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TOOLCRAFT TO-5864070

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Instruction Manual

INTRODUCTION

The TOOLCRAFT TO-5864070 Fiberglass Cleaning Pen is a versatile and durable tool designed for precision cleaning and surface treatment tasks. This pen is ideal for delicate work on various materials, offering effective removal of contaminants and surface imperfections.



Image: The TOOLCRAFT TO-5864070 Fiberglass Cleaning Pen, red with a silver tip and black cap.

Key Features:

- **Precision Cleaning:** Excellent for fine cleaning and sanding on sensitive components like circuit boards and other metals.
- **Versatile Application:** Effectively corrects tick inks and other inks, and removes rust and oxidation residues.
- **Multi-purpose Tool:** Can be used as a correction pen for printing plates, and for general metal cleaning, erasing, polishing, meshing, blurring, and deburring.
- **Durable Design:** Constructed for robust and long-lasting performance.

SETUP

Before using your TOOLCRAFT Fiberglass Cleaning Pen, ensure it is properly assembled and ready for operation. The pen comes with fiberglass refills that may need to be inserted or adjusted.

1. **Unpack the Pen:** Carefully remove the cleaning pen and any included refills from its packaging.
2. **Inspect the Tip:** Check if a fiberglass refill is already installed. If not, or if you need to replace an existing one, proceed to the next step.

3. Insert/Replace Refill:

- Unscrew the metal tip of the pen.
- Carefully insert a new fiberglass refill into the pen body, ensuring the brass end goes in first.
- Screw the metal tip back onto the pen body until secure. Do not overtighten.



Image: A close-up view demonstrating how to unscrew the pen tip and insert a fiberglass refill.



Image: The TOOLCRAFT Fiberglass Cleaning Pen displayed alongside a set of twelve fiberglass refills.

OPERATING INSTRUCTIONS

The TOOLCRAFT Fiberglass Cleaning Pen is designed for precise and controlled abrasive cleaning. Always use appropriate personal protective equipment, such as safety glasses, when operating this tool, as fiberglass particles can be released.

1. **Prepare the Work Area:** Ensure your work surface is clean and well-lit. Protect surrounding areas from potential debris.
2. **Adjust Fiberglass Length:** The length of the exposed fiberglass tip can be adjusted by twisting the pen body or the tip. A shorter, stiffer tip provides more aggressive cleaning, while a longer, more flexible tip is suitable for lighter tasks.
3. **Apply Gentle Pressure:** Hold the pen like a regular writing instrument. Apply light, consistent pressure to the surface you are cleaning. Avoid excessive force, which can damage the surface or the fiberglass tip.
4. **Use a Circular or Linear Motion:** Depending on the task, use small circular motions or gentle linear strokes to remove rust, oxidation, dirt, or ink.
5. **Check Progress:** Periodically lift the pen to inspect the cleaned area. Repeat the process as needed until the desired result is achieved.

6. **Clean Up:** After use, carefully brush away any fiberglass dust or debris from the work area. Use a vacuum cleaner with a HEPA filter if possible. Avoid direct contact with fiberglass dust.

Specific Applications:

- **Circuit Board Cleaning:** Gently rub over oxidized contacts or solder pads to restore conductivity.
- **Rust and Oxidation Removal:** Use on small metal parts to remove surface rust or tarnish.
- **Ink Correction:** Carefully erase unwanted ink marks from various surfaces.
- **Polishing and Deburring:** Achieve a fine finish or remove small burrs from delicate components.

MAINTENANCE

Proper maintenance ensures the longevity and effective performance of your TOOLCRAFT Fiberglass Cleaning Pen.

- **Refill Replacement:** When the fiberglass tip becomes too short or worn out, replace it with a new TOOLCRAFT TO-5864070 compatible refill. Refer to the "Setup" section for instructions on how to insert a new refill.
- **Cleaning the Pen Body:** Wipe the pen body with a dry or slightly damp cloth to remove any dust or residue. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the cleaning pen in a dry, clean place, away from direct sunlight and extreme temperatures. Keep it out of reach of children.
- **Safety:** Always handle fiberglass refills with care. Dispose of worn-out refills responsibly, as they may contain fine glass fibers.

TROUBLESHOOTING

If you encounter issues with your TOOLCRAFT Fiberglass Cleaning Pen, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fiberglass tip not extending or retracting smoothly.	Dirt or debris inside the pen mechanism; refill jammed or incorrectly inserted.	Unscrew the tip, remove the refill, clean the interior of the pen, and reinsert the refill correctly. Ensure no debris is obstructing the mechanism.
Cleaning performance is poor.	Fiberglass tip is worn out or too short; insufficient pressure applied.	Replace the fiberglass refill. Increase pressure slightly, but avoid excessive force. Adjust the exposed length of the fiberglass tip for optimal performance.
Fiberglass bristles breaking excessively.	Excessive pressure; tip extended too far; cleaning a very rough surface.	Reduce pressure. Shorten the exposed fiberglass tip. Use the pen only on appropriate surfaces.

SPECIFICATIONS

Feature	Detail
Model Number	TO-5864070
Brand	TOOLCRAFT
Product Type	Fiberglass Cleaning Pen / Glass Fiber Eraser
Refill Diameter	4 mm
Pen Diameter	11 mm
Number of Pieces (Set)	12 (including pen and refills)
Grain Description	Fine
Package Dimensions	14.6 x 5.6 x 2.4 cm
Item Weight	8 Grams

WARRANTY AND SUPPORT

Warranty Information:

TOOLCRAFT provides a **2-year warranty** on this product from the date of purchase. This warranty covers manufacturing defects and ensures that the product functions correctly under normal use. Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact TOOLCRAFT customer support. Refer to the product packaging or the official TOOLCRAFT website for the most current contact information.

Online Resources: For additional information and support, visit the official TOOLCRAFT website: www.toolcraft.eu