Makita GA4030K

Makita GA4030K 4" Angle Grinder User Manual

Model: GA4030K

Brand: Makita

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita GA4030K 4-inch Angle Grinder. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.



Image 1.1: The Makita GA4030K 4-inch Angle Grinder, shown with its included plastic tool box. This compact and powerful tool is designed for demanding grinding applications.

2. Safety Instructions

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

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:** Power tool plugs must match the outlet. Never modify the plug in any way. 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. Always wear eye protection and hearing protection.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts.

This will ensure that the safety of the power tool is maintained.

Angle Grinder Specific Safety Warnings:

- Always use the correct wheel guard for the type of grinding or cutting operation.
- Ensure the accessory is properly mounted and tightened before operation.
- Do not use damaged accessories. Inspect the accessory before each use for chips, cracks, or excessive wear.
- Maintain a firm grip on the tool with both hands during operation.
- Keep hands clear of the rotating accessory.
- Be aware of sparks and flying debris during operation. Ensure bystanders are at a safe distance.

3. Package Contents

Upon opening the package, verify that all items listed below are present and undamaged. If any items are missing or damaged, contact your dealer immediately.

- Makita GA4030K 4" Angle Grinder Unit
- 4" Grinding Wheel (Part No. 741402-B)
- Wheel Guard (Part No. 135238-9)
- Locking Nut (Part No. 224573-1)
- Lock Nut Wrench (Part No. 782420-7)
- Side Handle (Part No. 153504-2)
- Inner Flange (Part No. 224377-1)
- Plastic Tool Box (Part No. 824736-5)



Image 3.1: The Makita GA4030K Angle Grinder, demonstrating its compact design and barrel grip. This image shows the tool itself, ready for accessory attachment.

4. Setup

Attaching the Side Handle:

1. Locate the threaded holes on the gear housing of the grinder.
2. Screw the side handle (153504-2) firmly into one of the threaded holes. The handle can be positioned on either side of the grinder for left or right-handed operation.
3. Ensure the handle is securely tightened before use.

Installing the Wheel Guard:

1. Align the tabs on the wheel guard (135238-9) with the slots on the grinder's gear housing.
2. Slide the guard onto the housing until it clicks into place or is firmly seated.
3. Rotate the guard to the desired position to protect against sparks and debris during operation. Ensure it is securely locked in place.

Mounting the Grinding Wheel:

1. Ensure the grinder is unplugged from the power source.
2. Place the inner flange (224377-1) onto the spindle, ensuring it sits flat against the gear housing.
3. Position the 4" grinding wheel (741402-B) onto the inner flange, aligning the center hole of the wheel with the spindle.
4. Thread the locking nut (224573-1) onto the spindle.
5. Press the spindle lock button (usually located on the top of the gear housing) to prevent the spindle from rotating.
6. Use the lock nut wrench (782420-7) to firmly tighten the locking nut. Do not overtighten.
7. Release the spindle lock.

5. Operating Instructions

Powering On/Off:

- To turn the grinder ON, slide the switch forward to the "I" (ON) position.
- To turn the grinder OFF, slide the switch back to the "O" (OFF) position.
- Always ensure the switch is in the "OFF" position before plugging or unplugging the tool.

Grinding Techniques:

- Allow the grinder to reach full speed before contacting the workpiece.
- Apply light, even pressure. Do not force the tool.
- Move the grinder smoothly across the workpiece to ensure even material removal and prevent gouging.
- For optimal control and safety, always hold the grinder firmly with both hands, utilizing the side handle.
- The rotating gear housing can be positioned every 90° for various cutting applications, allowing for comfortable grip and control depending on the task.

Material Compatibility:

The Makita GA4030K is suitable for grinding and cutting various materials, including metal, brick, and other masonry. Always use the appropriate accessory (grinding wheel, cutting disc, wire brush, sanding disc) for the specific material and task.

6. Maintenance

Cleaning:

- Regularly clean the tool's ventilation openings to prevent overheating. Use a soft brush or compressed air.
- Wipe down the exterior of the tool with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- The labyrinth construction helps seal and protect the motor and bearings from dust and debris, but regular external cleaning is still recommended.

Carbon Brush Replacement:

The carbon brushes are externally accessible for greater ease of service. When the carbon brushes wear down, the motor may spark excessively or lose power.

1. Unplug the tool from the power source.
2. Locate the brush caps on the sides of the motor housing.
3. Unscrew the brush caps using a flathead screwdriver.
4. Remove the old carbon brushes.
5. Insert new, genuine Makita carbon brushes, ensuring they are oriented correctly.
6. Replace and tighten the brush caps.
7. It is recommended to replace both brushes at the same time.

Storage:

Store the grinder in its plastic tool box (824736-5) in a dry, secure location, out of reach of children.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Power switch in OFF position; Worn carbon brushes.	Check power outlet and cord; Ensure switch is ON; Replace carbon brushes.
Excessive sparking from motor.	Worn carbon brushes; Dirty commutator.	Replace carbon brushes; Have commutator inspected by qualified service personnel.
Tool overheats.	Blocked ventilation openings; Overloading the tool.	Clean ventilation openings; Reduce pressure and allow tool to cool.
Excessive vibration.	Damaged or improperly mounted accessory; Worn bearings.	Inspect and replace accessory if damaged, ensure it's properly mounted; Have tool inspected by qualified service personnel.

If the problem persists after attempting these solutions, contact a qualified service center or Makita customer support.

8. Specifications

Feature	Detail
Model Number	GA4030K
Power Source	Electric (Corded)
Motor	6.0 Amp
No Load Speed	11,000 RPM
Wheel Diameter	4 inches
Spindle Thread	M10 x 1.25
Overall Length	10-1/2" x 4-5/8" x 3-3/4"
Net Weight	3.1 lbs
Barrel Grip Circumference	2-1/4 inches
Special Features	Labyrinth construction, externally accessible brushes, zig-zag protective varnish, ball bearing design, metal gear housing, machined bevel gears, compact design.

9. Warranty and Support

Makita power tools are engineered for durability and performance. For specific warranty information regarding your GA4030K Angle Grinder, please refer to the warranty card included with your product or visit the official Makita website.

For technical support, service, or to locate an authorized service center, please visit the official Makita website or contact their customer service department.

Visit the Official Makita Website

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