

Makita 165247-4

Makita 165247-4 Guide Bar for UC4020A Chainsaw Instruction Manual

Model: 165247-4

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of the Makita 165247-4 Guide Bar. This guide bar is designed for use with the Makita UC4020A electric chainsaw model. Please read this manual thoroughly before use to ensure safe and efficient operation and to prolong the life of your equipment.

For detailed instructions regarding the chainsaw itself, always refer to the original instruction manual provided with your Makita UC4020A chainsaw.

2. SAFETY INSTRUCTIONS

Always observe general safety precautions when handling chainsaw components. Failure to follow these instructions may result in serious injury or damage to the equipment.

- **Read Chainsaw Manual:** Always consult the main chainsaw instruction manual for comprehensive safety guidelines before installing or using any accessory.
- **Disconnect Power:** Ensure the chainsaw is unplugged or the battery is removed before performing any installation, adjustment, or maintenance on the guide bar or chain.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear, when handling the guide bar and chain.
- **Inspect for Damage:** Before each use, inspect the guide bar for any signs of wear, cracks, bends, or other damage. Do not use a damaged guide bar.
- **Use Correct Parts:** Only use genuine Makita replacement parts and accessories. Using incompatible parts can lead to malfunction and injury.
- **Sharp Edges:** The guide bar and chain have sharp edges. Handle with extreme care to prevent cuts.

3. SETUP AND INSTALLATION

The Makita 165247-4 Guide Bar is an integral component of your chainsaw. Proper installation is crucial for safe and effective operation.

1. **Preparation:** Ensure the chainsaw is turned off and disconnected from its power source. Place the chainsaw on a stable, flat surface.
2. **Remove Chain Cover:** Loosen the nuts holding the chain cover (sprocket cover) and remove it.
3. **Install Guide Bar:** Position the new Makita 165247-4 guide bar onto the chainsaw studs. Ensure the guide bar's slot aligns with the tensioning pin.
4. **Install Saw Chain:** Carefully fit the saw chain around the sprocket and into the guide bar groove. Ensure the cutting edges of the chain are facing the correct direction.
5. **Replace Chain Cover:** Reinstall the chain cover and hand-tighten the nuts. Do not fully tighten yet.
6. **Adjust Chain Tension:** Adjust the chain tension according to your chainsaw's manual. The chain should be snug but still able to be pulled freely around the guide bar by hand.
7. **Final Tightening:** Once the chain tension is correct, fully tighten the chain cover nuts securely.



Figure 1: An overview of the Makita 165247-4 guide bar, showcasing its length and design. This image represents the product before installation.



Figure 2: A detailed view of the Makita guide bar, highlighting the mounting holes and chain groove where the saw chain runs.

4. OPERATING CONSIDERATIONS

While the guide bar itself does not have operational controls, its condition directly impacts chainsaw performance and safety. Always ensure the guide bar is properly installed and maintained before operating the chainsaw.

- **Chain Lubrication:** Ensure the chainsaw's automatic oiler is functioning correctly and that the chain oil reservoir is filled. Proper lubrication is vital for reducing friction and wear on both the chain and the guide bar.
- **Chain Tension:** Regularly check and adjust chain tension. An overly loose chain can derail, while an overly tight chain can cause excessive wear to the guide bar and chainsaw motor.
- **Cutting Technique:** Use proper cutting techniques as outlined in your chainsaw's manual to minimize stress on the guide bar and chain. Avoid twisting the guide bar in the cut.

5. MAINTENANCE

Regular maintenance of your guide bar will ensure optimal performance and extend its lifespan.

1. **Cleaning the Groove:** Periodically remove the chain and guide bar from the chainsaw. Use a small scraper or a specialized guide bar cleaner to remove sawdust, debris, and hardened oil from the guide bar groove. This ensures the chain runs smoothly.
2. **Lubricating the Sprocket Nose (if applicable):** If your guide bar has a sprocket nose, ensure it is adequately lubricated. Some guide bars have a grease hole for this purpose.
3. **Checking for Burrs:** Over time, burrs may form on the guide bar rails. Use a flat file to carefully

remove any burrs, ensuring the rails are smooth and flat.

- 4. **Guide Bar Rotation:** To promote even wear, rotate the guide bar periodically (e.g., after every few hours of use or chain sharpening). This helps distribute wear across both edges of the bar.
- 5. **Inspection for Wear:**
 - Check for uneven wear on the rails.
 - Look for discoloration from overheating.
 - Inspect the sprocket nose for damage or excessive play.
 - Ensure the guide bar groove is not widened excessively, which can cause the chain to wobble.
- 6. **Replacement:** Replace the guide bar if it shows significant wear, bending, cracking, or if the groove is too wide to properly support the chain.



Figure 3: The Makita guide bar viewed from an angle, useful for inspecting the rails and chain groove for wear and debris during maintenance.

6. TROUBLESHOOTING

If you encounter issues related to the guide bar, consult the following table for potential solutions.

Problem	Possible Cause	Solution
Chain jumps off guide bar	Incorrect chain tension; Worn guide bar groove; Damaged chain.	Adjust chain tension. Inspect guide bar for wear and replace if necessary. Inspect chain for damage and replace if necessary.
Uneven chain wear or cutting	Uneven guide bar wear; Improper chain sharpening.	Rotate guide bar to promote even wear. File down burrs. Ensure chain is sharpened correctly.
Guide bar overheating	Insufficient chain lubrication; Overly tight chain; Clogged oil holes.	Check chain oil level and oiler function. Adjust chain tension. Clean oil holes on the guide bar and chainsaw.

Problem	Possible Cause	Solution
Difficulty installing chain	Guide bar groove clogged with debris.	Clean the guide bar groove thoroughly.

If problems persist after attempting these solutions, consult a qualified Makita service technician.

7. SPECIFICATIONS

- **Model Number:** 165247-4
- **Brand:** Makita
- **Compatibility:** Makita UC4020A Chainsaw
- **Dimensions (L x W x H):** Approximately 50 x 7.5 x 4 cm (19.7 x 3 x 1.6 inches)
- **Weight:** Approximately 460 grams (1.01 lbs)
- **Material:** Metal, Plastic

8. WARRANTY AND SUPPORT

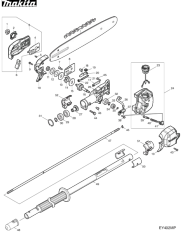

Makita products are manufactured to high-quality standards and are backed by a limited warranty. For specific warranty terms and conditions applicable to your region, please refer to the warranty card included with your original product purchase or visit the official Makita website.

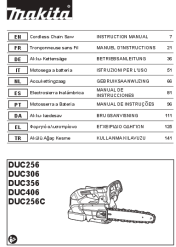
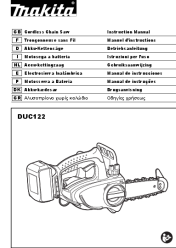

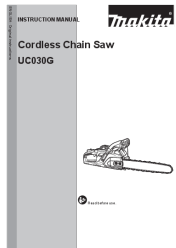
For technical assistance, spare parts, or service, please contact your authorized Makita service center or the retailer from whom you purchased the product. When contacting support, please have your product model number (165247-4) and the chainsaw model (UC4020A) readily available.

Official Makita Website: www.makita.com

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Related Documents - 165247-4

	<p>Makita EY402MP Parts List and Assembly Information</p> <p>This document provides a comprehensive parts list and assembly information for the Makita EY402MP. It includes detailed part numbers, descriptions, quantities, and diagrams for various components, as well as service changes and accessories.</p>
	<p>Makita Chainsaw Spare Parts List - DCS460, DCS461, DCS500, DCS501, DCS4600S, DCS4600SH, DCS5000, DCS5000H, DCS5001, DCS5001H, DCS460, DCS510, DCS5121, DE5045</p> <p>Comprehensive spare parts list for Makita chainsaws including models DCS460, DCS461, DCS500, DCS501, DCS4600S, DCS4600SH, DCS5000, DCS5000H, DCS5001, DCS5001H, DCS460, DCS510, DCS5121, and DE5045. This document details various components such as fuel tanks, handles, cylinders, carburetors, clutches, chain brakes, guide bars, and chains.</p>

	<p>Makita Cordless Chain Saw DUC256/DUC306/DUC356/DUC406/DUC256C Instruction Manual</p> <p>Comprehensive instruction manual for Makita cordless chain saws, models DUC256, DUC306, DUC356, DUC406, and DUC256C. Covers specifications, safety warnings, operation, maintenance, and troubleshooting for efficient and safe tree cutting and pruning.</p>
	<p>Makita DUC122 Cordless Chain Saw: Instruction Manual</p> <p>Official instruction manual for the Makita DUC122 Cordless Chain Saw, offering detailed guidance on operation, safety, maintenance, and specifications for efficient and safe use.</p>
	<p>Makita Cordless Chain Saw Manual: UC002G, UC003G, UC004G, UC006G - Operation & Safety Guide</p> <p>Official instruction manual for Makita cordless chain saws UC002G, UC003G, UC004G, UC006G. Includes detailed guides on safe operation, assembly, maintenance, specifications, and troubleshooting.</p>
	<p>Makita UC030G Cordless Chain Saw Instruction Manual</p> <p>Instruction manual for the Makita UC030G Cordless Chain Saw, covering specifications, safety warnings, operation, maintenance, and troubleshooting.</p>