

YIYIBYUS SM-2972

YIYIBYUS SM-2972 Hand Crank Industrial Patcher Sewing Machine User Manual

Model: SM-2972

INTRODUCTION

This manual provides instructions for the YIYIBYUS SM-2972 Hand Crank Industrial Patcher Sewing Machine. This machine is designed for sewing and repairing thick materials such as leather, rubber, plastic, nylon thread, polyester, cotton, and canvas. It is suitable for items like shoes, boots, slippers, bags, dolls, cylindrical objects, raincoats, leather bags, trousers, and canvas tents.

The machine features omnidirectional sewing with a 360-degree rotatable presser foot, allowing for precise stitch adjustments. Its manual operation provides control over sewing speed and accuracy, making it suitable for various repair and crafting projects.

SAFETY INSTRUCTIONS

- Always ensure the machine is stable on a flat, sturdy surface before operation.
- Keep hands and fingers clear of the needle area and moving parts during operation.
- Do not attempt to operate the machine if any parts are damaged or missing.
- Use appropriate needles (DP*17 16#) for the material being sewn.
- Keep lubricating oil and small accessories out of reach of children.

PRODUCT OVERVIEW

The YIYIBYUS SM-2972 is a manual single-needle, straight-stitch industrial patcher sewing machine. It is constructed from durable cast iron with a plastic spraying treatment for longevity. Its design allows for versatile use on various thick materials.



Image: A full view of the YIYIBYUS SM-2972 Hand Crank Industrial Patcher Sewing Machine, showcasing its robust cast iron construction, large handwheel, and extended arm for working with various materials.

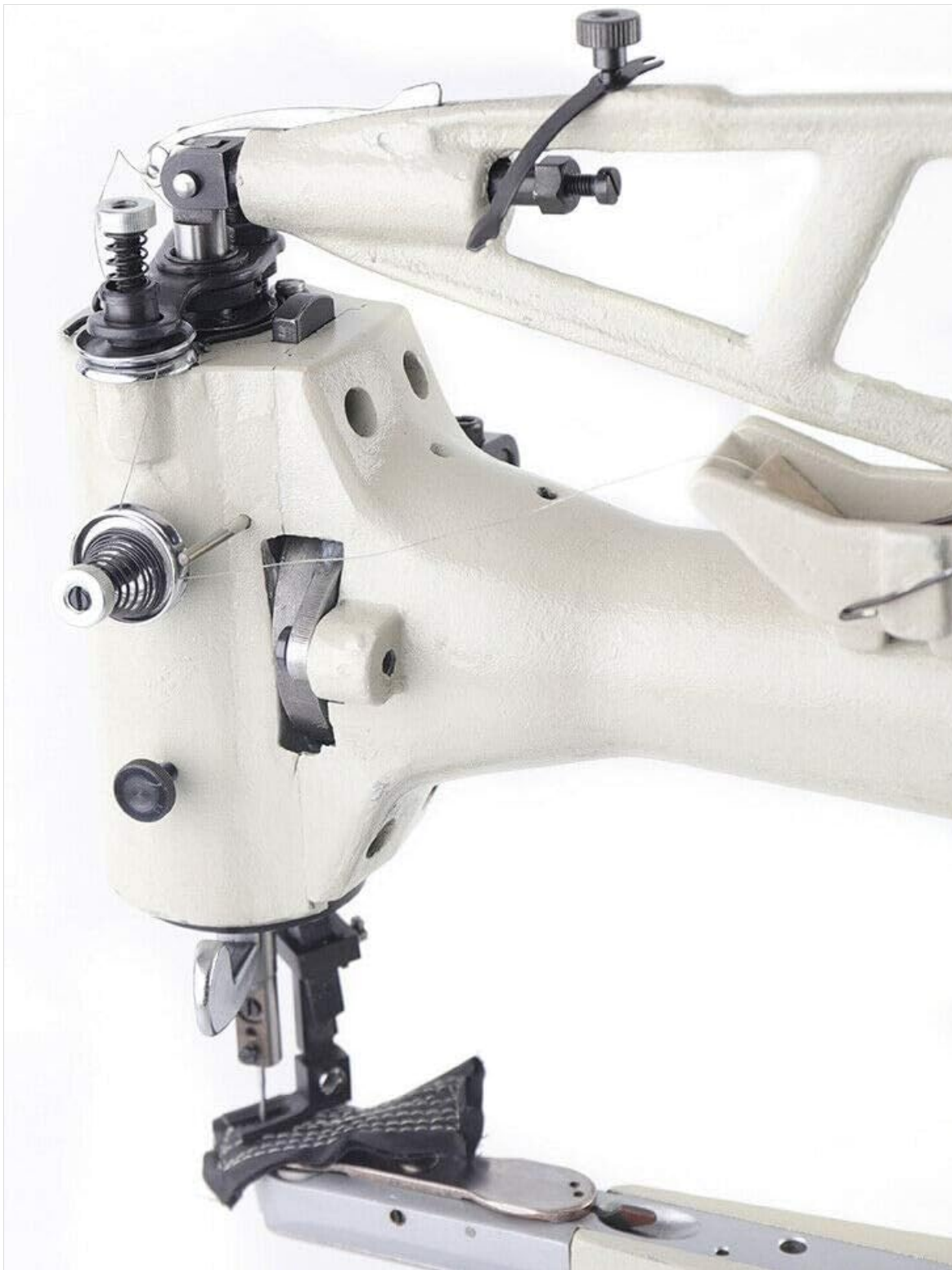


Image: A close-up view of the needle and presser foot area of the YIYIBYUS SM-2972 sewing machine, highlighting the small cylinder diameter suitable for intricate work.

SETUP

1. **Install the Coil:** Install the prepared thread coil onto the designated holder on the machine head.
2. **Thread Routing:** Pull the thread from the coil and carefully route it through all tension guides and the take-up lever as indicated in the detailed user manual. Ensure the thread moves freely.
3. **Needle Orientation:** When inserting the needle (DP*17 16#), ensure that the groove on the needle faces left. Incorrect needle orientation will lead to thread breakage and skipped stitches.

4. **Material Placement:** Lift the presser foot and place the material to be sewn on the machine's work surface, positioning it under the presser foot.
5. **Initial Lubrication:** This machine requires manual lubrication. Add lubricating oil to all specified lubrication points before the first use and before each subsequent use to ensure smooth operation and prevent wear.



Image: A side view of the YIYIBYUS SM-2972 sewing machine, illustrating its general structure and components relevant to setup.

OPERATING INSTRUCTIONS

The YIYIBYUS SM-2972 is a manual machine, providing the operator with direct control over the sewing process.

1. **Starting Operation:** With the material positioned, gently shake the handwheel to initiate the needle movement and begin stitching.

2. **Speed Control:** The sewing speed is directly controlled by the rotation speed of the handwheel. Adjust your pace according to the material and desired stitch precision. The maximum sewing speed is 500 stitches per minute (spm).
3. **Omnidirectional Sewing:** The presser foot can be rotated 360 degrees. Utilize this feature to adjust the sewing direction at any time, which is particularly useful for sewing curves, corners, or cylindrical objects.
4. **Stitch Length:** The machine produces a fixed stitch length of 5mm (0.20in).
5. **Small Cylinder Diameter:** The machine's small cylinder diameter (less than 30mm / 1.81in) facilitates sewing on items with small angles or narrow openings.



Image: A user operating the YIYIBYUS SM-2972 sewing machine, demonstrating how material is guided under the needle for stitching.

MAINTENANCE

- **Lubrication:** Manually add lubricating oil to all moving parts before each use. Refer to the included English &

Chinese User Manual for a detailed diagram of specific lubrication points.

- **Cleaning:** Regularly clean lint, dust, and fabric scraps from the shuttle area, feed dogs, and around the needle plate. Use a small brush or compressed air.
- **Needle Replacement:** Replace needles (DP*17 16#) regularly, especially if they become bent, dull, or broken. A worn needle can damage fabric and cause poor stitch quality.
- **Storage:** When not in use, cover the machine and store it in a clean, dry environment to protect it from dust and moisture, which can lead to rust.

TROUBLESHOOTING

- **Thread Breakage:**
 - Ensure the needle groove faces left.
 - Check for correct thread tension; it should not be too tight.
 - Verify the needle is not bent, dull, or the wrong type.
 - Avoid turning the handwheel upside down during use, as this can cause the shuttle to knock inside and break the thread.
- **Skipped Stitches:**
 - Check needle installation; ensure it is fully inserted and correctly oriented.
 - Confirm the needle type is DP*17 16#.
 - Ensure the material is feeding smoothly and not being pulled excessively.
- **Uneven Stitches:**
 - Review thread tension settings for both upper and lower threads.
 - Ensure the material is fed consistently without pushing or pulling.
- **Machine Jamming:**
 - Remove any tangled threads or fabric scraps from the bobbin case and needle plate area.
 - Ensure proper lubrication of all moving parts.

For further assistance, refer to the included English & Chinese User Manual or contact YIYIBYUS customer support.

SPECIFICATIONS

Feature	Specification
Model	SM-2972
Needle Type	DP*17 16#
Color	White
Material	Cast Iron (Plastic Spraying Treatment)
Operation Mode	Manual

Feature	Specification
Stitch Type	Single Needle, Straight Stitch
Max. Sewing Speed	500spm
Cylinder Diameter	< 30mm (1.81in)
Stitch Length	5mm (0.20in)
Arm Length	30cm (11.81in)
Presser Lift Height	10.5mm (0.41in)
Net Weight	27kg (59.52lb)
Product Dimensions (L*W*H)	43*20*43cm (16.93*7.87*16.93in)

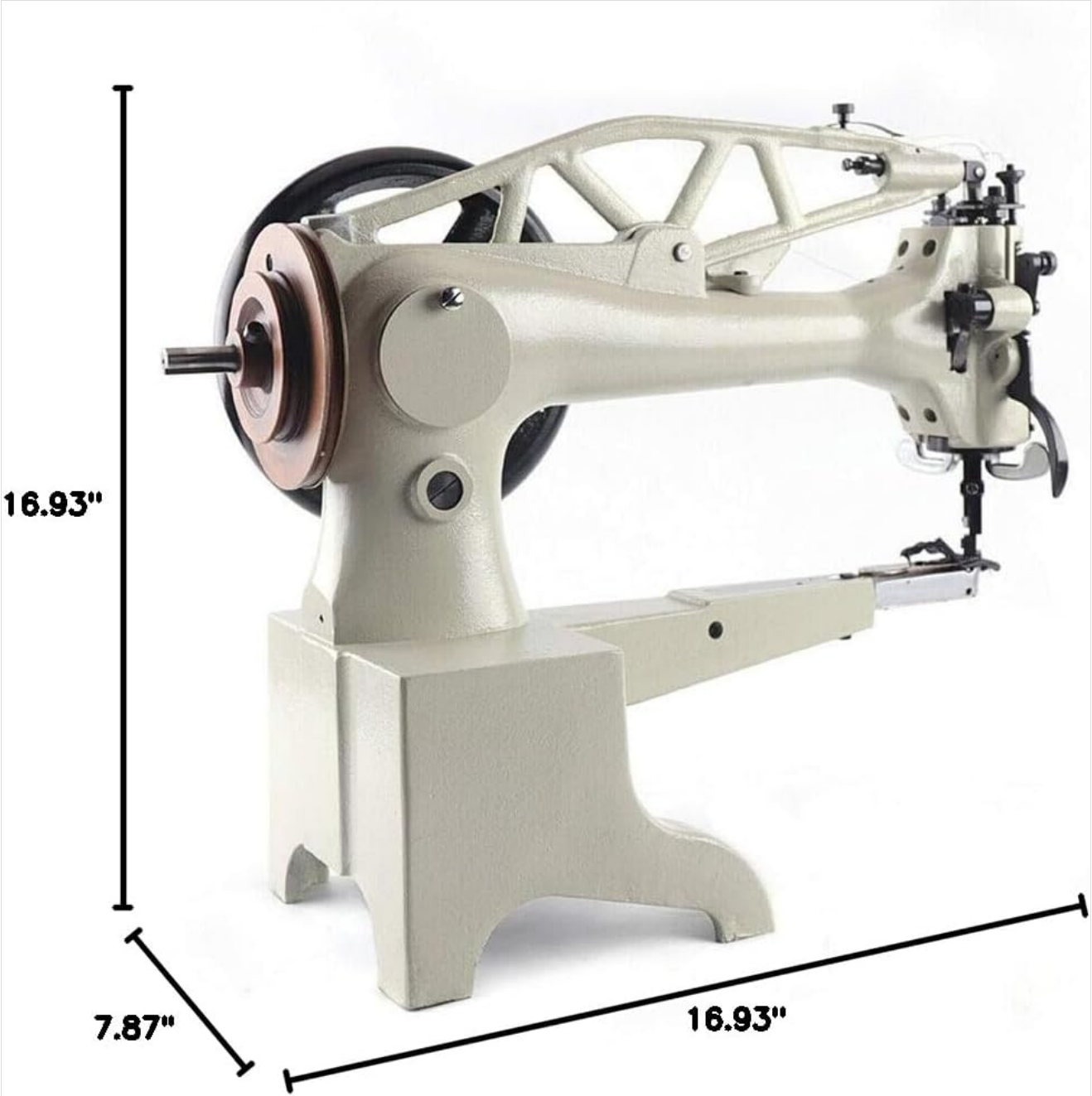


Image: A diagram illustrating the key dimensions of the YIYIBYUS SM-2972 Hand Crank Industrial Patcher Sewing Machine.

WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the English & Chinese User Manual included with your product. You may also contact the manufacturer, YIYIBYUS, directly for assistance with any product-related inquiries or issues.

Please note that this product does not include a table stand motor; it is designed for manual operation.

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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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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