Makita GA5030R

Makita GA5030R 720W 240V 125mm Slim Angle Grinder User Manual

Model: GA5030R | Brand: Makita

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita GA5030R 720W 240V 125mm Slim Angle Grinder. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

General Safety Warnings

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure the workpiece is securely clamped before beginning any operation.
- 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.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

2. Product Overview

The Makita GA5030R is a compact and powerful angle grinder designed for various grinding and cutting applications. Its ergonomic design and robust construction ensure reliable performance and durability.

Key Features:

- **Powerful Motor:** Equipped with a 720W motor for high performance.
- **Compact Design:** Small housing for easy handling, ideal for tight spaces.
- **Ergonomic Grip:** Features an ergonomic 20-degree side grip angle for optimal control.
- **Durable Construction:** Machined bevel gears ensure efficient power transmission and extended tool life.
- **Dust Protection:** Spool dust protection enhances the longevity of the tool.
- **Lightweight:** Weighs approximately 2.75 kg for comfortable operation.

Components:



Figure 2.1: Front view of the Makita GA5030R Angle Grinder, showing the main body, grinding disc guard, and side handle. This image highlights the compact design and the ergonomic side handle attachment point.



Figure 2.2: Side profile of the Makita GA5030R Angle Grinder, illustrating its slim body and the placement of the power switch. This view emphasizes the tool's streamlined form factor.



Figure 2.3: Close-up of a Makita grinding disc, displaying its dimensions (125x6x22.2mm, 5" x 1/4" x 7/8") and safety standards (EN 12413). The disc is suitable for metal applications, indicated by the "METAL" icon.

3. Setup

3.1 Attaching the Side Handle

The side handle can be attached to either side of the gear housing for optimal control and comfort, depending on your working position and handedness.

1. Locate the threaded holes on both sides of the gear housing.
2. Screw the side handle firmly into the desired hole. Ensure it is tightened securely before operation.

3.2 Installing/Removing the Grinding Wheel (Disc)

Always ensure the tool is unplugged from the power source before installing or removing the grinding wheel.

1. Press the spindle lock button to prevent the spindle from rotating.
2. Place the inner flange onto the spindle.
3. Mount the grinding wheel onto the inner flange, ensuring it sits flush.
4. Screw the lock nut onto the spindle.
5. Use the lock nut wrench (supplied with the tool) to firmly tighten the lock nut while still holding the spindle lock button.
6. To remove, reverse the steps.

3.3 Adjusting the Wheel Guard

The wheel guard protects against sparks and debris. Adjust its position to ensure maximum protection for your specific application.

1. Loosen the screw on the wheel guard clamp.

2. Rotate the guard to the desired position.
3. Tighten the screw firmly to secure the guard.

4. Operating Instructions

4.1 Powering On/Off

- To turn on the tool, slide the switch forward to the "ON" position.
- To turn off the tool, slide the switch backward to the "OFF" position.

4.2 Grinding Operation

Hold the grinder firmly with both hands. Apply light pressure and move the grinder evenly across the workpiece. Avoid excessive pressure, which can overload the motor and damage the disc.

4.3 Cutting Operation

When cutting, ensure the cutting disc is suitable for the material. Make straight cuts and avoid twisting the disc in the cut, which can cause kickback or disc breakage.
Important: Always allow the tool to reach full speed before contacting the workpiece.

5. Maintenance

5.1 Cleaning

- Regularly clean the ventilation openings of the tool to prevent overheating.
- Use a soft cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Periodically remove the grinding wheel and clean any dust or debris from the spindle and flanges.

5.2 Carbon Brush Replacement (if applicable)

The motor uses carbon brushes which are consumable parts. When they wear down, the motor may spark excessively or lose power. Refer to a qualified service technician for carbon brush inspection and replacement.

5.3 Storage

Store the tool in a dry, secure place out of reach of children. Ensure the tool is clean and free of debris before storage.

6. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Faulty power cord/plug; Defective switch.	Check power outlet and connections; Inspect cord/plug for damage; Contact service center.
Excessive sparking from motor.	Worn carbon brushes; Dirty commutator.	Have carbon brushes inspected/replaced; Clean commutator (by qualified technician).
Tool overheats.	Blocked ventilation openings; Excessive load.	Clean ventilation openings; Reduce pressure during operation.
Grinding disc wobbles or vibrates.	Improperly installed disc; Damaged disc; Worn flanges.	Reinstall disc correctly; Replace damaged disc; Inspect and replace flanges if worn.

For issues not listed above or if solutions do not resolve the problem, please contact Makita authorized service center.

7. Specifications

Attribute	Value
Model Number	GA5030R
Power Source	Corded Electric
Voltage	240 Volts
Wattage	720 Watts
Disc Diameter	125mm (5 inches)
Item Weight	2.77 Kilograms (6.09 pounds)
Product Dimensions	5.51 x 13.58 x 4.72 inches
Material	Metal, Plastic
Color	Turquoise
UPC	088381808552

8. Warranty and Support

Makita products are manufactured under strict quality control and inspection standards. This product is covered by Makita's standard warranty against defects in materials and workmanship. For specific warranty terms and conditions, 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 contact Makita customer service or visit their official website. Always provide the model number (GA5030R) and serial number (if applicable) when seeking support.

Makita Official Website: www.makita.com

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