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› Aexit Carbon Brush Holder Caps Instruction Manual

Aexit modle

Aexit Carbon Brush Holder Caps Instruction Manual

Model: modle

1. INTRODUCTION

This manual provides essential information for the proper use, installation, and maintenance of the Aexit Black Plastic Electrical Screw Carbon Brush Holder Caps. These components are designed as replacement parts for various electric motors.



Figure 1: Aexit Carbon Brush Holder Caps (20 Pcs)

This image displays a collection of the black plastic carbon brush holder caps. Each cap features external screw threads for secure fitting and a slotted top for easy installation or removal with a flathead screwdriver. The caps are designed to house carbon brushes within electric motors.

2. PRODUCT FEATURES

The Aexit Carbon Brush Holder Caps offer the following key features:

- **Product Name:** Carbon Brush Holder Cap
- **Features:** Screw Thread with Slotted Connector

- **Diameter:** 12mm (0.47")
- **Height:** 6mm (0.24")
- **Material:** Durable Plastic
- **Color:** Black
- **Weight:** 16g (total for package)
- **Package Content:** 20 x Carbon Brush Holder Caps

3. SETUP AND INSTALLATION

These carbon brush holder caps are replacement parts for electric motors. Proper installation is crucial for motor functionality and safety. Always ensure the motor is disconnected from power before beginning any installation or maintenance.

1. **Safety First:** Disconnect the electric motor from all power sources. Ensure there is no residual charge.
2. **Access Brush Holders:** Locate the existing carbon brush holder caps on your electric motor. These are typically found on the motor housing where the carbon brushes are inserted.
3. **Remove Old Caps:** Using an appropriate flathead screwdriver, carefully unscrew and remove the old carbon brush holder caps. Note the orientation and position of the carbon brushes and springs inside.
4. **Inspect Brushes:** If replacing the caps due to wear or damage, inspect the carbon brushes themselves. Replace them if they are worn down or damaged.
5. **Insert New Caps:** Place the carbon brush (and spring, if applicable) into its housing. Align the new Aexit carbon brush holder cap with the threaded opening.
6. **Secure Caps:** Gently screw the new cap into place using a flathead screwdriver. Do not overtighten, as this can damage the plastic threads or the motor housing. Tighten until snug.
7. **Verify Fit:** Ensure the cap is securely seated and flush with the motor housing.

Note: If you are unsure about the installation process, consult a qualified technician or refer to your specific motor's service manual.

4. OPERATING CONSIDERATIONS

Once the carbon brush holder caps are correctly installed, the electric motor can be operated as normal. These caps are passive components designed to secure the carbon brushes in place, allowing for proper electrical contact with the motor's commutator.

- Ensure all connections are secure before re-applying power to the motor.
- Listen for any unusual noises or observe any excessive sparking from the motor, which could indicate an issue with the brushes or their seating.

5. MAINTENANCE

Regular maintenance of carbon brushes and their holders is essential for the longevity and efficiency of electric motors. While the plastic caps themselves require minimal maintenance, they are integral to the brush system.

- **Periodic Inspection:** Periodically inspect the carbon brush holder caps for signs of wear, cracking, or damage. Replace any damaged caps immediately.
- **Brush Replacement:** Carbon brushes wear down over time. The caps facilitate easy access for brush inspection

and replacement. Refer to your motor's specific maintenance schedule for brush replacement intervals.

- **Cleaning:** Keep the area around the brush holders clean and free of dust and debris, which can interfere with brush operation.

6. TROUBLESHOOTING

Issues related to carbon brush holder caps typically stem from improper installation or physical damage. If your motor is experiencing problems after cap replacement, consider the following:

Problem	Possible Cause	Solution
Motor not starting or intermittent operation	Caps not fully tightened; carbon brushes not making proper contact; incorrect brush size/type; damaged brushes.	Ensure caps are snug. Re-check brush seating. Verify correct brush type and condition.
Excessive sparking at commutator	Worn brushes; dirty commutator; improper brush spring tension (not related to cap directly, but cap holds brush).	Inspect and replace brushes if worn. Clean commutator. Ensure brushes move freely within their housing.
Cap feels loose or falls out	Cross-threaded during installation; damaged threads on cap or motor housing.	Carefully re-thread the cap. If threads are damaged, the cap or motor housing may need replacement.

For persistent issues, it is recommended to consult a professional motor repair technician.

7. SPECIFICATIONS

Attribute	Value
Product Name	Carbon Brush Holder Cap
Features	Screw Thread with Slotted Connector
Diameter	12mm / 0.47"
Height	6mm / 0.24"
Material	Plastic
Color	Black
Weight (per 20 Pcs)	16g
Package Content	20 x Carbon Brush Holder Caps
Manufacturer	Aexit
Model Number	modle

8. WARRANTY INFORMATION

Specific warranty details for this product are not provided in the available information. For warranty inquiries, please

contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.

Return Policy: The product is subject to a 30-day refund/replacement return policy from the date of purchase, as per standard Amazon policy for this item.

9. CUSTOMER SUPPORT

For further assistance or technical support regarding Aexit products, please contact the seller through the platform where the purchase was made. You may also visit the Aexit brand page for more information.

Seller: [Aexit](#) (Seller ID: [A36IYZXRPHYKF1](#))

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Name

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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