

NMD 118-88302

NMD 118-88302 Industrial Overlock Sewing Machine Upper Looper Instruction Manual

For Juki MO-2416N, MO-2514N, MO-2516N, A20 Series

1. INTRODUCTION

This manual provides detailed instructions for the installation and maintenance of the NMD 118-88302 Upper Looper, a critical component for industrial overlock sewing machines. This chrome steel looper is designed for durability and precision, ensuring optimal stitch formation in compatible Juki models.

The upper looper works in conjunction with the lower looper and needles to create the overlock stitch, securing fabric edges and preventing fraying. Proper installation and care are essential for consistent machine performance and stitch quality.

2. PRODUCT COMPATIBILITY

The NMD 118-88302 Upper Looper is specifically designed to fit the following Juki industrial overlock sewing machine models:

- Juki MO-2416N
- Juki MO-2514N
- Juki MO-2516N
- Juki A20 Series

Ensure your machine model is listed above before proceeding with installation. Using an incompatible part may result in machine damage or improper operation.

3. INSTALLATION INSTRUCTIONS

Before beginning installation, ensure the sewing machine is turned off and unplugged from the power source to prevent accidental injury. Refer to your machine's specific service manual for detailed diagrams and safety precautions.

Required Tools:

- Screwdriver set (flathead and Phillips, appropriate sizes for your machine)
- Tweezers or small pliers

- Lint brush or compressed air for cleaning

Installation Steps:

1. **Prepare the Machine:** Turn the machine's handwheel to raise the needles to their highest position. Open the front and side covers of the looper area to access the existing upper looper.
2. **Remove Old Looper:** Locate the screw(s) securing the upper looper. Carefully loosen and remove these screws. Gently slide the old upper looper out of its mounting bracket. Note its orientation for reference.
3. **Clean the Area:** Use a lint brush or compressed air to thoroughly clean any lint, dust, or thread debris from the looper area. This ensures smooth operation of the new looper.
4. **Install New Looper:** Take the NMD 118-88302 Upper Looper. Align it with the mounting bracket, ensuring it is oriented correctly, matching the position of the old looper. Carefully slide the new looper into place.
5. **Secure the Looper:** Insert and gently tighten the securing screw(s). Do not overtighten, as this can strip the threads or damage the looper. The looper should be held firmly but without excessive force.
6. **Check Clearance and Timing:** Manually turn the handwheel slowly to observe the movement of the new upper looper in relation to the needles and the lower looper. Ensure there is proper clearance and that the looper's eye passes the needle at the correct timing. Adjustments may be necessary; refer to your machine's service manual for specific timing procedures.
7. **Thread and Test:** Re-thread the machine according to your machine's threading guide. Perform test stitches on scrap fabric to verify proper stitch formation and tension. Make any necessary tension adjustments.
8. **Close Covers:** Once satisfied with the stitch quality, close all machine covers.



Figure 1: The NMD 118-88302 Industrial Overlock Sewing Machine Upper Looper. This image displays the chrome steel construction and the specific shape designed for precise thread handling in compatible Juki overlock machines.

4. MAINTENANCE

Regular maintenance of your NMD 118-88302 Upper Looper will extend its lifespan and ensure consistent sewing performance.

- **Cleaning:** Periodically remove the looper and clean it thoroughly with a soft brush to remove any accumulated lint or thread fragments.
- **Inspection:** Regularly inspect the looper for any signs of wear, nicks, burrs, or bending. Even minor damage can affect stitch quality. Replace the looper if any damage is observed.
- **Lubrication:** Refer to your sewing machine's manual for specific lubrication points around the looper mechanism. Apply appropriate sewing machine oil as recommended.

5. SPECIFICATIONS

- **Part Number:** 118-88302
- **Material:** Chrome Steel
- **Type:** Upper Looper
- **Compatibility:** Juki MO-2416N, MO-2514N, MO-2516N, A20 Series Industrial Overlock Sewing Machines

6. WARRANTY AND SUPPORT

NMD products are manufactured to high-quality standards. For specific warranty information, please refer to the product packaging or contact your retailer. For technical support or further assistance with installation and troubleshooting, consult your sewing machine's official service manual or contact a certified sewing machine technician.