

CNCEST SM 6-9

CNCEST Industrial Electric Lockstitch Sewing Machine SM 6-9 Instruction Manual

Model: SM 6-9

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your CNCEST Industrial Electric Lockstitch Sewing Machine, Model SM 6-9. This heavy-duty machine is designed for stable performance, featuring an automatic lubrication system and a large double-thread rotary hook to enhance sewing efficiency. It is suitable for various materials, including thick fabrics, leather products, jeans, and tents. Please read this manual thoroughly before operating the machine to ensure proper usage and to prevent damage or injury. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

Always adhere to the following safety guidelines to prevent accidents and ensure safe operation:

- Ensure the machine is unplugged from the power source before performing any maintenance, cleaning, or when changing needles or presser feet.
- Keep fingers and hands away from the needle, presser foot, and other moving parts during operation.
- Do not operate the machine with damaged wiring or if it has been dropped or damaged.
- Use only the specified needle type (DP*5 No. 17) and ensure it is correctly installed.
- Keep the work area well-lit and free from clutter.
- Avoid operating the machine in damp or wet conditions.
- Children should not operate this machine without direct adult supervision.
- Wear appropriate eye protection when operating the machine.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- 1x Sewing Machine Head (SM 6-9)
- 1x Chinese and English Operation Manual
- 3x Needles DP*5 17#
- 3x Bobbins
- 1x Rubber Cap
- 1x Head Rest
- 1x Oil Pan
- 1x Head Hinge
- 1x Screwdriver
- 1x Belt Cover Assy
- 1x Bobbin Winder Assy
- 1x Knee Lifter Assy
- 1x Line Stand Assy
- 1x Belt (M40)



Figure 3.1: Included accessories and parts for the CNCEST SM 6-9 sewing machine. This image displays various components such as bobbins, needles, screwdrivers, and other assembly parts.



Figure 3.2: The drive belt and an oil bottle, essential for machine operation and maintenance, are included in the package.

4. SPECIFICATIONS

Key technical specifications for the CNCEST SM 6-9 Industrial Electric Lockstitch Sewing Machine:

Feature	Specification
Model Number	SM 6-9
Color	White
Material	Cast Iron, Steel, Plastic
Top Speed	3000 Stitches Per Minute (S.P.M.)

Feature	Specification
Needle Used	1
Needle Type	DP*5 No. 17
Maximum Stitch Spacing	8 mm (0.31 in)
Sewing Foot Stroke (Manual)	5 mm (0.2 in)
Sewing Foot Stroke (Knee Control)	13 mm (0.5 in)
Lubrication Method	Automatic Lubrication of the Oil Pump
Product Dimensions (L x W x H)	47 x 17 x 32 cm (18.5 x 6.7 x 12.6 in)
Net Weight	29 kg (64 lbs)
Gross Weight	35 kg (77 lbs)



Figure 4.1: Overview of the CNCEST SM 6-9 sewing machine with its primary dimensions labeled for reference.

5. SETUP

This section guides you through the initial assembly and preparation of your sewing machine.

5.1 Assembly

The CNCEST SM 6-9 requires some assembly. Refer to the included Chinese and English Operation Manual for detailed, step-by-step assembly instructions. Key assembly steps typically include:

- Mounting the machine head onto a suitable industrial sewing machine table (not included).
- Installing the motor and connecting the drive belt (M40).
- Assembling the bobbin winder and line stand.
- Attaching the knee lifter assembly.



Figure 5.1: The sewing machine head positioned on a table, illustrating the main body and a detailed view of the needle and feed dog area, crucial for initial setup and threading.

5.2 Initial Lubrication

The machine features an automatic lubrication system via an oil pump. Before first use, ensure the oil pan is filled with appropriate industrial sewing machine oil to the indicated level. The machine will continuously supply oil to structural parts during operation, ensuring smooth performance and durability.

6. OPERATING INSTRUCTIONS

Follow these steps for proper operation of your sewing machine.

6.1 Threading the Machine

Accurate threading is crucial for proper stitch formation. Refer to the detailed threading diagrams in the included manual. Generally, threading involves:

1. Placing the thread spool on the thread stand.
2. Guiding the thread through the tension discs.
3. Passing the thread through the take-up lever.
4. Threading the needle from front to back.
5. Winding and inserting the bobbin into the rotary hook assembly.



Figure 6.1: A detailed view of the needle plate, feed dogs, and the area where the needle penetrates the fabric, essential for correct threading and fabric feeding.

6.2 Adjusting Stitch Length and Tension

- **Stitch Length:** Use the precision dial on the machine head to adjust the stitch length. The digital marker plate allows for easy selection of stitch size up to a maximum of 8 mm (0.31 in).
- **Thread Tension:** The knob-type stitch gripper allows for easy adjustment of the upper thread tension. Turn the knob left or right to increase or decrease tension as needed for your specific fabric and thread combination.



Figure 6.2: The side of the sewing machine, highlighting the stitch length adjustment dial with numerical markings for precise control over stitch size.

6.3 Sewing Process

1. Place the fabric under the presser foot.
2. Lower the presser foot using the knee control or manual lever.
3. Start the machine slowly and guide the fabric gently.
4. The machine's linkage feeding mechanism ensures stable operation and consistent stitch quality.
5. To finish, raise the needle to its highest position, lift the presser foot, and remove the fabric. Cut the threads.

7. MAINTENANCE

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

7.1 Cleaning

- **Daily:** Remove lint and dust from the needle plate, feed dogs, and bobbin area using a small brush or vacuum cleaner.
- **Weekly/Monthly:** For more thorough cleaning, remove the needle plate and clean underneath it. Ensure all thread scraps and lint are removed from the rotary hook area.

7.2 Lubrication

The CNCEST SM 6-9 features an automatic oil pump lubrication system. Regularly check the oil level in the oil pan and refill as necessary with high-quality industrial sewing machine oil. The silicone oil line device ensures continuous lubrication during operation, reducing noise and wear.

Periodically inspect all moving parts for proper lubrication and ensure no oil leaks are present. If manual oiling points are indicated in the detailed manual, apply oil as directed.

8. TROUBLESHOOTING

This section addresses common issues you might encounter during operation.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle installation, bent needle, wrong needle type, improper threading.	Reinstall needle correctly, replace bent needle, use DP*5 No. 17 needle, re-thread machine.
Thread Breakage	Too much upper thread tension, burrs on needle plate, poor quality thread, incorrect threading.	Reduce upper thread tension, smooth burrs, use quality thread, re-thread machine.
Uneven Stitches	Incorrect thread tension, worn feed dogs, inconsistent fabric feeding.	Adjust thread tension, clean feed dogs, ensure consistent fabric guidance.
Machine Noise/Vibration	Lack of lubrication, loose parts, foreign objects.	Check oil level and refill, tighten loose screws, remove any obstructions.

If the problem persists after attempting these solutions, please contact customer support.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support, spare parts, or service inquiries, please reach out to CNCEST customer service through their official channels. When contacting support, please have your machine's model number (SM 6-9) and purchase details readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question