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Makita HS005GZB

Makita 40Vmax 125mm Cordless Circular Saw HS005GZB User Manual

Model: HS005GZB

Introduction

Thank you for choosing the Makita 40Vmax 125mm Cordless Circular Saw, model HS005GZB. This powerful and versatile tool is designed for efficient and precise cutting tasks. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your circular saw. Please read this manual thoroughly before use and keep it for future reference.



Figure 1: Makita 40Vmax 125mm Cordless Circular Saw in operation.

Safety Information

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

General Safety Precautions:

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure your work area is clean, well-lit, and free from obstructions.
- Keep bystanders, especially children, away from the work area.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always maintain a firm grip on the tool and be aware of its kickback reduction system (AFT).
- Disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.

IP56 Protection:

This tool features an IP56 dustproof and waterproof protection rating. This design provides resistance against dust ingress and water splashes, making it suitable for use in various job site conditions. However, this rating does not guarantee against malfunction if the tool is submerged in water or exposed to excessive dust. Always handle the tool with care.



Figure 2: The HS005GZB features IP56 dust and water resistance.

Package Contents

The standard package for the Makita HS005GZB includes:

- Makita 40Vmax 125mm Cordless Circular Saw (HS005GZB)
- Skin-friendly Premium White Tip Saw Blade (Outer diameter 125mm, Inner diameter 20mm)
- Hex Wrench 5

Note: The battery, charger, and carrying case are sold separately and are not included with this tool body.

Setup

Battery Installation:

1. Ensure the tool is switched off.
2. Align the battery pack with the battery housing on the tool.
3. Slide the battery pack into the housing until it locks into place with a click.
4. To remove, press the battery release button and slide the battery out.

Blade Installation:

1. Ensure the battery is removed.
2. Press the shaft lock button to prevent the blade from rotating.
3. Use the hex wrench to loosen the arbor bolt.
4. Remove the outer flange and old blade.
5. Install the new blade with the teeth pointing in the direction of rotation (indicated by an arrow on the blade guard).
6. Replace the outer flange and tighten the arbor bolt securely with the hex wrench while holding the shaft lock button.

Adjusting Cutting Depth:

The cutting depth can be adjusted to suit the material thickness. The maximum cutting depth is 47mm at 90 degrees.

1. Loosen the depth adjustment lever.
2. Raise or lower the base to achieve the desired cutting depth.
3. Tighten the depth adjustment lever firmly.

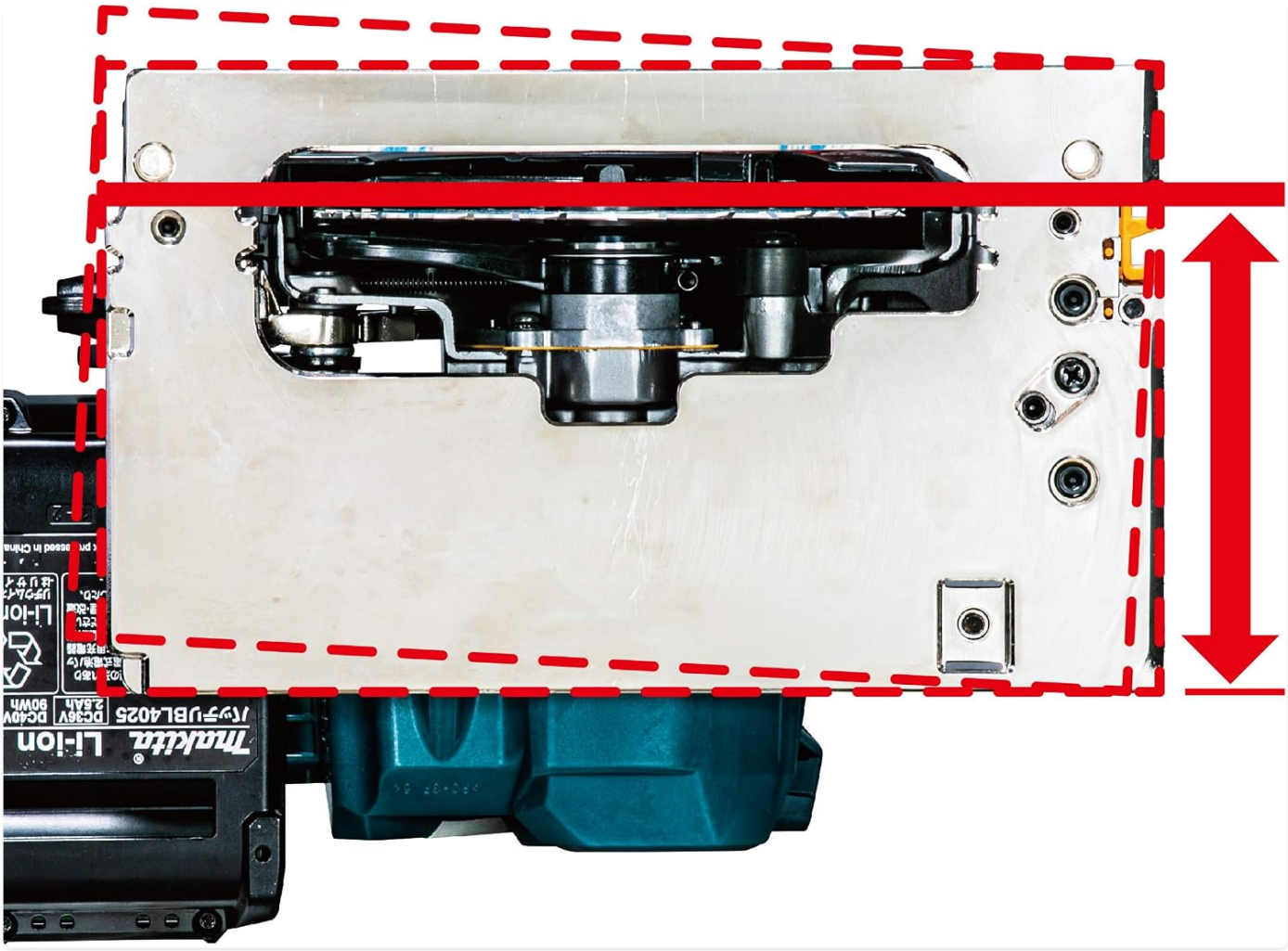


Figure 3: Depth adjustment mechanism.

Operating Instructions

Selecting Drive Mode:

The HS005GZB features two selectable drive modes for optimized performance:

- **Speed Mode (Automatic Speed Change):** Provides high-speed rotation (up to 6,000 RPM) for light loads and automatically applies high torque for heavy loads, ensuring fast cutting.
- **Finish Mode (Constant Speed Control):** Maintains a constant rotational speed (4,500 RPM) for strong adhesion and clean cut surfaces. This mode is ideal for renovation work and interior finishing due to its low noise operation.

Use the mode selection switch on the tool to toggle between Speed Mode and Finish Mode.



Figure 4: Two selectable drive modes for optimal cutting.

Making a Cut:

1. Mark your cutting line on the workpiece.
2. Adjust the cutting depth and bevel angle as required.
3. Place the front edge of the saw base on the workpiece, ensuring the blade is clear of the material.
4. Start the saw and allow the blade to reach full speed before engaging the material.
5. Guide the saw smoothly along the cutting line, applying steady pressure. Do not force the tool.
6. Once the cut is complete, release the trigger and allow the blade to stop completely before lifting the saw from the workpiece.

Edge Cutting and Bevel Cuts:

The HS005GZB allows for precise edge cutting by removing the separate base and sub-base. It also supports bevel cuts up to 15 degrees (left bevel).

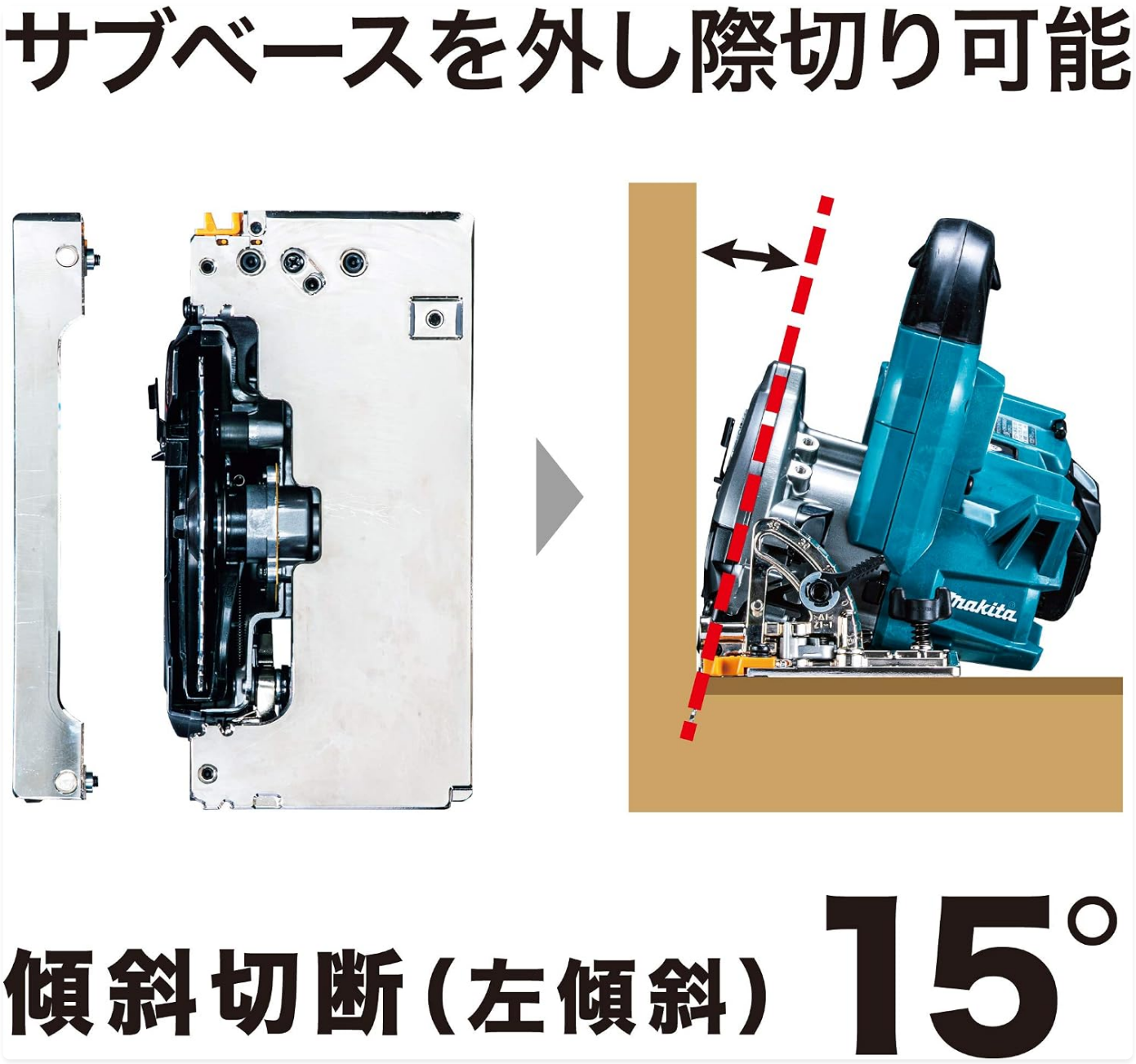


Figure 5: Edge cutting capability and 15-degree left bevel cut.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your circular saw.

- **Cleaning:** After each use, clean the tool thoroughly. Remove sawdust and debris from the blade guard, motor vents, and base plate. Use a soft cloth, and avoid using solvents that may damage plastic parts.
- **Blade Inspection:** Regularly inspect the saw blade for sharpness, damage, or missing teeth. Replace dull or damaged blades immediately to ensure safe and efficient cutting.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **General Inspection:** Periodically check all screws and fasteners for tightness. Ensure all moving parts operate smoothly.

For any repairs or servicing beyond routine maintenance, contact an authorized Makita service center.

Troubleshooting

If you encounter issues with your Makita circular saw, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
Saw does not start	Battery not charged or improperly installed; Tool switch malfunction	Charge battery, ensure proper installation; Contact service center
Reduced cutting performance	Dull or damaged blade; Incorrect cutting depth; Overloading the tool	Replace blade; Adjust cutting depth; Reduce feed rate
Excessive vibration or noise	Loose blade; Damaged blade; Internal component issue	Tighten blade arbor bolt; Replace blade; Contact service center
Kickback occurs frequently	Improper cutting technique; Dull blade; Workpiece not secured	Review operating instructions; Replace blade; Secure workpiece firmly

AFT (Active Feedback sensing Technology):

The AFT system is designed to reduce kickback reaction by automatically shutting down the motor if the blade rotation is suddenly forced to stop. If the tool stops unexpectedly, check for obstructions, ensure the blade is sharp, and restart the tool.

Specifications

Feature	Specification
Brand	Makita
Model Number	HS005GZB
Power Source	Battery Powered (36V / 40Vmax Li-ion slide-type)
Saw Blade Outer Diameter	125 mm
Saw Blade Inner Diameter	20 mm
Maximum Cutting Depth (90°)	47 mm
Rotational Speed (Speed Mode)	6,000 RPM
Rotational Speed (Finish Mode)	4,500 RPM
Product Dimensions (L x W x H)	26.3 cm x 18.5 cm x 24.6 cm
Product Weight (with BL4025 battery)	2.8 kg
Protection Class	IP56 (Dustproof/Waterproof)
Included Components	Tip Saw, Hex Wrench 5

Warranty and Support

Makita products are manufactured under strict quality control standards. For warranty information, please refer to the

warranty card included with your purchase or visit the official Makita website. For technical support, spare parts, or service inquiries, please contact your local authorized Makita service center or dealer.

You can find more information and locate service centers through the official Makita website: www.makita.com

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