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› Bernette B48 Funlock Serger Coverstitch Sewing Machine User Manual

Bernette B48

Bernette B48 Funlock Serger Coverstitch Sewing Machine

User Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Bernette B48 Funlock Serger Coverstitch Sewing Machine. The B48 combines overlock and coverstitch functions, offering 23 stitch options for various sewing projects, including quilting and heavy-duty tasks. Please read this manual thoroughly before using the machine to ensure proper setup, operation, and maintenance.

2. SAFETY INSTRUCTIONS

- Always unplug the machine from the electrical outlet immediately after use, before cleaning, or when making any adjustments.
- Keep fingers away from all moving parts, especially the needle, knife, and loopers.
- Use only the accessories recommended by the manufacturer.
- 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.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- 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.

3. PARTS IDENTIFICATION

Familiarize yourself with the main components of your Bernette B48 machine.



Figure 3.1: Front view of the Bernette B48 Funlock machine, showing the main body, needle area, and control dials.



Figure 3.2: Detailed view of the needle area, presser foot, and stitch plate, indicating measurement markings.

4. SETUP

4.1 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 fabric handling and ventilation.

4.2 Power Connection

- Connect the foot controller plug to the machine's power socket.
- Plug the power cord into a suitable electrical outlet.

4.3 Thread Stand Assembly

Assemble the thread stand as shown in the illustration to hold the thread spools securely.



Figure 4.1: The Bernette B48 machine with the thread stand fully assembled and ready for thread spools.

4.4 Threading the Machine

The Bernette B48 features color-coded thread paths and mechanical threaders for the lower and chain loopers to simplify the threading process. Always follow the numbered and color-coded guides for each thread.

1. Raise the presser foot and needles.
2. Follow the color-coded guides for each thread, starting with the loopers (lower and upper) and then the needles.
3. Utilize the mechanical threaders for the loopers as indicated in the machine's internal diagrams.
4. Use the manual needle threader for convenience when threading the needles.



Figure 4.2: The internal mechanism with the looper cover open, revealing the color-coded threading paths for the loopers.

5. OPERATING INSTRUCTIONS

5.1 Stitch Selection

The B48 offers 23 stitch options, including 15 overlock stitches, 3 coverstitches, 4 combo stitches, and 1 chain stitch. Refer to the stitch chart on your machine or in the detailed manual for specific settings for each stitch type.

5.2 Adjusting Stitch Settings

- **Stitch Length:** Adjust the stitch length dial according to your fabric and desired stitch appearance.
- **Stitch Width:** The stitch width can be adjusted to suit your project.
- **Differential Feed:** Use the differential feed to prevent stretching or puckering on various fabrics. Adjust as needed for smooth or gathered effects.
- **Adjustable Knife:** The adjustable knife system allows you to precisely trim fabric edges. Ensure the knife is engaged or disengaged as required for your chosen stitch.

5.3 LED Lighting

The built-in LED light illuminates your workspace, providing clear visibility for intricate stitching and reducing eye strain.

5.4 Foot Pedal Operation

Control the machine's speed by pressing the foot pedal. Press gently for slower speeds and more firmly for faster operation, up to 1300 stitches per minute.

6. MAINTENANCE

6.1 Cleaning

- Regularly clean lint and dust from the machine, especially around the needle plate, feed dogs, and looper area, using a brush or vacuum cleaner.
- Wipe the exterior surfaces with a soft, dry cloth.

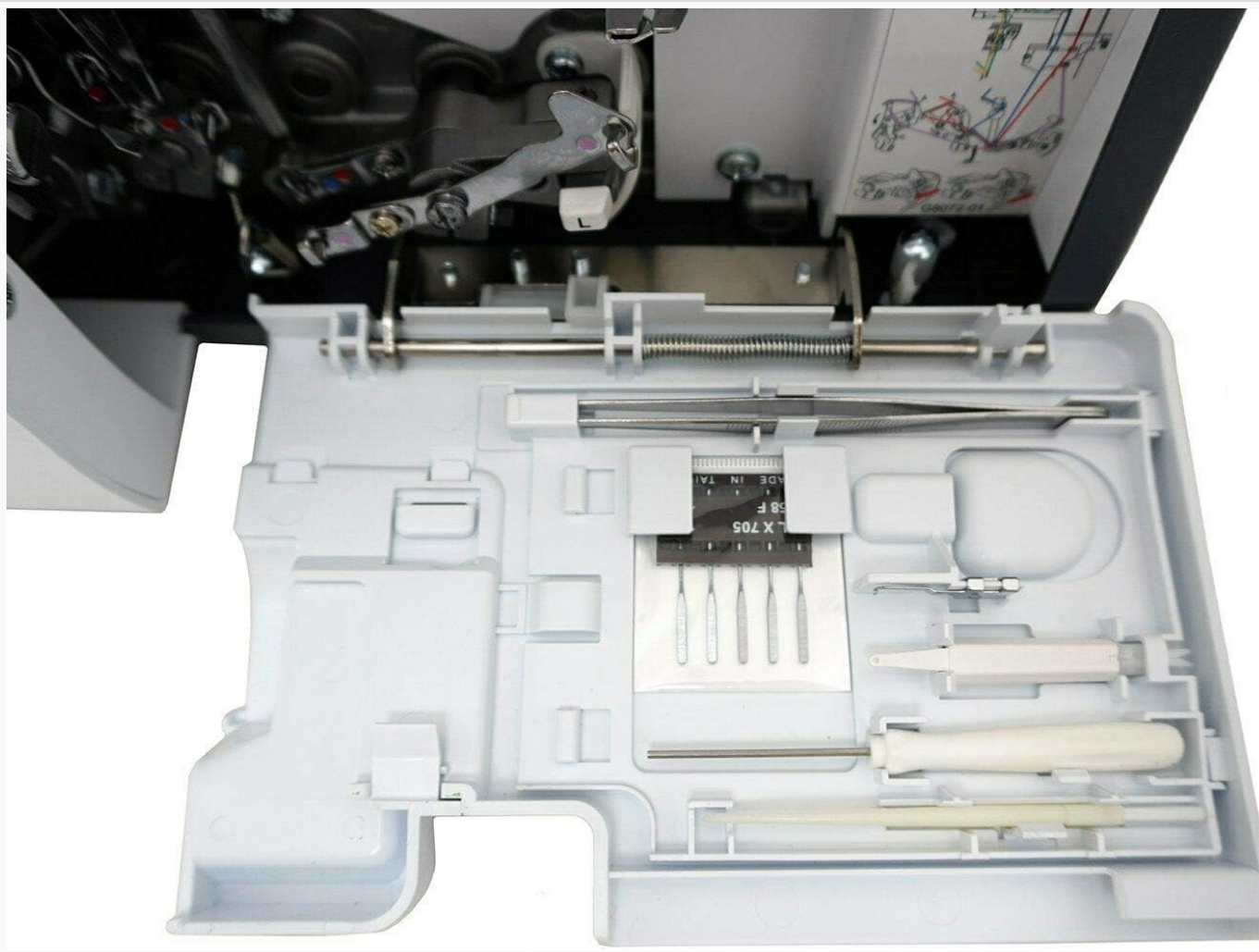


Figure 6.1: The accessory kit, including tools useful for maintenance such as brushes and screwdrivers.

6.2 Lubrication

Refer to the detailed instruction manual for specific lubrication points and frequency. Use only high-quality sewing machine oil.

6.3 Needle Replacement

- Always use the correct type and size of needles for your machine and fabric.
- Loosen the needle clamp screw, remove the old needle, and insert a new one with the flat side facing the back.
- Tighten the needle clamp screw securely.

7. TROUBLESHOOTING

This section addresses common issues you might encounter during operation.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading, incorrect tension.	Replace needle, re-thread machine, adjust tension settings.
Thread Breakage	High tension, poor quality thread, burr on thread path, incorrect threading.	Reduce tension, use quality thread, check thread path for obstructions, re-thread.
Fabric Puckering	Differential feed setting too low, tension too high.	Increase differential feed, reduce tension.

Problem	Possible Cause	Solution
Machine Not Starting	Power cord not plugged in, safety switch engaged, foot pedal issue.	Check power connections, ensure covers are closed, inspect foot pedal.

8. SPECIFICATIONS

- **Model:** Bernette B48 Funlock
- **Stitch Options:** 23 (15 overlock, 3 coverstitch, 4 combo, 1 chain stitch)
- **Maximum Stitch Speed:** 1300 stitches per minute
- **Material:** Metal construction
- **Power Source:** Corded Electric
- **Features:** LED light, Mechanical threaders for loopers, Manual needle threader, Adjustable knife system, Differential feed

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Bernette website. Keep your proof of purchase for warranty claims.

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