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JUKI MO-114D

Juki MO-114D Overlock Sewing Machine User Manual

Model: MO-114D | Brand: JUKI

INTRODUCTION

The Juki MO-114D Serger 2/3/4 Thread Overlock Machine is designed to create beautifully finished seams. This versatile machine allows users to sew both stretchy and knit fabrics with ease, offering a wide variety of stitch patterns including 4-thread overlock, 3-thread rolled hem, and 3-thread narrow overlock. Its practical and user-friendly features make it an efficient tool for various sewing projects, from sportswear to sundresses.



Figure 1: Juki MO-114D Overlock Sewing Machine

PRODUCT FEATURES

- **Wide Variety of Stitch Patterns:** Easily sew both stretchy and knit fabrics with 2/3/4 thread overlock, 3-thread narrow overlock, and 3-thread rolled hem options.
- **Adjustable Stitch Length:** Change the length of your stitch from 1 to 4mm by simply turning the dial located on the exterior right-hand side.
- **Bright LED Light:** Illuminates the needle entry area, providing clear visibility without heating up, even during long hours of operation.
- **Lay-In Tension Slots:** Features color-coded thread paths for easy and efficient threading.
- **Presser Foot Pressure Adjustment:** Ability to adjust the presser foot pressure according to the type of material

being sewn, ensuring optimal fabric feeding.

GETTING STARTED

Unpacking and Initial Setup

Carefully remove the Juki MO-114D machine and all included accessories from its packaging. Place the machine on a stable, flat surface. Ensure adequate space around the machine for comfortable operation and access to all components.

Components and Accessories



Figure 2: Included Accessories

The machine comes with essential accessories for operation and maintenance. These typically include a set of needles, screwdrivers for adjustments, tweezers for threading, an oiler for lubrication, and spool caps to secure thread spools.

Threading the Machine

Proper threading is crucial for optimal stitch quality. The Juki MO-114D simplifies this process with color-coded lay-in

tension slots and a clear internal diagram.



Figure 3: Color-Coded Tension Dials

To thread, open the front cover of the machine. You will find a detailed, color-coded diagram illustrating the correct path for each thread. Follow these paths carefully, ensuring each thread is seated properly in its respective tension slot.

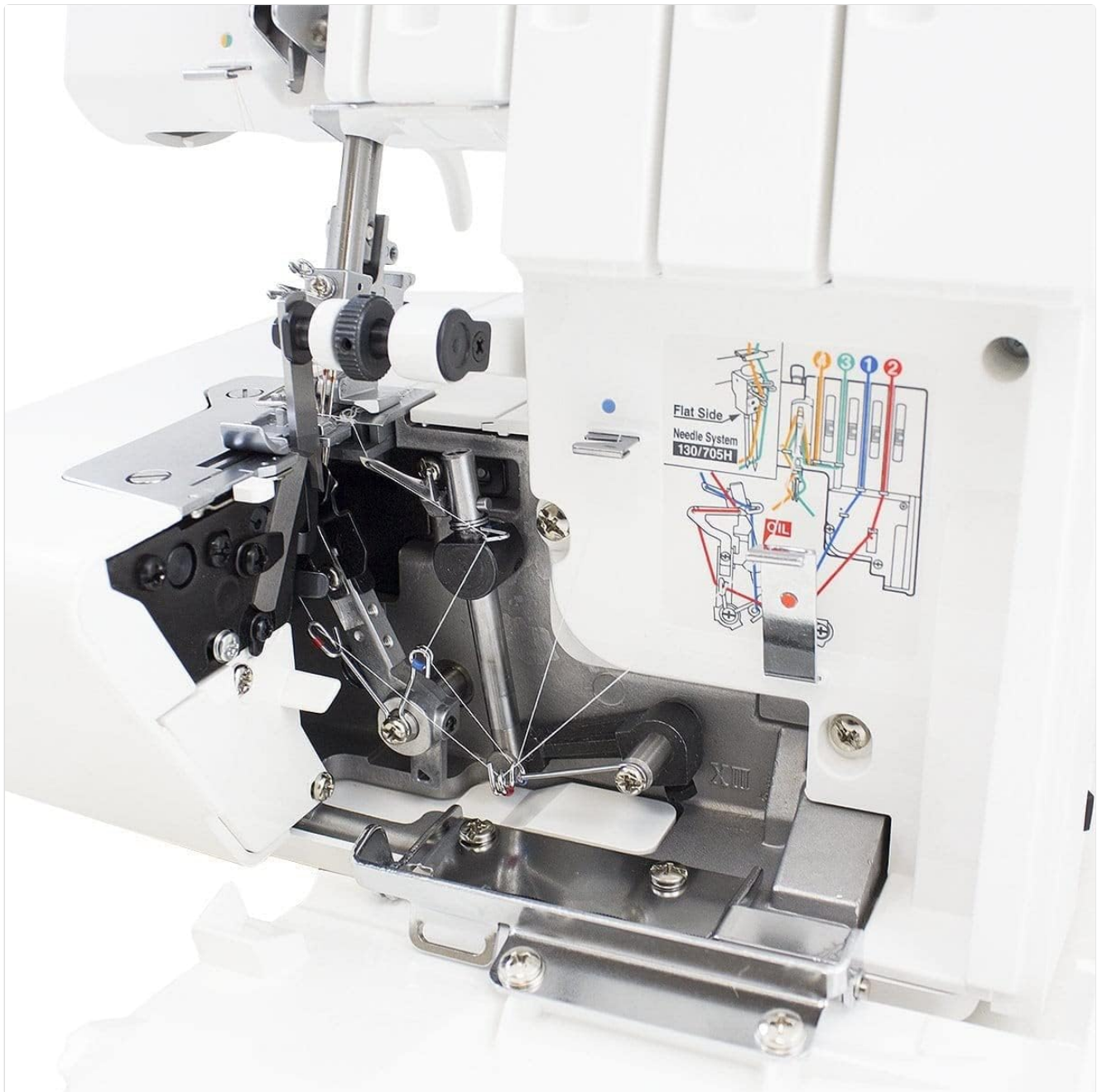


Figure 4: Internal Threading Diagram

The lower looper threader is designed to make threading this component quick and easy. Slide the thread into the designated slot and snap the looper into place. Always ensure the presser foot is raised when threading to release tension on the discs.

OPERATION

Stitch Patterns

The Juki MO-114D offers several stitch patterns to accommodate various fabric types and project needs:

- **2/3/4 Thread Overlock:** Ideal for strong, durable seams on a wide range of fabrics, including stretchy and knit materials.
- **3-Thread Rolled Hem:** Perfect for creating delicate, decorative edges on lightweight fabrics.
- **3-Thread Narrow Overlock:** Suitable for fine finishing on seams where a less bulky edge is desired.



Figure 5: Needle Area Illumination

The bright LED light ensures the needle entry area is well-lit, enhancing precision and reducing eye strain during prolonged use.

Adjusting Stitch Length and Differential Feed

To adjust the stitch length, locate the dial on the exterior right-hand side of the machine. Turn the dial to select a stitch length between 1 and 4mm, depending on your fabric and desired seam finish.

The machine also features adjustable presser foot pressure. This allows you to fine-tune the pressure applied to the fabric, which is essential when working with different material thicknesses and types, such as delicate silks or thick knits, to prevent stretching or puckering.

MAINTENANCE

Cleaning

Regular cleaning is vital for the longevity and smooth operation of your Juki MO-114D. Lint and dust can accumulate in the machine's mechanisms, affecting stitch quality and potentially causing damage.



Figure 6: Accessing Internal Components for Cleaning

The side panel of the machine can be opened to provide easy access to the looper area and other internal components. Use the provided brush to gently remove any accumulated lint and dust. Pay particular attention to the feed dogs, looper area, and around the needles.

Oiling

Periodically oil your machine at the designated oiling points to ensure all moving parts operate smoothly. Refer to your full instruction manual for a detailed diagram of oiling locations. Use only high-quality sewing machine oil.

TROUBLESHOOTING

If you encounter issues with your Juki MO-114D, consider the following common troubleshooting steps:

- **Skipped Stitches:** Check if the needles are inserted correctly and are not bent or dull. Ensure the machine is properly threaded and tension settings are appropriate for your fabric.
- **Thread Breakage:** Verify that the thread is not snagging anywhere along its path, that tension is not too high, and that the needles are the correct type and size for your thread and fabric.
- **Uneven Tension:** Re-thread the machine completely, ensuring threads are seated correctly in all tension discs.

Adjust individual tension dials as needed based on your stitch test.

- **Machine Noise/Stiffness:** Clean the machine thoroughly and apply oil to all designated oiling points. Ensure no fabric scraps or lint are obstructing moving parts.

For more detailed troubleshooting and specific error codes, please consult the comprehensive manual provided with your machine or visit the official JUKI support website.

SPECIFICATIONS

Attribute	Value
Product Dimensions	15.4 x 14 x 14.7 inches (14"D x 15.4"W x 14.7"H)
Item Weight	20.4 pounds
Model Number	MO-114D
Manufacturer	Juki MO-114D
UPC	189684000657
Color	White
First Available	January 29, 2016

- Keep fingers away from all moving parts. Special care is required around the machine needle.
- Always use the proper needle plate with the correct needle hole for safe operation.

WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your Juki MO-114D Overlock Sewing Machine. For technical support, service, or to inquire about replacement parts, please contact JUKI customer service or visit their official website. Ensure you have your model number and purchase details ready when contacting support.

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