

Buildalot ca-15-18089

Instruction Manual

BUILDALOT SPECIALTY CARBON BRUSHES

Model: ca-15-18089

1. INTRODUCTION

Thank you for choosing Buildalot Specialty Carbon Brushes ca-15-18089. This manual provides essential information for the safe and correct installation, operation, and maintenance of your new carbon brushes. These brushes are designed as replacement parts for Metabo Saw KS 1155S and are compatible with original parts 34301071 and 343010710.

2. SAFETY INFORMATION

Always read and understand all safety warnings before installation or use.

- **Choking Hazard:** This product contains small parts and is not suitable for children under 3 years of age.
- **Power Disconnection:** Always disconnect the power tool from the main power supply before attempting to replace the carbon brushes. Failure to do so can result in electric shock or injury.
- **Correct Replacement:** Ensure that the replacement carbon brushes have the same arrangement and dimensions as the original brushes. Using incorrect brushes can damage the tool or lead to unsafe operation.
- **Post-Installation Check:** After reassembling the device, verify that it functions correctly and without excessive sparking. Excessive sparking indicates a potential issue that needs immediate attention.



Image 1: Product packaging label with manufacturer details and safety warnings. The label indicates a choking hazard due to small parts, advises disconnecting power before replacement, and emphasizes checking for correct installation and absence of excessive sparking.

3. PRODUCT OVERVIEW

The Buildalot Specialty Carbon Brushes ca-15-18089 are high-quality replacement components designed to restore optimal performance to your power tool. Each brush features an automatic stop mechanism, which helps prevent damage to the motor by stopping the tool when the brush is worn out. They come with pre-attached cables and springs for ease of installation.



Image 2: A pair of Buildalot carbon brushes, featuring their rectangular carbon blocks, braided copper wires, and metal spade terminals. These brushes are designed for power tools.



Image 3: A different angle of the carbon brushes, highlighting their compact size and the connection points for electrical current. The design includes an automatic stop feature.

4. SPECIFICATIONS

Feature	Detail
Model Number	ca-15-18089
Dimensions	0.25 x 0.49 x 0.71 inches (approximately 6.35 x 12.45 x 18.03 mm)
Compatibility	Metabo Saw KS 1155S
Replaces Original Parts	34301071, 343010710
Features	Automatic Stop, Cable, Spring
Quantity	2 per package

5. SETUP AND INSTALLATION

Replacing carbon brushes requires careful attention to detail. If you are unsure about any step, consult a qualified technician.

- 1. Prepare the Tool:** Ensure the Metabo Saw KS 1155S is completely disconnected from the power supply.
- 2. Access Brushes:** Locate the brush caps or access panels on your saw. These are typically found on the sides of the motor housing. You may need a screwdriver to remove them.
- 3. Remove Old Brushes:** Carefully remove the old carbon brushes. Note their orientation and how they are seated within the brush holders. Disconnect the old brushes from their terminals.
- 4. Install New Brushes:** Connect the new Buildalot ca-15-18089 carbon brushes to the terminals,

ensuring a secure connection. Insert the new brushes into the brush holders, making sure they are oriented correctly and seated properly. The springs should apply gentle pressure to the brushes.

5. **Reassemble:** Replace the brush caps or access panels securely.
6. **Test:** Reconnect the saw to the power supply. Briefly operate the tool to ensure it functions smoothly and without excessive sparking. If sparking occurs, immediately disconnect power and re-check the installation.

6. OPERATING INSTRUCTIONS

Once the Buildalot carbon brushes are correctly installed, your Metabo Saw KS 1155S should operate as intended. The carbon brushes are consumable parts that conduct electricity to the motor's commutator. Their proper function is crucial for the tool's performance. The integrated automatic stop feature will halt the tool's operation when the brushes are sufficiently worn, preventing potential motor damage.

7. MAINTENANCE

Carbon brushes are wear-and-tear parts and will eventually need replacement. The automatic stop feature of these brushes is a key maintenance indicator. When the tool stops operating due to worn brushes, it is time to replace them. Regular inspection of the brushes (e.g., every few months, depending on usage) can help anticipate replacement needs. Always ensure the tool is disconnected from power before any inspection.

8. TROUBLESHOOTING

- **Tool Not Starting:** If the tool does not start, first check the power supply. If power is present, the carbon brushes may be fully worn, triggering the automatic stop feature. Replace the brushes.
- **Excessive Sparking:** If you observe excessive sparking from the motor, immediately stop the tool and disconnect power. This could indicate improperly seated brushes, incorrect brush type, or a commutator issue. Re-check brush installation or consult a professional.
- **Reduced Power/Intermittent Operation:** This can be a sign of partially worn brushes or poor contact. Inspect and replace brushes if necessary.

9. WARRANTY INFORMATION

Specific warranty details for Buildalot products may vary. For information regarding warranty coverage, terms, and conditions for your Buildalot Specialty Carbon Brushes ca-15-18089, please refer to the product packaging or contact Buildalot customer support directly.

10. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your Buildalot carbon brushes, please contact the manufacturer:

Buildalot BV

Franciscusweg 10-A8

1216 SK HILVERSUM

Netherlands

Email: info@buildalot.nl

