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## Cutex CTX-118-46003-A

# Cutex Lower Knife Instruction Manual for Juki MO-2400 and MO-2500 Series Overlock Machines

## 1. INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of the Cutex Lower Knife, part number 118-46003. This component is designed for use with specific Juki industrial overlock sewing machines. Please read these instructions carefully before attempting any installation or maintenance to ensure proper function and safety.

## 2. PRODUCT OVERVIEW

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The Cutex Lower Knife (Part # 118-46003) is a precision-engineered cutting component for industrial overlock sewing machines. It works in conjunction with the upper knife to trim fabric edges cleanly before stitching, ensuring a professional finish. Regular inspection and timely replacement of this part are crucial for maintaining stitch quality and machine performance.



Figure 1: The Cutex lower knife, a slender metal blade with a sharp edge, designed for industrial overlock sewing machines. The part number '118460' is visible on its surface.

### 3. COMPATIBILITY

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This Cutex Lower Knife (Part # 118-46003) is compatible with the following Juki industrial overlock machine series:

- Juki MO-2400 Series
- Juki MO-2500 Series

Specifically, it fits models such as MO-2412, MO-2414, MO-2416, MO-2512, MO-2514, and MO-2516.

### 4. INSTALLATION (SETUP)

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**Warning:** Always disconnect the machine from its power source before performing any maintenance or installation procedures to prevent injury.

1. **Access the Knife Area:** Open the front cover of your Juki overlock machine to expose the knife mechanism.
2. **Remove the Old Knife:** Carefully loosen the screw(s) holding the existing lower knife in place. Remove the dull or damaged knife. Note its orientation for correct installation of the new knife.
3. **Clean the Area:** Use a brush or compressed air to remove any lint, dust, or debris from the knife mounting area.
4. **Install the New Knife:** Position the new Cutex Lower Knife (Part # 118-46003) into its slot, ensuring it is correctly aligned with the upper knife. The cutting edge should be sharp and free from imperfections.
5. **Secure the Knife:** Gently tighten the retaining screw(s) to hold the knife firmly. Do not overtighten, as this can damage the knife or the machine.
6. **Adjust Knife Clearance (if necessary):** Refer to your specific Juki machine's service manual for precise instructions on adjusting the clearance between the upper and lower knives. Proper clearance is essential for clean cuts.
7. **Test Operation:** Close the machine cover, reconnect power, and perform a test stitch on a scrap piece of fabric to verify proper cutting action.

## 5. OPERATION

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The lower knife operates automatically as part of the overlock stitching process. Its primary function is to provide a stable cutting edge against which the upper knife shears the fabric. Ensure that the fabric is fed smoothly and evenly into the machine to allow the knives to perform their function effectively. Avoid forcing thick or unsuitable materials through the machine, as this can dull or damage the knives.

## 6. MAINTENANCE

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- **Regular Cleaning:** Periodically clean the knife area to remove lint and fabric fibers that can accumulate and interfere with cutting performance. Use a small brush or lint-free cloth.
- **Inspection:** Visually inspect the lower knife regularly for signs of dullness, nicks, or damage. A dull knife can lead to frayed edges, skipped stitches, or fabric chewing.
- **Replacement:** Replace the lower knife when it becomes dull or damaged. The frequency of replacement depends on usage and the types of materials being sewn. A sharp knife is essential for optimal stitch quality.

## 7. TROUBLESHOOTING

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If you experience issues related to fabric cutting, consider the following:

Problem	Possible Cause	Solution
Frayed or uneven fabric edges	Dull lower knife, incorrect knife clearance, loose knife.	Replace lower knife, adjust knife clearance, tighten knife screws.
Fabric not cutting cleanly	Dull knives (upper or lower), debris in knife area.	Replace both knives if necessary, clean knife area thoroughly.
Loud noise during cutting	Knives hitting each other, loose components.	Check knife clearance and alignment, ensure all screws are secure.

If problems persist after following these steps, consult a qualified sewing machine technician or refer to your Juki machine's comprehensive service manual.

## 8. SPECIFICATIONS

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- **Part Number:** 118-46003
- **Model Number:** CTX-118-46003-A
- **Compatibility:** Juki MO-2400 Series, Juki MO-2500 Series industrial overlock machines
- **Manufacturer:** Cutex Sewing Supplies
- **Package Dimensions:** 6 x 3 x 1 inches
- **Item Weight:** 3.2 ounces

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support regarding your Cutex Lower Knife, please contact Cutex Sewing Supplies directly or refer to the documentation provided at the time of purchase. Keep your purchase receipt as proof of purchase.

For general machine operation and service, please consult the official Juki instruction manual for your specific overlock machine model.