

BRANDT 018667-15

Instruction Manual for Brandt Washing Machine Motor Carbon Brushes

Model: 018667-15

1. INTRODUCTION

This manual provides essential information for the installation, maintenance, and troubleshooting of the Brandt washing machine motor carbon brushes, model 018667-15. Carbon brushes are critical components in universal motors found in many washing machines, responsible for transferring electrical current to the rotating armature. Over time, these brushes wear down and require replacement to ensure proper motor function.



Figure 1: Overview of the Brandt washing machine motor carbon brush set, including two brushes and mounting screws.

2. COMPATIBILITY

These carbon brushes are designed to be compatible with a range of washing machine models from various brands. It is crucial to verify compatibility with your specific appliance model before purchase and installation. If unsure, consult the product description or contact customer service.

Compatible Brands:

- VEDETTE
- BRANDT
- PROLINE
- THOMSON
- FAGOR
- FAR

Examples of Compatible Models (not exhaustive):

- **VEDETTE:** WFH1161F, PREMIA, WTM103, MALICE, WTE1272K, WTC0939F, WTC1014FD, WTC1181, 855TVA, VB830T, 802CV, BIO70, WFH1272F, TSA83B, BB40TS81, WTC1284F, WTC6267F, WFH1271F, WFH1472F, 633CR, 802CVDDF, FB165T, LC850, WTM1031F, F160TD/DF, 855TVADDF, TSA83, VG802TDDF, MAX14D8SF, WTC12884F-E/E, WTC1033F-F/F, LSV20C, VLF8126, VLF2115, VLF7125, VLT2100, VLF510, VLF506, FL6129, EG7595, VLT4085FE, 1086VE, 7576N, 8689, EG8003, 853VE, 90003.AC, EG80083, EG7211, VLT2090, EG2001, EG1082E/EF, VED1045FE, EG1091, VED1245D, VLT4133, VLF8127B, EG8310
- **PROLINE:** LL1020V
- **THOMSON:** TES1132, L56B1, FA1300, THD1255, TE1152, AC1002, AC11SP, AP851, L600T, TES1331, THA1655, EXCEL1000, L81DP, L83DA, L83V, AJ800TD/DF, EXCEL 800
- **FAGOR:** FF5010, LD832, FF-6012
- **FAR:** L8400

Note: This list is not exhaustive. Always cross-reference with your appliance's model number.

3. SPECIFICATIONS

| Attribute | Value |
|-----------------------------------|---------------------------------|
| Product Type | Motor Carbon Brushes (Set of 2) |
| Brand | BRANDT |
| Model Number (Item) | 018667-15 |
| Equivalent Manufacturer Reference | 2616688 |
| Material | Graphite |
| Brush Thickness | 5 mm |
| Brush Width | 12.5 mm |
| Brush Length | 23 mm |
| Support | Yes |
| Connection Type | 4.8 mm AMP |
| Suitable for Motor Type | Selni |

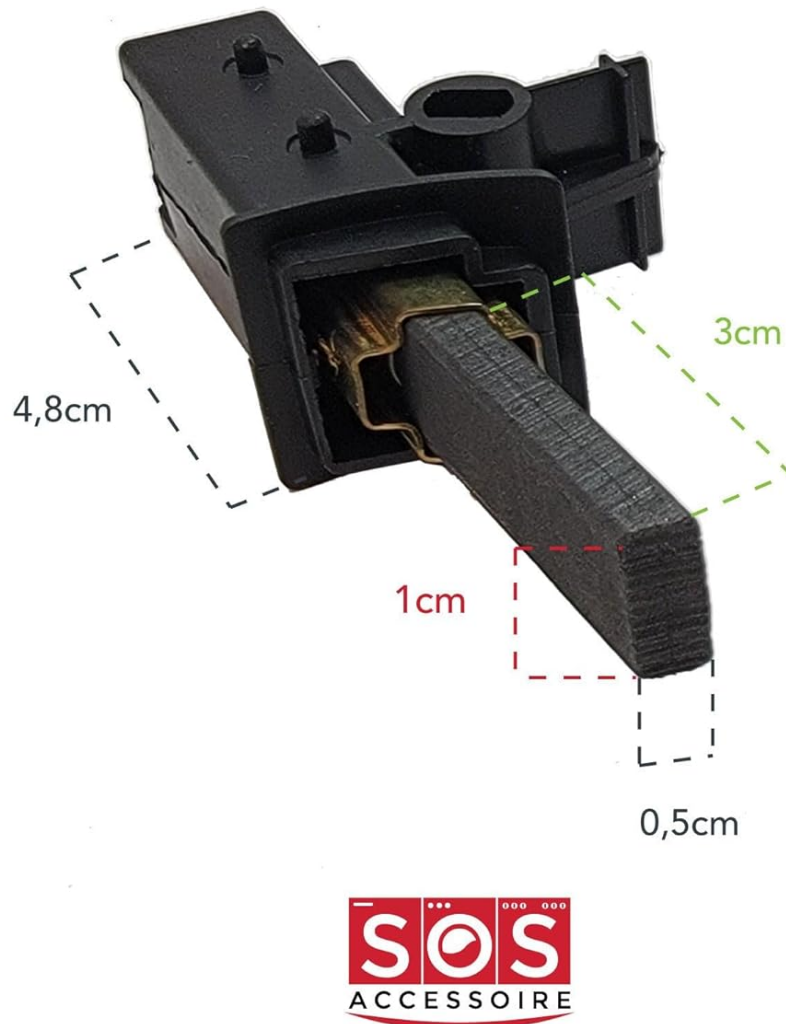


Figure 2: Dimensional diagram of a single carbon brush, showing key measurements for verification.

4. SETUP AND INSTALLATION

Safety Warning: Always unplug the washing machine from the power outlet before attempting any repair or installation. Failure to do so can result in electric shock or serious injury.

Replacing carbon brushes typically involves accessing the washing machine's motor. The exact procedure may vary depending on your washing machine model. It is recommended to consult your appliance's specific service manual or a qualified technician if you are unsure about the process.

1. **Disconnect Power:** Ensure the washing machine is completely unplugged from the mains electricity supply.
2. **Access Motor:** Depending on the model, you may need to remove the back panel, front panel, or tilt the machine to access the motor.
3. **Locate Brushes:** The carbon brushes are usually located on either side of the motor, often held in place by a plastic housing or screws.
4. **Remove Old Brushes:** Carefully disconnect any wires attached to the brush holders. Unscrew or unclip the old

carbon brushes from their housings. Note their orientation.

5. **Clean Commutator (Optional but Recommended):** If accessible, gently clean the copper commutator on the motor armature with a fine-grade sandpaper or commutator stone to remove any carbon residue.
6. **Install New Brushes:** Insert the new carbon brushes into their housings, ensuring they are oriented correctly. They should slide in smoothly. Secure them with the provided screws or clips.
7. **Reconnect Wires:** Reattach any wires that were disconnected.
8. **Reassemble:** Reassemble the washing machine panels.
9. **Test:** Plug the washing machine back in and perform a short test cycle to ensure proper operation.



Figure 3: Illustrative image showing the general placement of carbon brushes in relation to a washing machine motor.

5. OPERATING PRINCIPLES

Once correctly installed, the new carbon brushes will make proper contact with the motor's commutator. This contact allows electrical current to flow to the motor's armature windings, creating a magnetic field that interacts with the stator's

magnetic field, causing the motor to rotate. The brushes are designed to wear down gradually over time, providing consistent electrical contact.

6. MAINTENANCE

Carbon brushes are wear-and-tear components and do not require routine maintenance beyond eventual replacement. Their lifespan depends on usage frequency and motor design. It is advisable to inspect them periodically (e.g., every few years or if motor performance degrades) to check for wear. Replace them when they are significantly shortened (typically less than 1 cm in length) or if they show signs of chipping or uneven wear.

7. TROUBLESHOOTING

If your washing machine motor is experiencing issues, worn carbon brushes are a common culprit. Here are some symptoms and potential solutions:

| Symptom | Possible Cause (Carbon Brushes) | Solution |
|---|--|---|
| Motor not spinning or spinning intermittently | Severely worn or stuck carbon brushes, poor contact with commutator. | Inspect and replace carbon brushes. Ensure they move freely in their housings. |
| Excessive sparking from motor area | Worn brushes, uneven brush wear, or dirty/damaged commutator. | Replace brushes. Clean commutator if necessary. If sparking persists, consult a technician. |
| Burning smell from motor | Overheating due to poor brush contact or excessive sparking. | Immediately unplug the machine. Inspect and replace brushes. Check for other motor damage. |
| Loud grinding or squealing noise from motor | Brushes worn down to the spring, or foreign object interference. | Replace brushes. Check for any obstructions around the motor. |

Note: These are common issues related to carbon brushes. Other motor or appliance problems may exist. If troubleshooting does not resolve the issue, professional assistance may be required.

8. SUPPORT AND CONTACT

For further assistance, compatibility inquiries, or technical support regarding this product, please contact the seller or manufacturer.

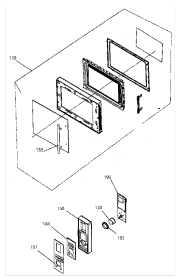


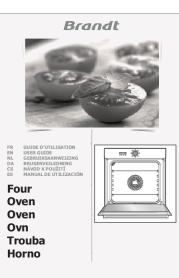
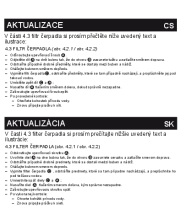

Seller Information:

SOS-Accessoire

Specialist in household appliance parts since 1984.

You can typically find contact information for the seller on the platform where you purchased the product or by visiting their official website.

Related Documents - 018667-15

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|---|--|
|  | <p>Brandt GE2622W Microwave Oven Exploded Parts Diagram</p> <p>Detailed exploded view parts diagram for the Brandt GE2622W microwave oven, listing all components and their identification numbers for service and repair.</p> |
|  | <p>Brandt Automatic Washing Machine BT16524QN User Manual</p> <p>This manual provides detailed instructions for the installation, operation, and maintenance of the Brandt BT16524QN automatic washing machine. It covers safety precautions, program selection, troubleshooting, and energy efficiency information.</p> |
|  | <p>Brandt BT57028QA 7KG Top Load Washing Machine Specifications</p> <p>Detailed specifications and technical information for the Brandt BT57028QA 7KG Top Load Washing Machine, including features, connections, and dimensions.</p> |
|  | <p>Guide d'Utilisation Four Brandt : Installation, Fonctionnement et Entretien</p> <p>Ce manuel d'utilisation détaillé pour les fours Brandt couvre l'installation, les modes de cuisson, les fonctions de sécurité, le nettoyage et l'entretien. Découvrez comment utiliser votre four Brandt de manière optimale.</p> |
|  | <p>How to Clean Your Washing Machine's Pump Filter</p> <p>A guide on how to clean the pump filter of a washing machine, with instructions provided in English, Czech, Slovak, and Polish.</p> |
|  | <p>Adjusting Water Hardness Setting on Washing Machine</p> <p>Instructions for adjusting the water hardness setting on a washing machine, with steps provided in Czech, Slovak, Polish, and English. Includes guidance on detergent dosage based on water hardness.</p> |