

defoo GA4034

defoo GA4034 Carbon Brushes Instruction Manual for M-ki-a Angle Grinder

Model: GA4034

INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your defoo GA4034 Carbon Brushes. These carbon brushes are specifically designed as replacement parts for M-ki-a GA4034 Angle Grinders. Adhering to these instructions will ensure optimal performance and extend the lifespan of your power tool.

Please read this manual thoroughly before attempting any installation or maintenance procedures. Keep this manual for future reference.

SAFETY INFORMATION

Always prioritize safety when working with power tools and their components. Failure to follow these safety guidelines may result in injury or damage to equipment.

- **Disconnect Power:** Always ensure the angle grinder is unplugged from the power source before attempting any installation, maintenance, or inspection.
- **Wear Protective Gear:** Use appropriate personal protective equipment (PPE), including safety glasses and gloves, to prevent injury.
- **Use Correct Parts:** Only use carbon brushes specifically designed for your tool model (M-ki-a GA4034) to ensure compatibility and safe operation.
- **Handle with Care:** Carbon brushes are delicate. Avoid dropping or bending them.
- **Professional Assistance:** If you are unsure about any procedure, consult a qualified technician or the tool manufacturer's service center.

INSTALLATION INSTRUCTIONS

Replacing carbon brushes is a common maintenance task for angle grinders. Follow these steps carefully:

1. **Prepare the Tool:** Ensure the M-ki-a GA4034 Angle Grinder is completely disconnected from the power supply. Place the tool on a stable, clean surface.
2. **Locate Brush Caps:** Identify the brush caps on the side of the angle grinder housing. These are typically screw-on caps.
3. **Remove Old Brushes:** Using a screwdriver (if required), carefully unscrew and remove the brush caps. Gently pull out the old carbon brushes and their springs. Note their orientation for correct reinstallation.
4. **Inspect Brush Holders:** Clean any carbon dust or debris from the brush holders using compressed air or a soft brush. Ensure the brush holders are free from obstruction.
5. **Insert New Brushes:** Carefully insert the new defoo GA4034 carbon brushes into the brush holders. Ensure the carbon block slides smoothly and the spring applies even pressure. The wire lead should connect correctly.
6. **Secure Brush Caps:** Replace the brush caps and tighten them securely, but do not overtighten.
7. **Test Operation:** After installation, plug the angle grinder back into the power supply. Briefly run the tool at a low speed to allow the new brushes to seat properly. Observe for any unusual sparks or noises.

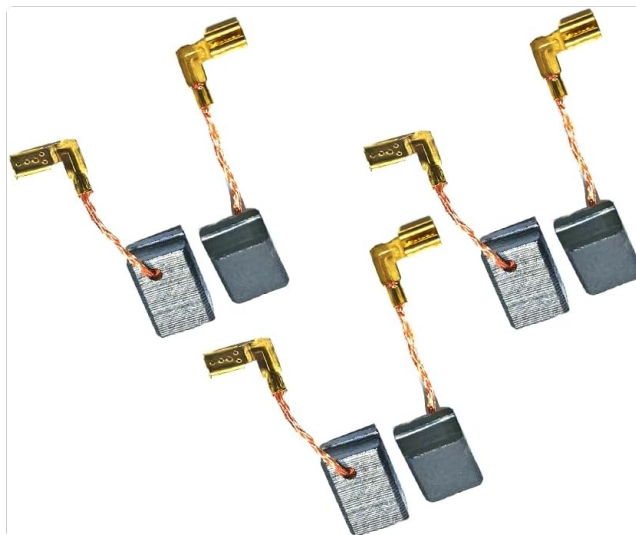


Image: defoo GA4034 Carbon Brushes. These brushes are designed for replacement in M-ki-a GA4034 Angle Grinders. Each brush consists of a carbon block, a copper wire, and a brass terminal.

OPERATION

Once the carbon brushes are correctly installed, the angle grinder can be operated according to its manufacturer's instructions. Carbon brushes are consumable components that facilitate the transfer of electrical current to the motor's commutator, enabling the motor to spin.

During initial use after brush replacement, a slight increase in sparking may be observed. This is normal as the new brushes "seat" or conform to the shape of the commutator. This sparking should reduce over a short period of use.

MAINTENANCE

Regular inspection and timely replacement of carbon brushes are crucial for maintaining the performance and longevity of your angle grinder.

- **Periodic Inspection:** Inspect the carbon brushes every 50-100 hours of operation, or if you notice a decrease in power, excessive sparking, or unusual noises from the motor.
- **Replacement Criteria:** Replace carbon brushes when they are worn down to approximately 1/4 inch (6mm) or less of their original length, or if they appear chipped or damaged.
- **Cleanliness:** Keep the motor's ventilation openings clean and free from dust and debris to ensure proper cooling and prevent premature brush wear.
- **Commutator Condition:** While replacing brushes, inspect the commutator for excessive wear, scoring, or discoloration. A severely damaged commutator may require professional servicing.

TROUBLESHOOTING

This section addresses common issues related to carbon brushes. For other tool-specific problems, refer to your angle grinder's original manual.

Problem	Possible Cause	Solution
Motor not starting or intermittent operation	Worn-out or damaged carbon brushes; brushes not making proper contact.	Inspect and replace carbon brushes. Ensure brushes are correctly seated and caps are tightened.
Excessive sparking at the motor	Worn brushes; dirty or damaged commutator; incorrect brush type.	Replace brushes. Clean commutator. Ensure correct GA4034 brushes are used. If sparking persists, consult a professional.
Reduced power or speed	Worn brushes; weak brush springs.	Replace carbon brushes.
Unusual noise from motor	Brushes not seating correctly; foreign object in motor; worn bearings.	Re-seat brushes. Inspect for debris. If noise persists, professional inspection is recommended.

SPECIFICATIONS

Feature	Detail
Model Number	GA4034
Compatibility	M-ki-a GA4034 Angle Grinder
Quantity	6 Pieces (Set)
Brand	defoo
Item Weight	0.776 ounces (22 Grams)
Package Dimensions	3.54 x 2.36 x 0.39 inches
Power Source	AC (for compatible angle grinder)

Feature	Detail
UPC	797387936441

WARRANTY AND SUPPORT

For specific warranty information regarding your defoo GA4034 Carbon Brushes, please refer to the product packaging or contact the seller directly. As these are replacement parts, their warranty may be subject to the terms and conditions of the original purchase.

For technical support or further assistance, please reach out to the defoo customer service team or your product retailer. Always provide your product model number (GA4034) and purchase details when seeking support.