

Makita GA023GM201

Makita GA023GM201 40V max Cordless Angle Grinder Instruction Manual

Model: GA023GM201

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and setup of your Makita GA023GM201 40V max Cordless Angle Grinder. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage. Keep this manual accessible for future reference.

The Makita GA023GM201 is a high-performance 125 mm (5 inch) cordless angle grinder designed for heavy-duty grinding and cutting applications. It features a 40V max Li-ion XGT battery system, offering superior power and runtime.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This section outlines general power tool safety warnings and specific safety rules for angle grinders.

General Power Tool Safety Warnings

- **Work Area Safety:** Keep 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.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. Always wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, dust mask, and heavy-duty gloves.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

Specific Angle Grinder Safety Warnings

- Always use the correct type of grinding wheel for the material and application.
- Ensure the wheel guard is properly installed and adjusted to provide maximum safety.
- Never use a damaged or cracked grinding wheel. Inspect wheels before each use.
- Hold the tool firmly with both hands during operation.

- Be aware of kickback, which is a sudden reaction to a pinched or snagged rotating wheel.
- Do not touch the workpiece immediately after grinding as it will be hot.

3. PACKAGE CONTENTS

Your Makita GA023GM201 Cordless Angle Grinder package should contain the following items:

- Makita GA023GM201 Cordless Angle Grinder
- 2 x 40V max / 4.0 Ah Lithium-ion Batteries
- Battery Charger
- MAKPAC Carrying Case
- Side Handle
- Wheel Guard
- Grinding Wheel (initial)
- Instruction Manual (this document)



Image 3.1: Complete Makita GA023GM201 kit including the angle grinder, two 40V max batteries, a battery charger, and a MAKPAC system case for storage and transport.

4. SETUP

4.1 Charging the Battery

Before first use, fully charge the Lithium-ion batteries. Connect the charger to a power outlet and insert the battery pack. The charger indicator lights will show the charging status. Refer to the charger's separate manual for detailed instructions.

4.2 Installing/Removing the Battery

1. To install: Align the battery pack with the battery housing on the tool and slide it in until it clicks into place.
2. To remove: Press the release button on the battery pack and slide it out of the tool.

4.3 Attaching the Side Handle

Screw the side handle into one of the threaded holes on the gear housing. Ensure it is tightened securely. The handle can be positioned on either side for left or right-handed operation.

4.4 Installing/Removing Grinding Wheels

1. Ensure the tool is switched off and the battery is removed.
2. Press the spindle lock button to secure the spindle.
3. Use the provided wrench to loosen and remove the lock nut.
4. Place the desired grinding wheel onto the inner flange, ensuring it is centered.
5. Thread the lock nut back on and tighten it securely with the wrench while holding the spindle lock button.
6. To remove, reverse these steps.

4.5 Adjusting the Wheel Guard

The wheel guard can be adjusted without tools. Loosen the clamp lever, rotate the guard to the desired position to protect against sparks and debris, and then tighten the clamp lever firmly.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To start the tool, slide the lock-off lever (if present) and then depress the trigger switch.
- To stop the tool, release the trigger switch.

5.2 Variable Speed Control

The GA023GM201 features variable speed control, allowing you to adjust the rotation speed (up to 8500 RPM) to match the material being worked and the specific application. Use the speed dial or control button to select the appropriate speed setting.

5.3 AWS (Auto-start Wireless System) Function

This tool is equipped with AWS, which allows it to wirelessly connect to compatible Bluetooth-enabled dust extractors. When the grinder is switched on, the dust extractor will automatically start, and when the grinder is switched off, the dust extractor will stop after a short delay. Refer to the AWS module manual for pairing instructions.

5.4 Grinding Techniques

- Always hold the grinder firmly with both hands.
- Allow the wheel to reach full speed before contacting the workpiece.
- Apply moderate pressure; excessive force can reduce efficiency and damage the wheel or tool.
- Maintain a consistent angle for even material removal.



Image 5.1: The Makita GA023GM201 angle grinder being used to grind a surface, demonstrating its powerful operation and the importance of proper handling.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your tool.

6.1 Cleaning

- Always disconnect the battery before cleaning.
- Clean the tool's ventilation openings regularly to prevent overheating. Use a soft brush or compressed air.
- Wipe the exterior with a soft, damp cloth. Do not use harsh chemicals or solvents.

6.2 Inspecting Components

- Regularly inspect the grinding wheel for wear, cracks, or damage. Replace as needed.
- Check the wheel guard for any damage or looseness.
- Ensure the side handle is securely fastened.

6.3 Battery Care

- Store batteries in a cool, dry place away from direct sunlight and heat.
- Do not store fully discharged batteries for extended periods. Charge them periodically.
- Avoid dropping or subjecting batteries to impact.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your angle grinder.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed; Tool switch faulty	Charge battery and re-install; Contact service center if switch is faulty
Reduced power/performance	Battery low; Overload; Worn grinding wheel	Recharge battery; Reduce pressure on workpiece; Replace grinding wheel
Excessive vibration	Damaged or improperly installed grinding wheel; Loose components	Inspect and replace wheel; Ensure all components are tightened
Tool stops during operation	Overload protection activated; Battery depleted	Reduce load; Recharge battery

If you encounter issues not listed here or if solutions do not resolve the problem, please contact Makita customer support or an authorized service center.

8. SPECIFICATIONS

Feature	Specification
Model Number	GA023GM201
Brand	Makita
Voltage	40 Volts (max)
Power	1000 Watts
Maximum Rotation Speed	8500 rpm
Disc Diameter	125 mm (5 inches)
Battery Type	Lithium-ion
Battery Capacity	4.0 Ah
Product Dimensions (L x W x H)	42.5 x 14 x 16.8 cm
Item Weight	4.4 Kilograms
Material	Plastic, Metal
Included Components	Angle Grinder, 2x 4.0 Ah Batteries, Charger, MAKPAC Case


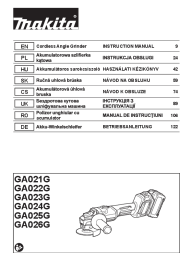
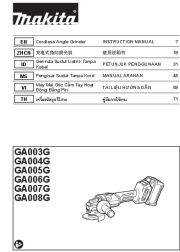
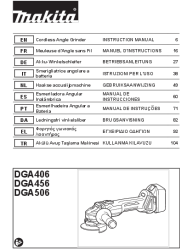


9. WARRANTY AND SUPPORT

Makita products are manufactured to high-quality standards and are warranted against defects in materials and workmanship. The specific warranty period and terms may vary by region and product type. Please refer to the warranty card included with your product or visit the official Makita website for detailed warranty information.

For technical support, service, or spare parts, please contact your local authorized Makita service center or the retailer from whom you purchased the product. When contacting support, please have your model number (GA023GM201) and serial number ready.

You can find contact information for Makita customer service and authorized service centers on the official Makita website:
www.makita.com

Related Documents - GA023GM201

	<p>Makita XGT 40V max Angle Grinders: Flat-Head, Standard, and Accessories Guide</p> <p>Comprehensive overview of Makita XGT 40V max angle grinders, detailing flat-head, standard 125mm, 150mm, 180mm, and 230mm models. Features include brushless motors, Active Feedback Technology, XPT durability, and detailed specifications. Explore available accessories.</p>
	<p>Makita Akumulátorová Úhlová Bruska GA021G-GA026G Návod k Obsluze</p> <p>Kompletní návod k obsluze pro akumulátorové úhlové brusky Makita řady GA021G až GA026G. Zahrnuje bezpečnostní pokyny, specifikace, návod k použití, údržbě a řešení problémů.</p>
	<p>Makita GA003G-GA008G Cordless Angle Grinder Instruction Manual</p> <p>Official instruction manual for Makita's GA003G through GA008G series cordless angle grinders. Provides comprehensive safety warnings, specifications, assembly, operation, and maintenance guidelines for efficient grinding, sanding, and cutting tasks.</p>
	<p>Makita DGA406, DGA456, DGA506 Cordless Angle Grinder Instruction Manual</p> <p>This instruction manual provides essential information for the safe and effective operation of Makita DGA406, DGA456, and DGA506 cordless angle grinders, covering specifications, safety precautions, assembly, and usage guidelines.</p>
	<p>Makita GA035G Cordless Angle Grinder: Instruction Manual & Safety Guide</p> <p>Download the official Makita GA035G Cordless Angle Grinder instruction manual. Learn about safe operation, assembly, maintenance, and specifications for your Makita angle grinder.</p>
	<p>Makita Cordless Angle Grinders DGA406/DGA408/DGA506/DGA508 with AFT and ADT</p> <p>Discover Makita's 18V LXT Cordless Angle Grinders, featuring Automatic Feed Technology (AFT) for anti-kickback protection and Automatic Torque Drive (ADT) for optimal performance. This document details the features, specifications, and accessories for models DGA406, DGA408, DGA506, and DGA508, highlighting their electronic brake, restart protection, and dust/water-resistant design.</p>

