

Reliable 700SB

Reliable 700SB Portable Blindstitch Sewing Machine User Manual

Model: 700SB

1. INTRODUCTION

The Reliable 700SB Portable Blindstitch Sewing Machine is engineered for home or small-business use, excelling in blind hemming applications for garments such as pants, skirts, dresses, and draperies. This machine features a true 1:1 to 2:1 skip-stitch function, allowing for seamless transitions between various fabric types. Its design prioritizes ease of use and consistent stitch quality across a range of materials.

2. SAFETY INSTRUCTIONS

- Always unplug the machine from the power outlet when not in use, before cleaning, or when performing maintenance.
- Keep fingers and loose clothing away from the needle and moving parts during operation.
- Ensure the machine is placed on a stable, level surface to prevent tipping.
- Do not operate the machine if the power cord is damaged. Contact qualified service personnel for repair.
- Avoid operating the machine in damp or wet conditions.
- Use only the specified needle system (29BL) and appropriate thread for your sewing tasks.
- Keep out of reach of children.

3. PACKAGE CONTENTS

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

- Reliable 700SB Portable Blindstitch Sewing Machine
- Three (3) Needles
- Two (2) Screwdrivers
- Four-piece (4) Allen Key Set
- One (1) Wrench

- One (1) Tweezers
- One (1) Oiler
- One (1) Table Clamp
- One (1) Knee Lifter
- Instruction Manual (this document)
- Trouble-shooting Guide

4. SETUP

Follow these steps to set up your Reliable 700SB sewing machine:

1. **Placement:** Place the machine on a sturdy, level surface that can support its weight (approximately 6.35 kg). Ensure adequate space around the machine for comfortable operation.
2. **Power Connection:** Connect the variable-speed foot controller to the machine's designated port. Then, plug the machine's power cord into a suitable electrical outlet.
3. **Needle Installation:** Ensure the machine is unplugged. Loosen the needle clamp screw, insert a 29BL needle with the flat side facing the back, and tighten the screw securely.
4. **Thread Installation:** Follow the threading path indicated on the machine, ensuring the thread passes through all guides and the tension discs. Adjust the thread tension dial as needed for your specific fabric and thread type.
5. **Knee Lifter Attachment:** Attach the knee lifter to its designated slot on the machine. This allows for hands-free presser foot lifting during operation.
6. **Table Clamp Usage:** For added stability, use the included table clamp to secure the machine to your work surface.
7. **Initial Lubrication:** Before first use, apply a small amount of sewing machine oil to the designated lubrication points as indicated in the included oiling diagram (refer to the separate troubleshooting guide for details).



Figure 4.1: The Reliable 700SB Portable Blindstitch Sewing Machine. This image shows the overall view of the machine, including the main body, work plate, and various controls.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Power On/Off:** The machine is powered on when plugged in and the foot controller is engaged. Disconnect from power to turn off.
- **Variable-Speed Foot Controller:** Control the sewing speed by applying pressure to the foot controller. Start slowly and gradually increase speed as you become comfortable. The maximum sewing speed is 1725 rpm.
- **Knee-Activated Frame Drop:** Utilize the knee lifter to raise and lower the frame, allowing for simple insertion and removal of fabric without using your hands.
- **Swing-Away Plate:** For sewing flat pieces, such as drapery, the swing-away plate can be moved to provide a flat work surface.



Figure 5.1: Close-up view of the knee-activated frame drop lever. This lever allows for quick and easy fabric positioning.

5.2 Stitch Adjustment

- **Skip-Stitch Function:** The machine features a 1:1 to 2:1 true skip-stitch function. This allows you to select whether every stitch is formed (1:1) or every other stitch is skipped (2:1), which is useful for different fabric types and desired stitch invisibility.
- **Stitch Penetration:** Adjust the stitch penetration using the dedicated dial. This controls how deeply the needle penetrates the fabric, with a range of 0 to 7 mm stitch length. Proper adjustment is crucial for achieving an invisible blindstitch.



Figure 5.2: Close-up of the stitch penetration adjustment dial. This dial allows precise control over the depth of the needle's penetration into the fabric.

5.3 Fabric Handling

The 700SB is designed to handle a wide range of fabrics, from fine sheer materials to heavier woolens. When changing fabric types, it is often necessary to adjust the stitch penetration, thread tension, and potentially the needle size to achieve optimal results.

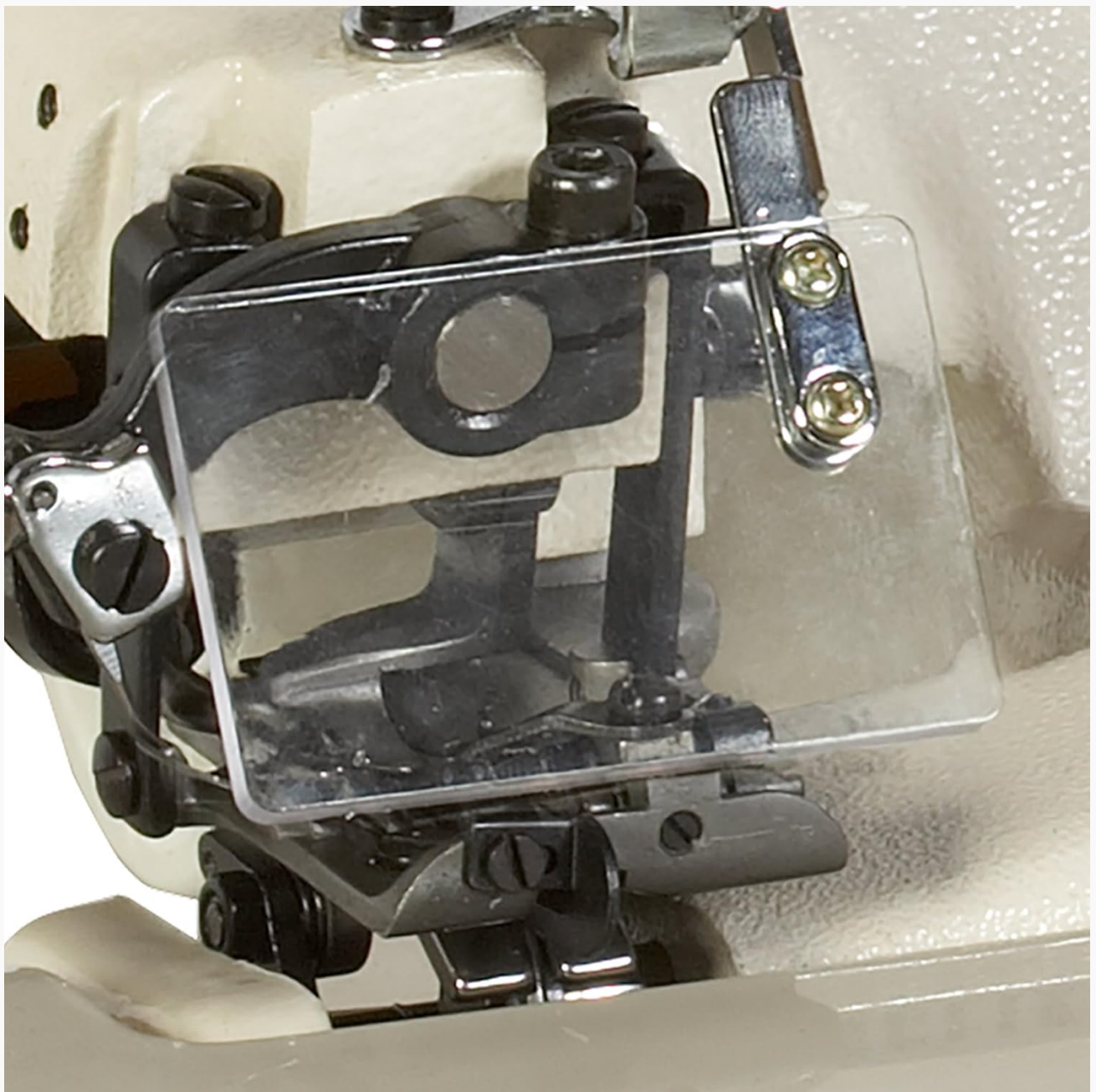


Figure 5.3: Close-up view of the needle area, showing the standard eye guard. This guard provides protection during operation.

6. MAINTENANCE

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

- **Cleaning:** Regularly remove lint and dust from the needle plate area, feed dogs, and bobbin case using a small brush or vacuum cleaner. Accumulation of lint can affect stitch quality and machine operation.
- **Lubrication:** The 700SB requires manual lubrication. Refer to the oiling points diagram in the separate troubleshooting guide. Apply a few drops of high-quality sewing machine oil to these points periodically, especially after extended use.
- **Needle Replacement:** Replace needles frequently, especially when working with new projects or if you notice skipped stitches or fabric damage. A dull or bent needle can cause significant issues.
- **General Care:** Keep the machine covered when not in use to protect it from dust. Avoid pulling on the fabric forcefully while sewing, as this can bend the needle or damage the machine's internal mechanisms.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For more detailed troubleshooting steps, refer to the dedicated troubleshooting guide included with your machine.

- **Skipped Stitches:** Check if the needle is inserted correctly and is not bent or dull. Ensure the correct needle size is used for the fabric. Verify proper threading and tension.
- **Thread Breaking:** Inspect the threading path for any snags or incorrect routing. Check thread tension; it might be too tight. Ensure the needle is not damaged and is the correct size. Use good quality thread.
- **Fabric Not Feeding Properly:** Ensure the feed dogs are engaged. Check for lint buildup under the needle plate. Verify that the presser foot is lowered.
- **Machine Not Starting:** Confirm the power cord is securely plugged in and the foot controller is connected. Check for any obstructions in the handwheel or needle area.


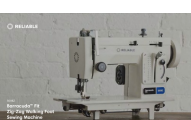



8. SPECIFICATIONS

Feature	Specification
Model Number	700SB
Dimensions (LxWxH)	27.9 x 30.5 x 25.4 Centimeters (11 x 12 x 10 inches)
Item Weight	6.35 kg (6 kg 350 g)
Maximum Sewing Speed	1725 rpm
Stitch Length	0 to 7 mm
Needle Bar Stroke	36 mm
Needle System	29BL
Skip-Stitch Function	1:1 to 2:1 True Skip-Stitch
Lubrication	Manual
Color	White

9. WARRANTY & SUPPORT

The Reliable 700SB Portable Blindstitch Sewing Machine comes with a one-year limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or service inquiries, please refer to the contact information provided in your purchase documentation or visit the official Reliable website. When contacting support, please have your model number (700SB) and proof of purchase readily available.

	<p>Reliable Barracuda™ Fit 500BW Straight Stitch Walking Foot Sewing Machine Manual</p> <p>Comprehensive guide for the Reliable Barracuda™ Fit 500BW Straight Stitch Walking Foot Sewing Machine, covering setup, operation, maintenance, troubleshooting, and warranty information.</p>
	<p>Reliable Barracuda™ Fit 500BW Straight Stitch Walking Foot Sewing Machine Manual</p> <p>Comprehensive user manual and guide for the Reliable Barracuda™ Fit 500BW Straight Stitch Walking Foot Sewing Machine, covering setup, operation, maintenance, troubleshooting, and warranty.</p>
	<p>Reliable Barracuda™ Fit Zig-Zag Walking Foot Sewing Machine Manual</p> <p>Comprehensive manual for the Reliable Barracuda™ Fit Zig-Zag Walking Foot Sewing Machine (Model 500BZ). Learn about setup, operation, maintenance, troubleshooting, and warranty for this heavy-duty sewing machine.</p>
<p>MSK-1541S Industrial Sewing Machine</p>  	<p>Reliable MSK-1541S Industrial Sewing Machine Instruction Manual</p> <p>Comprehensive instruction manual for the Reliable MSK-1541S Industrial Sewing Machine, covering operation, installation, maintenance, troubleshooting, and parts identification. Includes detailed specifications and diagrams.</p>
  	<p>Reliable Brio Pro 1000CC Steam Cleaning System Instruction Manual</p> <p>User manual for the Reliable Brio Pro 1000CC Steam Cleaning System. Covers safety instructions, operating procedures, accessory usage, maintenance, troubleshooting, and technical specifications for effective steam cleaning.</p>
<p>Steamboy PRO T3</p> <p>FLOOR STEAMER / SCRUBBER NETTOYEUR À VAPEUR/LAVOIR À SOLS LAVAPISOS A VAPOR/LUSTROADOR DE PISOS</p>  	<p>Steamboy PRO T3 Floor Steamer/Scrubber Instruction Manual</p> <p>Comprehensive instruction manual for the Reliable Steamboy PRO T3 Floor Steamer/Scrubber, covering safety, assembly, usage, maintenance, troubleshooting, and warranty information.</p>