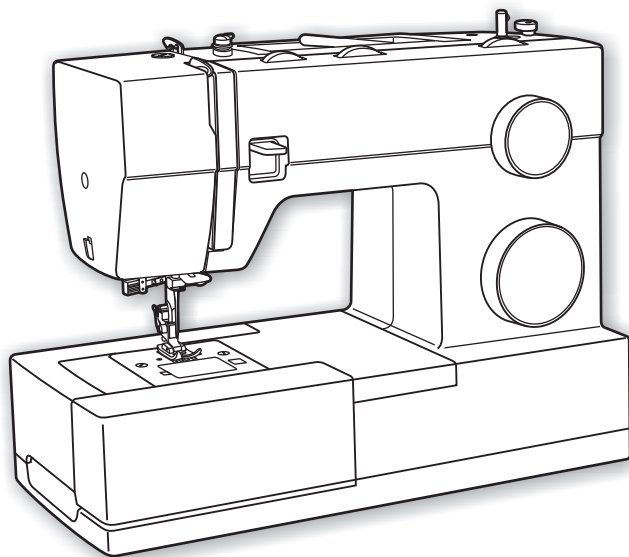




SINGER®

Instruction Manual

4432

Manual de Instrucciones

Manuel d'Instruction

EN IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic safety should always be followed, including the following:

Read all instructions before using this sewing machine.

DANGER - To reduce the risk of electric shock:

1. An appliance should never be left unattended when plugged in.
2. Always unplug this appliance from the electric outlet immediately after using and before cleaning.
3. The LED lamp maximum power is 0.3W, maximum voltage is DC 9V. If the lamp is damaged, you should not use the product, send it to SINGER or a service agent to repair or replace at once.

WARNING - To reduce the risk of burns, fire, electric shock, or injury to persons:

1. Do not allow to be used as a toy. Close attention is necessary when this appliance is used by or near children.
2. Use this appliance only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
3. Never operate this appliance if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the appliance to the nearest authorized dealer or service center for examination, repair, electrical or mechanical adjustment.
4. Never operate the appliance with any air openings blocked. Keep ventilation openings of the sewing machine and foot controller free from accumulation of lint, dust, and loose cloth.
5. Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
6. Always use the proper needle plate. The wrong plate can cause the needle to break.
7. Do not use bent needles.

8. Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
9. Switch the sewing machine off ("O") when making any adjustments in the needle area, such as threading needle, changing needle, threading bobbin, or changing presser foot, and the like.
10. Always unplug sewing machine from the electrical outlet when removing covers, lubricating, or when making any other user servicing adjustments mentioned in the instruction manual.
11. Never drop or insert any object into any opening.
12. Do not use outdoors.
13. Do not operate where aerosol spray products are being used or where oxygen is being administered.
14. To disconnect, turn all controls to the off ("O") position, then remove plug from outlet.
15. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
16. The sound pressure level under normal operating conditions is 75dB(A).
17. Please turn off the machine or unplug when the machine is not operating properly.
18. Never place anything on the foot controller.
19. If the supply cord that is fixed with foot controller is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.
20. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
21. Children should be supervised to ensure that they do not play with the appliance.

SAVE THESE INSTRUCTIONS

This sewing machine is intended for household use only.

EN Congratulations

As the owner of a new SINGER sewing machine, you are about to begin an exciting adventure in creativity. From the moment you first use your machine, you will know you are sewing on one of the easiest to use sewing machines ever made.

May we recommend that, before you start to use your sewing machine, you discover the many features and the ease of operation by going through this instruction book, step by step, seated at your machine.

To ensure that you are always provided with the most modern sewing capabilities, the manufacturer reserves the right to change the appearance, design or accessories of this sewing machine when considered necessary.

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E Felicitaciones

Como propietario/a de una nueva máquina de coser SINGER, usted acaba de iniciar una gran oportunidad para plasmar su creatividad. Desde el momento en que utilice por primera vez su máquina, se dará cuenta de que está cosiendo con una de las máquinas más fáciles de utilizar.

Le recomendamos encarecidamente que, antes de comenzar a utilizar su máquina de coser, conozca las numerosas ventajas y su facilidad de uso leyendo detenidamente este manual de instrucciones, paso a paso, sentado ante su máquina.

Para cerciorarse de que siempre dispondrá de las más modernas capacidades para coser, el fabricante se reserva el derecho de cambiar la apariencia, diseño y accesorios de esta máquina cuando lo considere necesario.

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F Félicitations

Vous voici à présent propriétaire d'une machine à coudre SINGER, vous êtes sur le point de vous lancer dans une aventure excitante dans le domaine de la créativité. Dès le départ, vous réaliserez que vous allez coudre avec l'une des machines les plus faciles à utiliser.

Avant de commencer à coudre, nous vous recommandons de découvrir les différentes options ainsi que la facilité d'utilisation en lisant ce mode d'emploi en étant assis devant votre machine à coudre.

Afin de garantir que votre machine vous donnera toujours le meilleur du point de vue technique, le fabricant se réserve le droit de modifier l'apparence, le concept ou les accessoires de cette machine s'il le juge nécessaire.

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General Information

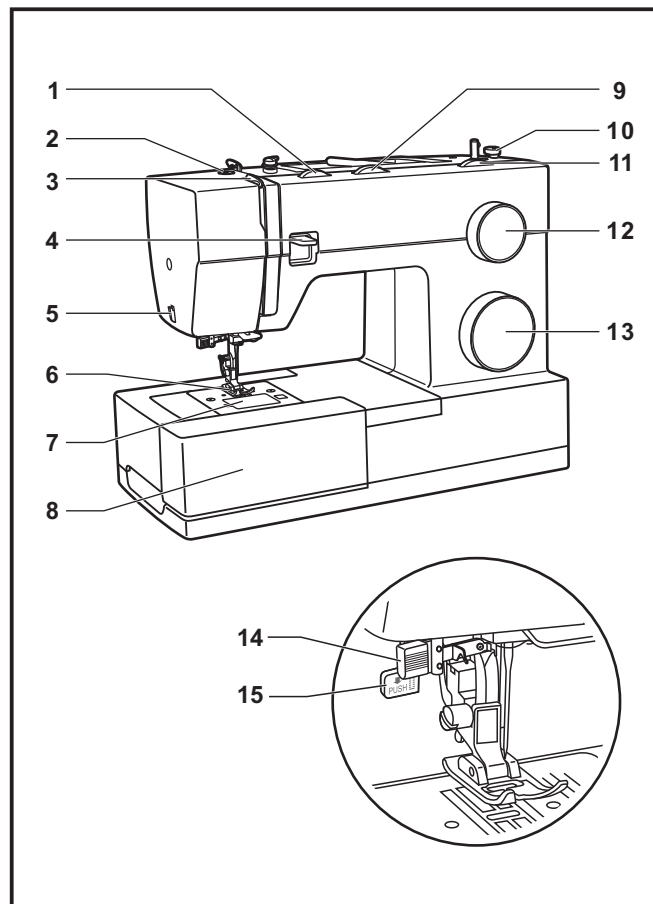
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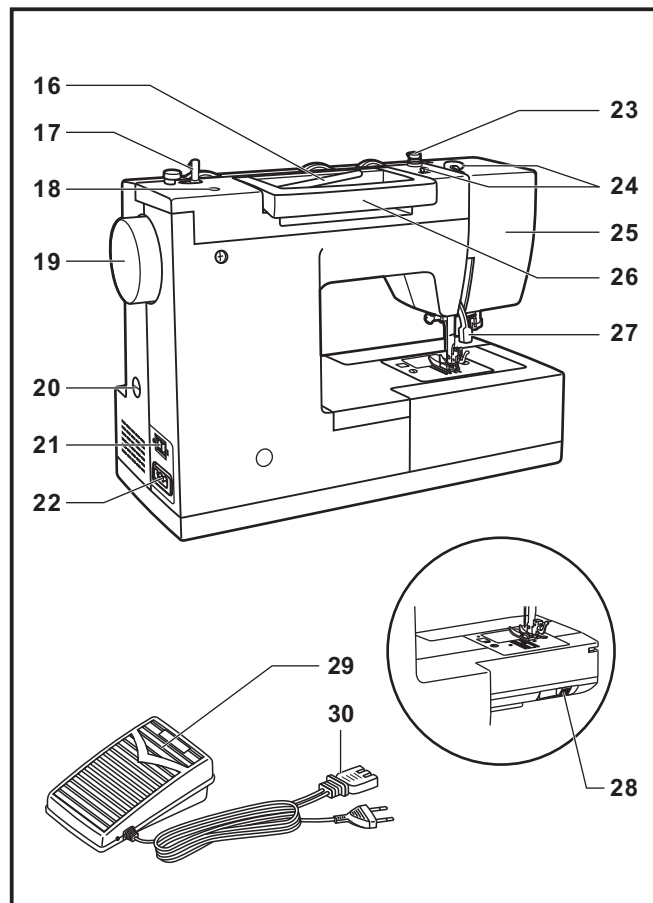
EN Principal Parts of the Machine

1. Thread tension dial
2. Presser foot pressure adjustment
3. Thread take-up lever
4. Reverse sewing lever
5. Thread cutter
6. Presser foot
7. Needle plate cover
8. Removable extension table/ accessory storage
9. Three needle position dial
10. Bobbin stopper
11. Stitch width dial
12. Stitch length dial
13. Pattern selector dial
14. Automatic threader
15. One step buttonhole lever



EN Principal Parts of the Machine

- 16. Horizontal spool pin
- 17. Bobbin winding spindle
- 18. Hole for auxiliary spool pin
- 19. Handwheel
- 20. Buttonhole stitch balance adjustment slot
- 21. Power and light switch
- 22. Main plug socket
- 23. Bobbin thread guide
- 24. Upper thread guide
- 25. Face plate
- 26. Handle
- 27. Presser foot lifter
- 28. Drop feed control
- 29. Foot speed control
- 30. Power cord



EN Connecting Machine to Power Source

Connect the machine to a power source as illustrated. (1)
This appliance is equipped with a polarized plug which must be used with the appropriate polarized outlet. (2)

Attention:

Unplug power cord when machine is not in use.

Foot control

The foot control pedal regulates the sewing speed. (3)

Attention:

Consult a qualified electrician if in doubt of how to connect machine to power source.

Unplug power cord when machine is not in use.

The foot control must be used with the appliance by FC-1902A (110-120V area)/ FC-2902A (220-240V area)/ 4C-316Q (110-125V area).

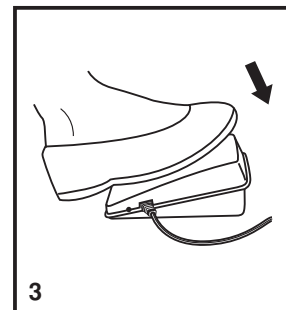
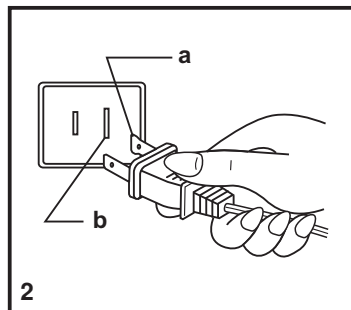
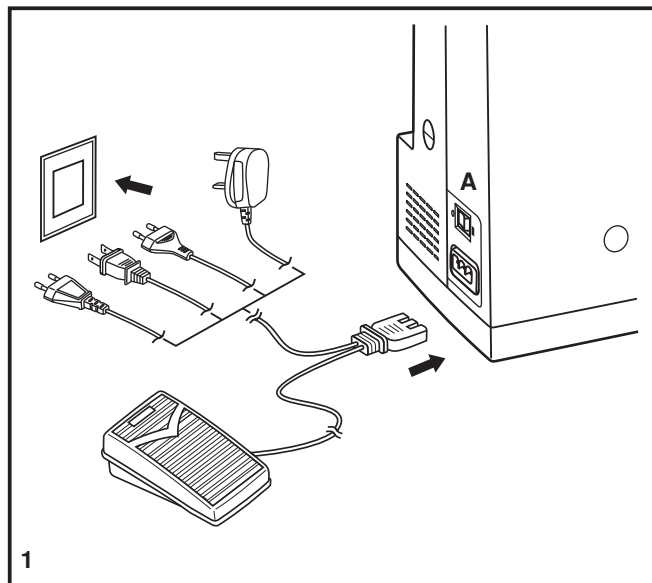
Sewing light

Press main switch (A) to "I" for power and light.

IMPORTANT NOTICE

For appliance with a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If it does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not modify the plug in any way.

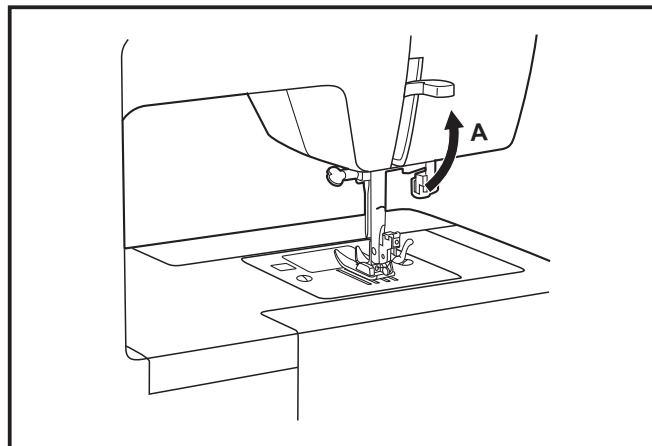
- a. Polarized attachment plug
- b. Conductor intended to be grounded



EN Two Step Presser Foot Lifter

When sewing several layers or thick fabrics, the presser foot can be raised to a higher position for easy positioning of the work. (A)

The presser foot will remain raised as long as you hold up the presser foot lifter. As soon as you release it, the presser foot will drop back down to the intermediate position.



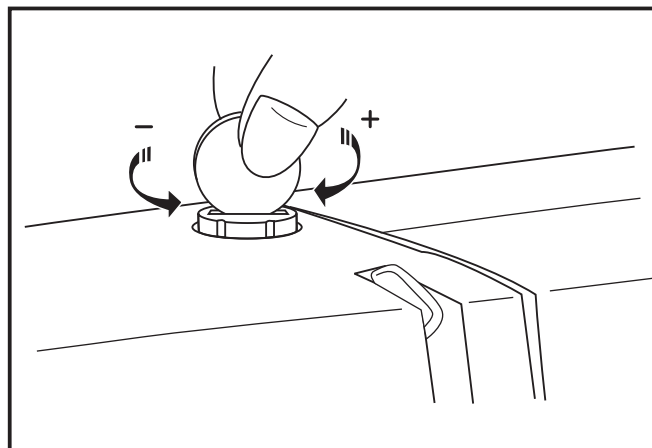
Adjusting Presser Foot Pressure

The presser foot pressure of the machine has been pre-set and requires no particular readjustment according to the type of fabric (light-or-heavy weight).

However, if you need to adjust the presser foot pressure, turn the presser adjusting screw with a coin.

For sewing very thin fabric, loosen the pressure by turning the screw counter clockwise, and for heavy fabric, tighten by turning it clockwise.

It is suggested that you turn the screw in one quarter inch increments so that it can be easily reset to factory settings.



EN Accessories

Standard accessories (1)

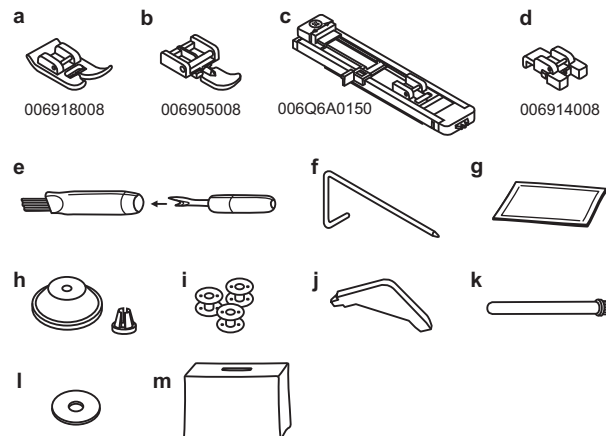
- a. All purpose foot
- b. Zipper foot
- c. Buttonhole foot
- d. Button sewing foot
- e. Seam ripper/ brush
- f. Edge/ quilting guide
- g. Pack of needles
- h. Spool holders (2x)
- i. Bobbin (3x)
- j. L-screwdriver
- k. Auxiliary Spool Pin
- l. Spool pin felt
- m. Soft cover

Optional accessories (2)

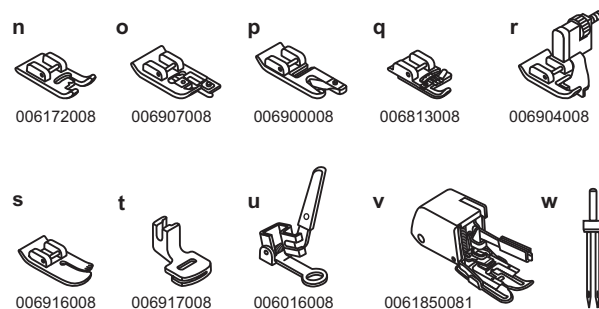
(These 10 accessories are not supplied with this machine; they are, however, available for purchase from your authorized retailer.)

- n. Satin stitch foot
- o. Overcasting foot
- p. Hemmer foot
- q. Cording foot
- r. Blind hem foot
- s. Quilting/ straight stitch foot
- t. Gathering foot
- u. Darning/ embroidery foot
- v. Even Feed foot
- w. Twin needle

1 Standard accessories



2 Optional accessories

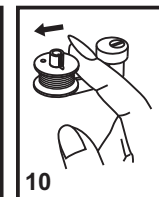
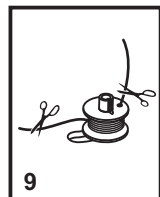
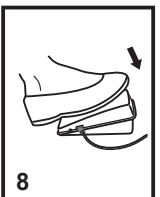
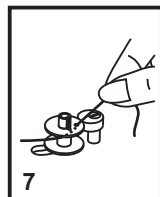
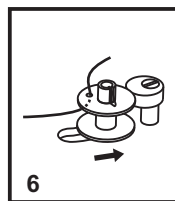
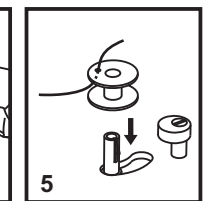
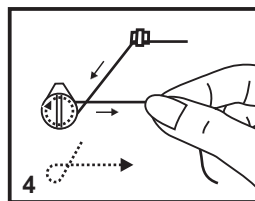
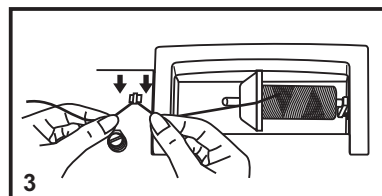
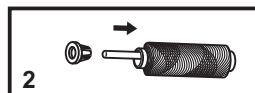
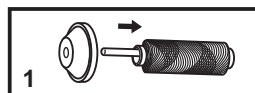
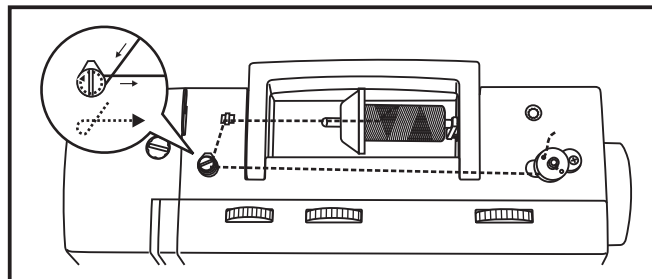


EN Winding the Bobbin

- Place thread and corresponding spool holder on to spool pin. (1/2)
- Snap thread into thread guide. (3)
- Wind thread clockwise around bobbin winder tension discs. (4)
- Thread bobbin as illustrated and place on spindle. (5)
- Push bobbin spindle to right. (6)
- Hold thread end securely. (7)
- Step on foot control pedal. (8)
- Trim thread close to the bobbin & then continue winding until bobbin is full. (9)
- Cut thread, push bobbin spindle to left (10) and remove.

Please Note:

When the bobbin winder spindle is in "bobbin winding" position, the machine will not sew and the handwheel turn. To start sewing, push the bobbin winder spindle to the left (sewing position).



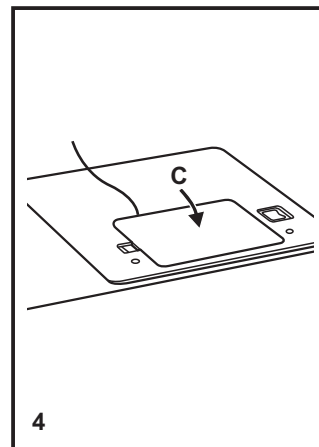
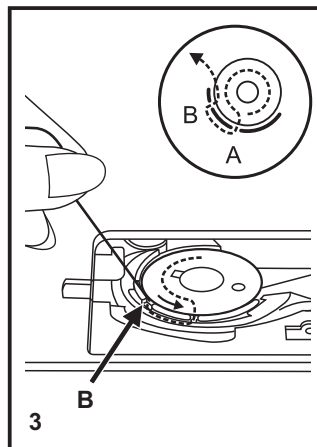
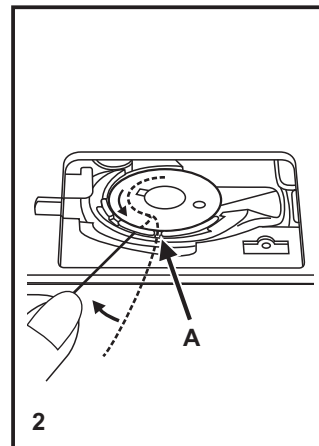
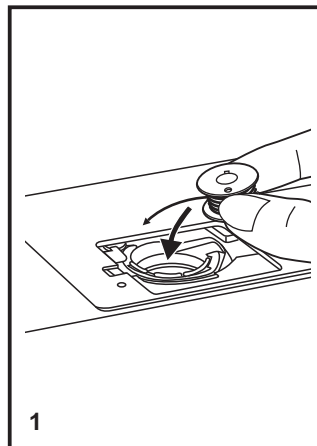
EN Inserting the Bobbin

When inserting or removing the bobbin, raise the presser foot & make sure the needle is fully raised.

1. Remove the bobbin cover plate by pushing the small tab to the right of the cover towards the right.
2. Insert the bobbin in the bobbin case with the thread running counterclockwise direction (arrow).
3. Pull the thread through the slit (A).
4. Draw the thread clockwise until it slips into the notch (B), while holding the bobbin down with the tip of your finger.
5. Pull out about 15 cm (6 inches) of thread towards the back of the plate and attach the bobbin cover plate. (C)

Attention:

Turn power switch to off ("O") before inserting or removing the bobbin.



EN Threading the Upper Thread

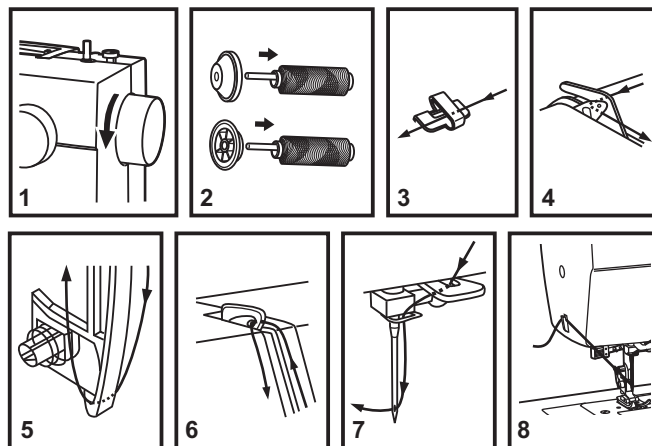
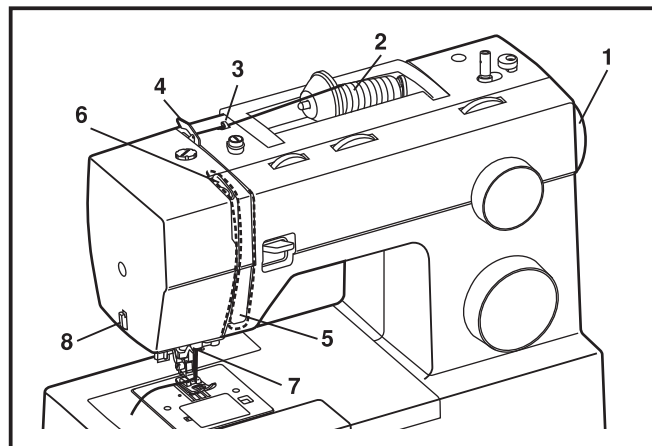
This is a simple operation but it is important to carry out correctly as by not doing so several sewing problems could result.

- Start by raising the needle to its highest point (1), and continue turning the handwheel* counterclockwise until the needle just slightly begins to descend. You must raise the presser foot to release the tension discs.

Note: For safety, it is strongly suggested you turn off the power before threading.

- Lift up the spool pin. Place the spool of thread on the holder with the thread coming off the spool from the back as shown and place appropriate spool holder next to the spool. For small thread spools, place small side of spool holder next to spool. (2)
- Draw thread from spool through the upper thread guide (3) and pulling thread through pre-tension spring as illustrated. (4)
- Thread tension module by leading thread down right channel. (5) During this process it is helpful to hold the thread between the spool and thread guide, as this will help to seat the thread between the tension discs.
- At the top of this movement pass thread from right to left through the slotted eye of the take-up lever and then downwards again. (6)
- Now pass the thread behind the horizontal thread guide, and then behind the thin wire needle clamp guide (7) and then down to the needle which should be threaded from front to back.
- Pull about 6 - 8 inches of thread under the presser foot to the rear beyond the needle eye. Trim thread to length with built-in thread cutter. (8)

* Never turn the handwheel away from you as this may cause the timing to be disrupted. Always turn the handwheel counterclockwise (towards you).



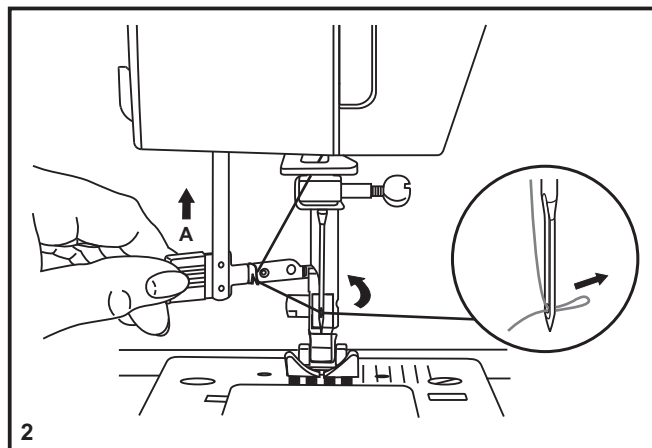
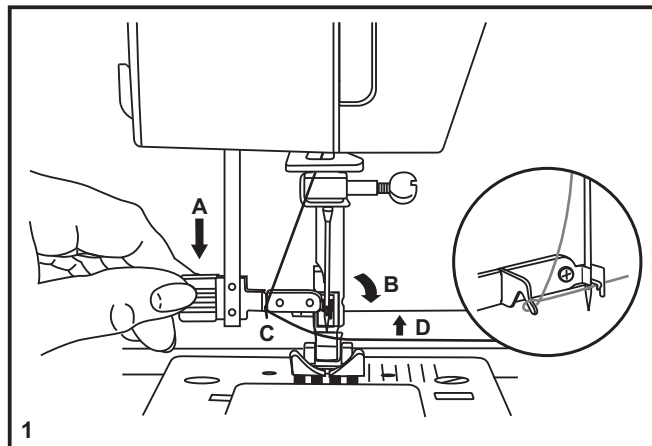
EN Automatic Needle Threader

- Thread upper tension of machine up to the thin wire in front of the needle clamp.
- Raise the needle to its highest position.
- Set the Pattern Selector Dial (see item # 13 on page 2 of the manual) to Straight Stitch.
- Set Stitch Width Dial (see item # 11 on page 2 of the manual) to "0".
- Set Three Needle Position Dial (see item # 9 on page 2 of the manual) to center position.
- Lower the needle threader (A) as far down as it will go, then push it back gently so that the hook inside the threader will slip into the eye of the needle.
- The threader automatically swings to the threading position (B).
- Pass thread under thread guide (C), from left to right.
- Pass the thread in front of the needle around the hook (D) from bottom to top.
- Release lever (A), by swinging it away from you & then pushing it back up to the resting position.
- Pull the thread through the needle eye.

Attention:

Turn power switch to off ("O")!

The needle threader is designed to work best with a size 14 needle. Your machine is equipped with a standard size 14 needle at the factory.



EN Raising the Bobbin Thread

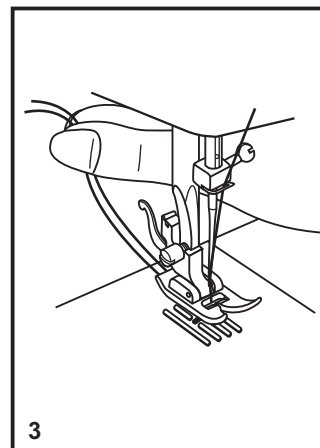
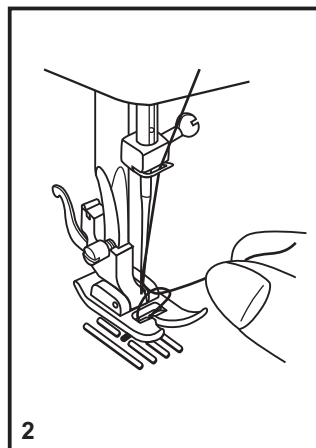
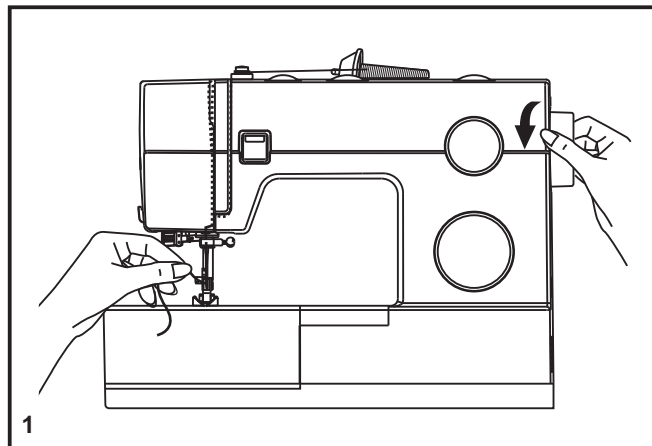
Hold the upper thread with the left hand. Turn the handwheel (1) towards you (counterclockwise) lowering, then raising needle.

Note:

If it is difficult to raise the bobbin thread, check to make sure the thread is not trapped by the hinged cover or the Removable Extension Table.

Gently pull on the upper thread to bring the bobbin thread up through the needle plate hole. (2)

Lay both threads to the back under the presser foot. (3)



EN Thread Tension

Upper thread tension

Basic thread tension setting: "4". (1)

To increase the tension, turn the dial to the next number up.

To reduce the tension, turn the dial to the next number down.

A. Normal thread tension for straight stitch sewing.

B. Thread tension too loose for straight stitch sewing. Turn dial to higher number.

C. Thread tension too tight for straight stitch sewing. Turn dial to lower number.

D. Normal thread tension for zig zag and decorative sewing.
Correct thread tension is when a small amount of the upper thread appears on the bottom side of fabric.

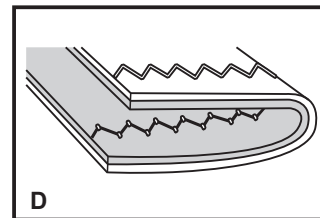
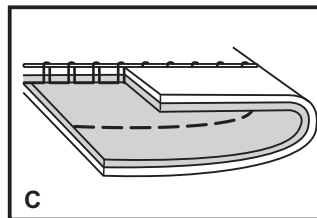
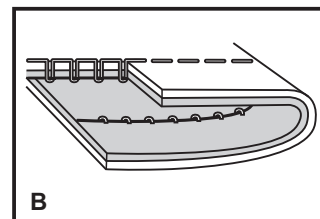
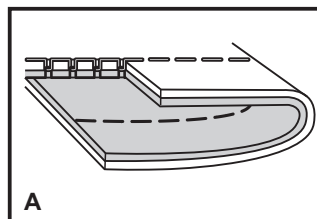
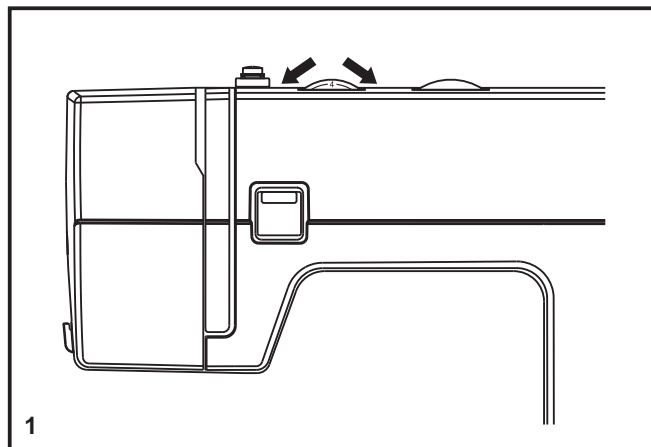
If the thread is looping or birdnesting on the underside of the fabric, this is an indication that the upper machine tension is not threaded correctly.

Lower thread tension

The bobbin tension has been set correctly at the factory, so you do not need to adjust it.

Please note:

- Proper tension setting is important for strong seams.
- There is no single tension setting appropriate for all stitch functions, thread or fabric.
- A balanced tension (identical stitches both top and bottom) is usually only desirable for straight stitch construction sewing.
- 90% of all sewing will be between "3" and "5".
- For zig zag and decorative sewing stitch functions, thread tension should generally be less than for straight stitch sewing.
- For all decorative sewing you will always obtain a nicer stitch and less fabric puckering when the upper thread appears on the bottom side of your fabric.
- If the thread is looping or birdnesting on the top of the fabric, this is an indication that the bobbin thread has not been threaded correctly.



EN How to Choose Your Pattern

The diagram on this page display the stitch patterns available on the machine.

Stitches in the top of the diagram are indicated on the pattern selector dial in gray. To select the patterns indicated with the gray color, turn the pattern selector dial. (e)

For top row stitches B, C, D, E, I, J, and K follow these steps:

- Set the Three Needle Position Dial (b) to the Center.
- Set the Stitch Width Dial (c) to 6. This will give you the widest stitch. If you would like a narrower stitch, set the Stitch Width Dial to between 1 and 5.
- Set the Stitch Length Dial (d) to 2. You can adjust the density by moving the Stitch Length Dial to 1 to make the stitching closer, or towards 4 to make it longer.

For top row stitches F, G, and H follow these steps:

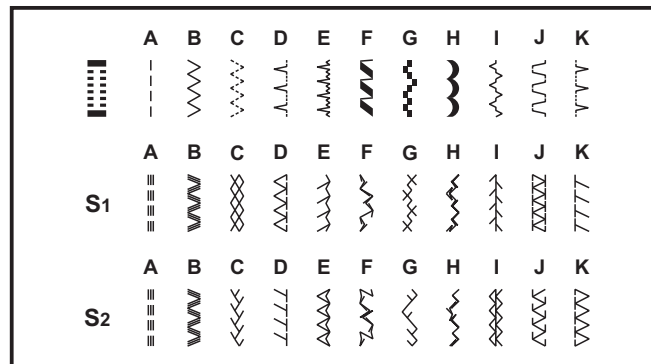
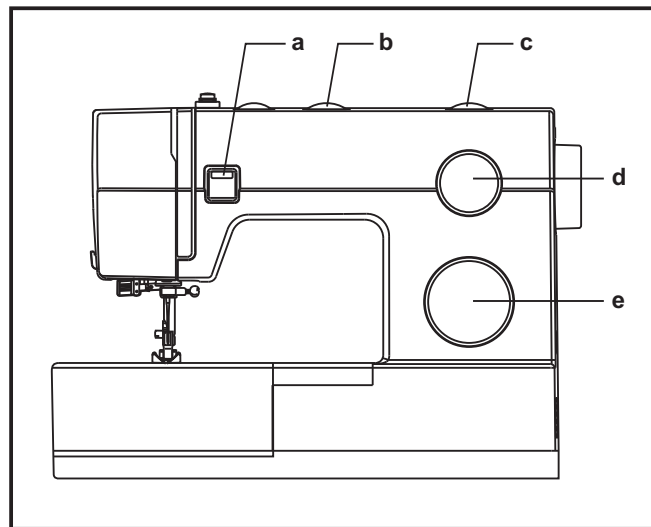
- Set the Three Needle Position Dial (b) to the Center.
- Set the Stitch Width Dial (c) to 6. This will give you the widest stitch. If you would like a narrower stitch, set the Stitch Width Dial to between 1 and 5.
- Set the Stitch Length Dial (d) to 1. You can adjust the density by moving the Stitch Length Dial to 0.5 to make the stitching closer.

Further instructions for setting the stitch width & the stitch length dials can be found on page 28.

To obtain the other patterns, turn the stitch length dial to "S1" or "S2", select the pattern desired with pattern selector dial, and adjust the stitch width with the stitch width dial.

The pattern selector dial may be turned in either direction.

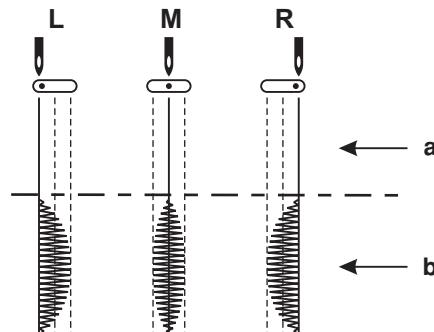
- a. Reverse sewing lever
- b. Three needle position dial
- c. Stitch width dial
- d. Stitch length dial
- e. Pattern selector dial



EN Three Needle Position Dial

The needle position can be altered with the "Three needle position dial". For normal work, the needle position in the middle. For edge stitching or sewing parallel lines of topstitching, select needle position left or right. For twin needle stitching, needle position is middle.

In order to set the Three Needle Position Dial (See item # 9 on page 2 of the manual) to the left, in the center or to the right, the Stitch Width Dial must be set to "0" position.



a. Straight

b. Zig-zag

L. Left Needle Position

M. Middle Needle Position

R. Right Needle Position

EN Stitch Width Dial & Stitch Length Dial

Function of stitch width dial

When doing a zig zag or a decorative pattern you can alter the width from 1mm to 6mm. To obtain a very narrow stitch, set the dial to 1, to obtain the maximum 6mm width, set the dial to 6. When the dial is set to 0, you will obtain a straight stitch. (1)

The stitch width dial (see item # 11 on page 2 of your manual) is also the control for the straight stitch infinite needle position. To use this function your Pattern Selector Dial (see item # 13 on page 2 in the manual) must be set at Straight Stitch. For an infinite needle position, first set the Three Needle Position Dial so that the needle is positioned to the right and then by moving the stitch width dial between "0" and "6", you can position the needle where you require it.

Function of stitch length dial while zig-zag stitching

Set the pattern selector dial to zig zag or any other decorative pattern. The density of zig zag or decorative stitches increases as the setting of the stitch length dial approaches "0". The smaller the number the closer, or denser the stitches will be.

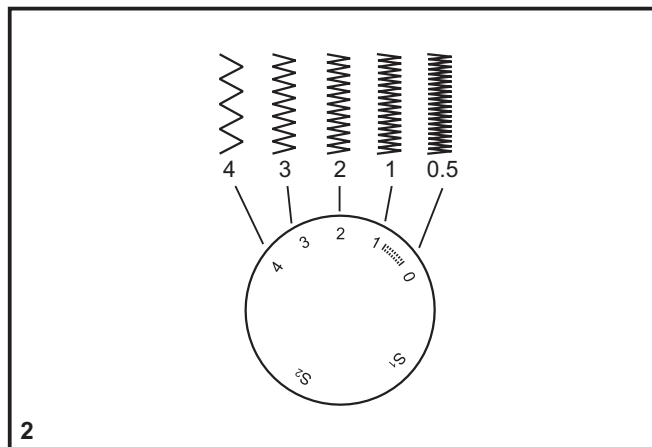
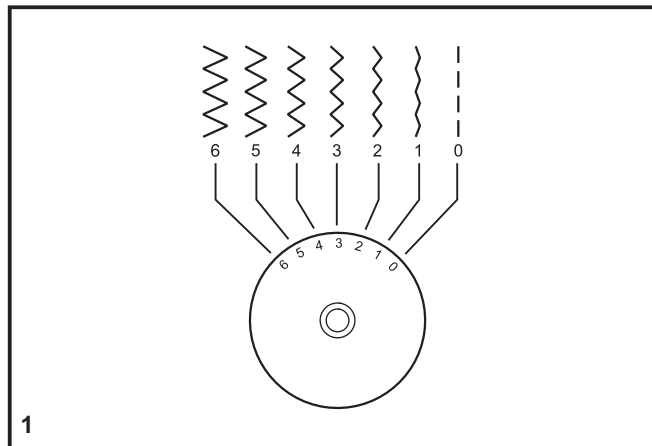
Standard zigzag stitches are usually achieved at "3" or below. (2)

Dense zig-zag stitches are called satin stitches. (2)

Function of stitch length dial for when straight stitching

For straight stitch sewing, turn the Pattern Selector Dial to the straight stitch setting. Turn the Stitch Length Dial, and the length of the individual stitches will decrease as the dial approached "0". The length of the individual stitches will increase as the dial approaches "4". Generally speaking, use a longer stitch length when sewing heavier weight fabrics or when using a thicker needle or thread. Use a shorter stitch length when sewing lighter weight fabrics or when using a finer needle or thread.

- The standard setting for sewing a seam is between 2 and 3.
- For basting purposes, set the stitch length all the way to 4 (longest).



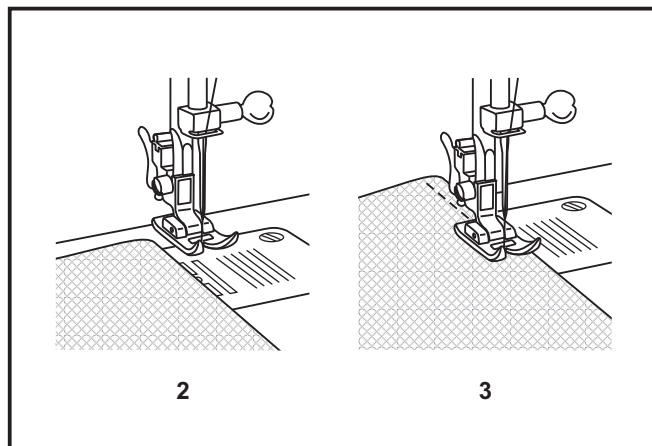
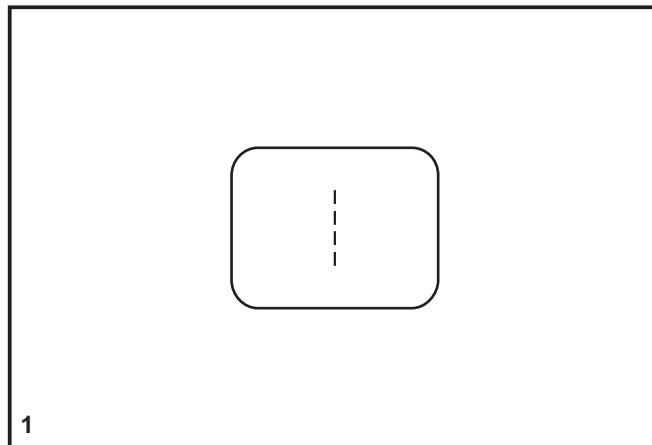
EN Sewing Straight Stitch

To begin sewing, set the machine for straight stitch. (1)

Set the stitch length to between 2 and 3.

Place the fabric under the presser foot with the fabric edge lined up with the desired seam guide line on the needle plate. (2)

Lower the presser foot lifter, and then step on the foot controller to start sewing. (3)



EN Reverse Sewing

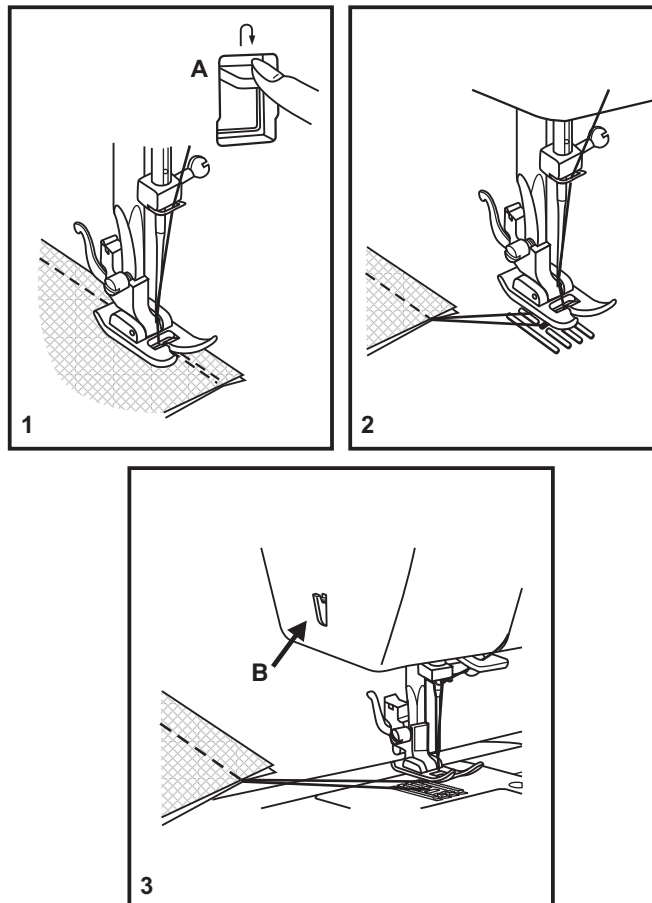
To secure the beginning and the end of a seam, press down the reverse sewing lever (A). Sew a few reverse stitches. Release the lever and the machine will sew forward again. (1)

Removing the Work

Turn the handwheel toward you (counterclockwise) to bring the thread take up lever to its highest position, raise the presser foot and remove work behind the needle and presser foot. (2)

Cutting the Thread

Pull the threads under and behind the presser foot. Guide the threads to the side of the face plate and into thread cutter (B). Pull threads down to cut. (3)



EN Choosing Stretch Stitch Patterns

The stretch stitch patterns are indicated with blue and red colors on the pattern selector dial. To select these stitches, turn the pattern selector dial to the desired pattern. Then, turn the stitch length dial to the indicator marked "S1" or "S2". Though there are several stretch patterns, here are two examples:

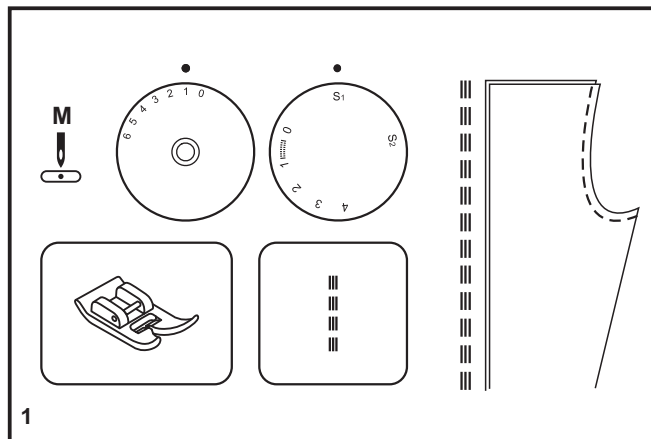
Straight Stretch Stitch (1)

Set the pattern selector dial to "1".

Set the stitch length dial to "1".

Used to add triple reinforcement to stretch and hardwearing seams.

The machine sews two stitches forward and one stitch backwards.



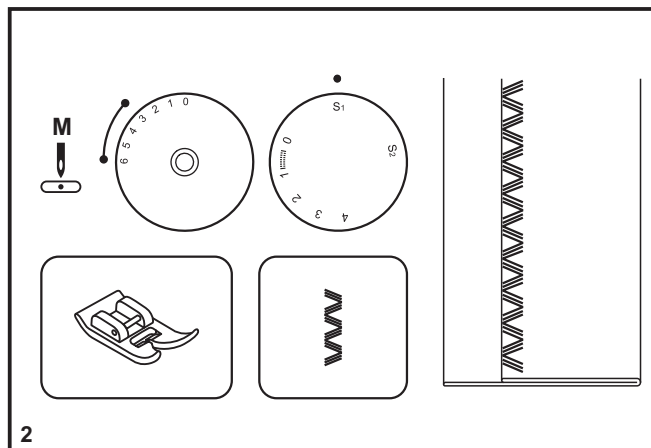
Ric Rac (2)

Set the pattern selector dial to "2".

Set the stitch length dial to "S1" or "S2".

Adjust the stitch width dial to between "3" and "6".

Ric rac stitch is suitable for firm fabrics like denim, corduroy, poplin, duck, etc.



EN Blind Hem

For hems on curtains, trousers, skirts, etc.

..... Blind hem for stretch fabrics.

..... Blind hem for firm fabrics.

Set the stitch length dial with the range shown on the diagram at the right. Blind hems, however, are normally sewn with a longer stitch length setting. Set the stitch width dial at a setting appropriate for the weight/type of fabric being sewn, within the range shown in the diagram on the right of the page. Generally, a narrower stitch is used for lighter weight fabrics, and a wider stitch is used for heavier weight fabrics. Sew a test first to make sure the machine settings are appropriate for the fabric.

Blind Hem:

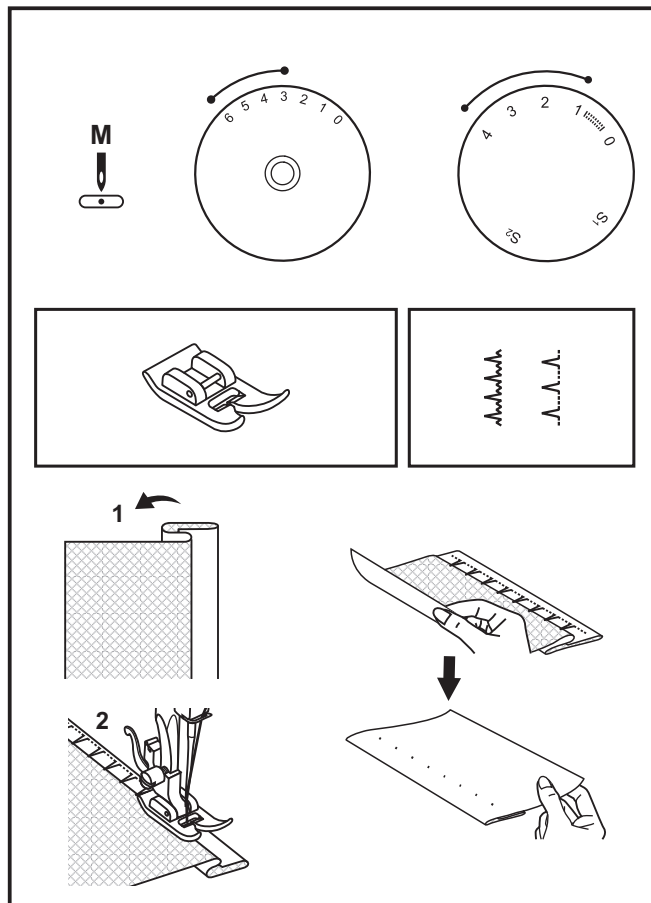
Turn up the hem to the desired width and press. Fold back (as shown in Fig. 1) against the right side of the fabric with the top edge of the hem extending about 7 mm (1/4") to the right side of the folded fabric.

Start to sew slowly along the fold, so that the needle drops through the edge of the fold. (2)

Unfold the fabric when hemming is completed and press.

Note:

To make blind hem sewing even easier, use a blind hem foot, available from your SINGER® retailer. (See page 10 for part number)



EN Sew 1-step Buttonholes

Buttonhole sewing is a simple process that provides reliable results. It is strongly suggested to always make a test buttonhole on a sample of your fabric before working on your garment. Stabilizer should always be used when making buttonholes.

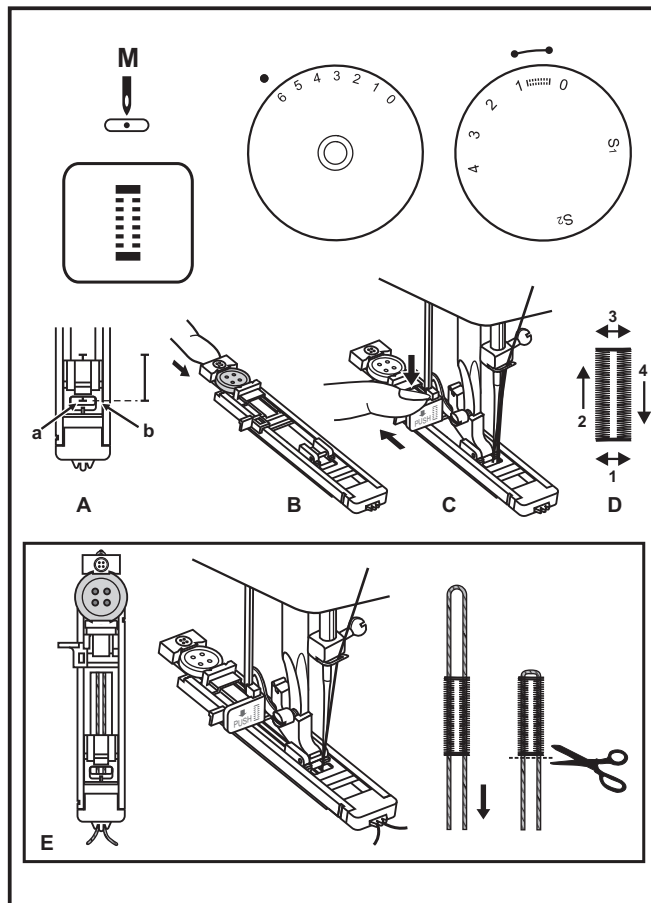
Making a Buttonhole

1. Using tailor's chalk, mark the position of the buttonhole on the fabric.
2. Attach the buttonhole foot and set the Pattern Selector Dial to "1". Set stitch length dial to "10". Set the stitch width at "6". The width however may need to be adjusted according to the project. Sew a test first to determine this.
3. Lower the presser foot aligning the marks on foot with the marks on the fabric (A). (The front bar tack will be sewn first.) (Align the mark on the fabric (a) with the mark on the foot (b).)
4. Open the button plate and insert the button (B).
5. Lower the buttonhole lever and gently push it back (C).
6. While lightly holding the upper thread, start the machine.
7. Buttonhole stitching is done in the order (D).
8. Stop the machine when the buttonhole cycle has completed.

Making a Buttonhole on Stretch Fabrics (E)

When sewing buttonholes on stretch fabric, hook heavy thread or cord under the buttonhole foot. When the buttonhole is sewn the legs will overcast the cord.

1. Mark the position of the buttonhole on the fabric with the tailor's chalk, attach the buttonhole foot, and set the pattern selector dial to "1". Set stitch length dial to "10".
2. Hook the heavy thread onto the back end of the buttonhole foot, then bring the two heavy thread ends under & to the front of the foot, insert them into the grooves and temporarily tie them there.
3. Lower the presser foot and start sewing.
*Set the stitch width to match the diameter of the gimp thread.
4. Once sewing is completed, gently pull the heavy thread to remove any slack, then trim off the excess.



EN Left and Right Side Balance for Buttonhole

Stitch density on right and left sides of buttonhole can be adjusted by buttonhole balance control dial.

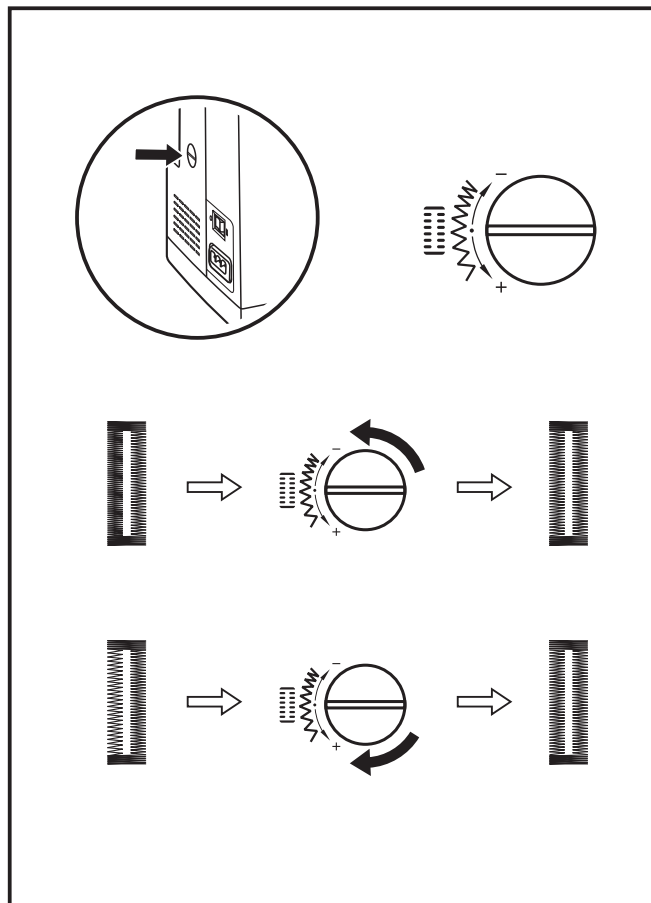
This dial should usually be in a neutral position (between "+" and "-")

If the stitches on the left side of buttonhole are too close together, turn the dial to the left (+).

* Turning dial to the left opens left side.

If the stitches on the left side of the buttonhole are too open, turn the dial to the right (-).

* Turning dial to right closes left side.



EN Sewing on Buttons

Move the drop feed control to right side to lower the feed dogs. (1)

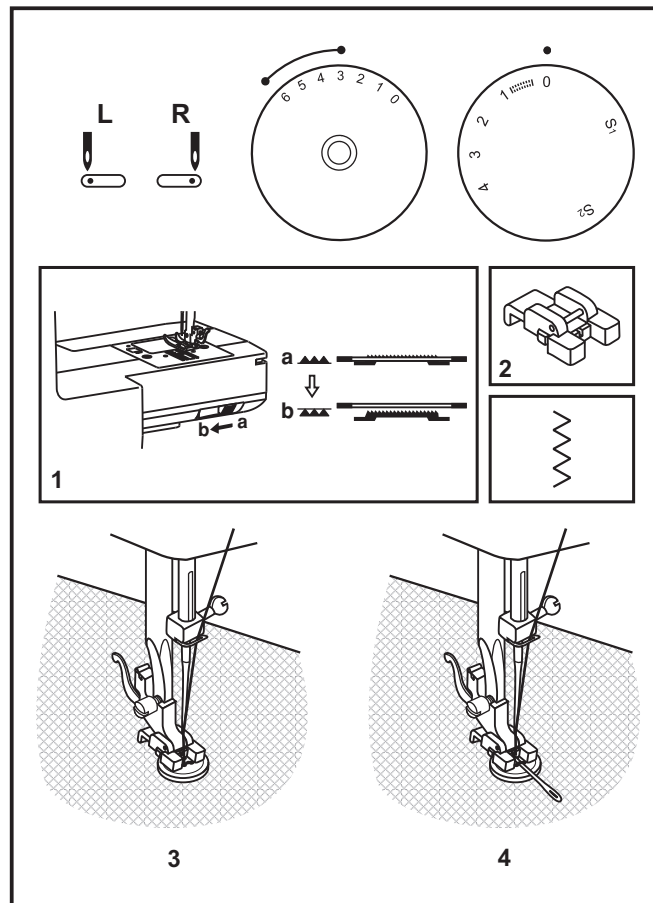
Change the all purpose foot to the button sewing foot. (2)
Set the stitch length to "0".

Place the button and fabric under the Button Sewing foot, as illustrated in (3).

Set the machine for zig-zag stitch, then set the width to number "3" - "6". Turn the handwheel to check that the needle goes cleanly into the left and right holes of the button. Adjust the stitch width, as needed, according to the distance between the holes of the button. Slowly sew on the button with about 10 stitches.

Raise the needle out of the fabric. Set the machine for straight stitch again, then sew a few securing stitches to finish.

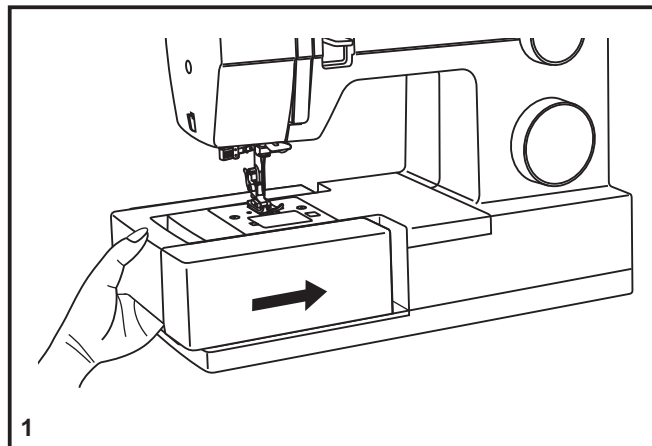
If a shank is required, place a darning needle on top of the button and sew. For buttons with 4 holes, sew through the front two holes first, push the work forward and then sew through the back two holes.



EN Installing the Removable Extension Table

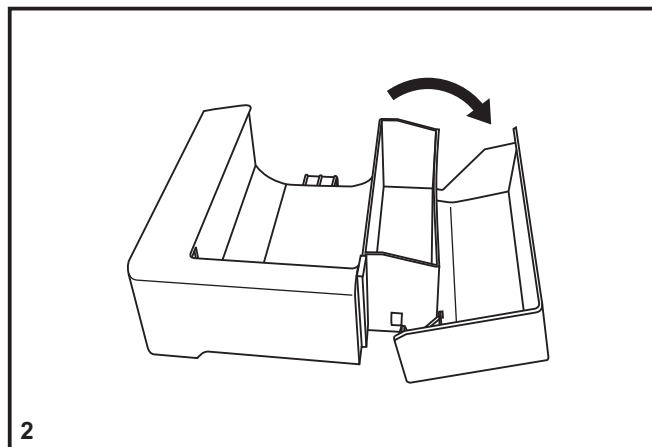
Hold the removable extension table horizontally, and push it in the direction of the arrow. (1)

To remove the extension table, pull it toward the left.



The inside of the removable extension table can be utilized as an accessory box.

To open, flip cover down as shown. (2)



EN Attaching the Presser Foot Shank

Raise the presser bar (a) with the presser foot lifter. Loosen or remove the presser shank screw. Line up the opening in the shank with the opening on the presser bar and then tighten the screw. (1)

Attaching the presser foot

Lower the presser foot shank (b) using the presser foot lifter, until the cut-out (c) is directly above the pin (d). (2) The presser foot (f) will engage automatically.

Removing the presser foot

Raise the presser foot using the presser foot lifter. (3)

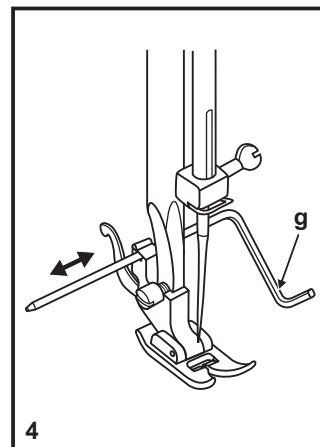
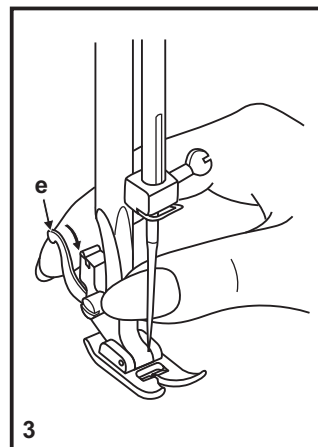
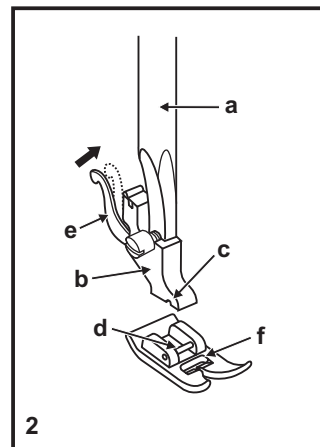
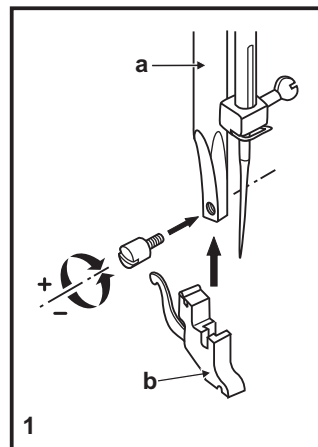
Raise the lever (e) and the foot disengages.

Attaching the edge/ quilting guide

Attach the edge/ quilting guide (g) in the slot as illustrated. Adjust as needed for hems, pleats, quilting, etc. (4)

Attention:

Turn power switch to off ("O") when carrying out any of the above operations!



EN Needle/ Fabric/ Thread Chart

NEEDLE, FABRIC, THREAD SELECTION GUIDE

NEEDLE SIZE	FABRICS	ALL PURPOSE THREAD
9-11 (70-80)	Lightweight fabrics-thin cottons, voile, silk, muslin, interlocks, cotton knits, tricots, jerseys, crepes, woven polyester, shirt & blouse fabrics.	Thread in cotton, polyester or cotton wrapped polyester.
11-14 (80-90)	Medium weight fabrics-cotton, satin, kettlecloth, sailcloth, double knits, lightweight woolens.	Most threads sold are all purpose and are suitable for these fabrics and needle sizes. Always use the same thread in the upper tension and in the bobbin.
14 (90)	Medium weight fabrics-cotton duck, woolen, heavier knits, terrycloth, denims.	
16 (100)	Heavyweight fabrics-canvas, woolens, outdoor tent and quilted fabrics, denims, upholstery material (light to medium).	
18 (110)	Heavy woolen, overcoat fabrics, upholstery fabrics, some leathers and vinyls.	Heavy duty thread in the upper tension, all purpose thread in the bobbin. Set stitch length to 3 or 4.

IMPORTANT: Match needle size to thread size and weight of fabric.

NEEDLE, FABRIC SELECTION

NEEDLES	EXPLANATION	TYPE OF FABRIC
SINGER® 2020	Standard sharp needles. Sizes range thin to large. 9 (70) to 18 (110).	Natural woven fabrics-wool, cotton, silk, etc. Not recommended for double knits.
SINGER® 2045	Semi-ball point needle, scarfed. 9 (70) to 18 (110).	Natural and synthetic woven fabrics, polyester blends. Knits-polyesters, interlocks, tricot, single and double knits. Also sweater knits, Lycra®, swimsuit fabric, elastic.
SINGER® 2032	Leather needles. 12 (80) to 18 (110).	Leather, vinyl, upholstery. (Leaves smaller hole than standard large needle.)

Note :

1. For best sewing results always use genuine SINGER® needles.
2. Replace needle often (approximately every other garment) and/ or at first thread breakage or skipped stitches.

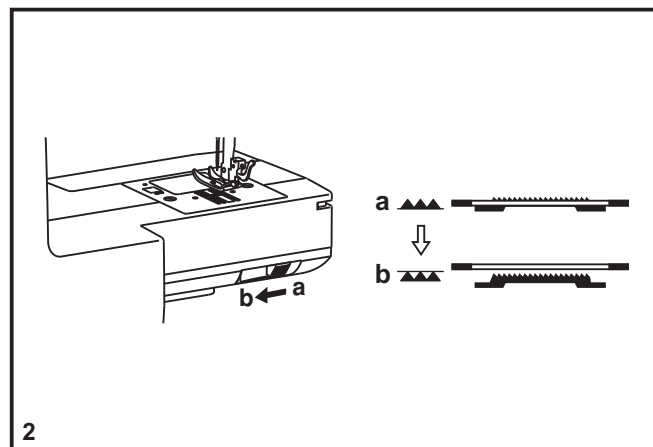
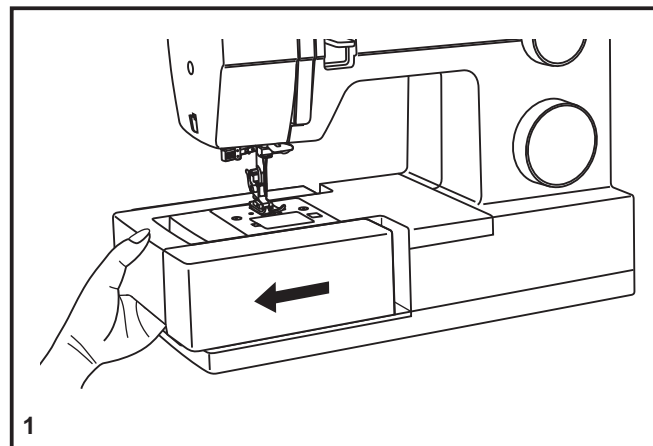
EN How To Drop Feed Dog

For ordinary sewing, keep the feed dogs engaged, for freehand embroidery, sewing on buttons and darning, drop the feed dogs.

To raise (a) and lower (b) feed dogs. (2)

To lower feed dogs: Push lever towards position (b). (2)

To raise feed dogs: Push lever towards position (a). (2). Turn handwheel towards you until you see the feed dogs re-engage.



EN Inserting & Changing Needles

Change the needle regularly, especially if it is showing signs of wear and causing problems. For best sewing results always use SINGER® needles.

Insert the needle as illustrated as follows:

- A. Loosen the needle clamp screw and tighten again after inserting the new needle. (1)
- B. The flat side of the shaft should be towards the back.
- C/D. Insert the needle as far as it will go.

Attention:

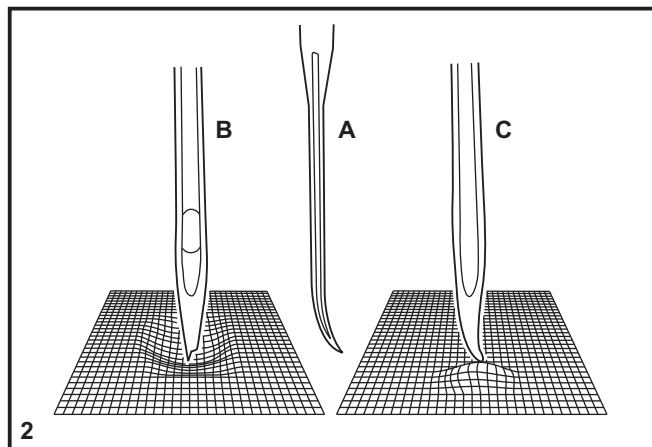
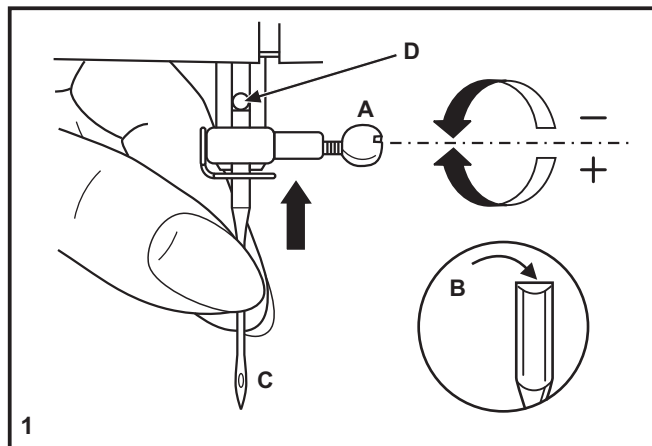
Turn power switch to off ("O") before inserting or removing the needle.

Needles must be in perfect condition. (2)

Problems can occur with:

- A. Bent needles
- B. Damaged points
- C. Blunt needles

Replace your needle after an average of 16 hours of sewing for better quality stitching.



EN Troubleshooting Guide

Problem	Cause	Correction
Upper thread breaks	1. The machine is not threaded correctly. 2. The thread tension is too tight. 3. The thread is too thick for the needle. 4. The needle is not inserted correctly. 5. The thread is wound around the spool holder pin. 6. The needle is damaged.	1. Rethread the machine. 2. Reduce the thread tension. (lower number) 3. Select a larger needle. 4. Remove and reinsert the needle. (flat side towards the back) 5. Remove the reel and wind thread onto reel. 6. Replace the needle.
Lower thread breaks	1. The bobbin case is not inserted correctly. 2. The bobbin case is threaded wrong.	1. Remove and reinsert the bobbin case and pull on the thread. The thread should pull easily. 2. Check both bobbin and bobbin case.
Skipped stitches	1. The needle is not inserted correctly. 2. The needle is damaged. 3. The wrong size needle has been used. 4. The foot is not attached correctly.	1. Remove and reinsert needle. (flat side towards the back) 2. Insert a new needle. 3. Choose a needle to suit the thread and fabric. 4. Check and attach correctly.
Needle breaks	1. The needle is damaged. 2. The needle is not correctly inserted. 3. Wrong needle size for the fabric. 4. The wrong foot is attached.	1. Insert a new needle. 2. Insert the needle correctly. (flat side towards the back) 3. Choose a needle to suit the thread and fabric. 4. Select the correct foot.
Loose stitches	1. The machine is not correctly threaded. 2. The bobbin case is not correctly threaded. 3. Needle/ fabric/ thread combination is wrong. 4. Thread tension wrong.	1. Check the threading. 2. Thread the bobbin case as illustrated. 3. The needle size must suit the fabric and thread. 4. Correct the thread tension.
Seams gather or pucker	1. The needle is too thick for the fabric. 2. The stitch length is adjusted wrong. 3. The thread tension is too tight.	1. Select a finer needle. 2. Readjust the stitch length. 3. Loosen the thread tension.
Uneven stitches, uneven feed	1. Poor quality thread. 2. The bobbin case is threaded wrong. 3. Fabric has been pulled.	1. Select a better quality thread. 2. Remove bobbin case, thread and insert correctly. 3. Do not pull on the fabric while sewing, let the feed dogs pull the fabric under the foot.
The machine is noisy	1. Lint or oil have collected on the hook or needle bar. 2. The needle is damaged.	1. Clean the hook and feed dog as described. 2. Replace the needle.
The machine jams	Thread is caught in the hook, because upper tension is not threaded correctly.	Remove the upper thread and bobbin case. Gently rock the handwheel backwards and forwards by hand and remove the thread from the bobbin area.



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