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> Juki HZL-NX7 Sewing and Quilting Machine User Manual

## JUKI HZL-NX7

# Juki HZL-NX7 Sewing and Quilting Machine User Manual

Model: HZL-NX7

## INTRODUCTION

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This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your Juki HZL-NX7 Next Generation Long Arm Sewing and Quilting Machine. Please read this manual thoroughly before using the machine to ensure proper function and to prevent damage.

## IMPORTANT SAFETY INSTRUCTIONS

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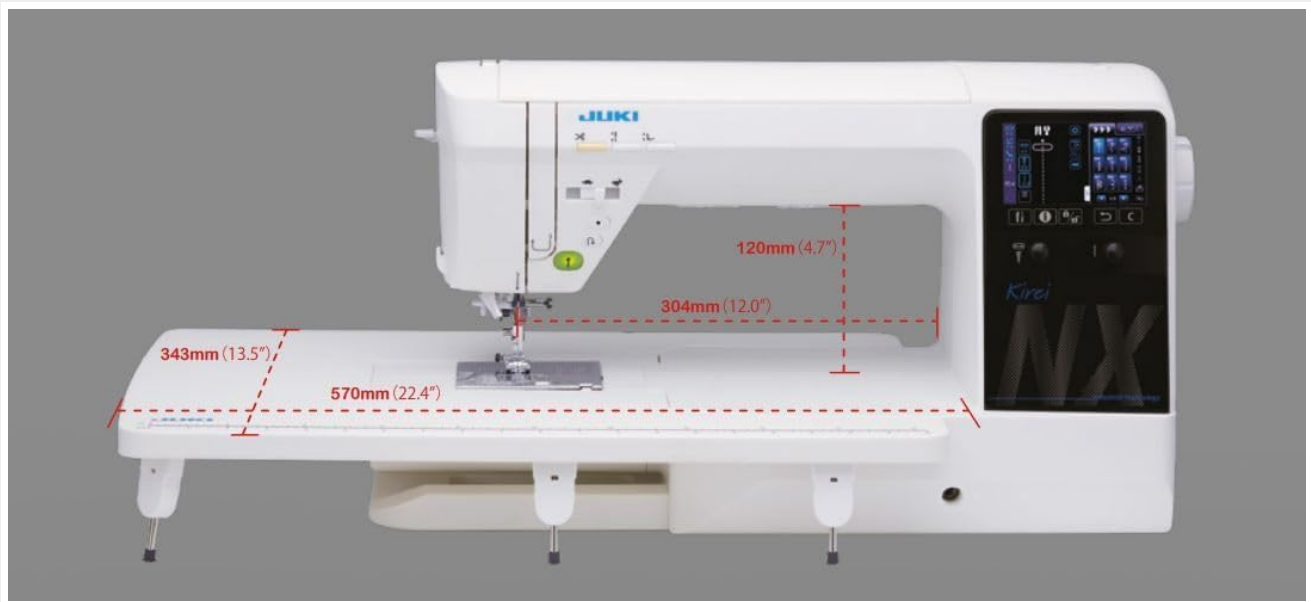
- Always unplug the machine from the electrical outlet immediately after using and before cleaning, removing covers, or making any user servicing adjustments.
- Do not allow children to play with the machine. Close supervision is necessary when the machine is used by or near children.
- Use this appliance only for its intended use as described in this manual. Use only attachments recommended by the manufacturer.
- Never operate this machine if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.

## SETUP AND INITIAL PREPARATION

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### 1. Unpacking and Placement

Carefully remove the machine from its packaging. Place the machine on a stable, level surface. Ensure adequate space around the machine for comfortable operation, especially considering its long arm design.



Front view of the Juki HZL-NX7 sewing machine, illustrating its overall dimensions including the long arm workspace.

## 2. Power Connection

Connect the power cord to the machine and then to a suitable electrical outlet. Ensure the power switch is in the 'OFF' position before connecting.

## 3. Bobbin Winding and Insertion

1. Place a spool of thread on the spool pin.
2. Follow the indicated path for bobbin winding, ensuring the thread is securely guided.
3. Place an empty bobbin onto the bobbin winder shaft and push it to the right.
4. Start the machine to wind the bobbin. Stop when the bobbin is full.
5. Insert the wound bobbin into the bobbin case, following the directional arrows for correct thread tension.



Overhead view of the Juki HZL-NX7 sewing machine with the top lid open, revealing the bobbin winding area and thread path.

#### **4. Upper Threading**

Place the thread spool on the spool pin. Guide the thread through the machine's designated threading path, ensuring it passes through all tension discs and guides. Use the automatic needle threader for convenience.

#### **5. Needle Installation**

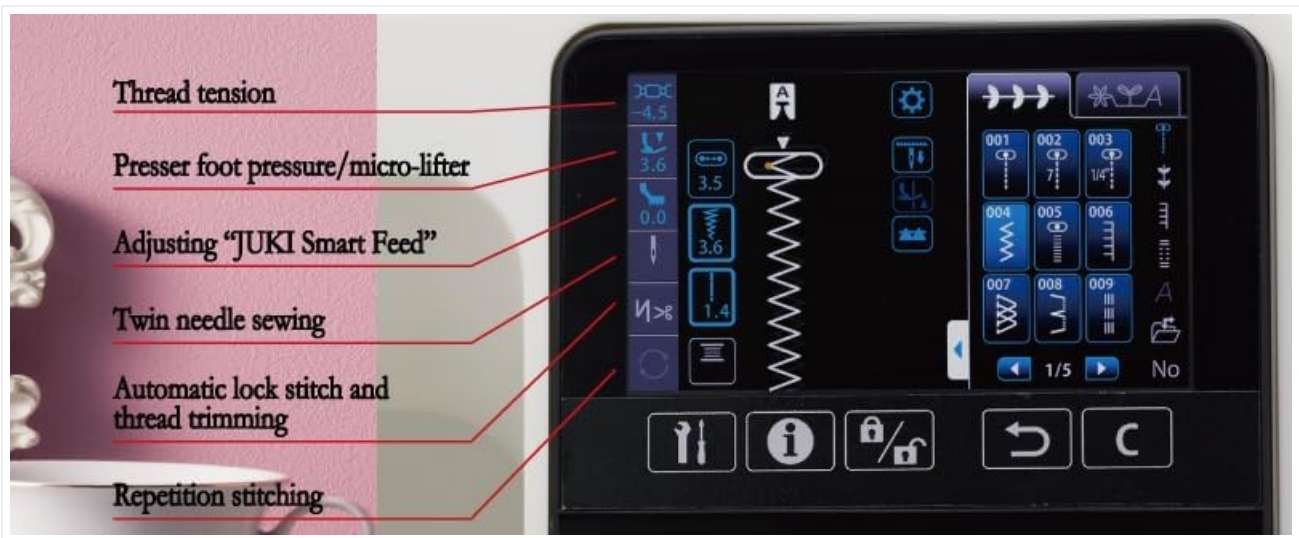
Ensure the machine is off. Loosen the needle clamp screw, insert a new needle with the flat side facing the back, and tighten the screw securely. Always use the correct needle type and size for your fabric.

### **OPERATING INSTRUCTIONS**

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#### **1. Powering On and Control Panel Overview**

Turn on the machine using the main power switch. The touchscreen control panel will illuminate, providing access to various settings and stitch selections.



Close-up of the Juki HZL-NX7's touchscreen control panel, showing various settings for thread tension, presser foot, and stitch selection.

## 2. Stitch Selection and Adjustment

Use the touchscreen to browse and select desired stitch patterns. The machine offers a wide range of utility, decorative, and quilting stitches. Adjust stitch length and width as needed using the dedicated controls on the panel.



A display of the first page of stitch patterns available on the Juki HZL-NX7's touchscreen.



A display of the second page of stitch patterns available on the Juki HZL-NX7's touchscreen, including decorative and utility stitches.

## 3. Automatic Needle Threading

The HZL-NX7 features an advanced automatic needle threading system. Lower the threader lever, guide the thread as instructed, and release the lever to thread the needle effortlessly.



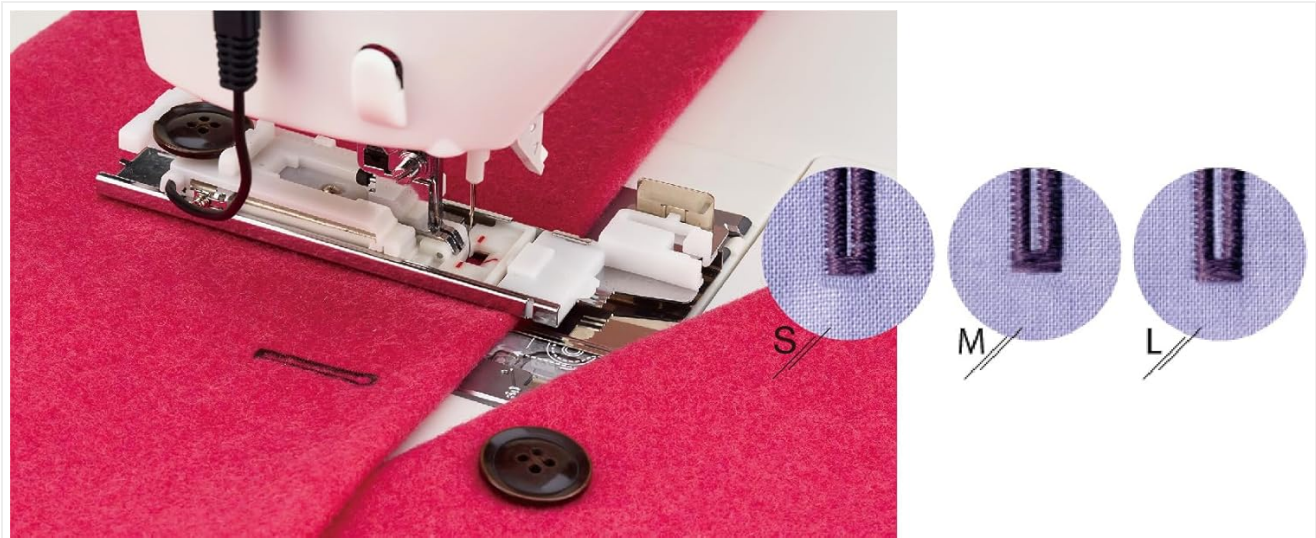
Close-up view of the needle, presser foot, and feed dog mechanism on the Juki HZL-NX7 sewing machine.

## 4. Presser Foot Functions

The machine allows for adjustment of presser foot pressure and lifting height. Utilize the built-in walking foot for consistent feeding of multiple layers or slippery fabrics, especially beneficial for quilting.

## 5. Buttonhole Creation

Attach the buttonhole foot. Select the desired buttonhole style from the menu. The machine will automatically create buttonholes to the specified size.



The Juki HZL-NX7 sewing an automatic buttonhole on fabric, demonstrating the buttonhole foot.

## 6. Free Motion Quilting

For free motion quilting, lower the feed dogs using the designated control. Attach a free motion quilting foot. The large throat space provides ample room for maneuvering quilts.

## MAINTENANCE

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### 1. Cleaning

Regularly clean lint and dust from the bobbin area, feed dogs, and tension discs using a small brush. Ensure the machine is unplugged before cleaning. Remove the needle plate for thorough cleaning of the feed dogs.

### 2. Needle Replacement

Replace the needle frequently, especially after 8-10 hours of sewing or if it becomes bent or dull. A fresh needle prevents skipped stitches and fabric damage.

### 3. Accessory Storage

Keep all accessories, such as presser feet and tools, organized in the provided accessory box to prevent loss and damage.



An organized view of the accessory box for the Juki HZL-NX7, containing various presser feet and tools.

## TROUBLESHOOTING

Before contacting service, review the following common issues and their solutions:

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading, wrong thread tension.	Replace needle, re-thread machine, adjust tension.
Thread Breaking	Incorrect threading, high tension, burr on needle plate, poor quality thread.	Re-thread, adjust tension, check for burrs, use quality thread.
Machine Not Starting	Power cord not connected, power switch off, foot controller not connected.	Check power connections, ensure switch is on, connect foot controller.
Uneven Stitches	Incorrect tension, improper fabric feeding, dull needle.	Adjust tension, ensure proper fabric handling, replace needle.
Feed Dogs Not Engaging	Feed dog lever in down position.	Ensure feed dog lever is in the up position for normal sewing.

## SPECIFICATIONS

- **Brand:** JUKI
- **Model Number:** HZL-NX7
- **Material:** Metal
- **Product Dimensions (D x W x H):** 9.45" x 22.64" x 12.2"
- **Item Weight:** 34 Pounds
- **Power Source:** Corded Electric
- **UPC:** 675900959743



Side view of the Juki HZL-NX7 sewing machine, highlighting its height and length dimensions.

## WARRANTY AND SUPPORT

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For warranty information, please refer to the warranty card included with your product or contact your authorized Juki dealer. For technical support and service inquiries, you may contact Juki America directly. It is recommended to retain the original packaging for potential shipping needs.