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Necchi 175

Necchi 175 Overlock Machine User Manual

Model: 175

1. Introduction

The Necchi 175 overlock machine is designed for efficient and precise sewing of various fabric types, including stretchy and delicate materials. It offers 3 or 4-thread overlock stitching capabilities, making it suitable for a wide range of sewing projects. This manual provides essential information for the setup, operation, and maintenance of your Necchi 175 overlock machine.



Figure 1: Necchi 175 Overlock Machine, front view, displaying threading guides and stitch options. This image shows the front of the Necchi 175 overlock machine, highlighting the color-coded threading paths and stitch selection diagrams for 3 and 4-thread overlock, narrow hem, rolled hem, and picot stitch.

2. Safety Instructions

To ensure safe operation and prevent injury or damage, please read and follow these safety guidelines:

- Always read all instructions before using the machine.
- Keep fingers away from all moving parts, especially the needle and cutting blades.
- Unplug the machine from the electrical outlet when not in use, before cleaning, or when performing any maintenance.
- Use only accessories and attachments recommended by the manufacturer.
- Do not operate the machine if the power cord or plug is damaged.

- Keep the machine out of reach of children.
- Ensure the machine is placed on a stable, level surface during operation.

3. Package Contents and Accessories

Verify that all items listed below are included in your package:



Figure 2: All included accessories for the Necchi 175 Overlock Machine laid out on a wooden surface. A comprehensive display of the accessories that come with the machine, including needles, tools, spool holders, and a dust cover.

- Set of needles
- Tweezers
- Brush
- Overlock waste collector
- Small screwdriver
- Large screwdriver
- Allen key
- Spare upper blade
- 4 spool holders
- 4 bobbins
- 4 non-slip nets
- Accessory case
- Cord guide
- Dust cover

4. Setup

1. **Unpacking:** Carefully remove the machine and all accessories from the packaging. Retain the packaging for future transport or storage.
2. **Placement:** Place the overlock machine on a stable, flat surface. Ensure there is adequate space around the machine for fabric handling.
3. **Attaching Non-Slip Feet:** If not already attached, secure the non-slip feet to the bottom of the machine to prevent movement during operation.

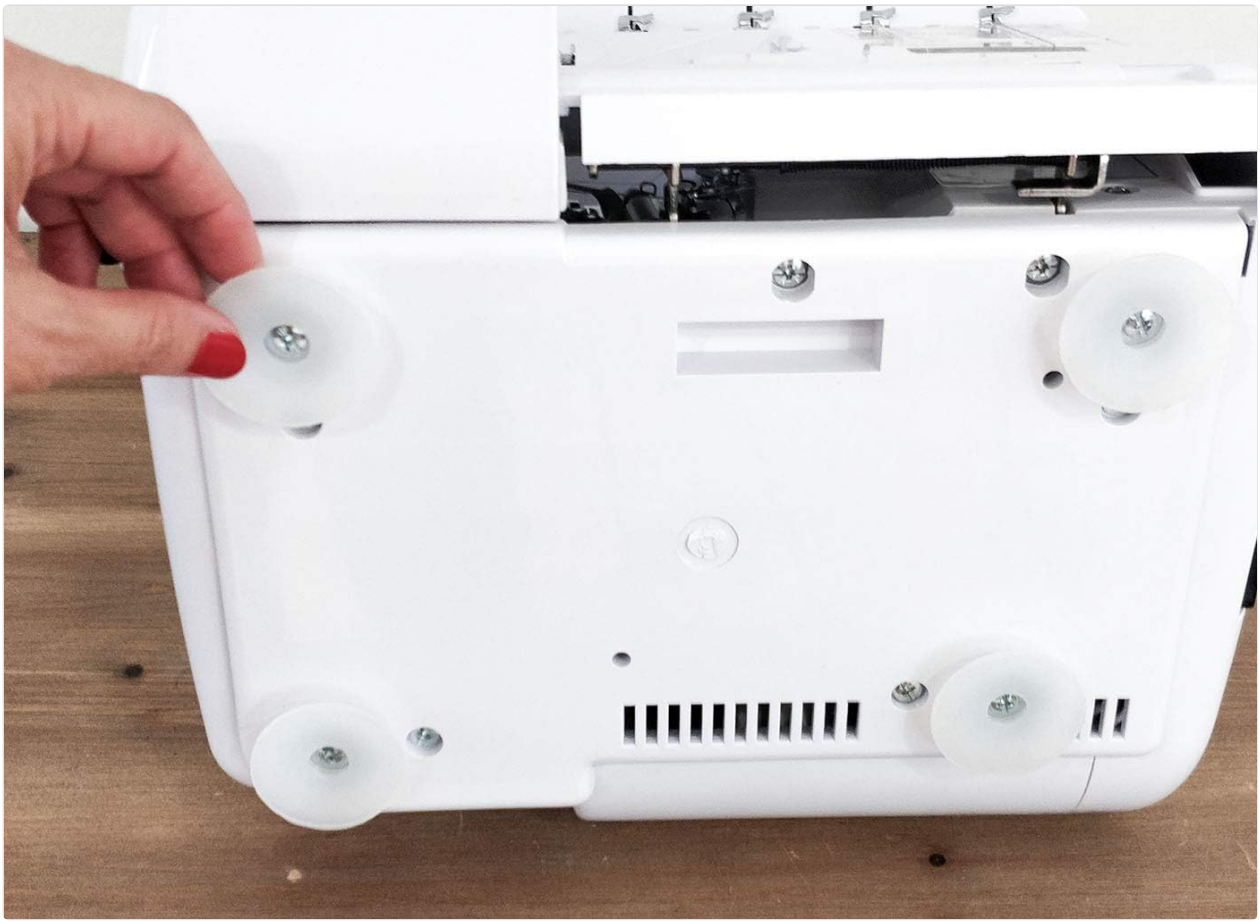


Figure 3: Attaching a non-slip foot to the machine's base. This image demonstrates the attachment of the non-slip feet to the machine's base, ensuring stability during operation.

4. **Power Connection:** Connect the power cord to the machine and then to a suitable electrical outlet.
5. **Spool Setup:** Place the thread spools onto the telescopic thread guide. Use the non-slip nets if your thread spools are prone to unraveling.



Figure 4: Setting up thread spools. This image illustrates the process of setting up the thread spools on the telescopic thread guide, an essential step before threading the machine.

5. Operating Instructions

5.1 Threading the Machine

The Necchi 175 overlock machine often comes pre-threaded for initial use. For re-threading, refer to the color-coded threading diagram located directly on the machine's front panel (see Figure 1). The front cover can be opened to access the loopers for easier threading.



Figure 5: Machine with front cover open. The machine is shown with its front cover open, providing access to the loopers and other internal mechanisms for easier threading and cleaning.

5.2 Stitch Adjustments

- **Differential Feed:** Adjust the differential feed from 0.7 to 2 mm to manage fabric stretching or gathering. This is crucial for working with knit and delicate fabrics.
- **Cutting Width:** The cutting width can be adjusted from 4 to 7 mm to achieve the desired seam allowance.
- **Stitch Length:** Adjust the stitch length from 1 to 5 mm according to your fabric type and desired stitch density.
- **Thread Tension:** Manual tension discs allow for precise adjustment of thread tension from 0 to 9 for each thread, ensuring balanced stitches.

5.3 Available Stitch Types

The Necchi 175 supports various stitch types for versatile applications:

- 3-thread overlock
- 4-thread overlock
- Narrow hem
- Rolled hem
- Picot stitch

The machine operates at a sewing speed of up to 1100 stitches per minute.

6. Maintenance

- **Cleaning:** Regularly clean lint and fabric dust from the machine, especially around the loopers, feed dogs, and

blade area, using the provided brush. The overlock waste collector should be emptied after each use.



Figure 6: Overlock waste collector compartment. A view of the integrated waste collector, designed to catch fabric scraps and excess thread during operation, keeping the workspace tidy.

- **Blade Replacement:** The machine includes a spare upper blade. Refer to the detailed instructions in the full manual for proper blade replacement procedures.
- **General Care:** Keep the machine covered with the dust cover when not in use to protect it from dust and debris.

7. Troubleshooting

If you encounter issues with your Necchi 175, consider the following common solutions:

- **Uneven Stitches:** Check that all threads are correctly routed through their respective tension discs and guides as shown in the threading diagram. Verify that thread tensions are balanced for your fabric type.
- **Skipped Stitches:** Ensure the needle is inserted correctly and is not bent or dull. Use the appropriate needle type for your fabric.
- **Machine Jamming:** Turn off the machine immediately. Check for any tangled threads in the looper area or under the presser foot. Remove any fabric scraps that might be obstructing movement.
- **Fabric Not Feeding Properly:** Adjust the differential feed setting. Ensure the presser foot is lowered and the feed dogs are clean.

For more complex issues, consult the comprehensive manual or contact customer support.

8. Specifications

Feature	Specification

Feature	Specification
Brand	Necchi
Model Number	175
Thread Capacity	3 or 4 threads
Differential Feed Adjustment	0.7 to 2 mm
Cutting Width Adjustment	4 to 7 mm
Stitch Length Adjustment	1 to 5 mm
Thread Tension Adjustment	Manual (0 to 9)
Sewing Speed	1100 stitches/minute
Product Dimensions (L x W x H)	31.5 x 27.5 x 32 cm
Package Dimensions (L x W x H)	38.5 x 35 x 32 cm
Net Weight	8.3 kg
Gross Weight	10.1 kg
Material	Plastic, Stainless Steel
Power Source	Electric Cable



Figure 7: Side view of the Necchi 175 Overlock Machine. This image provides a side view of the Necchi 175, emphasizing its compact and robust design suitable for various sewing environments.

9. Warranty and Support

For detailed warranty information, please refer to the documentation provided with your purchase or contact your retailer. For technical support, service, or to inquire about replacement parts, please contact the official Necchi customer service or an authorized service center.



Figure 8: Necchi 175 Overlock Machine in a sewing context. The overlock machine is pictured alongside a mannequin displaying a finished garment and rolls of fabric, illustrating its use in creative projects.

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