Makita 5007MG

Makita 5007Mg Magnesium 7-1/4-Inch Circular Saw Instruction Manual

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and setup of your Makita 5007Mg Magnesium 7-1/4-Inch Circular Saw. Please read and understand all instructions before using the tool.



Figure 1: Makita 5007Mg Magnesium 7-1/4-Inch Circular Saw with included carrying case.

Safety Information

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

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure the saw is unplugged before making any adjustments, changing blades, or performing maintenance.
- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Secure workpieces with clamps or a vise to prevent movement during cutting.
- Avoid forcing the saw. Allow the blade to cut at its own pace for optimal performance and safety.

Setup

Unpacking and Inspection

Upon receiving your Makita 5007Mg Circular Saw, carefully unpack all components and inspect for any damage that may have occurred during shipping. Ensure all included items are present:

- Makita 5007Mg 7-1/4-Inch Magnesium Circular Saw
- 7-1/4" 24T Ultra-Coated C.T. Saw Blade (A-94530-A)
- Carrying Case
- Hex Wrench
- Rip Fence

Blade Installation

Before installing or changing the blade, ensure the saw is unplugged from the power source.

1. Locate the spindle lock button, typically near the blade. Press and hold it to prevent the blade from rotating.
2. Use the provided hex wrench to loosen the arbor bolt. Turn the bolt counter-clockwise to loosen.
3. Once the arbor bolt is removed, carefully remove the outer flange and the old blade.
4. Clean any sawdust or debris from the arbor and flanges.
5. Place the new 7-1/4-inch blade onto the arbor, ensuring the teeth are pointing in the correct direction (usually indicated by an arrow on the blade guard).
6. Reinstall the outer flange and the arbor bolt. Tighten the arbor bolt clockwise while holding the spindle lock button. Do not overtighten.

For a visual guide on changing the circular saw blade, refer to the video below:

Video 1: Instructions on how to safely change a circular saw blade.



Figure 2: Close-up view of the circular saw blade and arbor for installation reference.

Operating Instructions

Adjusting Cutting Depth

The cutting depth can be adjusted to match the thickness of your workpiece. To adjust, loosen the depth adjustment lever, raise or lower the saw base to the desired depth, and then securely tighten the lever. Ensure the blade extends slightly below the workpiece for a clean cut.

Adjusting Bevel Angle

The Makita 5007Mg allows for bevel cuts up to 56 degrees, with positive stops at 22.5 and 45 degrees for quick adjustments. To change the bevel angle, loosen the bevel adjustment lever, tilt the saw base to the desired angle, and then securely tighten the lever.



Figure 3: Detail of the bevel adjustment scale and lever on the Makita 5007Mg circular saw.

Making a Cut

1. Ensure the workpiece is securely clamped and the cutting line is clearly marked.
2. Position the saw with the front of the base plate resting on the workpiece, aligning the blade with your cutting line.
3. Depress the trigger to start the saw, allowing the blade to reach full speed before engaging the material.
4. Gently push the saw forward through the workpiece, maintaining a steady pace. Do not force the saw.
5. Once the cut is complete, release the trigger and allow the blade to stop completely before lifting the saw from the workpiece.

Observe the Makita 5007Mg in action for a better understanding of its operation:

Video 2: A brief demonstration of the Makita 5007Mg Circular Saw in use.

Maintenance

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

- **Cleaning:** After each use, unplug the saw and use a brush or compressed air to remove sawdust and debris from the motor vents, blade guard, and base plate. A built-in dust blower helps keep the line of cut clear during operation.
- **Blade Inspection:** Regularly inspect the blade for sharpness, damage, or missing teeth. Replace dull or damaged blades promptly to ensure safe and efficient cutting.
- **Cord Inspection:** Check the power cord for any cuts, fraying, or damage. Replace damaged cords immediately.
- **Lubrication:** Refer to the detailed service manual for specific lubrication points and schedules.

Troubleshooting

This section addresses common issues you might encounter with your circular saw.

- **Saw not starting:** Check if the saw is securely plugged into a working outlet. Inspect the power cord for damage. Ensure the trigger lock-off button is fully disengaged.
- **Blade binding or slow cutting:** The blade may be dull or dirty. Replace the blade or clean it. Ensure the cutting depth is set correctly for the material thickness. Avoid forcing the saw; let the blade do the work.
- **Excessive vibration:** Check if the blade is properly installed and tightened. Ensure the blade is not bent or damaged.
- **Motor overheating:** Ensure the motor vents are clear of debris. Avoid continuous heavy-duty cutting without breaks.

If you encounter issues not covered here or require further assistance, please contact Makita customer support.

Specifications

Brand	Makita
Model Number	5007MG
Power Source	Corded Electric
Voltage	120 Volts
Amperage	15 Amps
Wattage	1800 watts
Speed	5800 RPM
Blade Diameter	7-1/4 Inches
Number of Teeth	24T (Included Blade)
Cutting Angle	Up to 56 Degrees Bevel Capacity
Item Weight	10.6 pounds
Product Dimensions	20.9"L x 17.9"W x 13.9"H
Handle Material	Rubber
Included Components	7-1/4" 24T Ultra-Coated C.T. Saw Blade, Case, Hex Wrench, Rip Fence

Warranty

Every Makita tool undergoes thorough inspection and testing before leaving the factory. If you are not satisfied with any Makita tool within 30 days of purchase, you may return it for a replacement or refund.
Each Makita tool is warranted to be free of defects from workmanship and materials for a period of **ONE YEAR** from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers.
For complete details regarding warranty coverage and service, please visit the official Makita website: makitatools.com.

Support

For additional information, technical assistance, or to locate an authorized service center, please contact Makita U.S.A., Inc. customer support.

- **Phone:** 800/4-MAKITA (800/462-5482)
- **Website:** makitatools.com
- **Location:** La Mirada, California, U.S.A.

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