Makita GA7020/2

Makita GA7020/2 Angle Grinder User Manual

Model: GA7020/2 | Brand: Makita

Introduction

The Makita GA7020/2 angle grinder is a professional power tool designed for efficient material removal. It features a powerful 2000-watt motor, delivering up to 8,500 RPM for various grinding and cutting applications. This manual provides essential information for the safe and effective use of your angle grinder.

Image: The Makita GA7020/2 Angle Grinder, a powerful tool designed for material removal.

Safety Information

Always read and understand 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.

- Wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves.
- Ensure the workpiece is securely clamped before operation.
- Keep hands clear of rotating parts.
- Disconnect power before changing accessories or performing maintenance.
- Do not operate the tool in damp or wet conditions.
- Use only accessories specifically designed for this angle grinder.

Components and Features

The Makita GA7020/2 Angle Grinder is equipped with several key features for efficient and safe operation:

- **Powerful 2000-watt motor:** Provides up to 8,500 RPM for fast material removal.
- **Three-position adjustable side handle:** Allows for optimal control and comfort during various applications.

- **Tool-free wheel guard:** Enables quick and easy adjustment of the guard position.
- **Push-button spindle lock:** Facilitates rapid wheel changes.
- **Trigger type on/off switch:** For convenient operation.
- **Double insulated:** Enhances user safety.



Image: The Makita GA7020/2 Angle Grinder shown with its adjustable side handle, providing enhanced grip and control.

Setup

1. **Unpacking:** Carefully remove the angle grinder and all accessories from the packaging. Inspect for any damage.
2. **Attaching the Side Handle:** Screw the adjustable side handle into one of the three available positions on the gear housing, ensuring it is tightened securely. Choose a position that offers the best control for your application.
3. **Installing the Wheel Guard:** Position the wheel guard over the spindle and secure it using the tool-free mechanism. Ensure the guard is oriented to deflect sparks and debris away from the operator.
4. **Mounting the Grinding Wheel:**
    - Press and hold the spindle lock button.
    - Place the inner flange onto the spindle.
    - Place the desired grinding or cutting wheel onto the inner flange, ensuring it sits flush.
    - Thread the outer flange nut onto the spindle and tighten it firmly with the provided wrench. Release the spindle lock.
5. **Power Connection:** Ensure the tool's switch is in the OFF position before plugging the cord into a suitable 220V power outlet.



Image: The angle grinder with a grinding wheel and guard properly installed, ready for operation.

Operating Instructions

1. **Pre-Operation Check:** Before each use, inspect the tool, power cord, and accessories for any damage or wear. Ensure all guards and handles are securely attached.
2. **Starting the Tool:** Hold the grinder firmly with both hands. Ensure the grinding wheel is clear of the workpiece. Press the trigger type on/off switch to start the motor. Allow the tool to reach full speed before contacting the workpiece.
3. **Grinding/Cutting:** Apply light, consistent pressure. Allow the tool's speed to do the work. Move the grinder smoothly across the workpiece. For cutting, use a steady, controlled motion. Avoid excessive pressure, which can cause kickback or damage to the wheel.
4. **Stopping the Tool:** Release the trigger switch to turn off the motor. Wait for the grinding wheel to come to a complete stop before setting the tool down.
5. **Workpiece Stability:** Always secure the workpiece to prevent movement during operation.



Image: The angle grinder actively grinding metal, illustrating the sparks generated during operation. Always wear appropriate eye protection.

Maintenance

Regular maintenance ensures the longevity and safe operation of your Makita GA7020/2 Angle Grinder.

- **Cleaning:** After each use, clean the tool with a dry cloth to remove dust and debris. Use compressed air to clear ventilation openings.
- **Carbon Brushes:** Periodically check the carbon brushes for wear. Replace them when they are worn down to the limit mark. Refer to the service manual for detailed instructions on brush replacement.
- **Cord Inspection:** Regularly inspect the power cord for cuts, abrasions, or damage. Do not use the tool if the cord is damaged.
- **Lubrication:** This tool is factory lubricated and generally does not require additional lubrication by the user.
- **Storage:** Store the tool in a dry, secure place out of reach of children.

Troubleshooting

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 power cord if damaged; Replace carbon brushes; Contact authorized service center.
Excessive vibration	Improperly mounted wheel; Damaged wheel; Loose side handle	Ensure wheel is correctly mounted and tightened; Replace damaged wheel; Tighten side handle.
Overheating	Blocked ventilation slots; Overloading the tool	Clean ventilation slots; Reduce pressure and allow tool to cool; Use appropriate wheel for the task.

Specifications

Model:	GA7020/2
Power Input:	2000 Watts (2200 Watts as per important information)
Voltage:	240V (as per title) / 220V (as per specifications)
No-Load Speed:	8,500 RPM
Wheel Diameter:	180mm
Dimensions (L x W x H):	18.62"L x 7.87"W x 5.51"H
Net Weight:	7.1 ounces (200 Grams)
Power Source:	Corded Electric

Warranty and Support

The Makita GA7020/2 Angle Grinder comes with a **1-year manufacturer warranty**. An additional **2 years of warranty** can be obtained upon product registration within 30 days of purchase. Please retain your proof of purchase for warranty claims.
For technical support, service, or warranty inquiries, please visit the official Makita website or contact their customer service department. You can also visit the Makita Store on Amazon for more information.

Disposal

Do not dispose of electrical appliances as unsorted municipal waste. Use separate collection facilities. Contact your local authority for information regarding the recycling systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

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