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› Tooldaddy Carbon Brushes Instruction Manual for Miele Washing Machines W 1714, W 1716, W 1916

## Tooldaddy KL-11-5913-0524-12-42/6

# Tooldaddy Carbon Brushes Instruction Manual for Miele Washing Machines W 1714, W 1716, W 1916

**Brand:** Tooldaddy | **Model:** KL-11-5913-0524-12-42/6

## 1. PRODUCT OVERVIEW

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This manual provides instructions for the installation and maintenance of Tooldaddy replacement carbon brushes for specific Miele washing machine models. Carbon brushes are essential components in the electric motor of your washing machine, facilitating the transfer of electrical current to the rotating parts. Over time, these brushes wear down, leading to various performance issues.

Replacing worn carbon brushes can restore optimal functionality to your appliance, preventing issues such as power loss, erratic operation, excessive sparking, unusual noises, or complete motor failure.

## 2. COMPATIBILITY

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These carbon brushes are 100% compatible with the following Miele washing machine models:

- Miele W 1714
- Miele W 1714 Special S
- Miele W 1716
- Miele W 1716 Gala Grande W 1000
- Miele W 1916
- Miele W 1916 Primavera Plus

Please verify your washing machine's model number before proceeding with the replacement.

## 3. PRODUCT FEATURES AND SPECIFICATIONS

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*Image: A pair of Tooldaddy replacement carbon brushes, showing their rectangular shape and attached connectors.*

These carbon brushes are designed for exceptional durability and minimal spark formation, ensuring safe and efficient operation of your appliance.

- **Dimensions:** Approximately 5 x 15 x 29.5 mm (width x length x height)
- **Version:** With 24 mm holder, 4.8 mm connection flag
- **Contents:** 2 pieces (1 pair)
- **Reference Number:** KL-11-5913-0524-12-42/6
- **Weight:** 20 grams

#### 4. INSTALLATION INSTRUCTIONS

**Safety Warning: Always disconnect your washing machine from the power supply before attempting any repairs or maintenance. Failure to do so can result in electric shock or serious injury. If you are unsure about any step, consult a qualified technician.**

##### Tools You May Need:

- Screwdrivers (Phillips and flathead)
- Wrenches or sockets (if applicable for motor access)
- Pliers

- Work gloves

### Step-by-Step Replacement Guide:

1. **Disconnect Power:** Unplug the washing machine from the wall outlet. Turn off the water supply to the machine.
2. **Access the Motor:** Depending on your Miele model, you may need to remove the back panel or tilt the machine to access the motor. Refer to your washing machine's specific service manual for precise access instructions.
3. **Locate Carbon Brushes:** The carbon brushes are typically located on either side of the motor, often housed in plastic or metal holders. They are usually secured with screws or clips.
4. **Remove Old Brushes:** Carefully disconnect any electrical connectors attached to the brush holders. Unscrew or unclip the old carbon brush holders and pull them out. Note the orientation of the old brushes for correct installation of the new ones.
5. **Install New Brushes:** Insert the new Tooldaddy carbon brushes into their holders, ensuring they are correctly seated. Reconnect any electrical connectors. Secure the brush holders back into position with screws or clips. Ensure the brushes slide freely within their holders.
6. **Reassemble:** Reattach any panels or covers that were removed to access the motor. Ensure all screws are tightened securely.
7. **Test the Machine:** Plug the washing machine back into the power outlet and turn on the water supply. Run a short wash cycle to ensure the motor operates smoothly and without unusual noises or excessive sparking.

If you encounter any difficulties or are unsure about the procedure, it is recommended to seek professional assistance.

## 5. MAINTENANCE AND CARE

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Carbon brushes are wear-and-tear parts and do not require regular user maintenance beyond replacement when worn. However, you can extend the life of your washing machine motor by:

- Avoiding consistent overloading of the washing machine.
- Ensuring the machine is level to prevent excessive motor strain.
- Addressing any unusual motor noises promptly, as they can indicate brush wear or other motor issues.

Regular inspection by a qualified technician during appliance servicing can help identify worn brushes before they cause significant problems.

## 6. TROUBLESHOOTING

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If your washing machine exhibits any of the following symptoms, worn carbon brushes may be the cause:

- **Loss of Power:** The drum spins weakly or not at all.
- **Erratic Operation:** The motor starts and stops intermittently, or the spin cycle is inconsistent.
- **Excessive Sparking:** Visible sparks emanating from the motor area during operation.
- **Unusual Noises:** Grinding, buzzing, or screeching sounds coming from the motor.
- **Complete Motor Failure:** The washing machine does not start or operate at all.

If you experience these issues, inspect the carbon brushes. If they are significantly shortened (less than 1-2

cm in length) or damaged, replacement is necessary.

## **7. SUPPORT AND CONTACT**

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If you have questions regarding the compatibility of these carbon brushes with your specific Miele washing machine model, or if you require further assistance with installation, please contact the seller or a qualified appliance technician.

The seller can provide additional guidance and support to ensure correct part selection and installation.

## **8. LEGAL DISCLAIMER**

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This product consists of replacement carbon brushes from the accessory range. All part numbers, company names, and brand names mentioned in this manual are used solely for precise identification purposes and are the property of their respective manufacturers. This product is not manufactured by Miele.