

JUKI HZL-80HP

Juki HZL-80HP Sewing Machine Instruction Manual

Model: HZL-80HP | Brand: JUKI

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, maintenance, and troubleshooting of your Juki HZL-80HP Sewing Machine. Please read this manual thoroughly before using the machine to ensure proper function and longevity.

2. SAFETY PRECAUTIONS

- Always unplug the machine from the electrical outlet when removing covers, lubricating, or when making any other user servicing adjustments mentioned in the instruction manual.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Use the proper needle plate. The wrong plate can cause the needle to break.
- Do not pull or push fabric while stitching. This may deflect the needle, causing it to break.
- Turn the sewing machine off when making any adjustments in the needle area, such as threading the needle, changing the needle, threading the bobbin, or changing the presser foot.
- Never operate the machine with any air openings blocked. Keep ventilation openings of the sewing machine and foot controller free from the accumulation of lint, dust, and loose cloth.

3. MACHINE COMPONENTS AND OVERVIEW

Familiarize yourself with the main parts of your Juki HZL-80HP sewing machine.



Figure 3.1: Front view of the Juki HZL-80HP sewing machine, showing the main body, needle area, and control panel.



Figure 3.2: Close-up of the control panel with LCD screen and stitch selection buttons.

4. SETUP

4.1 Unpacking and Placement

1. Carefully remove the machine from its packaging.
2. Place the machine on a stable, level surface.
3. Connect the power cord and foot controller to the machine and a suitable electrical outlet.

4.2 Winding the Bobbin

Before you begin sewing, the bobbin must be wound with thread.

1. Place a spool of thread on the spool pin.
2. Follow the thread path for bobbin winding as indicated on the machine.
3. Place an empty bobbin onto the bobbin winder spindle.
4. Push the bobbin winder spindle to the right.
5. Start the machine; the bobbin will wind automatically. Stop when full.

4.3 Inserting the Bobbin



Figure 4.1: View of the bobbin case area beneath the needle plate.

1. Open the bobbin cover plate.
2. Insert the wound bobbin into the bobbin case, ensuring the thread unwinds in the correct direction (usually counter-clockwise).
3. Guide the thread through the tension spring and into the thread guide.
4. Close the bobbin cover plate.

4.4 Threading the Upper Thread

1. Raise the presser foot lever.
2. Place a spool of thread on the spool pin.
3. Follow the numbered thread guides on the machine, ensuring the thread passes through the tension discs.
4. Bring the thread down to the needle area.
5. Use the **Automatic Needle Threader** for easy threading. Engage the threader, hook the thread, and release.
6. Pull the bobbin thread up through the needle plate hole by turning the handwheel towards you once, catching the bobbin thread with the upper thread.

5. OPERATING INSTRUCTIONS

5.1 Stitch Selection

The Juki HZL-80HP offers a wide range of stitches. Refer to the stitch chart for available patterns.



Figure 5.1: Pull-out stitch chart located on the machine, displaying various utility and decorative stitches.

1. Turn on the machine.
2. Use the numerical keypad on the control panel to select the desired stitch number. The selected stitch will appear on the LCD screen.
3. Adjust stitch length and width using the +/- buttons if necessary.

5.2 Automatic One-Step Buttonholing

This feature allows for precise and consistent buttonholes.

1. Attach the buttonhole foot.
2. Place the button you intend to use into the buttonhole foot's holder. The machine will automatically size the buttonhole.
3. Select a buttonhole stitch from the stitch chart.
4. Lower the presser foot and begin sewing. The machine will sew the entire buttonhole automatically.

5.3 Adjustable Presser Foot Pressure

Adjusting the presser foot pressure is crucial for different fabric types.

- Locate the presser foot pressure adjustment dial (refer to your machine diagram for exact location).
- Increase pressure for thin fabrics to prevent puckering.
- Decrease pressure for thick or bulky fabrics to allow them to feed smoothly.

5.4 Free Arm Sewing

The free arm feature is useful for sewing cylindrical items like cuffs, sleeves, and pant hems.

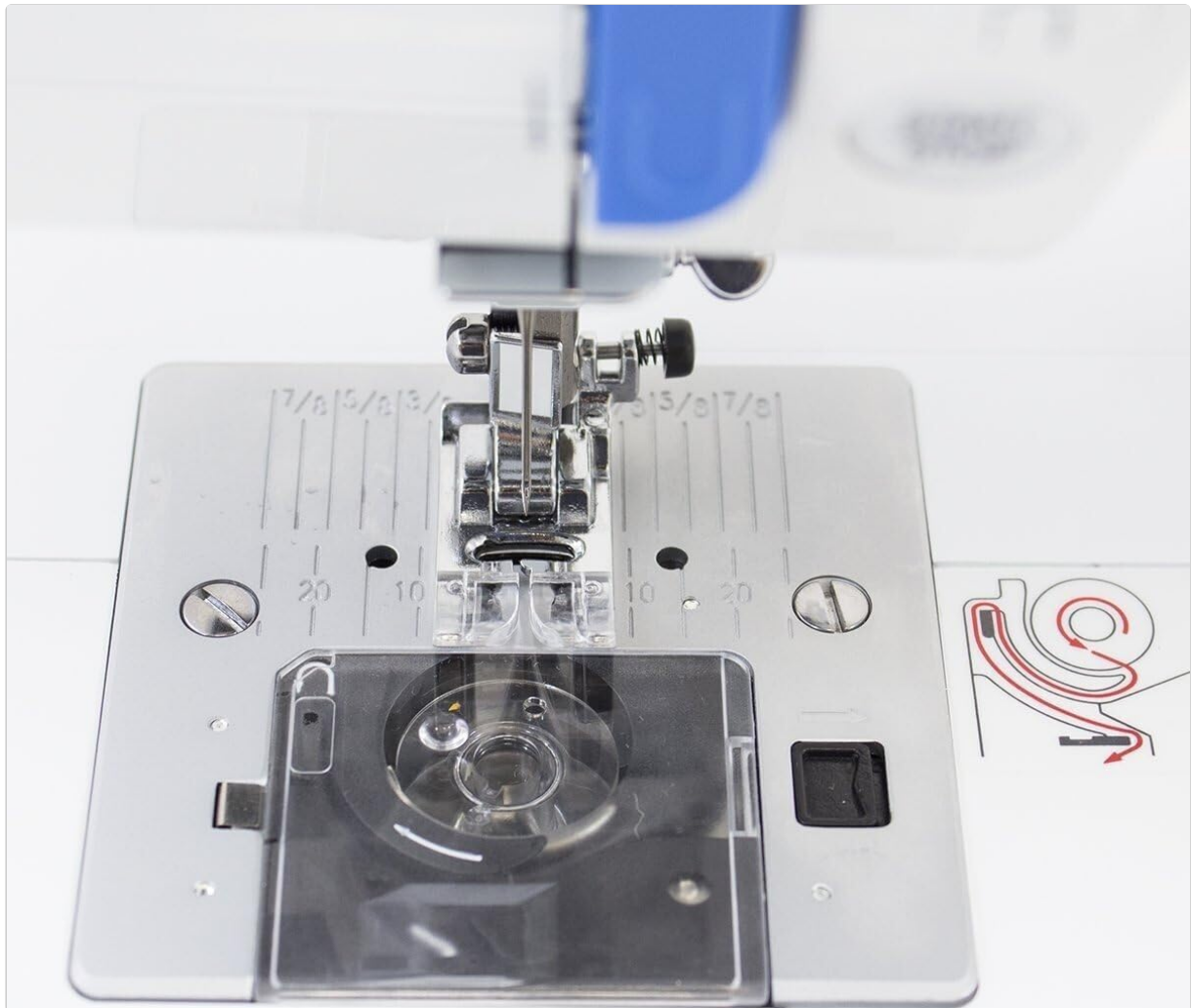


Figure 5.2: The accessory box removed to reveal the free arm for sewing small, circular items.

1. Slide off the auxiliary bed/Accessory box to expose the free arm.
2. Position the fabric around the free arm.
3. Sew as usual.

6. MAINTENANCE

6.1 Cleaning the Machine

Regular cleaning ensures smooth operation and extends the life of your machine.

1. **Always unplug the machine before cleaning.**
2. Remove the needle, presser foot, and needle plate.
3. Use a small brush to remove lint and dust from the bobbin case area and feed dogs.
4. Wipe the exterior of the machine with a soft, dry cloth. Do not use harsh chemicals.

6.2 Needle Replacement

Replace the needle frequently, especially when sewing different fabric types or if it becomes bent or dull.

1. **Unplug the machine.**
2. Loosen the needle clamp screw.
3. Remove the old needle.
4. Insert a new needle with the flat side facing the back of the machine, pushing it up as far as it will go.
5. Tighten the needle clamp screw securely.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

7.1 Machine Beeps and Does Not Operate

- **Cause:** Safety feature engaged (e.g., presser foot up, bobbin winder engaged, wrong stitch selected for current setting).
- **Solution:** Ensure the presser foot is down, the bobbin winder is disengaged, and the correct settings are applied for the chosen stitch. Refer to the display for error codes or indicators.

7.2 Thread Jamming

- **Cause:** Incorrect threading, improper bobbin insertion, dull or bent needle, incorrect tension.
- **Solution:** Re-thread the machine completely (both upper and bobbin threads). Ensure the bobbin is inserted correctly. Replace the needle. Check upper and lower thread tension settings.

7.3 Skipped Stitches

- **Cause:** Incorrect needle size or type for fabric, bent needle, improper threading, low-quality thread.
- **Solution:** Change the needle to the correct type and size for your fabric. Ensure the needle is inserted correctly. Re-thread the machine. Use good quality thread.

7.4 Uneven Stitching / Puckering

- **Cause:** Incorrect thread tension, wrong needle for fabric, presser foot pressure too high or too low.
- **Solution:** Adjust upper and bobbin thread tension. Use the appropriate needle. Adjust presser foot pressure according to fabric thickness.

8. SPECIFICATIONS

Feature	Detail
Brand	JUKI
Model Number	HZL-80HP
Product Dimensions	20.2 x 10.7 x 15.1 inches (51.3 x 27.2 x 38.4 cm)
Item Weight	19.71 pounds (8.94 kg)
UPC	189684000619

Date First Available	January 26, 2016
Key Features	Automatic Needle Threader, Automatic One-Step Buttonholing, Adjustable Presser Foot Pressure, Free Arm Sewing, Hard-Shell Carrying Case

9. WARRANTY AND SUPPORT

For warranty information and technical assistance, please contact Juki customer support. While specific warranty details are not provided in this document, Juki typically offers support for their products.

If you encounter issues not covered in this manual, or require further assistance, please reach out to Juki's official support channels.