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Makita MUR013GZ

Makita 40Vmax Cordless Brush Cutter

Model: MUR013GZ

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita 40Vmax Cordless Brush Cutter, model MUR013GZ. Please read this manual thoroughly before using the product and keep it for future reference. This brush cutter is designed for various tasks, from general household and farmland maintenance to clearing undergrowth in forests.

SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Entire Manual:** Understand all warnings, instructions, and specifications provided.
- **Wear Personal Protective Equipment (PPE):** Always wear eye protection, hearing protection, heavy-duty gloves, long pants, and sturdy footwear. A hard hat may be necessary in some environments.
- **Clear the Work Area:** Ensure no bystanders, children, or pets are within the operating radius. Remove any debris, rocks, or other objects that could be thrown by the blade.
- **Inspect the Tool:** Before each use, check the blade, guards, and handles for damage or loose parts. Do not operate if any components are damaged.
- **Battery Safety:** Use only specified Makita 40Vmax batteries and chargers. Do not expose batteries to water, heat, or direct sunlight.
- **Maintain a Firm Grip:** Always hold the brush cutter firmly with both hands on the U-handle.
- **Be Aware of Kickback:** The tool is equipped with a kickback prevention feature that stops the blade upon sudden rotation drop. However, this feature does not prevent kickback itself. Always be prepared for sudden movements.
- **Operate in Good Conditions:** Do not operate in poor lighting or wet conditions unless the tool's IPX4 rating is specifically relevant and precautions are taken. While the tool is designed to withstand rain (Makita standard), it is not guaranteed against malfunction due to water or dust.
- **Avoid Overreaching:** Maintain proper footing and balance at all times.

- **Disconnect Power:** Always remove the battery before making any adjustments, changing accessories, or performing maintenance.

SETUP

1. Unpacking and Inspection

Carefully remove all components from the packaging. Verify that all listed accessories are present and that there is no visible damage to the tool or its parts. If any damage or missing parts are found, contact your dealer immediately.

2. Handle Assembly

The MUR013GZ features an asymmetrical U-handle. Attach the handle securely to the main unit according to the diagrams in your included physical manual. Ensure all bolts are tightened to the specified torque.

3. Blade Attachment

This model is compatible with various blades, including shredder blades, chisel blades (both sold separately), and the included 255mm DC white tip saw. To attach a blade:

1. Ensure the battery is removed from the tool.
2. Place the desired blade onto the spindle, ensuring it is correctly seated.
3. Secure the blade with the appropriate washers and nut. Tighten the nut firmly using the provided wrench.
4. Attach the debris guard securely over the blade.

Note: *The D-shaped punched hole design of the 255mm DC white tip saw contributes to low vibration and energy saving.*

4. Shoulder Harness Attachment

The double shoulder type harness is designed to distribute the product weight across both shoulders, reducing fatigue during extended operation. Attach the harness to the designated points on the brush cutter. Adjust the straps for a comfortable and balanced fit. The resin plate with a three-dimensional shape helps disperse the load and prevents stiffness.



Image: A user operating the Makita brush cutter with the double shoulder harness, demonstrating proper weight distribution for reduced fatigue.

OPERATING INSTRUCTIONS

1. Battery Installation

Insert a charged Makita 40Vmax slide-type Li-ion battery into the battery slot until it clicks into place. Ensure it is fully seated.

2. Power On/Off

To power on, press the power button. To power off, press the power button again. The trigger switch has a light operating feel to reduce finger strain during continuous use.

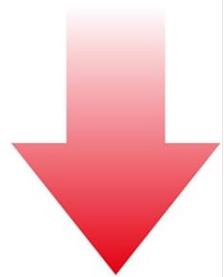
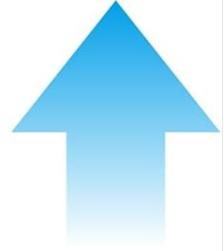
コントロールレバー

ハイトルク
ボタン

電源ボタン



低速



高速

Image: Detailed view of the control lever, showing the power button, high torque button, and speed adjustment mechanism. The red lever controls speed from low to high.

3. Speed Control and High Torque Mode

The control lever allows for variable speed adjustment, similar to engine models. Press the lever to increase speed (high) and release to decrease (low).

For high-load tasks such as shredding, nylon cord cutting, or clearing brush, activate the **High Torque mode**. This mode increases the constant rotation range and torque, providing enhanced power for demanding applications.

4. Optimal Balance and Maneuverability

The motor is strategically positioned at the rear of the unit, resulting in a lightweight front end. This design achieves an optimal center of gravity balance, similar to engine models, ensuring nimble and comfortable operation.



Image: Diagram illustrating the optimal center of gravity balance of the brush cutter, with the motor located at the rear for a lightweight front end and improved maneuverability.

5. Kickback Prevention

The tool is equipped with a kickback prevention feature. If a sudden drop in rotation speed occurs due to kickback (rebound), the blade will quickly stop. **Important:** This function does not prevent kickback itself. Always maintain a secure grip and be aware of your surroundings.

6. Wet Guard and Waterproof Design (IPX4)

The MUR013GZ features a waterproof design, allowing operation even in rain. This is achieved through drip-proof and dust-proof 'Wet Guard' technology and an IPX4 waterproof protection class. While designed to withstand rain (Makita standard), this does not guarantee against malfunction due to water or dust. When a battery is attached, the tool conforms to the protection class of the main unit.



Image: The brush cutter operating in light rain, highlighting its IPX4 waterproof design and Wet Guard features.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your brush cutter.

- **Cleaning:** After each use, remove the battery and clean the tool, especially the blade area and air vents, from grass, dirt, and debris. Use a dry cloth or soft brush. Do not use water or solvents.
- **Blade Inspection:** Regularly inspect the blade for sharpness, cracks, bends, or other damage. Replace dull or damaged blades immediately.
- **Guard Inspection:** Ensure the debris guard is intact and securely fastened. Replace if damaged.
- **Fastener Check:** Periodically check all screws, nuts, and bolts for tightness. Tighten as necessary.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Professional Service:** For any repairs or internal maintenance, contact an authorized Makita service center.

TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact Makita customer support.

Problem	Possible Cause	Solution
Tool does not start	Battery not inserted correctly Battery discharged Power button not pressed	Re-insert battery firmly Charge battery Press the power button
Blade stops during operation	Overload (e.g., thick brush) Kickback prevention activated Battery low	Reduce load, use High Torque mode Release trigger, clear obstruction, restart Charge or replace battery
Reduced cutting performance	Dull or damaged blade Incorrect blade for material	Sharpen or replace blade Select appropriate blade for the task
Excessive vibration	Damaged or unbalanced blade Loose components	Inspect and replace blade if necessary Check and tighten all fasteners

SPECIFICATIONS

The Makita MUR013GZ Cordless Brush Cutter offers robust performance and features for efficient landscaping and clearing tasks.

HIGH-POWER BL MOTOR



ヒートシンク付
コントローラ

コンパクトな
モータ部形状

Image: An internal diagram of the brush cutter, highlighting the powerful brushless motor and the heat sink-cooled controller, designed for continuous heavy-load operation.

Feature	Detail
Model	MUR013GZ
Brand	Makita
Power Source	DC 36V (40Vmax) Li-ion Battery (sold separately)
Handle Type	U-Handle (Asymmetrical)
Cutting Width	φ255mm (with DC white tip saw)
Rotation Speed (No-load)	0 - 6,700 rpm
Continuous Operation Time (BL4050F, no-load, with DC white tip saw)	Approx. 53 minutes (Reference value, varies by battery state and conditions)

Feature	Detail
Dimensions (L x W x H, with BL4050F, tip saw, debris guard)	1,978mm x 590mm x 496mm
Weight (with BL4050F, excluding tip saw, debris guard, shoulder strap)	6.0 kg
Waterproof Rating	IPX4 (Drip-proof/Dust-proof 'Wet Guard')
Included Accessories	Tip saw (cutting blade), Debris guard, Blade cover, Shoulder strap (double shoulder type), Box driver 13-16, Hex wrench 4, 5, Accessory bag
UPC	088381777407

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official Makita website. Keep your purchase receipt as proof of purchase.

For technical support, spare parts, or service, please contact your local authorized Makita service center or the dealer from whom you purchased the product. You can find contact information on the official Makita website:

[Makita Japan Official Website](#)