

Service and Technical Booklet

C1

C1 200



Please note



Warning:

This symbol stands for precautions and measures which are essential in order to protect the rider or other persons from possibly severe or fatal injury.



Important:

Specific instructions and safety precautions intended to prevent damage to the vehicle. Disregarding them may render the warranty invalid.



Note:

Specific instructions on how to operate, control, adjust or look after items of equipment on the vehicle.

For safety reasons and to maintain the value of your vehicle, regular maintenance intervals have been laid down.

Always keep to the specified maintenance intervals. This is the only way to ensure that warranty claims are not invalidated. The contents of maintenance schedules can change for safety reasons, owing to changes of materials, for example.

Your authorised BMW dealer can provide details of the currently specified Service, Inspection and Annual Service work needed.

Important:

BMW refuses to accept liability for damage or consequential damage due to repairs or service work carried out by other than BMW-authorised workshops.

Have service and inspection work carried out by specialists, preferably by your authorised BMW dealer's specially trained, expert personnel, and confirmed by an entry in the Service and Technical Booklet.

Authorised BMW dealers are supplied with the latest technical information and have the necessary technical know-how and specially trained staff.

If you have any questions about your vehicle, it is always best to contact your authorised BMW dealer.

Authorised BMW dealers are fully informed about all aspects of your vehicle and will gladly advise and assist you.

Best wishes,

BMW Motorrad

Important safety information

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BMW Service

For your own safety, use only genuine BMW spare parts and accessories approved by BMW.

If you choose genuine accessories and spare parts that have been tested and approved by BMW, you can be sure that the appropriate tests have been carried out to confirm their suitability for use on your vehicle. BMW accepts full liability for these products.

Note however that BMW is unable to accept any liability for spare parts and accessories which it has not approved.

BMW cannot assess every single product of outside origin in order to decide whether it can be used on or with a BMW vehicle without constituting a safety hazard.

Nor is approval by an official technical inspection authority, or even the granting of a general operating permit necessarily a sufficient guarantee, since these test procedures are not always adequate.

Genuine BMW spare parts, accessories and other products which BMW has approved can be obtained from all authorised BMW dealers, together with expert advice on their installation and use.

Maintenance work is divided up into Service, Inspection and Annual Service.

Inspection after the first 1,000 km (600 miles)

BMW Running-in Check after the first 1,000 km/600 miles.

BMW Service

After the first 7,500 km (4,500 miles) and each additional 15,000 km (9,000 miles) (22 500 km, 37 500 km.../ 13,500 miles, 22,500 miles...)

BMW Inspection

After the first 15,000 km (9,000 miles) and each additional 15,000 km (9,000 miles), (30 000 km, 45 000 km.../ 18,000 miles, 27,000 miles...)

BMW Annual Service

Certain items of maintenance work depend on elapsed time as well as the distance the vehicle has covered. They should therefore be carried out at least once a year (e. g. changing the brake fluid).

If these items cannot be carried out during a Service or an Inspection, an Annual Service must be performed.



Note:

Every authorised BMW dealer has a fixed scale of charges based on work times and carefully calculated hourly rates. Fuel, lubricants and similar substances, filters, gaskets etc. are charged separately.

Maintenance schedule

	1,000 km Inspection	BMW Service	BMW Inspection	BMW Annual Service
Read out the fault memory with the MoDiTeC or Dis Plus unit	X	X	X	X
Change the engine oil while at regular operating temperature and replace the oil filter element 1) *)	X	X	X	X
Clean oil strainer and the magnetic oil drain plug.	X	X	X	X
Change transmission fluid, (every 30,000 km/18,000 miles or 3 years) *)			x7)	X4)
Check coolant, top up if necessary, check hoses for damage and abrasion	X		X	
Change coolant (every 2 years) *)				X3)
Check valve clearances and adjust if necessary *)	X	X	X	
Replace spark plug		X	X	
Replace air filter element 2)		X	X	
Drain condensate drain hose from air manifold				X
Brake hoses and connections: check condition and routing		X	X	
Check operation of brake system and check for leaks; repair/replace as necessary *)		X	X	

Maintenance schedule

	1,000 km Inspection	BMW Service	BMW Inspection	BMW Annual Service
Check brake-fluid level in front and rear systems, top up if necessary *)	X	X	X	
Examine brake pads and discs for wear, renew if necessary *)		X	X	
Change the brake fluid annually				X
Replace variator drive belt		X	X	
Check clutch liner, replace if necessary *)			X	
Clean variator strainer (filter)		X	X	
Grease driving variator (C1 only - not C1 200)		X 5)	X 5)	
Replace driving variator assembly (C1 only - not C1 200, every 22500 km/ 14,000 miles) *)		X ^{5,6)}		
Check wheel bearings for play; replace if necessary *)			X	
Check that trailing link bearing has zero play	X			X
Battery: check battery acid level, if necessary add distilled water	X			X
Clean/grease battery poles if necessary				X

Maintenance schedule

	1,000 km Inspection	BMW Service	BMW Inspection	BMW Annual Service
Check freedom of movement of Bowden cables, check for abrasion and damage			X	X
Easy-lift mechanism: check operation of mechanism and check freedom of movement		X	X	X
Check windscreen washer system; adjust nozzles if necessary and top up washer fluid in reservoir	X	X	X	
Check windscreen wiper; replace wiper blade if necessary *)		X	X	X
Safety elements: check cable for release, belt buckles, belt strap, inertia reels, and belt locks	X	X	X	X
Check crash element for damage	X	X	X	X
Check shoulder bars for damage, if necessary replace deformation element*)	X	X	X	X
Replace fuel filter (every 37,500 km/22,500 miles)		X ⁸⁾		
Vehicles with ABS only: Replace sealing boot in brake master cylinder (every 30,000 km/18,000 miles) *)			X ⁷⁾	

Maintenance schedule

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BMW Service

	1,000 km Inspection	BMW Service	BMW Inspection	BMW Annual Service
Check tightness of bolts and nuts at engine mountings and quick-release axles	X			
Final inspection with road safety and functional check: – Clutch engagement, steering, brakes (front and rear) – Condition of tyres and rims, tyre pressures – Lights and signalling equipment, tell-tale and warning lights, instruments – Trial run if necessary		X	X	X
1) If the vehicle is ridden for short distances only or at outside temperatures below 0 ° C: every 3 months or after every 3,000 km (1,800 miles) at the latest 2) Change more frequently if vehicle is used in very dirty or dusty conditions 3) Every 2 years at the latest 4) Every 3 years at the latest 5) C1 only - not C1 200 6) Every 22,500 km (13,500 miles) 7) Every 30,000 km (18,500 miles) 8) Every 37,500 km (23,000 miles) *) Charged as an additional item				

Confirmation of maintenance work

1

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BMW Service

BMW Pre-delivery Check

Carried out in accordance with
manufacturer's instructions

at odometer
reading _____

Date, stamp, signature

BMW Service 7,500 km

Carried out in accordance with
manufacturer's instructions

at odometer
reading _____

Date, stamp, signature

BMW Inspection 1,000 km

Carried out in accordance with
manufacturer's instructions

at odometer
reading _____

Date, stamp, signature

BMW Inspection 15,000 km

Carried out in accordance with
manufacturer's instructions

at odometer
reading _____

Date, stamp, signature

Confirmation of maintenance work

BMW Service 22,500 km

Carried out in accordance with
manufacturer's instructions

at odometer
reading _____

Date, stamp, signature

BMW Service 37,500 km

Carried out in accordance with
manufacturer's instructions

at odometer
reading _____

Date, stamp, signature

BMW Inspection 30,000 km

Carried out in accordance with
manufacturer's instructions

at odometer
reading _____

Date, stamp, signature

BMW Inspection 45,000 km

Carried out in accordance with
manufacturer's instructions

at odometer
reading _____

Date, stamp, signature

Confirmation of maintenance work

1

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BMW Service

BMW Annual Service

Carried out in accordance with
manufacturer's instructions

Brake fluid changed:

yes ☐ no ☐

Coolant changed:

yes ☐ no ☐

Date, stamp, signature

BMW Annual Service

Carried out in accordance with
manufacturer's instructions

Brake fluid changed:

yes ☐ no ☐

Coolant changed:

yes ☐ no ☐

Date, stamp, signature

BMW Annual Service

Carried out in accordance with
manufacturer's instructions

Brake fluid changed:

yes ☐ no ☐

Coolant changed:

yes ☐ no ☐

Date, stamp, signature

BMW Annual Service

Carried out in accordance with
manufacturer's instructions

Brake fluid changed:

yes ☐ no ☐

Coolant changed:

yes ☐ no ☐

Date, stamp, signature

Confirmation of maintenance work

BMW Annual Service

Carried out in accordance with
manufacturer's instructions

Brake fluid changed:

yes ☐ no ☐

Coolant changed:

yes ☐ no ☐

Date, stamp, signature

BMW Annual Service

Carried out in accordance with
manufacturer's instructions

Brake fluid changed:

yes ☐ no ☐

Coolant changed:

yes ☐ no ☐

Date, stamp, signature

BMW Annual Service

Carried out in accordance with
manufacturer's instructions

Brake fluid changed:

yes ☐ no ☐

Coolant changed:

yes ☐ no ☐

Date, stamp, signature

BMW Annual Service

Carried out in accordance with
manufacturer's instructions

Brake fluid changed:

yes ☐ no ☐

Coolant changed:

yes ☐ no ☐

Date, stamp, signature

Confirmations of Service work

1

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BMW Service

Record of all work carried out in workshop		
Work details	Odometer reading	Date

This list is intended as a record of maintenance, warranty and repair work, of the installation of accessories, and also to confirm that special campaign work has been carried out.

Confirmations of Service work

[illegible]

1

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BMW Service

This list is intended as a record of maintenance, warranty and repair work, of the installation of accessories, and also to confirm that special campaign work has been carried out.

Confirmations of Service work

1

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BMW Service

Record of all work carried out in workshop		
Work details	Odometer reading	Date

This list is intended as a record of maintenance, warranty and repair work, of the installation of accessories, and also to confirm that special campaign work has been carried out.

Confirmations of service work

Odometer replaced

Odometer reading,
not total distance covered.

at odometer
reading _____

Date, stamp, signature

Odometer replaced

Odometer reading,
not total distance covered.

at odometer
reading _____

Date, stamp, signature

Odometer replaced

Odometer reading,
not total distance covered.

at odometer
reading _____

Date, stamp, signature

Odometer replaced

Odometer reading,
not total distance covered.

at odometer
reading _____

Date, stamp, signature

Your vehicle is equipped with a digital electronic engine management system (BMS) and a high-output ignition system.



Warning:

When the engine is running or the ignition is switched on, do not touch electrically live components, terminals or wiring.

– Risk of fatal accident.

Work on the electrical system only when the circuit has been interrupted (switch off ignition and lights). For greater safety, disconnect and insulate the negative battery lead.

If you intend to perform the maintenance and general care work described in the following section yourself, you must possess the necessary knowledge of technical matters and mechanical skills.

Your vehicle is built to high technological standards. Special tools and purpose-designed diagnosis and testing equipment, together with the appropriate knowledge, are needed to keep your vehicle in optimum working order.

Your BMW dealer has the necessary technical know-how and specially trained mechanics.

He can guarantee that your vehicle is always maintained in a fault-free technical condition.

Remember: the safety and reliability of your vehicle are the most important considerations.

You should therefore not attempt any complex repair or maintenance tasks.

Keep to the specified Inspection and Service intervals.

BMW refuses to accept liability for damage or consequential damage due to repairs or service work carried out by other than BMW-authorised workshops.

Technical modifications



Warning:

The data stored in the BMW engine management system (BMS) control unit derive from exhaustive tests and trials.

Consequently, manipulation of the BMW engine management system (BMS) control unit invariably means an increased risk to your safety on the road.



Note:

Manipulation of the BMW engine management system (BMS) control unit voids the warranty.

Technical modifications are only permitted to a limited extent.

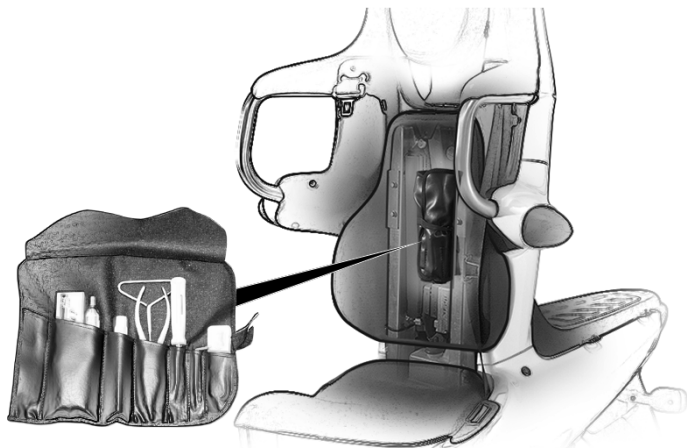
If you are planning such modifications, comply with all the legal requirements. The vehicle must not infringe your national road-vehicle construction and use regulations.

Your authorised BMW dealer will gladly advise you on technical requirements, the manufacturer's recommendations and the overall benefit likely to be obtained.

Genuine BMW parts

For reasons of safety, use only genuine BMW parts and accessories.

Genuine BMW parts are identical with those fitted to your BMW C1 as original equipment. BMW Motorrad guarantees against material defects and poor workmanship, but cannot accept any liability for spare parts or accessories of outside origin.



Repair kit for tubeless tyres

For repair procedure, please refer to the accompanying instructions



Warning:

Do not repair tyre damage exceeding 4 mm (0.16 in) in diameter.

Max. permitted speed:
60 km/h (approx. 37 mph).

Max. permitted distance:
400 km (approx. 250 miles).
Always have the damaged tyre renewed.

- The toolkit is stowed behind the seat backrest

Contents

- 1 tyre repair kit
- 1 spark plug wrench
- 1 pair of universal pliers
- 1 offset screwdriver, T25
- 1 screwdriver, large, reversible blade

Troubleshooting chart

Problem: Engine does not start at all or is very difficult to start

Possible cause	Remedy	See ➡ Page
Wrong ignition key position	Operate correctly	Rider's Manual ➡ 15
Engine kill switch in wrong position	Operate correctly	Rider's Manual ➡ 70
Left brake lever not pulled	Pull left brake lever	Rider's Manual ➡ 71
Power supply interrupted	Blown fuse	Service and Technical Booklet ➡ 38
No fuel in tank	Add fuel	Rider's Manual ➡ 32
Blocked air filter element	Renew	
Defective spark plug	Renew	Service and Technical Booklet ➡ 27
Spark plug/lead or cap wet	Blow out/dry with compressed air	
Insufficient battery charge	Recharge battery	Service and Technical Booklet ➡ 41

Troubleshooting chart

Problem: BMW C1 does not pull away from rest

Possible cause	Remedy	See ➡ Page
Seat belt(s) not buckled	Operate correctly	Rider's Manual ➡ 68
Stand (easy-lift mechanism) extended	Operate correctly	Rider's Manual ➡ 58, 61
Switch of stand (easy-lift mechanism) defective	Renew	
Stand's overload protection device broken	Renew	Rider's Manual ➡ 55, 61
Drive belt failed	Renew	

Problem: Windscreen-wiper motor does not operate

Possible cause	Remedy	See ➡ Page
Windscreen-wiper motor overheating	Wait for motor to cool down	Thermo-switch tripped



Note:

It is advisable to have other faults – not described on pages 16 - 54 – attended to by a specialist workshop, preferably an authorised BMW dealer.

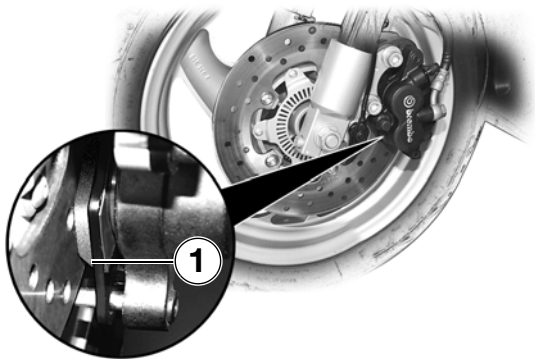


Note:

You can obtain further technical information from the following publications:

- BMW repair manual
- BMW Electrical Circuit Diagram

Checking brake pads



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Maintenance and care

Front brake



Warning:

See the notes on safety in the Rider's Manual, page 34-35!



Important:

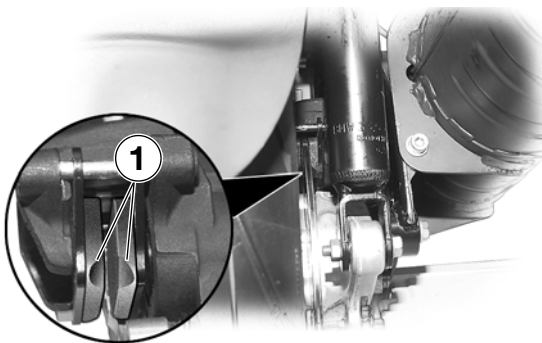
Renew pads before the minimum permitted thickness is reached.



Note:

For your safety, we recommend having checks and work on the brake system performed by a specialist workshop, preferably an authorised BMW dealer.

- Place the BMW C1 on its stand
- after making sure that the ground is level and firm
- Inspect from underneath
- Check brake pad thickness
 - **Minimum pad thickness:**
The brake pads have a clearly visible bevel 1 as wear indicator.
- If the wear indicator is no longer clearly visible: **Have the brake pads changed by a specialist workshop, preferably an authorised BMW dealer.**



Rear brake



Warning:

See the notes on safety in the Rider's Manual, page 34-35!



Important:

Renew pads before the minimum permitted thickness is reached.



Note:

For your safety, we recommend having work on the brake system performed by a specialist workshop, preferably an authorised BMW dealer.

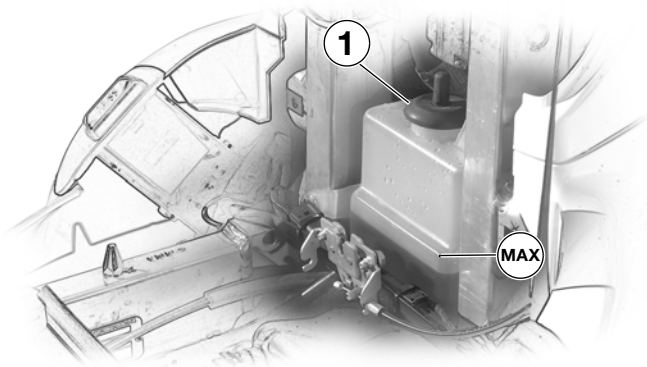
- Place the BMW C1 on its stand
 - after making sure that the ground is level and firm
- Check brake pad thickness
 - **Minimum pad thickness:**
The brake pads have a clearly visible bevel 1 as wear indicator.
- If the wear indicator is no longer clearly visible: **Have the brake pads changed by a specialist workshop, preferably an authorised BMW dealer.**

Topping up coolant

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Maintenance and care



Important:

Use only nitrite-free antifreeze and corrosion inhibitor.

Check coolant level only when the engine is cold.

If coolant loss is slight, add coolant to the expansion tank. If coolant loss is severe, have the cause rectified by a specialist workshop, preferably an authorised BMW dealer.

Mixing ratio:

- 50% antifreeze
- 50% water

Frost protection down to:

-25 °C

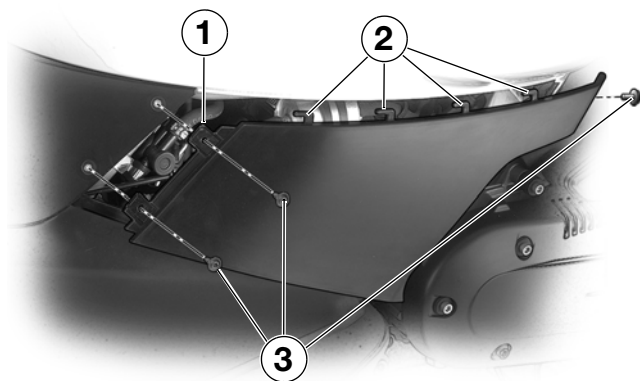
- Place the BMW C1 on its stand
- after making sure that the ground is level and firm
- Open the seat
- Remove the backrest (Rider's Manual ➡ 23)
- Remove filler cap **1**
- Add coolant mixture up to “MAX” mark
- Reinstall filler cap
- Reinstall backrest
- Close and lock the seat



Note:

Have the coolant changed by a specialist workshop, preferably an authorised BMW dealer.

() Figure in brackets ➡ page number for description



Removing:

- Place the BMW C1 on its stand
- after making sure that the ground is level and firm
- Loosen the screws **3**
- Push the service panel toward the rear to remove

Installing:

- Engage securing eyes **1** at the front
- Engage upper securing hook **2**
- Press the service panel forward and down
- Install screws **3**

Changing spark plug

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Maintenance and care



Warning:

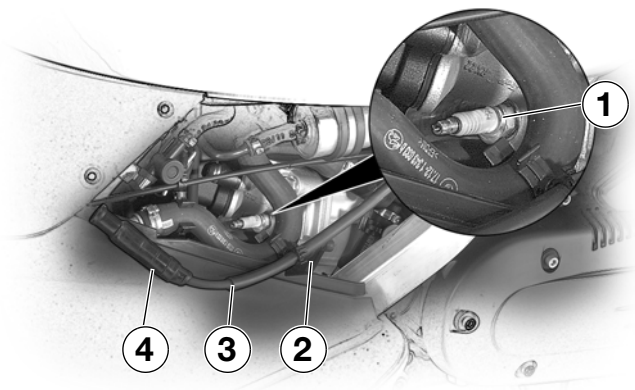
Work on the electrical system only when the circuit has been interrupted (switch off ignition and lights). For greater safety, disconnect and insulate the negative battery lead.

When the engine is running or the ignition is switched on, do not touch electrically live components, terminals or wiring.

– Risk of fatal accident.

Your vehicle is equipped with a digital electronic engine management system (BMS) and a high-output ignition system.

Changing spark plug



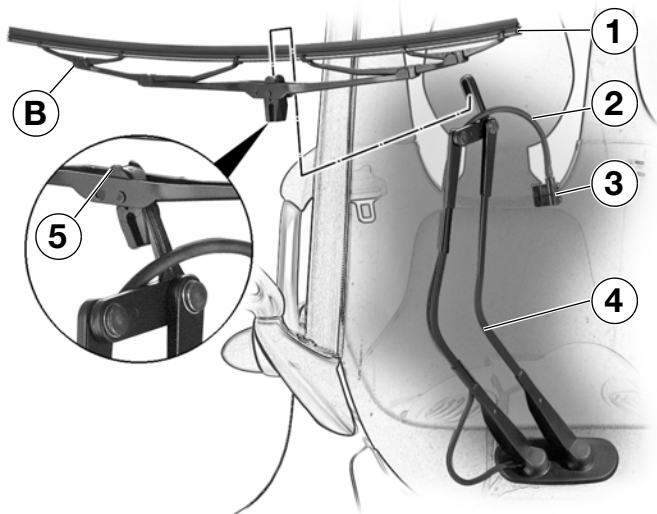
- Place the BMW C1 on its stand
 - after making sure that the ground is level and firm
- Remove side service panel (➡ 25)
- Release ignition cable **3** from clip **2**
- Disconnect spark plug cap **4**
- Use spark-plug wrench to remove spark plug **1**
- Install new spark plug (type ➡ 62)
- Tighten spark plug **1** to specified torque
- Press on spark plug cap **4** and make sure it engages with an audible click
- Locate ignition cable **3** in clip
- Install side service panel (➡ 25)

() Figure in brackets ➡ page number for description



Tightening torque:

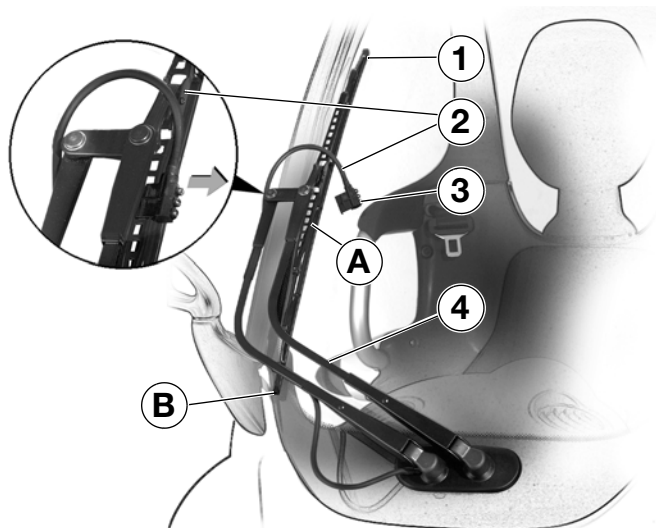
Spark plug..... 15±2 Nm



Wiper blade **1** is asymmetric.

- Place the BMW C1 on its stand
- after making sure that the ground is level and firm
- Remove spray nozzle **3** from wiper blade **1**
- Swing wiper arm **4** clear of windscreen
- Disengage wiper blade **1** and lift it up to remove
- Insert new wiper blade **1** and make sure it engages with an audible click
 - Make sure that long section **B** of wiper blade is toward the right

Changing wiper blade



Note:

Wiper blade **1** is asymmetric.

- Swing wiper arm **4** clear of windscreen
 - Check that long section **B** of wiper blade **1** is at the bottom
- Install the spray nozzle in the fourth hole **A** of wiper blade **1**
 - Make sure that water hose **2** is routed over wiper blade **1**

Notes on changing bulbs

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Maintenance and care

Your vehicle is equipped with a digital electronic engine management system (BMS) and a high-output ignition system.



Warning:

Work on the electrical system only when the circuit has been interrupted (switch off ignition and lights). For greater safety, disconnect and insulate the negative battery lead.

When the engine is running or the ignition is switched on, do not touch electrically live components, terminals or wiring.

– Risk of fatal accident.



Important:

Your vehicle has a high-beam/low-beam bulb, a parking-light bulb, a brake-light bulb and a rear-light bulb.

If any of these bulbs fail, you may have problems in seeing and being seen.

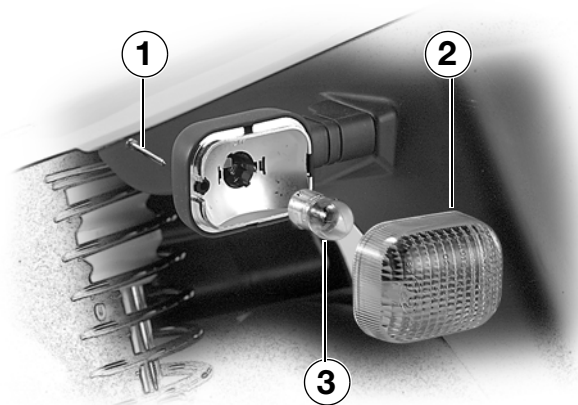
You should therefore always carry spare bulbs on the vehicle.



Note:

Do not touch new bulbs with the fingers.

Use a clean, dry cloth to hold the bulbs when inserting them. Dirt deposits, in particular oil and grease, interfere with heat radiation from the bulb. This leads to overheating and shortens the bulb's operating life.



Rear turn indicators



Important:

Always switch off the ignition before changing bulbs.



Note:

Do not touch the glass of new bulbs with the fingers. Use a clean, dry cloth to hold the bulbs when inserting them.

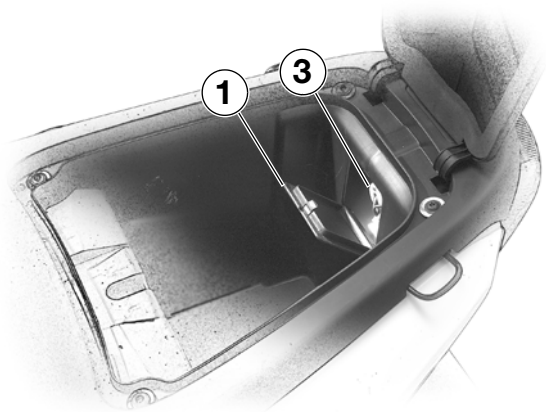
- Place the BMW C1 on its stand
 - after making sure that the ground is level and firm
- Take out retaining screw **1**
- Take off turn indicator glass **2**
- Press bulb **3** in and turn it counter-clockwise to disengage it from the socket
- Take out bulb **3**
- Installation is the reverse of the removal procedure
 - Rear turn indicator bulbs:
12 V 10 W

Changing bulbs

2

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Maintenance and care



Rear light/brake light



Important:

Always switch off the ignition before changing bulbs.

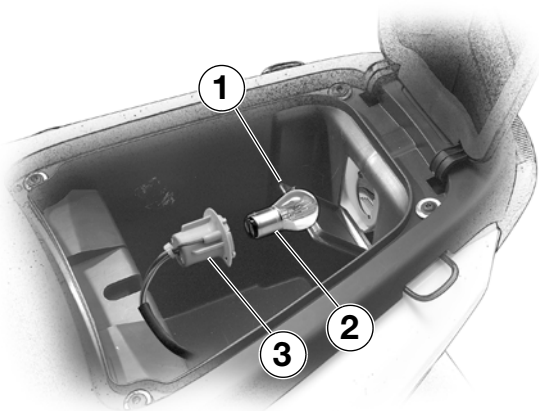


Note:

Do not touch the glass of new bulbs with the fingers. Use a clean, dry cloth to hold the bulbs when inserting them.

- Place the BMW C1 on its stand
 - after making sure that the ground is level and firm
- Open the stowage compartment
- Remove cover **1**
- Turn bulb holder **3** counter-clockwise to remove

Changing bulbs



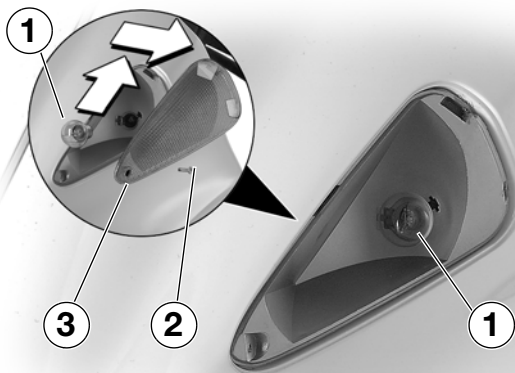
- Press in bulb **2** and simultaneously turn it to the left to release it
- Take out bulb **2**
- Installation is the reverse of the removal procedure
- Brake/rear light bulb:
12 V 21/5 W

Changing bulbs

2

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Maintenance and care



Front turn indicators



Important:

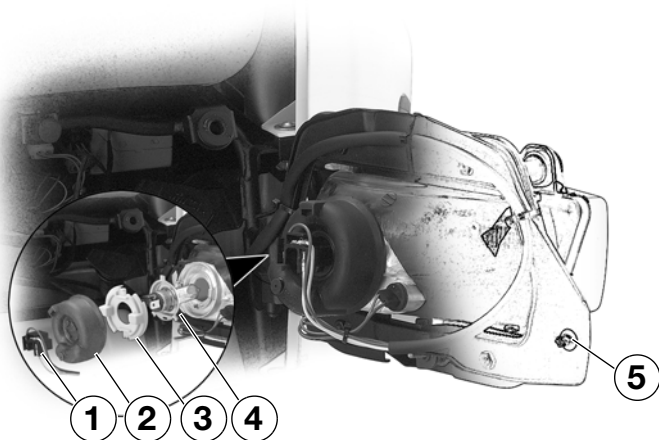
Always switch off the ignition before changing bulbs.



Note:

Do not touch the glass of new bulbs with the fingers. Use a clean, dry cloth to hold the bulbs when inserting them.

- Place the BMW C1 on its stand, after making sure that the ground is level and firm
 - Take out retaining screw **2**
 - Take off turn indicator glass **3**
 - Press bulb **1** back and turn it counter-clockwise to disengage it from the socket
 - Take out bulb **1**
 - Installation is the reverse of the removal procedure
- Front turn indicator bulbs:
12 V, 21 W



High-beam and low-beam headlight



Important:

Always switch off the ignition before changing bulbs.



Note:

Do not touch the glass of new bulbs with the fingers. Use a clean, dry cloth to hold the bulbs when inserting them.

- Place the BMW C1 on its stand – after making sure that the ground is level and firm

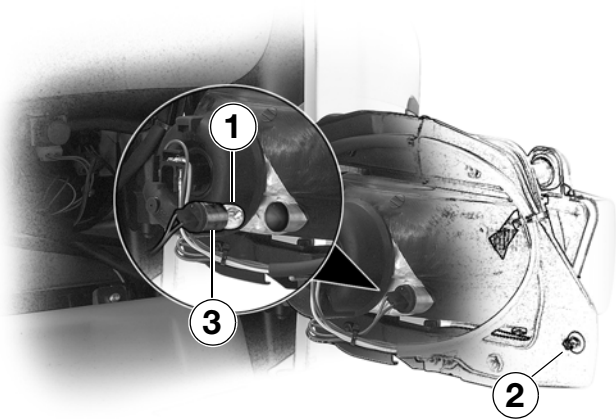
- Remove front fairing panel
- Open quick-release fastener **5** by turning it counter-clockwise and swing the headlight forward
- Pull connector **1** off H4 bulb **4**
- Remove rubber cap **2**
- Turn retaining ring **3** counter-clockwise to disengage
- Remove H4 bulb **4**
- Installation is the reverse of the removal procedure
- Low beam/high beam
H4 12 V 55/60 W

Changing bulbs

2

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Maintenance and care



Parking light



Important:

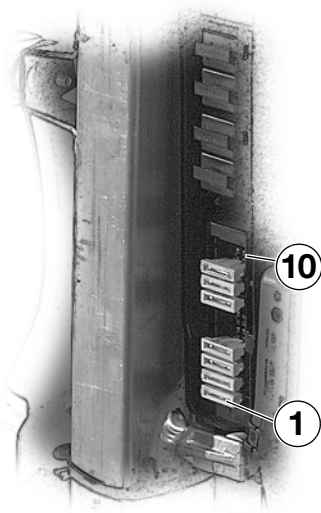
Always switch off the ignition before changing bulbs.



Note:

Do not touch the glass of new bulbs with the fingers. Use a clean, dry cloth to hold the bulbs when inserting them.

- Place the BMW C1 on its stand
- after making sure that the ground is level and firm
- Remove front fairing panel
- Open quick-release fastener **2** by turning it counter-clockwise and swing the headlight forward
- Pull bulb holder **3** out of the headlight housing
- Remove bulb **1** from its socket
- Installation is the reverse of the removal procedure
- Parking light: **12 V 5 W**



Fuse assignment

- 10 Not used
- 9 ABS* 4 A
- 8 Accessories* 4 A
- 7 Windscreen wipe/wash 15 A
- 6 Not used
- 5 Not used
- 4 BMW engine management (BMS) 15 A
- 3 Horn 15 A
- 2 Parking light, tail light... 4 A
- 1 Instrument panel, brake light 4 A



Note:

Fuse allocation diagram, see adhesive label inside cover of central electrics.



Note:

It is advisable to have the vehicle checked by a specialist workshop, preferably an authorised BMW dealer, if fuses blow frequently.

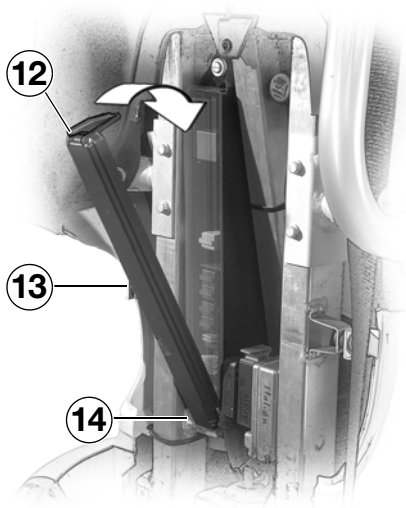
* Optional extra

Renewing fuses

2

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Maintenance and care



Important:

Before changing a fuse, switch the ignition off.

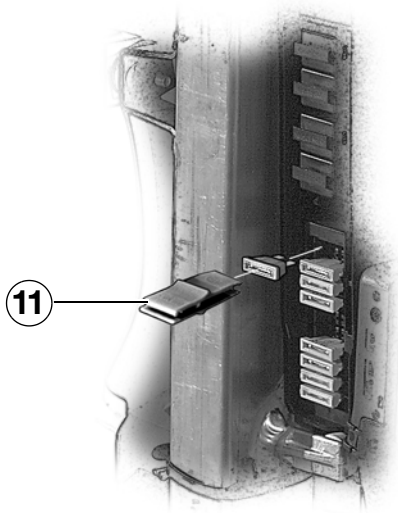
Always install replacement fuses, never attempt to repair a blown fuse – risk of fire.

For this reason, always carry a number of spare fuses on the vehicle.

Use only fuses of the specified rating and pattern.

Changing fuses

- Place the BMW C1 on its stand
- after making sure that the ground is level and firm
- Open the seat
- Remove the backrest (Rider's Manual ➡ 23)
- Press clamp **12** on cover of central electrics down and disengage
- Remove cover **13**



- Use the tweezers **11** stowed inside the fuse box to pull the blown fuse out of its holder
- Install a new fuse of the correct amperage, see (➡ 37)
- Introduce the lugs **14** into their recesses
- Close the cover **13** of the central electrical equipment box
- Reinstall backrest
- Close and lock the seat

**Note:**

It is advisable to have the vehicle checked by a specialist workshop, preferably an authorised BMW dealer, if fuses blow frequently.

Battery: safety instructions

2

40

Maintenance and care



Warning:

Battery acid is highly caustic. It must not contact the eyes, face hands, clothing or the vehicle's paintwork.

KEEP IT OUT OF REACH OF CHILDREN!

Never create sparks or bring a naked flame or a glowing cigarette near the battery. Batteries generate explosive gases.

Charge batteries only in well-ventilated areas. The cell plugs must be opened when recharging the battery.



Warning:

For all work involving the battery, protective goggles and gloves should be worn.

If anyone comes into contact with battery acid or is exposed to toxic fumes from the battery, have them examined by a physician without delay.

Before the victim can be seen by the physician, take the following first aid measures:

- **Contact with skin:** wash off with plenty of clean water.
- **Acid swallowed:** victim must drink plenty of water or milk (into which a raw egg should be stirred). Do not cause the victim to vomit.
- **Eyes attacked by battery acid or fumes from battery:** Rinse the eyes out several times with plenty of clean water. The eyelid should be held open while doing so.
- **Rinse clothing wetted by battery acid immediately with water.**

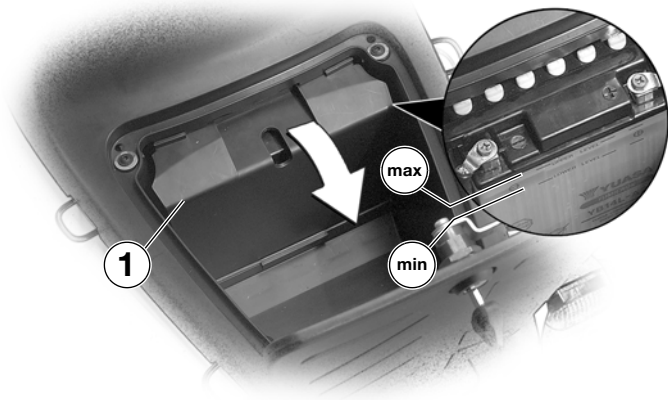
If vehicle is off the road for a prolonged period:

- Check battery acid level
- Store the battery in a cool, dry place
- Recharge the battery at intervals during the storage period
- Always charge the battery before laying up the vehicle out of use, and again when restoring it to the road – note charging instructions
- In case of doubt ask a specialist, preferably an authorised BMW dealer, to prepare the vehicle for laying up and to carry out the necessary battery maintenance and storage



Important:

Regular maintenance, together with correct storage and charging, will increase battery life and must have been performed correctly if warranty claims are to be entertained.



Check battery acid level

– Check the acid level regularly

- Place the BMW C1 on its stand
- after making sure that the ground is level and firm
- Open the stowage compartment
- Disengage cover **1** by pressing down and simultaneously pulling toward the rear and remove
- Check acid level at the MIN/MAX marks

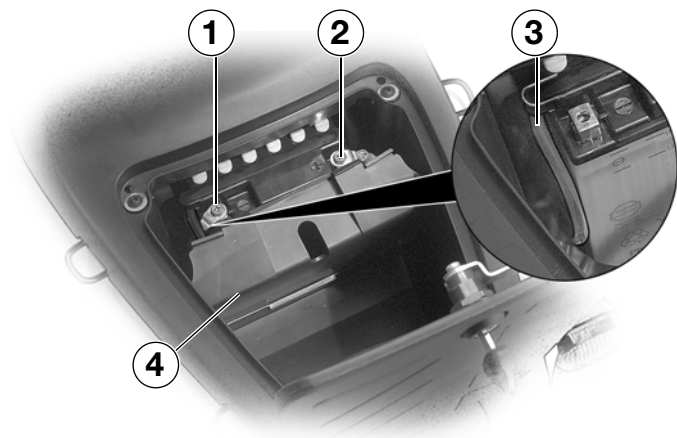


Note:

Top up only with distilled water, not acid.

Use combination pliers to unscrew and tighten the cell plugs.

- Top up with distilled water as far as the MAX mark
- Install cover **1**
- Make sure the cover is securely seated
- Close the stowage compartment



Removing the battery



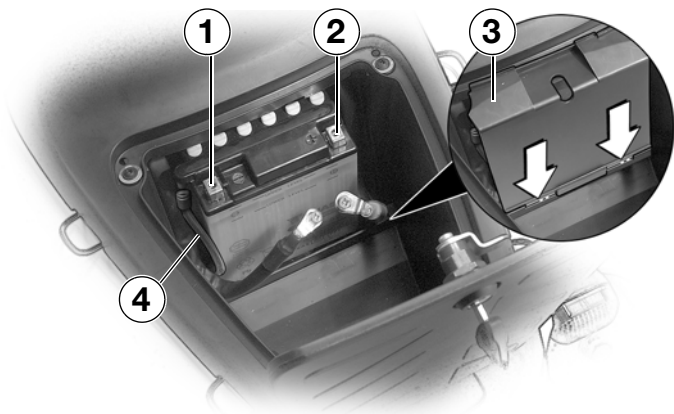
Warning:

Do not damage cables and breather hose when removing! Before disconnecting the battery, switch off the ignition.

To avoid short-circuits:

- **Begin by disconnecting negative battery cable (-) 1**
- **then the positive battery lead (+) 2!**

- Place the BMW C1 on its stand
 - after making sure that the ground is level and firm
- Open the stowage compartment
- Disengage cover **4** by pressing down and simultaneously pulling toward the rear and remove
- Disconnect battery breather tube **3**
- Disconnect the **negative** battery lead **1**
- Disconnect the **positive** battery lead **2**
- Lift the battery toward the rear to remove



Installing the battery



Warning:

Before connecting the battery, switch off the ignition.

To avoid short-circuits:

- **Reconnect positive battery cable (+) 2 first,**
- **then negative battery cable (-) 1**



Note:

Disconnecting the battery deletes the trip-meter reading and the clock setting.

- Set the clock

- Grease the battery posts
- Install the battery
- Reconnect breather hose 4
 - Make sure that the battery breather hose is not kinked or blocked.
- Reconnect positive battery lead (+) 2
- Reconnect negative battery lead (-) 1
- Reinstall cover 3
- Make sure the cover is securely seated
- Close the stowage compartment

**Note:**

Regular cleaning, using the correct methods, is an important factor in maintaining the value of your vehicle.

It also ensures that safety-relevant parts remain in full working order.

**Important:**

Avoid damage to rubber and plastic parts and seat belts caused by aggressive or penetrating cleaning agents or solvents.

Do not use a steam jet or high-pressure cleaning equipment. High water pressure can damage seals, the hydraulic brake system or the complete electrical system.



Washing

- Place the BMW C1 on its stand
 - after making sure that the ground is level and firm
- Clean the wheels and drive unit with a mild detergent
 - Clean in accordance with the manufacturer's instructions
- Dry all wet areas thoroughly
- Clean/treat fairing elements only with cleaning and care products from the BMW Cleaning and Care Set

- Do not clean the instrument cluster and switches with solvents or cleansers
- Remove tar splashes only with an approved product – rinse thoroughly with water afterwards
- Clean flies and other insects off the fork stanchions
- Treat painted and chromed parts regularly with suitable care products



Warning:
After cleaning or before starting a journey, always test the brakes.



Cleaning the seat belts



Important:

When cleaning, make sure that cleaning agent does not penetrate inside the belt buckles.

- Foreign matter on the belts hampers the inertia reels and thus impairs safety
- Use only a mild soap and water solution to clean the seat belts when installed: do not use chemicals as they could damage the webbing
- Roll the seat belts onto the reels only when dry

Removing road salt

- Wash the vehicle down immediately with cold water at the end of the journey



Note:

Do not use warm water – this aggravates the effect of the salt.

- Dry the vehicle thoroughly
- Coat/polish fairing elements after cleaning and drying with a recommended wax



Cleaning leather



Important:

Do not treat leather-trimmed parts with saddle soap, foam or mild detergent, or with cleaning products containing alcohol or other chemical solutions. Dust and dirt from the road collect in the pores and folds, and have a strongly abrasive action as well as making the leather surface become prematurely brittle. Remove such dirt and dust as quickly as possible.



Note:

Use only a 1:50 dilution of BMW cleaner for leather to wash leather-trimmed parts. Allow the leather to dry and treat it with BMW impregnating oil for leather.



- Dilute the BMW cleaner for leather 1:50 with water
 - Allow the leather to dry thoroughly; this can take about 24 hours, depending on the outdoor temperature
 - If necessary, treat stubborn stains again after the leather has dried
 - Allow the cleaned leather to dry and treat it with BMW impregnating oil for leather
- If usage is normal, it is enough to treat the leather approximately twice a year in this way. If conditions are severe, treat the leather more frequently.
- Using the BMW cleaner for leather correctly diluted with water, thoroughly wash out all dirt and stains

**Note:**

The cleaner contains certain care substances that can only penetrate into the leather when it is thoroughly wetted by washing.

Rubbing with spirit of wine before washing out with the cleaner solution and water helps remove grease and oil stains.

Using spirit of wine alone will stain the leather!

Care of leather



Note:

If exposed to strong sunlight for a lengthy period, leather-trimmed parts (seat, backrest, headrest) should be covered to prevent them from fading. If leather-trimmed parts (seat, backrest, headrest) are soaked through, allow them to dry in the open for 24 hours (depending on outdoor temperature) and, when they are thoroughly dry, treat the leather surfaces with BMW impregnating oil for leather.

This oil and the BMW cleaner for leather are also ideal for treating leather motorcycling clothing and boots.

Leather is a natural product, subject to change. Its specific properties and also certain restrictions in practical use and the need for special care must therefore be taken into account.

- The effects of the weather, contact with clothing etc. cause a patina to develop
- Clothing that is not colour-fast may discolour the leather



Important:

Do not use greases, balsams or creams on the leather. These products affect only the surface of the leather and tend to clog the pores of the material. If this happens the leather loses its unique abilities to breathe and to absorb, store and release moisture.

- Clean the leather surfaces
- Treat leather surfaces with BMW impregnating oil for leather

If usage is normal, it is advisable to repeat this treatment at regular intervals.



Touching up paint damage

- Minor damage caused by stones striking the painted surface can be touched up with a BMW paint pencil of the correct colour



Important:

Comply with the manufacturer's working instructions and safety precautions.



Note:

The vehicle's paint colour is stated on a label under the seat. Have more extensive damaged repaired by a specialist, preferably your authorised BMW dealer.

Cleaning the silencer

- Changes in the appearance of the exhaust system during operation or as a result of environmental influences can be treated with "Metal Polish" from the Autosol company, BMW order No. 82 14 9 400 890



Laying up out of use

- Clean the vehicle (➡ 46-52)
- Remove the battery (➡ 43), note the maintenance instructions (➡ 41)
- Coat bright metal/chrome-plated parts with an acid-free grease (e.g. Vaseline)
- Place the vehicle on its stand in a dry place
- Support the vehicle in such a way that both wheels are clear of the ground



Note:

Before laying the vehicle up out of use have the engine oil and the oil filter element changed by a specialist workshop, preferably an authorised BMW dealer. If possible, do not restart the engine after this work has been completed!

Work needed in conjunction with laying up or restoring to use can often be combined with the Service or Inspection work. Have this work performed by a specialist workshop, preferably an authorised BMW dealer.



Restoring to use

- If necessary, remove protective wax coating
- Clean the vehicle (➡ 45-52)
- Install a charged battery (➡ 44)
- Apply the correct grease to the battery terminals

- Run all safety checks (Rider's Manual ➡ 28-49)
- Check brakes (Rider's Manual ➡ 34-38)
- Check tyre pressures, adjust if necessary (Rider's Manual ➡ 46-47)

() Figure in brackets ➡ page number for description

	C1	C1 200
Engine, type	Liquid-cooled, single-cylinder, four-stroke engine with four push-rod-actuated valves, 2 overhead camshafts and sump lubrication	
Displacement	125 cc	176 cc
Max. nominal power output acc. to DIN 70 020		
	11 kW	13 kW
- at engine speed	9,250 rpm	9.000 rpm
Maximum torque	12 Nm	17 Nm
- at engine speed	6,500 rpm	6,500 rpm
Permissible engine speeds		
Maximum engine speed	10,400 rpm	
Idle speed	1,900 rpm	
Bore/stroke	56.4/50.0 mm (2.2 in/2 in)	62.0/58.4 mm (2.4 in/2.3 in)
Compression ratio	13.0 : 1	11.5 : 1
Fuel grade	Super (premium) unleaded, minimum octane number 95 (RON) or 85 (MON) if catalytic converter is fitted.	
Tank capacity (usable)	9.7 l (2.13 Imp. gal) including 2.5 litres (0.44 Imp. pint) reserve	
Fuel consumption to ISO 7118		
to EU3	2.9 l/100 km (97.4 Imp. mile/gal)	3,2 l/100 km (88.3 Imp. mile/gal)
CO ₂ emissions	64 g/km	66 g/km

Transmission

	C1	C1 200
Automatic gearbox		
Gear ratios	1 : 3.0 - 0.9	
Power transmission from automatic gearbox to rear wheel drive		
	Belt	
Rear wheel drive		
Transmission ratio of rear wheel drive	1 : 9.05	1 : 8.37

Frame and suspension

Frame

C1

C1 200

Central frame made of extruded aluminium sections and die-cast components; roof frame and shoulder bars bolted; engine carried on vibration-damping mounts in frame

Location
of type plate

Riveted to frame beneath seat

Position
of vehicle identification
number

Beneath seat

Front brake

Hydraulically actuated fixed single-disc brake with two-piston floating caliper

Rear brake

Hydraulically actuated fixed single-disc brake with single-piston floating caliper

Frame and suspension

3

58

Technical data

Suspension

C1

C1 200

Front

Telelever system with aluminium leading link, central spring strut and kinematic spring and damper progression, anti-dive control, dive-decoupled link

Spring element

Spring strut with coil spring and single-tube gas-filled damper

Total travel

75 mm (3.0 in)

Fixed tube diameter

32 mm (1.3 in)

Rear

Swinging arm with drive (TSS), with ball-mounted vibration damping and stepless variator

Spring element

Spring struts with coil springs and single-tube gas-filled damper

Total travel (at wheel)

85 mm (3.4 in)

Swinging fork length

430 mm (16.9 in)

Steering lock angle

38°

Front wheel castor

in normal-load position
(with rider)

113 mm (4.45 in)

Frame and suspension

		C1	C1 200
Wheels and tyres		Tubeless cross-ply tyres	
Front wheel			
Size and designation		3.5S" J x13 MT-H2	
Tyre size and designation		120/70-13 53 L 53 P	
Rear wheel			
Size and designation		3.5" J x12 MT-H2	
Tyre size and designation		140/70-12 60 L 65 L 65 P	
Tyre pressures (tyres cold)			
One-up	Front	1.9 bar 27.6 psi	
	Rear	2.1 bar 30.5 psi	
Fully loaded	Front	1.9 bar 27.6 psi	
	Rear	2.4 bar 34.8 psi	
Recommended minimum tyre tread depth			
Front wheel		2 mm (0.08 in)	
Rear wheel		3 mm (0.12 in)	



Warning:

Always comply with legal requirements concerning the minimum permissible tyre tread depth.

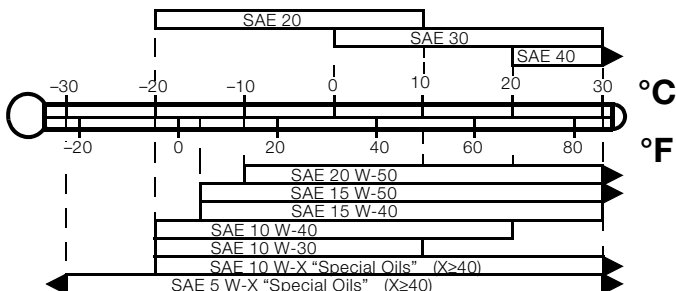
Fluids and lubricants

C1

C1 200

Engine oil

Brand-name HD oil, API classification SF, SG or SH; the suffixes CD or CE are permitted; or brand-name HD oil of CCMC classification G4 or G5; the suffix PD2 is permitted.



The viscosity class depends on outside temperatures. Temperatures above or below the limits quoted for the individual SAE classifications are permitted for brief periods only.

If temperatures under 10°C persist for lengthy periods (winter operation) use SAE 5 W-40 engine oil.

"Special Oils" are approved individually by BMW AG and are available from your authorised BMW dealer.

All engine oils supplied by BMW are subjected to regular BMW quality assurance checks.

BMW does not approve the use of any upper-cylinder lubricants or similar oil additives.

Capacities, engine

if filter is renewed 1.0 l (1.76 Imp. pint)

Maximum oil consumption 0.1 l/1,000 km
(1.41 Imp.pint/5,000 miles)

C1

C1 200

**Battery terminal
corrosion protection
Studs of front fairing
panel**

Acid-free grease,
e.g. Vaseline

**Bearings and other
lubrication points**

Brand-name rolling-bearing
grease, rated temperature range
30 °C...+140 °C,
drip point 150 °C...230 °C,
high corrosion protection,
good water oxidation resistance;
e.g. Shell Retinax A

Brake fluid

DOT 4
We recommend BMW brake fluids



Important:

Fill only with new brake fluid to
DOT 4 specification

Coolant

Brand-name long-life antifreeze
and corrosion inhibitor



Important:

Use only nitrite-free antifreeze and
corrosion inhibitor

Quantity

1.45 l (2.55 Imp. pint)
(0.2 l/0.35 Imp. pint in expansion
tank)

Electrical system

3
62

Technical data

	C1	C1 200
Spark plug		
Approved makes/types	NGK CR 8EB	
Electrode gap	0.8 mm (0.03 in)	
Wear limit	0.9 mm (0.03 in)	
Fuses		
Load ratings	4 A and 15 A	
Headlight		
Bulbs		
High/low beam	H4 halogen bulb, 12 V 60/55 W	
Parking light	12 V 5 W	
Rear light		
Brake/rear light	12 V 21/5 W	
Flashing turn indicators	12 V 10 W rear 12 V 21 W front	
Other warning/telltale lights and instrument lighting	12 V 1.7 W	

Dimensions and weights

	C1	C1 200
Overall length	2,075 mm (81.7 in)	
Width		
across mirrors	1,026 mm (40.4 in)	
across side crash elements	850 mm (33.5 in)	
across handlebars	650 ± 0.1 mm (25.6 ± 0.004 in)	
Overall height	1,766 mm (69.5 in)	
Seat height at unladen weight	701 mm (27.6 in)	
Wheelbase		
in normal-load position	1488 mm (58.6 in)	
Ground clearance		
at unladen weight	approx. 100 mm (3.9 in)	
Dry weight		
(empty weight as per EU Directive)	179 kg (395 lbs)	
Unladen weight		
(ready to ride, tank full)	185 kg (408 lbs)	
Permissible gross weight	360 kg (794 lbs)	
Permissible wheel loads		
front	130 kg (287 lbs)	
Rear	250 kg (551 lbs)	

Performance data

3

64

Technical data

	C1	C1 200
Top speed		
acc. to type approval test	103 km/h (64 mph)	112 km/h (70 mph)
Power-weight ratio		
ready for road, with driver	24 kg/kW (53 lbs/kW)	20 kg/kW (44 lbs/kW)
at gross weight limit	33 kg/kW (73 lbs/kW)	28 kg/kW (62 lbs/kW)
Acceleration		
0-50 km/h (0-32 mph)	5.9 s	3.9 s
Ride-past noise level		
as per EG 97/24-9	77 dB (A)	79 dB (A)
Stationary noise level		
as per EG 97/24-9	87 dB (A)	88 dB (A)

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Model

Frame No.

Colour No.

First registered on

Licence plate No.**Dealer data**

Person to contact for Service work

Ms./Mr.

Tel. No.

Dealer's address with telephone No. (company stamp)

Details described or illustrated in this booklet may differ from the vehicle's actual specification as purchased, the accessories fitted or the national-market specification. No claims will be entertained as a result of such discrepancies. Dimensions, weights, fuel consumption and performance data are quoted to the customary tolerances.

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