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Festool 456817

Festool 456817 Brush Replacement Instruction Manual

For Festool CT MINI HG 29 Dust Extractors

INTRODUCTION

This manual provides essential instructions for the proper replacement and maintenance of Festool 456817 brushes, designed for use with Festool CT MINI HG 29 dust extractors. Adhering to these guidelines will help ensure the longevity and optimal performance of your equipment.

PRODUCT OVERVIEW

The Festool 456817 brushes are high-quality, original replacement components critical for the motor function of your Festool CT MINI HG 29 dust extractor. Regular inspection and timely replacement of these brushes are vital for maintaining the efficiency and lifespan of the tool.



This image displays the Festool 456817 replacement brushes, packaged in a clear plastic bag. The bag contains two copper-colored brush components, ready for installation.

SETUP AND INSTALLATION

Before beginning any maintenance or replacement procedure, ensure the dust extractor is unplugged from the power source to prevent accidental startup and potential injury.

1. **Preparation:** Disconnect the dust extractor from the main power supply. Place the unit on a stable, clean surface.
2. **Accessing Brushes:** Refer to your Festool CT MINI HG 29 dust extractor's primary user manual for specific instructions on how to access the motor brush compartments. This typically involves removing a cover or panel.
3. **Removing Old Brushes:** Carefully detach the old brushes from their holders. Note their orientation for correct installation of the new brushes.
4. **Installing New Brushes:** Insert the new Festool 456817 brushes into the brush holders, ensuring they are seated correctly and make proper contact with the commutator. Do not force the brushes into place.
5. **Securing Components:** Reattach any covers or panels that were removed during the process. Ensure all fasteners are tightened securely.
6. **Initial Test:** Plug the dust extractor back into the power source and perform a brief test run to confirm proper operation. Listen for any unusual noises.

OPERATING CONSIDERATIONS

Once the new brushes are installed, the dust extractor is ready for operation. The brushes are designed to wear down over time as they make contact with the motor's commutator. New brushes may require a short 'break-in' period, during which minor sparking might be observed. This is normal and should subside with use.

Consistent performance of your dust extractor relies on the proper function of these brushes. If you notice a significant decrease in motor power or increased sparking, it may indicate that the brushes are nearing the end of their lifespan or require inspection.

MAINTENANCE

Regular maintenance of your dust extractor, including periodic inspection of the motor brushes, is crucial for extending the life of your tool.

- **Inspection Frequency:** Inspect the brushes every 50-100 hours of operation, or if you notice a decline in motor performance.
- **Wear Limit:** Replace brushes when they are worn down to approximately one-third of their original length, or if they appear chipped or damaged. Continuing to operate with excessively worn brushes can cause damage to the motor's commutator.
- **Cleaning:** While inspecting, gently clean any carbon dust buildup from the brush compartments and around the commutator using compressed air or a soft brush. Ensure the power is disconnected before cleaning.

TROUBLESHOOTING

If you encounter issues after replacing the brushes, consider the following:

- **Motor Not Starting:** Ensure the brushes are correctly seated and making full contact. Check all connections. Verify the dust extractor is properly plugged in.
- **Excessive Sparking:** A small amount of sparking is normal for new brushes. If sparking is excessive or persistent after a short break-in period, ensure the brushes are installed correctly and the commutator is clean. Severe sparking may indicate a commutator issue requiring professional service.
- **Reduced Power:** Confirm the brushes are not excessively worn and are making good contact. Check for any obstructions in the dust extractor's airflow system.

If problems persist, consult a qualified service technician or contact Festool customer support.

SPECIFICATIONS

Part Number	456817
Item Model Number	456817
Compatible With	Festool CT MINI HG 29 Dust Extractors
Material	Copper
Item Weight	0.704 ounces
Product Dimensions	4.33 x 2.76 x 0.39 inches

WARRANTY INFORMATION

For specific warranty details regarding Festool products, including replacement parts, please refer to the official Festool warranty documentation provided with your original dust extractor or visit the official Festool website. Keep your purchase receipt as proof of purchase.

SUPPORT

If you require further assistance, technical support, or have questions regarding the Festool 456817 brushes or your

Festool CT MINI HG 29 dust extractor, please contact Festool customer service. Contact information can typically be found on the official Festool website or in your original product documentation.

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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