Janome N-515

Janome Nuikiru N-515 Electronic Control Sewing Machine User Manual

Model: N-515

1. Introduction

This manual provides essential instructions for the safe and effective use of your Janome Nuikiru N-515 Electronic Control Sewing Machine. Please read this manual thoroughly before operating the machine and keep it for future reference. The Janome N-515 is a compact sewing machine featuring electronic speed control, a built-in overlock function, and a horizontal rotary hook for smooth operation.

2. Safety Instructions

- Always unplug the machine from the power outlet when not in use, when changing needles, presser feet, or performing maintenance.
- Keep fingers away from the needle, presser foot, and handwheel during operation.
- Do not operate the machine if the power cord is damaged or if the machine is not functioning correctly. Contact qualified service personnel for repairs.
- Ensure the machine is placed on a stable, flat surface.
- Keep the machine out of reach of children.
- Use only accessories and attachments recommended by the manufacturer.

3. Setup

3.1 Unpacking

Carefully remove the sewing machine from its packaging. Retain all packaging materials for storage or future transport. Ensure all accessories listed in the packing list are present.

3.2 Power Connection

Connect the power cord to the machine's power input and then plug it into a standard electrical outlet. Ensure the voltage matches your local power supply.

3.3 Threading

Proper threading is crucial for optimal sewing performance.

3.3.1 Upper Threading

1. Place the spool of thread on the horizontal thread stand.
2. Follow the numbered guides on the machine to route the thread through the tension discs and take-up lever.
3. Thread the needle from front to back.

3.3.2 Bobbin Winding

1. Place an empty bobbin onto the bobbin winder spindle.
2. Route the thread from the spool through the bobbin winding tension guide.
3. Wrap the thread a few times around the bobbin and push the spindle to the right.
4. Start the machine; it will automatically stop when the bobbin is full.

3.3.3 Lower Thread (Bobbin Insertion)

The N-515 features a convenient horizontal rotary hook system.

1. Open the bobbin cover.
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 slot.
4. Close the bobbin cover. The lower thread will be picked up automatically when you start sewing, eliminating the need for manual retrieval.



Figure 1: An overview of the Janome Nuikiru N-515 electronic control sewing machine, showing its compact design, stitch

selection panel, speed control slider, and threading components.

4. Operating Instructions

4.1 Start/Stop Operation

The machine features a convenient hand start/stop button. Press the button once to start sewing and press it again to stop. This allows for easy control without a foot pedal.

4.2 Stepless Speed Control

Adjust the sewing speed using the speed control slider located on the front of the machine. Slide it to the left for slower speeds (ideal for corners or intricate work) and to the right for faster speeds (for straight seams). The electronic control mechanism ensures consistent power even at low speeds.

4.3 Stitch Selection

The N-515 offers a variety of stitches. Select your desired stitch pattern using the buttons on the control panel. Refer to the stitch chart (usually located on the machine or in a separate guide) for available patterns and their applications.

4.4 Built-in Overlock Function (Nuikiru)

The Nuikiru function allows you to trim fabric edges while simultaneously sewing an overlock stitch, preventing fraying. To activate, simply lower the dedicated lever. This integrated mechanism provides a clean finish similar to a separate overlock machine, suitable for various fabric types from thin to thick (e.g., up to 6 layers of denim).

4.5 Powerful Penetration

The machine is designed with powerful needle penetration, allowing it to sew through multiple layers of fabric, including heavy materials like denim, with ease.

5. Maintenance

5.1 Cleaning

Regular cleaning helps maintain machine performance. Always unplug the machine before cleaning.

- Remove the needle plate and bobbin case.
- Use a small brush to remove lint and dust from the feed dogs and bobbin area.
- Wipe the exterior of the machine with a soft, dry cloth.

5.2 Troubleshooting

If you encounter issues, refer to the table below for common problems and solutions. For persistent problems, contact customer support.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading	Use correct needle size/type, replace bent needle, re-thread machine correctly
Thread Breakage	Incorrect tension, poor quality thread, improper threading	Adjust tension, use good quality thread, re-thread machine

Problem	Possible Cause	Solution
Fabric Not Feeding	Feed dogs lowered, lint in feed dogs	Raise feed dogs, clean feed dog area

6. Specifications

- **Model:** N-515
- **Brand:** Janome
- **Dimensions (W x H x D):** 353 x 265 x 159 mm
- **Weight:** 5.6 kg
- **Features:** Built-in overlock function, stepless speed control, horizontal rotary hook, hand start/stop, powerful penetration.

7. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official Janome website. If you require technical assistance or have questions not covered in this manual, please contact Janome customer support through their official channels.