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Generisch KB-116-1120/70

Generisch Carbon Brush Instruction Manual for Bosch GBH 5-40 DE Hammer Drill

1. Product Overview

These Generisch carbon brushes are designed as high-quality replacement parts for the Bosch GBH 5-40 DE hammer drill (model 0611241708). They are engineered for high durability, low spark formation, and resistance to wear, ensuring reliable performance for your power tool. Each package contains two carbon brushes (one pair).
Key features include a perfect fit for the specified models, OEM quality standards, high stability, and low sparking during operation. The brushes are equipped with a self-closing sleeve for proper function.

2. Specifications

Feature	Detail
Brand	Generisch
Model Number	KB-116-1120/70
Compatibility	Bosch GBH 5-40 DE Hammer Drill (0611241708)
Dimensions (Width x Length x Height)	Approximately 6.1 mm x 12.2 mm x 22.5 mm
Function	Self-closing sleeve
Quantity	2 units (1 pair)
Material	Carbon



Figure 1: Carbon brush with indicated dimensions. B: 12.2 mm, H: 6.1 mm, L: 22.5 mm.

3. Setup and Installation

Replacing carbon brushes requires careful handling and adherence to safety procedures. Always ensure the power tool is disconnected from the power source before beginning any maintenance or installation.

1. **Safety First:** Disconnect the Bosch GBH 5-40 DE hammer drill from the main power supply to prevent accidental startup.
2. **Locate Brush Holders:** Identify the carbon brush access points on your hammer drill. These are typically secured by caps or screws. Consult your original Bosch hammer drill manual for precise locations if unsure.
3. **Remove Old Brushes:** Carefully unscrew or unclip the brush holder caps. Extract the old, worn carbon brushes and their springs. Note their orientation for correct installation of the new brushes.
4. **Inspect Commutator:** While the brushes are out, inspect the commutator (the copper segments on the motor armature). It should be clean and smooth. If it's excessively grooved or dirty, professional servicing may be required.
5. **Install New Brushes:** Insert the new Generisch carbon brushes into the brush holders, ensuring they slide freely and make proper contact with the commutator. The self-closing sleeve should function correctly. Ensure the spring applies adequate pressure to the brush.
6. **Secure Brush Holders:** Reattach and tighten the brush holder caps or screws. Do not overtighten.
7. **Test Operation:** Reconnect the hammer drill to the power supply. Perform a brief test run at a low speed to ensure the brushes seat properly and the motor operates smoothly without excessive sparking.

Note: *If you are unfamiliar with power tool maintenance, it is recommended to seek assistance from a qualified technician.*

4. Operating Considerations

After installing new carbon brushes, allow for a short "break-in" period. During this time, operate the hammer drill under light load for a few minutes. This allows the brushes to conform to the shape of the commutator, optimizing contact and

extending brush life. Avoid heavy-duty tasks immediately after installation.

5. Maintenance

Regular inspection of carbon brushes is crucial for maintaining the performance and longevity of your Bosch GBH 5-40 DE hammer drill.

- **Periodic Checks:** Depending on usage frequency, inspect the carbon brushes every few months. Look for signs of wear, such as excessive shortening, chipping, or uneven wear patterns.
- **Cleanliness:** Ensure the brush holders and commutator remain free from dust and debris. Accumulated carbon dust can lead to poor contact and increased sparking.
- **Replacement:** Replace carbon brushes when they are worn down to approximately one-third of their original length or if they show signs of damage. Always replace both brushes as a pair to ensure balanced motor operation.

6. Troubleshooting

If your hammer drill exhibits issues after carbon brush replacement, consider the following:

- **Excessive Sparking:** This could indicate improper seating of the brushes, a dirty or damaged commutator, or incorrect brush installation. Recheck brush orientation and commutator condition.
- **Motor Not Starting:** Ensure the brushes are fully inserted and making contact. Check that the brush holder caps are securely fastened. Verify the tool is connected to power.
- **Reduced Power:** Worn brushes, even if not completely depleted, can lead to reduced motor efficiency. Ensure new brushes are installed correctly.
- **Unusual Noise:** A rattling or grinding noise might suggest incorrect brush placement or a damaged commutator. Discontinue use and inspect.

If problems persist, consult a qualified power tool repair specialist.

7. Warranty and Support

Specific warranty details for this product are not provided within the available information. For any warranty claims, technical support, or further assistance, please contact the seller directly through your purchase platform. Ensure you have your purchase details readily available.

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