

# sewMighty®

[www.sewmighty.com](http://www.sewmighty.com)

## Mighty Mini Sewing Machine



## OPERATION MANUAL

(Please read manual carefully before using the SewMighty™)

## **Congratulations on your new purchase of the SewMighty® Mighty Mini Sewing Machine!**

Sewing for all your personal needs has never been easier. Mending or creating masterpieces for yourself and as memorable gifts isn't wishful thinking anymore.

You can do it all with the easy-to-use, lightweight SewMighty®.

Now you can make repairs to clothing, curtains, bedding -- virtually all the fabric items in your home.

Don't throw it away! You can mend it 1-2-3! Save a lot of cash and have a lot of fun doing it. It is so satisfying when you can say "I did it myself".

See more Tips & Ideas on pages 10 & 11.

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# SAFETY & PRECAUTIONS

**IMPORTANT: THE POWER ADAPTER & BATTERIES CANNOT BE USED AT THE SAME TIME. THERE CANNOT BE ANY BATTERIES IN THE SewMighty® , IF USING THE POWER ADAPTER. THIS WILL DAMAGE THE SewMighty® .**

**\*\* REMOVE ALL BATTERIES WHEN USING POWER ADAPTER. \*\***

Remove batteries when the machine is not in use for long periods. This saves battery life and protects the machine. Keep extra batteries on hand so projects will not be interrupted when batteries need to be replaced.

The SewMighty® is an electrical appliance when used with power adapter. Do not submerge the unit or any other parts in water. Do not operate the sewing machine with wet hands, without shoes, or while standing in water or on a wet surface when using the Power Adapter.

Never open the main motor case of the machine. The mechanism has been factory adjusted.

**ALWAYS** disconnect or remove power supply, including batteries, when changing needles or threading the SewMighty® .

Never use with a damaged power cord or plug.

Keep the power cord away from heated surfaces.

Do not close door on cord or pull around sharp edges, this could cause the cord to become punctured or damaged and could result in injury.

Do not unplug by pulling or tugging on the cord. Grasp the plug with dry hands to remove the plug from the outlet.

Always check the threading of the lock-stitch before beginning to sew a seam. Improper threading, or placement of the bobbin in the case, will result in damage to the SewMighty® .

**Do not pull on fabric** as you sew, Gently guide only. Pulling could break the needle and result in damage to the SewMighty® .

The SewMighty® is not a toy. Use of the SewMighty® with children **MUST** be supervised by an adult.

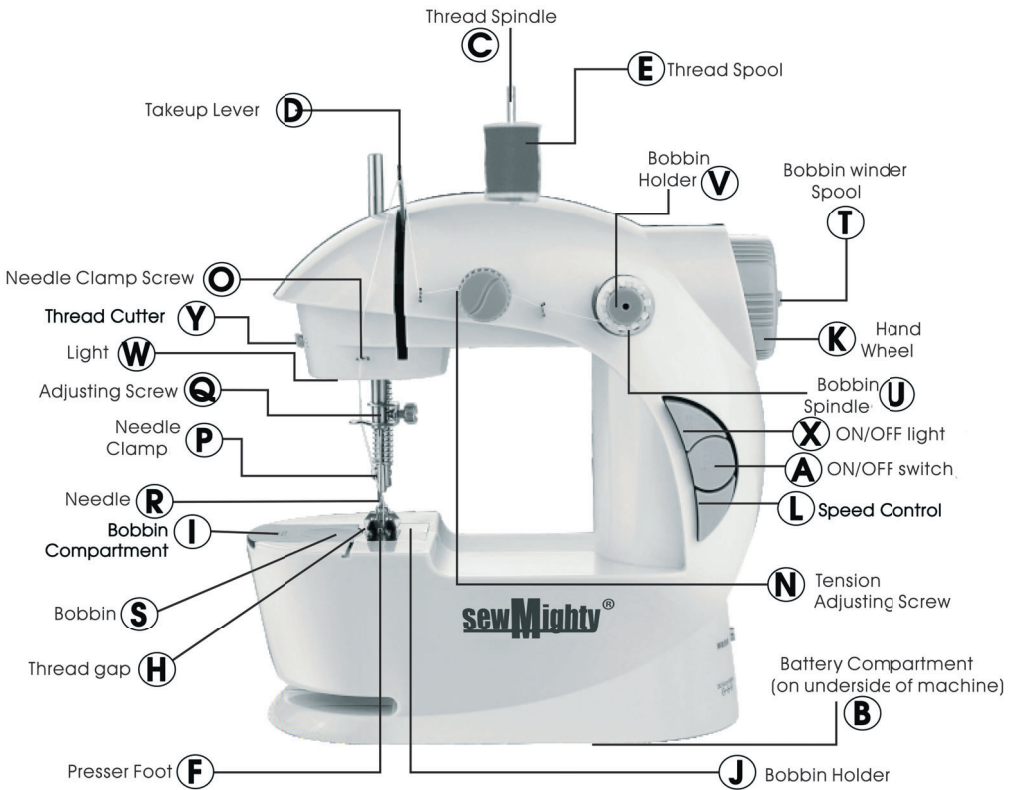
Do not change needles or thread the SewMighty® while unit is on. **DO NOT touch needles before you turn off the power.**

Do not sew clothing while it is on your body.

Use only the power adapter recommended (Sold Separately) by the manufacturer. Any other adapter may cause injury or damage to the machine.

Never leave the swing machine unattended while plugged in. Turn switch off and unplug the cord when not in use.

# PARTS & ACCESSORIES



## BACK OF UNIT



## ACCESSORIES



# PARTS LIST

- A- ON/OFF Switch
- B- Battery Compartment (bottom of unit)
- C- Thread Spindle
- D- Take-up Lever
- E- Thread Spool
- F- Presser Foot
- G- Presser Foot Lever
- H- Thread Gap
- I- Bobbin Compartment
- J- Bobbin Holder
- K- Hand Wheel
- L- Speed Control
- M- Foot Pedal Jack
- N- Tension Adjusting Screw
- O- Needle Clamp Screw
- P- Needle Clamp
- Q- Adjusting Screw
- R- Needle
- S- Bobbin
- T- Bobbin Winder Spool
- U- Bobbin Spindle
- V- Bobbin Holder
- W- LED Light
- X- ON/OFF Light
- Y- Thread Cutter
- Z- Power Adapter DC Jack

# ACCESSORIES LIST

- (1) Foot Pedal controller
- (1) Power Adapter DC
- (1) Needle
- (1) Needle Threader
- (1) Large Extension Table
- (4) Metal Bobbins
- (1) 60" Tape Measure

## BEFORE SEWING

- (1) Check if the needle thread and bobbin thread are available. The machine must be threaded correctly (Both needle thread and bobbin thread, refer to Pages 6-7 "Threading the Machine"). A wrong threading will cause skipped stitches (cannot sew), thread breaking and irregular stitches.
- (2) Check if the needle is threaded from left to right (the right side is the Hand-wheel) refer to Pages 6-7 "Threading the Machine"
- (3) Check if the needle is inserted in correct position (its flat side towards the machine, refer to Page 9 "Needle Replacement").
- (4) Check if the machine power is "OFF" (Automatic Sewing Button), **if not, turn the power switch OFF. IMPORTANT.**
- (5) Insert the Power Adapter into the machine socket on back of machine

**\*\* IMPORTANT \*\***

**Note: AC Power Adapter and batteries CANNOT be used at the same time.**

- (6) Insert the Power Adapter plug into the wall outlet.
  - (7) Insert the Foot Pedal into jack on back of machine, if you need it.
- \*\* Note: Foot Pedal and On/Off Button (automatic) cannot be used at the same time. \*\***

## START TO SEW

- (1) Raise up the presser foot by pulling its lever, raise the needle up to its highest position by turning the Hand Wheel towards you.
- (2) Pull at least 10 cm (4 inches) needle thread from needle. Put the needle thread and bobbin thread under and behind the presser foot.
- (3) Insert the fabric under the presser foot.
- (4) Lay down presser foot.

# START TO SEW

(1) Raise up the presser foot by pulling its lever, raise the needle up to its highest position by turning the Hand Wheel towards you.

(2) Pull at least 10 cm (4 inches) needle thread from needle. Put the needle thread and bobbin thread under and behind the presser foot.

(3) Insert the fabric under the presser foot.

(4) Lay down presser foot.

(5) Select sewing mode----- Foot Pedal, or On/Off Button (automatic). Select the speed (slow or fast) according your need.

**IMPORTANT: Foot Pedal and On/Off Button cannot be used at the same time.**

(6) Sew some stitches on the fabric manually by turning Hand-wheel towards you to stabilize the stitches. **IMPORTANT!**

(7) Turn it on by Auto-sewing button or Foot Pedal to sew.

**Note: It is suggested that you try some sewing on a test fabric to adjust the thread's tension accordingly. (Page.5 "Adjust Thread Tension")**

(8)Switch off the machine immediately when encountering thread breaking or jamming.

# FINISH SEWING

1. After your finished sewing, raise up the Presser Foot, and raise up the needle to its highest position by turning the Hand-wheel.

2. Pull the fabric gently, **DO NOT** pull it by force, otherwise it will warp or break the needle. You can turn the Hand-wheel up and down during pulling the fabric. If the threads are too tight, pull some needle thread from theTake-up Lever.

3. Cut the threads by using its Cutter on the machine or scissors.

4. Remember to unplug the machine from electrical outlet, when you do not need to use it again.

# THREADING THE MACHINE

1. Set the Needle Thread ( Upper Thread )

**Please strictly follow the right order to thread the needle thread as illustrated.**

Start from Upper Bobbin (the bobbin must be placed clockwise) the thread must go through :

- ① Eyelet
- ② Tension Screw (The thread must be placed between the clamps, **NOT in the spring**)
- ③ Eyelet
- ④ Hole of the Takeup Lever
- ⑤ Eyelet
- ⑥ Needle Bar
- ⑦ Needle **IMPORTANT: thread the needle from left to right.** You can use the Needle Threader (included in accessories) to thread the needle.

2. Draw up the Bottom Bobbin Thread

Before drawing up the bottom bobbin thread, pull out at least 10cm (4 inches) needle thread from the needle.

(1) Slide outward the bottom bobbin cover plate, and place the bobbin in the bobbin holder. **IMPORTANT: the bobbin should be positioned clockwise. (Pic. 1)**

(2) Pull about 7cm (3 inches) thread from bobbin and lay it on the slot.

(3) Lay down Presser Foot, hold the needle thread lightly with your left hand.

(4) Turn the Hand-wheel slowly towards you one complete round. Draw up the bobbin thread by pulling up the needle thread with your left hand as illustrated. (Pic.2)

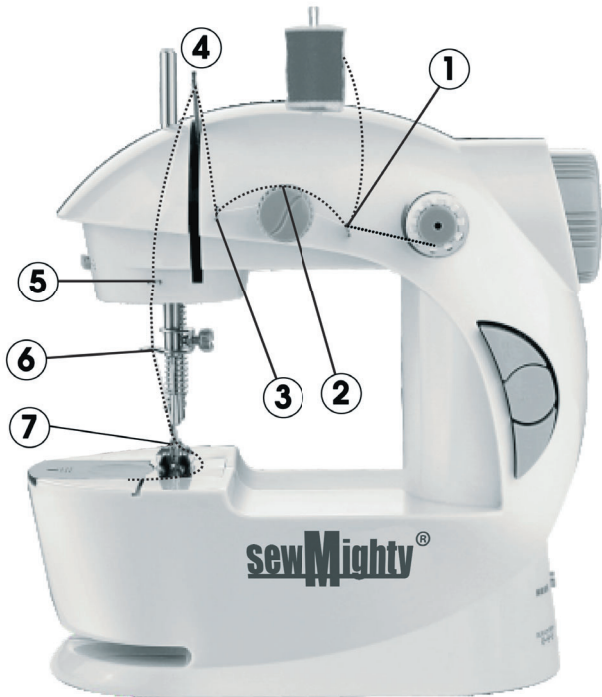


(5) You can either grab the bobbin thread with your hand or hook it with a scissor. Seal the bottom bobbin with its cover plate. (You can also seal it after the bobbin is positioned)

(6) Raise up the presser foot, put the needle thread and bobbin thread under and behind the presser foot (pic.3)

**\*\*IMPORTANT\*\***

**Remember to lay down presser foot again and sew some stitches on the fabric manually by turning Hand-wheel towards you, before turning the machine to sew.**



**Pic. 1**



**Pic. 2**

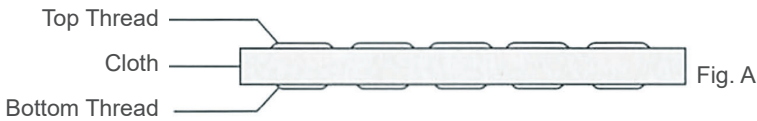


**Pic. 3**

# TENSION ADJUSTMENT

Thread Tension: The thread tension should be adjusted according to sewing materials, layers of fabric. To tighten, turn Tension Screw clockwise; and loosen the tension by turning counter-clockwise.

(1) As Fig. A shown, it is the normal stitches, which the top thread and Bottom thread are neat and uniform. The tension is just right!



(2) As Fig. B shown, if the bottom threading looks like a straight line, which indicates the top thread is too loose. Please turn the Tension Screw clockwise to increase pressure (until it is neither too tight nor too loose).



(3) As Fig. C shown, when the top thread looks like a straight line, it indicates the thread is too tight. Please slowly turn the Tension Screw counter-clockwise to reduce the pressure until the stitch is back to normal.



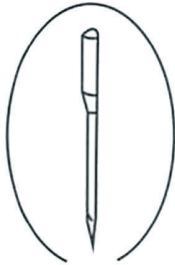
**Note: If the fabric is too thin/ thick/ slippery/ hard, it will cause: skipped stitches, thread breaking, pucker or forming loops, and tension adjustment cannot help that, you should change the fabric. Please kindly note that this is just a small domestic sewing machine.**

**Applicable fabrics: Jean, Cotton fabric, Felt, Polypropylene cloth, thin Leather, etc.**

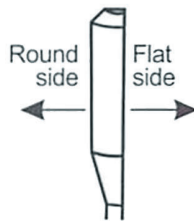
# NEEDLE REPLACEMENT

Caution: Make sure to turn off the machine and plug out the adapter before replacing the needle.

- (1) Raise the needle to its highest position by turning the hand-wheel and lay down the presser foot.
- (2) Loosen the needle clamp screw by turning it counterclockwise, and remove the needle from the clamp.
- (3) Insert a new needle into the needle clamp with its flat side towards the hand-wheel, which is very important (Refer to Pic.1).
- (4) When inserting the needle into the needle clamp, push it up against the top, then tighten the needle clamp screw firmly.  
**DONE!**



Needle



The needle's flat side  
towards the Handwheel



# WINDING THE BOBBIN

Note: Remove the fabric and the thread from Take-up lever, before winding the bobbin

1. Pull out the thread spindle (on the top of the machine )then put the spool on it. (Pic.1)
2. Press the winding pole of Hand-wheel and turn it counter clockwise, the pole will automatically pop up. (pic.2)
3. Insert the empty bobbin in the winding pole.
4. Pull a thread from spool and wind it on the empty bobbin for 4-5 circles, then turn on the machine to begin the automatic winding. Guide the winding with side-to-side movement to feed the bobbin evenly.
5. After winding, you can restore the winding pole.

# CREATIVE TIPS & IDEAS

Recycle clothing by tailoring it to fit growing children. It doesn't have to look like ill-fitting hand-me-downs anymore! Also, add an appliqué or decorative ribbon to give it a new look.

Make your own shower curtains, window curtains and bath sink skirts out of on-sale sheets. It's a lot of fabric for little money. And you can find prints that are absolutely perfect for a designer bathroom.

Also use sheets for great custom bedroom ensembles. Sew a cover for a comforter (new or recycled) out of oversized sheets to create a new look. Then make easy pillow shams to match. Sheets are always on sale, and naturally have the most up-to-date designer looks for the bedroom. Get an extra set of sheets for the bed, and you have an ensemble that would cost hundreds of dollars.

Make your own tablecloths and napkins. It's easy and inexpensive, and you can make them to fit all the occasions of the year. Get creative. Christmas, Valentine's Day, Easter St. Patrick's Day, Fourth of July, Halloween, Thanksgiving, you can have inexpensive table settings for them all. Even birthdays and anniversaries.

Most fabric stores carry a wide range of printed fabrics with all these themes just cut and sew hems around the edges. It's hostess magic in minutes!

Get on the mailing list of your local fabric shop. You'll get advance notice on all the fabric sales so you can get the best selection and the lowest prices.

Check tag sales for drapes or curtains. You can alter drapes worth hundreds of dollars that can be purchased for pocket change. Watch for pattern sales. Look through pattern books for ideas on easy-to-make projects that impress and delight.

Most of all...Have Fun!

# CREATIVE TIPS & IDEAS

Some of the Great Ways to Save Money and Avoid Costly Repairs or Replacements:

- Fix rips in children's clothing
- Let down hems on skirts, dresses and pants for growing kids
- Take in clothing after weight loss
- Let out clothing after weight gain
- Raise and lower dress hems to keep up with fashion
- Mend torn bed sheets
- Alter curtains to fit your windows

Some of the Things You Can Make with your SewMighty® to Get Decorator Looks for a Fraction of the Cost:

- Throw pillows
- Slip covers
- Duvet covers
- Bedspreads
- Pillow Shams
- Curtains
- Table linens

Quick and Easy Gifts from your SewMighty®:

- Blankets and quilts
- Lively fabric liners for inexpensive store-bought baskets
- Tea cozy
- Car blankets and comfort pillows
- Tote bags in fun or beautiful fabrics
- Men's ties with fabric in his favorite colors and themes
- Doll clothes and layettes
- Teddy bears and stuffed toy

# TROUBLESHOOTING

Fault	Possible Reasons	Solutions
No power (Slow)	<p>The battery is installed to the wrong side No power in the batteries</p> <p>Mixed use of old and new batteries</p> <p>External transformer power is not enough or the output voltage is not enough</p>	<p>Install the battery correctly (when the machine is slow)</p> <p>Replace the batteries</p> <p>Replace the batteries</p> <p>Replace the transformer</p>
Skipping of Stitches	<p>Improperly installed needle, or the needle is not installed to the end of the needle pole hole.</p> <p>Needle is bent or deformed</p> <p>Presser foot is loose</p>	<p>Replace the needle</p> <p>Replace the needle</p> <p>Tighten the nuts of the presser foot</p>
No Bobbin Thread	<p>Bobbin thread runs out</p> <p>The upper thread is threaded in the wrong order</p>	<p>Replace the bobbin thread clip and install it again</p> <p>Thread the needle in the right direction</p> <p>Make sure that the upper thread is threaded from the front to the back</p>
Breaking of thread	<p>Thread is stuck in the bobbin thread clip</p> <p>There is burr in the pinhole</p> <p>The needle is crooked and not installed correctly</p> <p>There is burr on the plate, spring or the thread bar</p>	<p>Thread the upper and bobbin thread again</p> <p>Replace the needle</p> <p>Install the needle again</p> <p>Sand them with sandpaper to make them smooth</p>
Poor Performance of Threads	<p>The upper thread clip is stuck</p> <p>The upper thread is too tight or too loose</p> <p>Needle is bending or deformed</p> <p>The threading location is wrong</p>	<p>Pull up the cover of the upper thread clip to make it turn freely</p> <p>Adjust the tension screw to make the bobbin thread even</p> <p>Replace the needle</p> <p>Recheck and thread again</p>
Needle collide with Sewing Plate	<p>The presser foot or the needle is loose</p> <p>Pull the fabric when sewing</p> <p>The needle does not penetrate through the fabric when start operation</p> <p>Adjust the stitch selection button when the needle does not leave the cloth</p>	<p>Replace the needle and tighten the presser foot</p> <p>Replace the needle and thread again</p> <p>Replace the needle, thread again and turn the hand wheel</p> <p>Start the machine after the cloth is placed in the right position</p>