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› BSH Bosch Siemens Kitchen Machine Bevel Gear Drive Wheel Shaft (Part Numbers 00177503, 177503) Instruction Manual

BSH 00177503, 177503

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For Bosch and Siemens MUM Series Kitchen Machines

1. PRODUCT OVERVIEW

This document provides essential instructions for the installation, maintenance, and troubleshooting of the BSH Bosch Siemens Bevel Gear Drive Wheel Shaft, an original replacement part for various Bosch and Siemens kitchen machines. This component is crucial for the proper functioning of your appliance's drive mechanism.



Figure 1: Front view of the BSH Bosch Siemens bevel gear drive wheel shaft. This image shows the main gear component with its distinctive conical shape and the shaft extending downwards.

2. COMPATIBILITY

This bevel gear drive wheel shaft (Part Numbers 00177503, 177503) is compatible with a wide range of Bosch and Siemens kitchen machine models. Please verify your appliance's model number against the list below to ensure compatibility.

Compatible Models:

- MUM4400, MUM4400CH, MUM4400EU, MUM4400RK, MUM4404, MUM4405CH, MUM4405EU, MUM4405JP, MUM4405UC, MUM4406, MUM4407, MUM4409, MUM4410DE, MUM4415JP, MUM4415TW, MUM4419, MUM4420UC, MUM4422UC, MUM4426, MUM4427, MUM4428, MUM4435JP, MUM4485, MUM44K1, MUM4444R1
- MUM4500, MUM4500CH, MUM4500EU, MUM4505, MUM4555, MUM4555EU, MUM4570, MUM4570EU, MUM4590CH
- MUM4600, MUM4600GB, MUM4600UC, MUM4607, MUM4612, MUM4620UC, MUM4622UC, MUM4625, MUM4630, MUM4635UC, MUM4640, MUM4650, MUM4655EU, MUM4655GB, MUM4655ICOL, MUM4656COLE, MUM4657, MUM4675EU, MUM46A1GB, MUM46CR1, MUM46CR2, MUM46R1, MUM46ZA
- MUM4700, MUM4700CH, MUM4700EU, MUM4701, MUM4750, MUM4750EU, MUM4750UMUM4750UMUC, M4756EU, MUM4757COE, MUM4770, MUM4770EU, MUM4780, MUM47A1, MUM47Z1
- MUM48010DE, MUM48020DE, MUM4807GB, MUM48120DE, MUM48140DE, MUM4825, MUM4830, MUM4832, MUM4835, MUM4855, MUM4856EU, MUM4875EU, MUM4880, MUM48A06, MUM48A1, MUM48A11, MUM48CR1, MUM48CR2, MUM48R1, MUM48R1GB, MUM48R18RE, MUM48SL, MUM48W1, MUM48W11
- MUM50112, MUM50123, MUM50136, MUM50145, MUM50149, MUM50E32DE, MUM51U10UC
- MUM52110, MUM52120, MUM52120AU, MUM52120GB, MUM52130, MUM52131, MUM52133, MUM52E32
- MUM53143, MUM54020, MUM54211, MUM54230, MUM54230AU, MUM5424051, MUM54270DE, MUM54420, MUM54520, MUM54530AU, MUM54620, MUM54630AU, MUM54720, MUM54920, MUM54920GB, MUM54A00, MUM54D00, MUM54D00GB, MUM54G00, MUM54I00, MUM54P00, MUM54Q40, MUM54R00, MUM54W41, MUM54Y00
- MUM55761, MUM56320CH, MUM56340, MUM56340AU, MUM56740, MUM56S40, MUM56Z40
- MUM57810, MUM57830, MUM57830GB, MUM57860, MUM57860AU, MUM57B22, MUM57B224
- MUM58020, MUM58020GB, MUM582000GB, MUM5820GB, MUM58200000GB, MUM58224, MUM58225, MUM58231, MUM58234, MUM58235, MUM58243, MUM58244, MUM58250, MUM58252RU, MUM58253, MUM58257, MUM58258, MUM588259, MUM58364, MUM58420, MUM58720, MUM58720GB, MUM58920, MUM58B00, MUM58K20, MUM58L20, MUM58M59, MUM58W56DE
- MUM59340GB, MUM59340GB3, MUM59363, MUM59M54, MUM59M55, MUM59N26DE, MUM59N37DE, MUM59S81DE
- MUMP1000, MUMVC00VCN, MUMVC204CN, MUMVC20QCN, MUMVC20RCN, MUMVH48BCN, MUMVS00RCN

3. SAFETY INSTRUCTIONS

- **Disconnect Power:** Always unplug the kitchen machine from the power outlet before attempting any installation, removal, or maintenance.
- **Qualified Personnel:** Installation and replacement of internal components should ideally be performed by qualified service technicians. If you are performing the replacement yourself, proceed with caution.
- **Original Parts:** Use only original or approved replacement parts to ensure proper function and safety.
- **Handle with Care:** Gears and shafts can have sharp edges. Handle the part carefully to avoid injury.
- **Keep Away from Children:** Store replacement parts out of reach of children.

4. SETUP AND INSTALLATION

This section outlines the general steps for replacing the bevel gear drive wheel shaft. Specific steps may vary slightly depending on your kitchen machine model. Refer to your appliance's main instruction manual for detailed disassembly and reassembly procedures.

1. **Preparation:** Ensure the kitchen machine is unplugged and all attachments are removed. Place the appliance on a stable, clean surface.
2. **Access the Drive Mechanism:** Carefully disassemble the outer casing of your kitchen machine to gain access to the internal drive mechanism where the bevel gear is located. This usually involves removing screws and clips.
3. **Remove Old Gear:** Identify the existing bevel gear drive wheel shaft. Note its orientation and how it connects to other components. Gently remove the old gear, which may involve detaching retaining clips or unscrewing fasteners.



Figure 2: Angled view of the bevel gear, showing the teeth and the shaft. This perspective highlights the design of the gear for proper meshing within the appliance's drive system.

4. **Install New Gear:** Carefully insert the new BSH Bosch Siemens bevel gear drive wheel shaft into its designated position. Ensure it aligns correctly with the mating gears and that the shaft is properly seated.
5. **Secure the Gear:** Reattach any retaining clips or fasteners that hold the gear in place. Ensure all connections are secure but do not overtighten.



Figure 3: Bottom view of the bevel gear drive wheel shaft, showing the end of the shaft and the black O-ring. This O-ring is essential for sealing and proper fit within the appliance.

6. **Reassemble Appliance:** Carefully reassemble the outer casing of your kitchen machine, ensuring all screws and clips are replaced and secured.
7. **Test Functionality:** Plug the kitchen machine back into the power outlet and perform a brief test run without any ingredients to ensure the new gear operates smoothly and quietly.

5. OPERATING

Once installed, the bevel gear drive wheel shaft functions as an integral part of your kitchen machine's power transmission system. It requires no direct user operation. Its purpose is to transfer rotational motion and torque from the motor to the mixing attachments, ensuring efficient and consistent performance.

If you notice unusual noises, vibrations, or a loss of power after installation, refer to the Troubleshooting section.

6. MAINTENANCE

The bevel gear drive wheel shaft is designed for durability and typically requires minimal maintenance.

- **Regular Inspection:** During any routine cleaning or maintenance of your kitchen machine, if the drive mechanism is accessible, visually inspect the gear for signs of wear, cracks, or damage.
- **Cleaning:** If the gear becomes soiled, gently wipe it with a dry or slightly damp cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure no food particles or debris accumulate around the gear teeth.
- **Lubrication:** The gear may be pre-lubricated. Do not apply additional lubricants unless specifically instructed by the appliance's manufacturer, as this could attract dust or interfere with its operation.

7. TROUBLESHOOTING

If you encounter issues after replacing the bevel gear drive wheel shaft, consider the following:

Problem	Possible Cause	Solution
Unusual noise (grinding, clicking)	Gear not seated correctly; debris in mechanism; damaged new gear.	Disconnect power, re-open appliance, check gear seating and alignment. Remove any debris. If gear is damaged, replace it.
Motor runs, but attachments don't move	Gear not engaging; shaft not connected; gear stripped.	Disconnect power, inspect gear engagement and shaft connection. If gear teeth are stripped, replacement is necessary.
Appliance not powering on	Not related to gear; power supply issue; other internal fault.	Check power cord and outlet. Consult your kitchen machine's main manual for general power issues.
Excessive vibration	Gear imbalance; improper seating; other component loose.	Disconnect power, check gear for damage or improper installation. Ensure all internal components are securely fastened.

If problems persist after following these steps, contact BSH customer support or a qualified service technician.

8. SPECIFICATIONS

- **Part Type:** Bevel Gear Drive Wheel Shaft
- **Brand:** BSH (Original Bosch Siemens Part)
- **Part Numbers:** 00177503, 177503
- **Package Dimensions:** 12 x 5.2 x 2.6 cm
- **Weight:** 9 g
- **First Available Date:** April 1, 2022
- **ASIN:** B07TSKM5P7

9. WARRANTY AND SUPPORT

For information regarding warranty coverage for this replacement part, please refer to the original purchase documentation or contact your retailer. For technical support or further assistance, please visit the official BSH, Bosch, or Siemens service websites or contact their customer service departments directly.

Online Resources:

- [Bosch Home Appliances Service](#)
- [Siemens Home Appliances Service](#)