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> Ryobi Carbon Brushes 02 070 5 x 8 x 11 – E29 Instruction Manual

BARGAINWORLDDUK 02 070, E29

Ryobi Compatible Carbon Brushes Instruction Manual

Model: 02 070, E29

Dimensions: 5 x 8 x 11/12 mm

PRODUCT OVERVIEW

This manual provides instructions for the installation and maintenance of replacement carbon brushes, compatible with various Ryobi power tools and other electric tools. These are high-quality non-OEM replacement parts designed to restore optimal performance to your equipment.

Note:

While these brushes are compatible with Ryobi tools, they are manufactured by BARGAINWORLDDUK as high-quality aftermarket parts.



Image: A pair of carbon brushes, each with a rectangular carbon block, a coiled spring, and a copper wire connection. These are replacement parts for electric motors.



Image: Two carbon brushes shown with text overlays indicating dimensions: 5mm (width) and 8mm (thickness). The length is implied to be 11mm or 12mm based on the product description.

SAFETY INSTRUCTIONS

- Always wear protective eyewear and gloves when handling or installing carbon brushes.
- Ensure the power tool is disconnected from the power source before attempting any installation or maintenance.
- Keep children away from the work area.
- Ensure the commutator (the part of the motor that the brushes contact) is clean and not abrasive to prevent premature wear of the new brushes.
- The manufacturer is not liable for any damage or injury resulting from improper use or installation.

PRODUCT SPECIFICATIONS

Feature	Detail
Type	Replacement Carbon Brushes
Dimensions	5mm x 8mm x 11/12mm
Part Numbers	02 070, E29
Compatible Tool Types	Ryobi circular saws and other electric tools
Compatible Models (Partial List)	BL-110, D-300, D-660, D-680, D-1010, D-1015A, D-1400N, D-1900, DD-65, DD-100, E-3700A, E-3500, E-3501, G-1000, G-1150, G-108, G-105A, HI-82, HL-82, HL-82N, J-100, J-101, LD-10, LD-65, L-120N, L-150N, PD-1410R, PD-1410VR, PD-6410AF, PD-1920, PD-1920V, PD-1410AVR, P-200N, SG-1000, SG-1150, SPE-2000, TR-30, TR-30P, TR-34N, W-5502
Material	Carbon
Manufacturer	BARGAINWORLDUK (Non-OEM)

INSTALLATION GUIDE

Replacing carbon brushes typically involves these general steps. Always refer to your specific power tool's service manual for detailed instructions, as procedures may vary.

- 1. Disconnect Power:** Ensure the tool is unplugged from the power source to prevent accidental startup.
- 2. Locate Brush Caps:** Identify the brush caps on the motor housing. These are usually plastic or metal caps that can be unscrewed.
- 3. Remove Old Brushes:** Carefully unscrew the brush caps. The old carbon brushes, along with their springs, will be inside. Note their orientation.
- 4. Inspect Commutator:** Before installing new brushes, inspect the commutator (the copper segments on the motor's armature). It should be clean and smooth. If it's grooved, pitted, or very dirty, it may need cleaning or servicing by a professional.
- 5. Insert New Brushes:** Insert the new carbon brushes into the brush holders, ensuring they are oriented correctly and the springs apply even pressure.
- 6. Secure Brush Caps:** Screw the brush caps back into place, ensuring they are snug but not overtightened.
- 7. Test Tool:** Plug in the tool and briefly test its operation. New brushes may require a short "break-in" period where they seat properly against the commutator.

MAINTENANCE

Carbon brushes are wear items and will naturally diminish over time. Regular inspection can prolong the life of your tool.

- Regular Inspection:** Periodically check the carbon brushes for wear. Replace them when they are worn

down to approximately one-quarter of their original length or if they show signs of chipping or cracking.

- **Commutator Cleanliness:** Keep the commutator clean. Dust and debris can accumulate and cause premature brush wear or poor electrical contact.
- **Proper Storage:** Store power tools in a clean, dry environment to prevent corrosion and damage to internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool not starting or intermittent operation	Worn or stuck carbon brushes	Inspect and replace carbon brushes. Ensure brushes move freely in their holders.
Excessive sparking at the motor	Worn brushes, dirty commutator, or incorrect brush type	Replace brushes. Clean commutator. Ensure correct brush dimensions.
Reduced power or speed	Worn brushes or poor electrical contact	Replace brushes. Check connections.
Burning smell	Overloaded motor, severely worn brushes, or commutator damage	Discontinue use immediately. Inspect brushes and commutator. Seek professional repair if necessary.

WARRANTY AND SUPPORT

BARGAINWORLDUK offers a 30-day return policy for a full refund or free exchange from the date of purchase.

For any questions or support regarding this product, please contact your retailer or the manufacturer directly. Please refer to the product's ASIN (B009AW27KK) when inquiring.