Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Makita GA4030

Makita GA4030 4-Inch Angle Grinder

INSTRUCTION MANUAL

1. Introduction and Overview

The Makita GA4030 4-Inch Angle Grinder is a versatile and powerful tool designed for both professionals and DIY enthusiasts. It features a compact design and a robust 6.0 AMP motor, delivering 11,000 RPM for demanding applications. This grinder incorporates labyrinth construction and zig-zag varnish to seal and protect the motor and bearings from dust and debris, ensuring longer tool life. Its ergonomic design, including a small barrel grip and a side handle positioned at an increased 20-degree angle, enhances comfort and control during use. Ideal for tasks such as weld smoothing, surface preparation, and cutting various materials, the GA4030 promises high performance and durability.



Figure 1: Makita GA4030 4-Inch Angle Grinder

2. Product Features

- **Powerful 6.0 AMP Motor:** Delivers 11,000 RPM for the most demanding applications.
- **Compact Design:** Weighs only 3.7 lbs. for reduced operator fatigue and easy handling in tight spaces.
- **Labyrinth Construction:** Seals and protects the motor and bearings from dust and debris, ensuring longer tool life.
- **Zig-Zag Varnish:** Further protects the motor from contaminants.
- **Small Barrel Grip:** Enhances comfort and control during extended use.
- **Adjustable Side Handle:** Can be positioned at an increased 20-degree angle for improved ergonomics.
- **Durable Build Quality:** Solid construction for reliability and longevity.

3. Setup

Before operating your Makita GA4030 Angle Grinder, ensure it is properly set up for safe and efficient use.

1. **Safety First:** Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection, before beginning any work.
2. **Inspect the Tool:** Check the grinder for any signs of damage, loose parts, or frayed cords. Do not use if damaged.
3. **Attach Side Handle:** Securely screw the side handle into one of the threaded holes on either side of the gear housing. Choose the position that offers the best control and comfort for your task.
4. **Install Grinding/Cutting Wheel:**
    - Ensure the grinder is unplugged.
    - Press the spindle lock button to prevent the spindle from rotating.
    - Place the inner flange onto the spindle.
    - Position the desired grinding or cutting wheel onto the inner flange, ensuring it sits flush.
    - Thread the lock nut onto the spindle and tighten it securely using the provided wrench.
5. **Adjust Wheel Guard:** Position the wheel guard to deflect sparks and debris away from you and bystanders. Ensure it is securely fastened.
6. **Power Connection:** Connect the grinder to a suitable power outlet (110V AC as per specifications).

4. Operating Instructions

Follow these guidelines for safe and effective operation of your angle grinder.

1. **Secure Workpiece:** Always clamp or secure your workpiece firmly to prevent movement during operation.
2. **Starting the Grinder:**
    - Hold the grinder firmly with both hands (one on the main grip, one on the side handle).
    - Slide the power switch forward to turn the tool ON. For continuous operation, push the switch further forward until it locks into place.
    - Allow the wheel to reach full speed before contacting the workpiece.
3. **Grinding/Cutting Technique:**
    - Apply light, even pressure. Let the tool do the work.
    - For grinding, maintain a slight angle (15-30 degrees) between the wheel and the workpiece.
    - For cutting, use a cutting disc and apply pressure perpendicular to the workpiece. Do not apply side pressure to cutting discs.
    - Move the grinder smoothly and consistently across the material.

4. **Stopping the Grinder:**
    - If the switch is locked on, push the rear of the switch to release it and turn the tool OFF.
    - Wait for the wheel to come to a complete stop before setting the tool down.
    - Always unplug the tool when not in use or before changing accessories.
5. **Overload Protection:** Avoid excessive pressure that could stall the motor. If the tool overheats, stop operation and allow it to cool down.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Makita GA4030 Angle Grinder.

- **Cleaning:** After each use, clean the tool thoroughly. Pay special attention to the air vents to ensure proper cooling. The labyrinth construction helps protect internal components from dust, but external cleaning is still important.
- **Carbon Brush Inspection/Replacement:** The motor uses carbon brushes which are consumable parts. Inspect them periodically (e.g., every 50 hours of use) and replace both brushes simultaneously when they wear down to the limit mark. Refer to the brush cap locations on the tool for access.
- **Cord Inspection:** Regularly check the power cord for cuts, abrasions, or damage. Replace immediately if any damage is found.
- **Gear Housing Lubrication:** Periodically, the gear housing may require lubrication. This is typically a task for a qualified service technician.
- **Storage:** Store the grinder in a dry, secure place, out of reach of children and away from direct sunlight or extreme temperatures.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Tool does not start	No power supply; Damaged power cord; Worn carbon brushes; Faulty switch.	Check power outlet and circuit breaker; Inspect and replace cord if damaged; Replace carbon brushes; Contact service center for switch replacement.
Reduced power or overheating	Overloading the tool; Clogged air vents; Worn carbon brushes.	Reduce pressure on workpiece; Clean air vents thoroughly; Replace carbon brushes.
Excessive vibration or noise	Damaged or unbalanced wheel; Loose components; Worn bearings.	Replace damaged wheel; Tighten all fasteners; Contact service center for bearing replacement.
Sparks are excessive or unusual	Worn carbon brushes; Incorrect wheel type for material.	Inspect and replace carbon brushes; Ensure correct wheel is used for the application.

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

7. Specifications

Attribute	Detail
Brand	Makita
Model Number	GA4030
Power Source	AC
Voltage	110V
Wattage	720 watts
Amperage	6.0 AMP
Maximum Rotational Speed	11,000 RPM
Item Weight	3.7 Pounds
Product Dimensions	13.66"L x 5.6"W x 4.7"H
Material	Metal
Color	Blue
Included Components	Case
Special Features	Heavy-duty

8. Warranty and Support

The Makita GA4030 4-Inch Angle Grinder comes with a**1-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or service inquiries, please contact Makita customer service directly or visit their official website for a list of authorized service centers. Ensure you have your proof of purchase and the product's model number (GA4030) readily available when contacting support.

For more information, you may visit the official Makita Store:Makita Power Tools Store.

© 2023 Makita Corporation. All rights reserved.

Model: GA4030 | UPC: 088381096850

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B003S3SOTU

More documents and user manuals: **https://manuals.plus/**