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NECCHI M20B

Necchi M20B Sewing Machine User Manual

Model: M20B

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1. SAFETY INSTRUCTIONS

Please read all instructions carefully before using the Necchi M20B sewing machine to ensure safe operation and prevent injury or damage. Keep this manual for future reference.

- Always disconnect the machine from the power supply before cleaning, lubricating, or removing any covers.
- Keep fingers away from all moving parts, especially the needle, presser foot, and handwheel.
- Use only the recommended accessories and attachments specified in this manual.
- Do not operate the machine if it has a damaged cord or plug, or if it is not working properly.
- Never leave the machine unattended while it is plugged in.
- Ensure the machine is placed on a stable, level surface during operation.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

2. PACKAGE CONTENTS

Carefully unpack your Necchi M20B sewing machine and verify that all items listed below are included. If any items are missing or damaged, contact your retailer.



Image: The Necchi M20B sewing machine package contents, including the machine, foot pedal, power cord, instruction manual, dust cover, and various accessories like bobbins, needles, and presser feet.

- Necchi M20B Sewing Machine
- Foot Pedal and Power Cord
- Instruction Manual
- Dust Cover
- Standard Presser Foot
- Zipper Foot
- Buttonhole Foot
- Button Sewing Foot
- Needle Set
- Bobbins
- Seam Ripper
- Screwdriver
- Lint Brush
- Spool Pin

3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your Necchi M20B sewing machine.



Image: Front view of the Necchi M20B sewing machine, showing the needle area, presser foot, stitch selection dial, and tension dial.



Image: Angled view of the Necchi M20B sewing machine, highlighting the stitch pattern selector, stitch length/width dial, and handwheel.

Key Components:

- **Stitch Selector Dial:** Used to choose from the 15 available stitch patterns.
- **Tension Dial:** Adjusts the upper thread tension.
- **Handwheel:** Manually raises and lowers the needle.
- **Reverse Lever:** For back-tacking stitches.
- **Presser Foot Lifter:** Raises and lowers the presser foot.
- **Needle Clamp:** Holds the needle in place.
- **Bobbin Winder:** For winding thread onto bobbins.
- **Free Arm:** Removable accessory box for sewing tubular items like sleeves and pant hems.

4. SETUP

4.1. Power Connection

1. Place the machine on a stable, flat surface.
2. Insert the foot pedal plug into the machine's power socket.
3. Plug the power cord into a suitable electrical outlet.

4. Turn on the power switch, usually located on the side of the machine. The work light should illuminate.

4.2. Winding the Bobbin

1. Place a spool of thread on the spool pin.
2. Guide the thread through the upper thread guide and around the bobbin winding tension disc.
3. Place an empty bobbin onto the bobbin winder spindle.
4. Wrap the thread clockwise a few times around the bobbin.
5. Push the bobbin winder spindle to the right.
6. Gently press the foot pedal to start winding. Stop when the bobbin is full.
7. Cut the thread and push the bobbin winder spindle back to the left.

4.3. Inserting the Bobbin

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

4.4. Threading the Upper Thread

1. Raise the needle to its highest position using the handwheel.
2. Raise the presser foot lifter.
3. Place a spool of thread on the spool pin.
4. Guide the thread through the upper thread guide.
5. Pass the thread down the right channel, around the tension disc, and up the left channel.
6. Hook the thread into the take-up lever from right to left.
7. Guide the thread down through the thread guides above the needle.
8. Thread the needle from front to back.
9. Pull about 6 inches of thread through the needle eye.

4.5. Bringing Up the Bobbin Thread

1. Hold the upper thread lightly with your left hand.
2. Turn the handwheel towards you to lower the needle into the needle plate and then raise it again.
3. The needle will catch the bobbin thread, forming a loop.
4. Pull the loop up with the upper thread or a small tool.
5. Pull both upper and bobbin threads under the presser foot and towards the back of the machine.

5. OPERATION

5.1. Stitch Selection

The Necchi M20B offers 15 essential sewing programs. Rotate the stitch selector dial to choose your desired stitch pattern. Refer to the stitch guide on the machine for visual reference.

- **Straight Stitch:** For basic seams and topstitching.
- **Zigzag Stitch:** For finishing raw edges, appliqué, and decorative purposes.
- **Blind Hem Stitch:** For invisible hems on garments.

- **Buttonhole Stitch:** A 4-step process for creating buttonholes.
- **Elastic Stitch:** For sewing elastic and joining fabrics.
- **Overlock Stitch:** For finishing seams and preventing fraying.
- **Decorative Stitches:** Various patterns for embellishment.

5.2. Adjusting Stitch Length and Width

Use the stitch length/width dial (often combined with the stitch selector) to adjust the density and width of your chosen stitch. Experiment on scrap fabric to find the optimal settings for your project.

5.3. Sewing Basics

1. Place the fabric under the presser foot, aligning the edge with a seam guide on the needle plate.
2. Lower the presser foot.
3. Gently press the foot pedal to start sewing. Control your speed by varying pressure on the pedal.
4. To secure the beginning and end of a seam, press and hold the reverse lever to sew a few stitches backward, then release and continue sewing forward.
5. When finished, raise the needle to its highest position, raise the presser foot, and pull the fabric away from the machine.
6. Cut the threads using the thread cutter on the machine or scissors.

5.4. Free Arm Sewing



Image: The Necchi M20B sewing machine with its accessory box removed, revealing the free arm for sewing cylindrical items.

To sew tubular items like sleeves, cuffs, or pant hems, slide off the accessory box to expose the free arm. This allows the

fabric to wrap around the narrow arm for easier sewing.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Necchi M20B sewing machine.

6.1. Cleaning

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

6.2. Needle Replacement

Replace the needle regularly (after 8-10 hours of sewing or if it becomes bent or dull) to prevent skipped stitches and fabric damage.

1. Turn off the machine and unplug it.
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 with your Necchi M20B sewing machine.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading, wrong needle size for fabric.	Replace needle, re-thread machine, use correct needle type/size.
Thread Breakage	Incorrect threading, tension too tight, burr on needle plate, poor quality thread, bent needle.	Re-thread, adjust tension, check for burrs, use quality thread, replace needle.
Fabric Puckering	Tension too tight, stitch length too long for fabric, dull needle.	Loosen tension, shorten stitch length, replace needle.
Machine Not Feeding Fabric	Feed dogs lowered, lint accumulation, presser foot pressure too low.	Raise feed dogs, clean feed dogs, increase presser foot pressure (if adjustable).
No Power	Machine unplugged, power switch off, faulty power cord/pedal.	Check power connections, ensure switch is on, contact service if cord/pedal is faulty.

8. SPECIFICATIONS

Feature	Detail
Brand	NECCHI
Model Number	M20B
Number of Stitch Programs	15 (including utility, elastic, decorative, and 4-step buttonhole)
Power Source	Corded Electric
Material	Plastic (housing)
Color	White
Special Features	Free arm, adjustable presser foot lift for thick fabrics, work light.
First Available Date	August 21, 2019

9. WARRANTY AND SUPPORT

The Necchi M20B sewing machine comes with a **5-year warranty**, reflecting the brand's commitment to quality and durability. For warranty claims, technical support, or service inquiries, please contact your authorized Necchi dealer or visit the official Necchi website for contact information.

Please retain your proof of purchase for warranty validation.

