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› LetCart 505A Portable Electric Sewing Machine User Manual

LetCart 505A

LetCart 505A Portable Electric Sewing Machine User Manual

Model: 505A | Brand: LetCart

INTRODUCTION

Thank you for choosing the LetCart 505A Portable Electric Sewing Machine. This manual provides essential information for the safe and efficient operation of your new sewing machine. Please read it thoroughly before use and keep it for future reference. This machine is designed for various sewing tasks, offering 12 stitch patterns, pedal control, a thread cutter, and a work light, making it suitable for beginners and DIY enthusiasts.

PRODUCT OVERVIEW AND FUNCTIONAL ANALYSIS

Familiarize yourself with the components of your sewing machine to ensure proper operation.

○ Functional Analysis



Figure 1: Functional diagram of the LetCart 505A sewing machine, highlighting key parts such as the stitch selector, handwheel, upper thread tension adjustment knob, take-up rod, thread cutter, illumination light, presser foot switch, lock cylinder cover, scale, cylinder groove, backstitch button, body switch, and storage drawer.

- **Stitch Selector:** Dial to choose from 12 different stitch patterns.
- **Handwheel:** Manually raises and lowers the needle.
- **Upper Thread Tension Adjustment Knob:** Controls the tension of the upper thread.
- **Take-up Rod:** Guides the upper thread during stitching.
- **Thread Cutter:** Conveniently cuts threads after sewing.
- **Illumination Light:** Provides light to the sewing area.
- **Presser Foot Switch:** Controls the presser foot.
- **Lock Cylinder Cover:** Secures the bobbin area.
- **Scale:** Measurement guide on the sewing plate.
- **Cylinder Groove:** Allows for sewing tubular items like sleeves and trouser legs.
- **Backstitch Button:** Engages reverse stitching for securing seams.
- **Body Switch:** Main power switch for the machine.
- **Storage Drawer:** Pull-out compartment for accessories.

PRODUCT COMPONENTS

The following items are typically included with your LetCart 505A sewing machine.

PRODUCT LIST



Sewing machine host*1



Threader*1



Pedal*1



Needle*2



Large coil *3



Lock cylinder*3



Manual*1



Lock cylinder*3

Figure 2: Image showing the main sewing machine unit and included accessories: Threader (x1), Pedal (x1), Needle (x2), Large Coil (x3), Lock Cylinder (x3), User Manual (x1), and Power Adapter (x1).

- Sewing Machine Host (x1)
- Threader (x1)
- Foot Pedal (x1)
- Needles (x2)
- Large Thread Coils (x3)
- Bobbins (x3)
- User Manual (x1)
- Power Adapter (x1)

SETUP

1. Powering the Machine

Your sewing machine can be powered by either the included external power adapter or 4 AA batteries (not included).



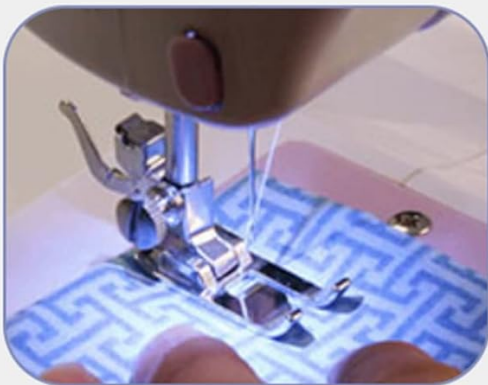
Cylinder seam function

Specially designed for sewing all kinds of tubular garments, such as pomelo mouth, trouser legs, etc.



Self-winding

Fully automatic and fast bottom thread winding function



Flashlight

Easy to stitch and stitch when the light is insufficient



Power Mode

External power supply, or use 4" AA batteries

Figure 3: This image illustrates the power mode options (external power supply or 4 AA batteries), the cylinder seam function for tubular garments, the self-winding feature for bobbins, and the built-in flashlight for improved visibility.

- **Using the Power Adapter:** Insert the adapter plug into the DC input jack on the machine and then plug the adapter into a standard wall outlet.
- **Using Batteries:** Open the battery compartment cover on the bottom of the machine and insert 4 AA batteries, ensuring correct polarity. Close the cover securely.

2. Bobbin Winding (Self-Winding Function)

The machine features an automatic bobbin winding function.

1. Place a spool of thread on the spool pin.
2. Guide the thread through the bobbin winding tension disc.
3. Place an empty bobbin onto the bobbin winder spindle.
4. Wrap the thread around the bobbin a few times clockwise.

5. Push the bobbin winder spindle to the right.
6. Turn on the machine. The bobbin will automatically wind.
7. Once the bobbin is full, turn off the machine, cut the thread, and push the spindle back to the left.

3. Threading the Machine

Proper threading is crucial for good stitch quality. Refer to the detailed diagrams in the included physical manual for precise threading steps.

1. Raise the needle to its highest position using the handwheel.
2. Place a spool of thread on the spool pin.
3. Guide the thread through the upper thread guide.
4. Pass the thread through the tension discs.
5. Thread the take-up lever from right to left.
6. Guide the thread down through the needle bar thread guide.
7. Thread the needle from front to back using the provided threader if needed.
8. Pull about 6 inches of thread through the needle eye.
9. Insert the wound bobbin into the bobbin case under the needle plate. Ensure the thread comes out in the correct direction (refer to manual).
10. Close the bobbin cover.
11. Hold the upper thread, turn the handwheel towards you to lower and raise the needle, catching the bobbin thread. Pull both threads to the back under the presser foot.

OPERATING INSTRUCTIONS

1. Stitch Selection

Your machine offers 12 different stitch patterns. Turn the stitch selector dial to choose your desired stitch.



Figure 4: The stitch selector dial allows you to choose from 12 stitch patterns, including straight stitches, curves, simple overlock, and buttonhole stitches. The image also shows the machine in operation, demonstrating its compact size.

- Patterns include straight stitches, zigzag stitches, decorative stitches, and a buttonhole stitch.
- Always select the stitch pattern before you begin sewing.

2. Speed Adjustment

Control your sewing speed using the manual speed adjustment switch or the foot pedal.

Durable parts quality

Strong frame, strong bearing capacity, low operating noise, long service life



Manual speed adjustment

One-button speed adjustment



speed pedal

Simple and convenient, control the sewing speed at will, the heavier the faster



Upper thread tension adjustment knob

Adjustable upper thread tension



Pull-out storage box

The fuselage comes with a storage box, which is convenient for storing parts

Figure 5: This image displays the manual speed adjustment switch (OFF, L for Low, H for High), the foot pedal for variable speed control (press harder for faster speed), the upper thread tension adjustment knob, and the convenient pull-out storage box for accessories.

- **Manual Speed:** Use the "OFF L H" switch on the machine body to select between Low (L) and High (H) speeds.
- **Foot Pedal:** Connect the foot pedal to the machine. Press the pedal to start sewing; the harder you press, the faster the machine will sew. Release the pedal to stop.

3. Backstitch Function

To secure the beginning and end of a seam, use the backstitch function.

- While sewing, press and hold the backstitch button (refer to Figure 1) to sew in reverse.
- Release the button to resume forward stitching.
- Perform a few backstitches at the start and end of your seam to prevent unraveling.

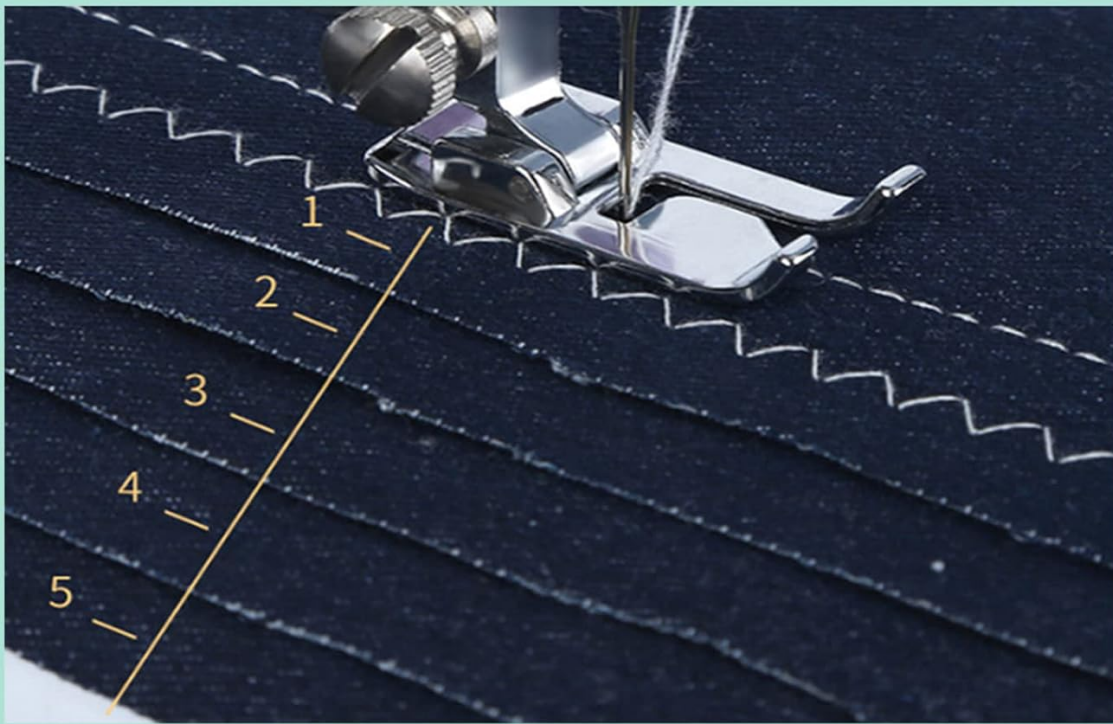
4. Cylinder Seam Function

The machine's design allows for easy sewing of tubular items.

- Remove the accessory storage drawer to reveal the free arm (cylinder groove).
- Slide the tubular garment (e.g., sleeve, trouser leg) onto the free arm.
- This feature simplifies sewing cuffs, pant hems, and other small, circular items.

5. Fabric Compatibility

The LetCart 505A is suitable for a variety of fabrics.



Fits a variety of fabrics

Meet the needs of a variety of fabrics, giving you the best operating experience.



plain denim



cotton



Stretch fabrics



thin fabric



chiffon

Remarks: When sewing thin, soft and elastic fabrics, you need to purchase a special needle to prevent jumping stitches

Figure 6: This image demonstrates the machine's ability to sew various fabrics, including plain denim, cotton, stretch fabrics, thin fabric, and chiffon. It also notes that for thin, soft, and elastic fabrics, a special needle may be required to prevent skipped stitches.

- The machine can handle fabrics such as plain denim, cotton, stretch fabrics, thin fabrics, and chiffon.
- **Important:** For very thin, soft, or elastic fabrics, it is recommended to use a special needle designed for those materials to prevent skipped stitches and ensure smooth operation.

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

- **Cleaning:** Regularly clean lint and dust from the bobbin area and feed dogs using a small brush. Disconnect power before cleaning.
- **Needle Replacement:** Replace needles frequently, especially when they become dull or bent, to prevent skipped stitches and fabric damage.
- **Lubrication:** Refer to the detailed physical manual for specific lubrication points and frequency, if applicable.
- **Storage:** When not in use, store the machine in a dry, dust-free environment.

TROUBLESHOOTING

If you encounter issues, consult this section for common solutions.

Problem	Possible Cause	Solution
Machine not turning on	No power supply; power switch off; batteries depleted or incorrectly inserted.	Check power adapter connection or battery installation. Ensure the body switch is ON.
Skipped stitches	Incorrect needle for fabric; bent or dull needle; improper threading; incorrect thread tension.	Replace needle with appropriate type; re-thread machine carefully; adjust thread tension.
Thread breaking	High thread tension; poor quality thread; needle bent or dull; incorrect threading.	Reduce upper thread tension; use good quality thread; replace needle; re-thread machine.
Fabric not feeding	Presser foot not lowered; feed dogs clogged with lint.	Lower the presser foot; clean the feed dog area.

For further assistance, please refer to the "Warranty and Support" section.

SPECIFICATIONS

Feature	Detail
Brand	LetCart
Model	505A
Color	Purple
Material	Metal
Product Dimensions	31P x 15I x 29H cm (approximately 12.2 x 5.9 x 11.4 inches)
Item Weight	2 Kilograms (approximately 4.4 lbs)
Power Source	Corded Electric or 4x AA Batteries
Stitch Patterns	12 built-in stitch patterns

Feature	Detail
Features	Double thread sewing, tubular sewing, backstitch, automatic bobbin winding, one-step buttonhole, work light, thread cutter, foot pedal.

WARRANTY AND SUPPORT

LetCart is committed to providing excellent customer service.

- For any questions regarding your LetCart 505A sewing machine, please contact our customer support team.
- Detailed instructions and video guides are available to assist you with product usage.
- Our support team is available 24/7 to address your inquiries.

Please refer to your purchase documentation for specific warranty terms and contact information.