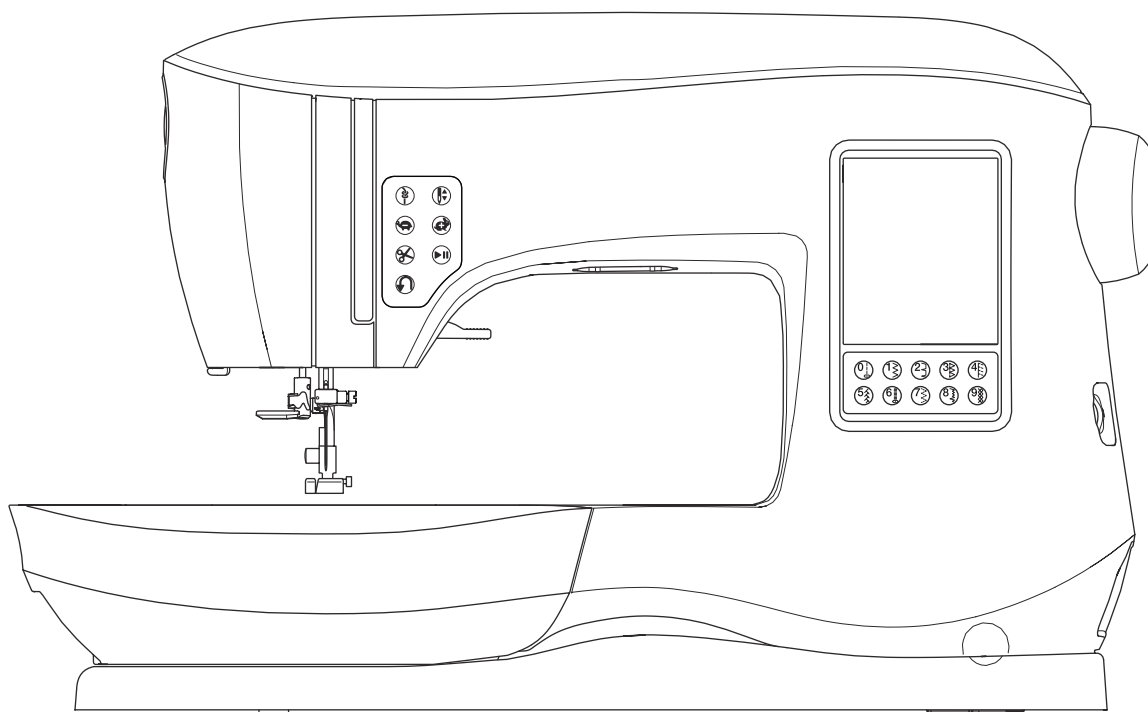


INSTRUCTION MANUAL

SE300
SE340



 **SINGER®**



IMPORTANT SAFETY INSTRUCTIONS

This household sewing machine is designed to comply with IEC/EN 60335-2-28 and UL 1594.

IMPORTANT SAFETY INSTRUCTIONS

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

Read all instructions before using this household sewing machine. Keep these instructions conveniently near the machine. Make sure to hand them over if the machine is given to a third party.

⚠ DANGER

To reduce the risk of electric shock:

A sewing machine should never be left unattended when plugged in. Always unplug this sewing machine from the electric outlet immediately after using and before cleaning, removing covers or when making any other user servicing adjustments mentioned in the instruction manual.

⚠ WARNING

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

- Do not allow to be used as a toy. Close attention is necessary when this sewing machine is used by or near children.
- Use this sewing machine only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
- Never operate this sewing machine 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 sewing machine to the nearest authorized service center for examination, repair, electrical or mechanical adjustment.
- Never operate the sewing machine with any air openings blocked. Keep ventilation openings of the sewing machine free from the accumulation of lint, dust, and loose fabric.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Always use the proper needle plate. The wrong plate can cause the needle to break.
- Do not use bent needles.
- Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
- Wear safety glasses.
- Switch the sewing machine off ("0") when making any adjustment in the needle area, such as threading needle, changing needle, threading bobbin, changing presser foot, etc.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- To disconnect, turn all controls to the off ("0") position, then remove plug from outlet.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- The foot control is used to operate the machine. Avoid placing other objects on the foot control.
- Do not use the machine if it is wet.
- If the LED lamp is damaged or broken, it must be replaced by the manufacturer or its service agent or a similarly qualified person, in order to avoid a hazard.
- If the supply cord connected with the foot control is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person, in order to avoid a hazard.

IMPORTANT SAFETY INSTRUCTIONS

EN

- This sewing machine is provided with double insulation. Use only identical replacement parts. See instructions for Servicing of Double-Insulated Appliances.

SAVE THESE INSTRUCTIONS

Servicing should be performed by an authorized service representative.

FOR EUROPE ONLY:

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

The noise level under normal operating conditions is less than 70db.

The machine must only be used with foot control of type C-9001 manufactured by CHIEN HUNG TAIWAN Ltd.

FOR OUTSIDE EUROPE:

This sewing machine 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 sewing machine by a person responsible for their safety. Children should be supervised to ensure that they do not play with the sewing machine.

The noise level under normal operating conditions is less than 70db.

The machine must only be used with foot control of type C-9001 manufactured by CHIEN HUNG TAIWAN Ltd.

SERVICING OF DOUBLE INSULATED PRODUCTS

In a double-insulated product, two systems of insulation are provided instead of grounding. No ground means is provided on a double-insulated product, nor should a means for grounding be added to the product. Servicing of a double-insulated product requires extreme care and knowledge of the system and should be done only by qualified service personnel. Replacement parts for a double-insulated product must be identical to those parts in the product. A double-insulated product is marked with the words 'DOUBLE INSULATION' or 'DOUBLE INSULATED'.

PREFACE

Thank you for your purchase of this sewing machine.

This machine intended for household use will provide you with excellent performance in sewing from light to heavy material and sewing embroidery designs and lettering.

Please refer to this booklet for proper use and optimum performance. To get the most out of your sewing machine, read the entire instruction manual before attempting to operate the machine. Then familiarize yourself with the machine by following the instruction manual page by page.

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 without notification or obligation.

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DESIGN BOOK

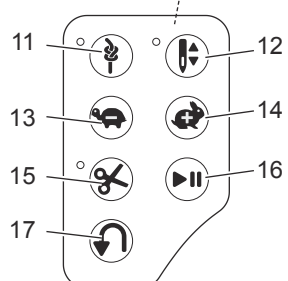
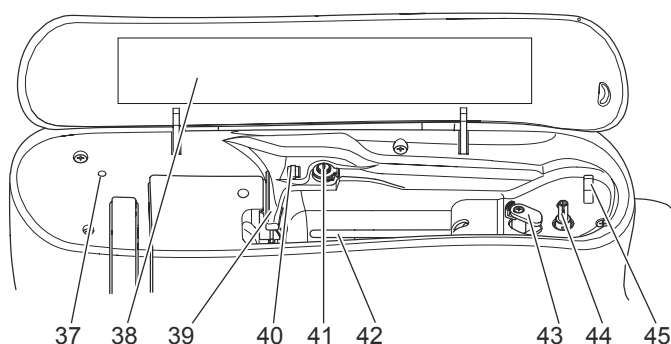
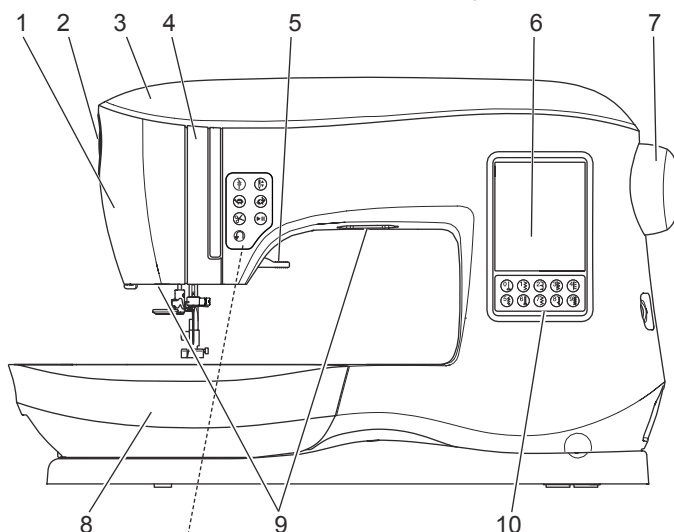
MAIN PARTS

1. Face Plate
2. Pressure Regulator
3. Top Cover
4. Thread Take-Up Lever (Inside)
5. Presser Foot Lifter

6. Touch Panel LCD
7. Hand Wheel
8. Removable Extension Table
9. LED Lights
10. Ten-key Buttons

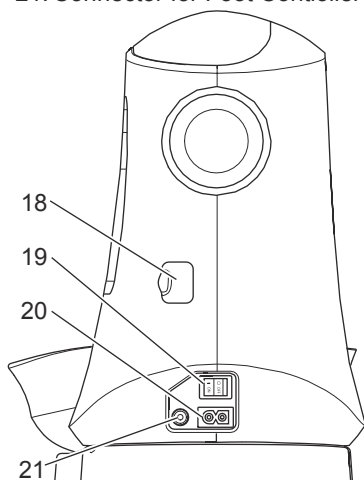
37. Auxiliary Spool Pin Holder
38. Pattern Chart
39. Thread Guide
40. Thread Guide
41. Bobbin Winding Tension Disk

42. Spool Pin
43. Bobbin Winder Stop
44. Bobbin Winder Spindle
45. Bobbin Winder Thread Cutter

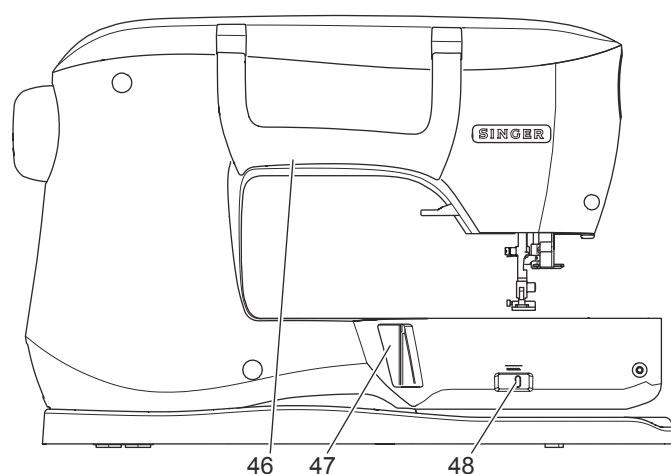


18. USB Embroidery Stick Socket
19. Power Switch
20. Connector for Power Cord
21. Connector for Foot Controller

11. Tack Button with LED
12. Needle Position Up/Down Button with LED
13. Speed Decrease Button
14. Speed Increase Button
15. Thread Cutter Button with LED
16. Start/Stop Button
17. Reverse Stitch Button

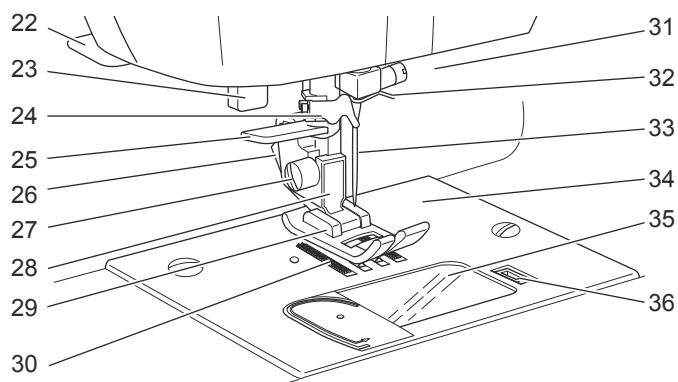


46. Handle
47. Embroidery Unit Connection Socket
48. Drop Feed Lever



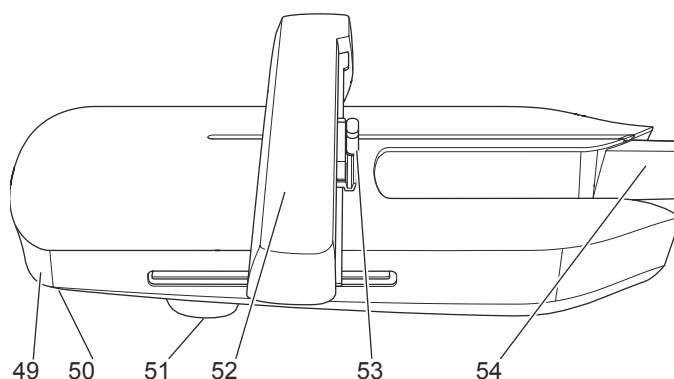
22. Thread Cutter
23. Buttonhole Lever
24. Thread Guide
25. Needle Threader Lever
26. Presser Foot Release Lever
27. Presser Foot Screw
28. Presser Foot Holder

29. Presser Foot
30. Feed Dogs
31. Needle Clamp Screw
32. Needle Thread Guide
33. Needle
34. Needle Plate
35. Bobbin Cover
36. Bobbin Cover Latch



- Embroidery Unit -**
49. Accessory Tray
 50. Embroidery Unit Release Lever
 51. Level Adjusting Feet (Bottom of Unit)

52. Embroidery Hoop Carriage
53. Embroidery Hoop Connection Assembly
54. Embroidery Unit Socket

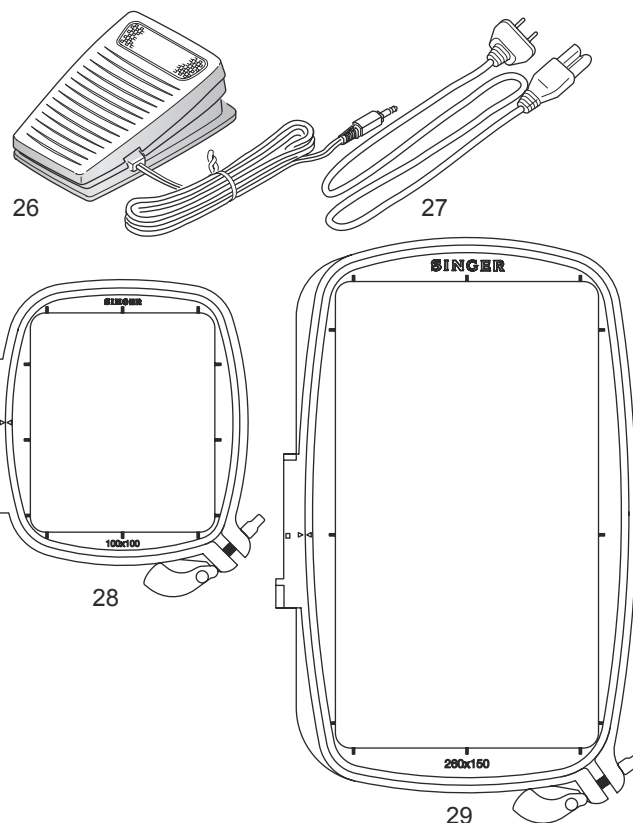
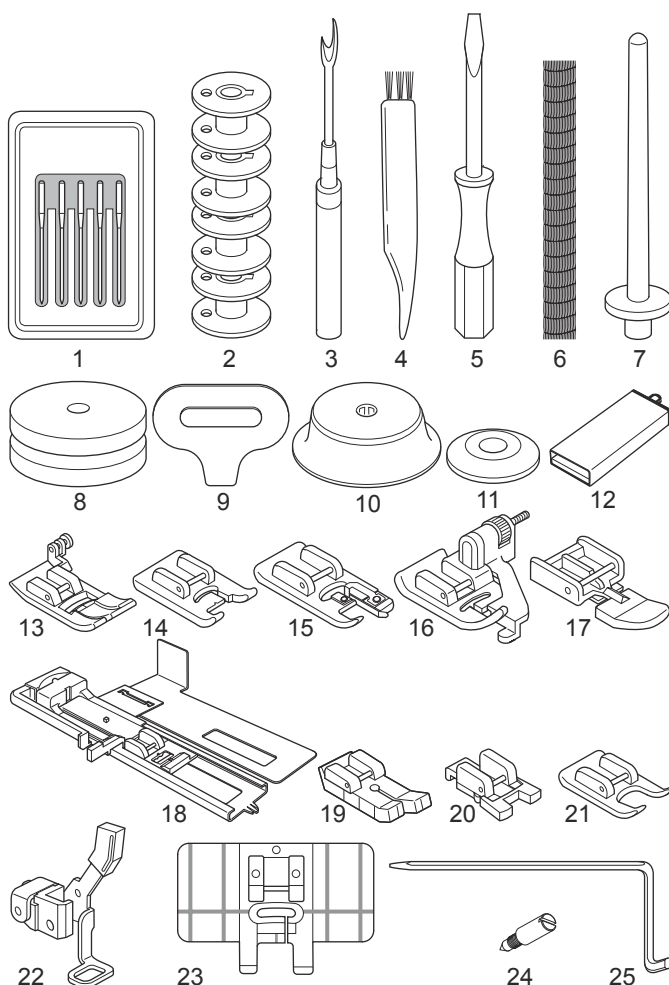


ACCESSORIES

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Some accessories are stored in the accessory tray.

1. Needle Pack
2. 5 SINGER Class 15 Bobbins (transparent)
(one is in the machine)
3. Seam Ripper
4. Brush
5. Screwdriver
6. Thread Net
7. Auxiliary Spool Pin
8. Felt Washers
9. Screwdriver for Needle Plate
10. Spool Cap
11. Small Thread Cap
12. USB Embroidery Stick
13. All-Purpose Foot (A) (on the machine when delivered)
14. Satin Foot (B)
15. Overcasting Foot (C)
16. Blind Hem Foot (D)
17. Zipper Foot (E)
18. Buttonhole Foot (F) and Underplate
19. Straight Stitch / Patchwork Foot
20. Button Sewing Foot
21. Open Toe Foot
22. Embroidery Foot (L)
23. Parallel Sewing Foot
24. Long Needle Clamp Screw
(used only for zig-zag free-motion sewing)
25. Quilting Bar
26. Foot Controller
27. Power Line Cord
28. Embroidery Hoop 100mm x 100mm (4" x 4")
29. Embroidery Hoop 260mm x 150mm (10 1/4" x 6")

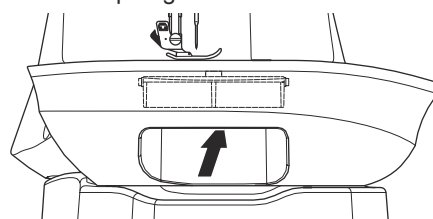


SETTING UP THE MACHINE

REMOVABLE EXTENSION TABLE

To OPEN THE ACCESSORY TRAY

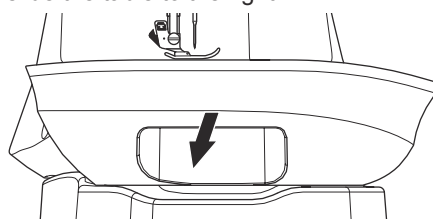
The machine's accessories are stored in the tray of the removable extension table. To open the tray, reach under the table, then pull the lever located under the table, while resting your thumb on the top edge of the table.



To REMOVE THE EXTENSION TABLE

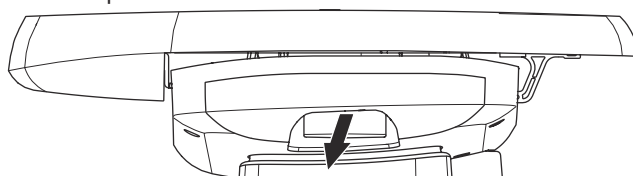
Hold left side of the extension table and pull to the left. (NOT pulling the lever for accessory tray.)

To attach, slide the table to the right.



ACCESSORY TRAY OF THE EMBROIDERY UNIT

The accessory tray is located on the left side of the embroidery unit. Pull to open.



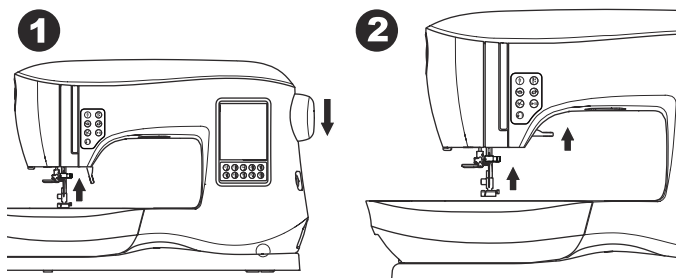
The presser foot must be changed according to the stitch or technique you sew. Information on sewing and sewing techniques begins on page 21.

CAUTION

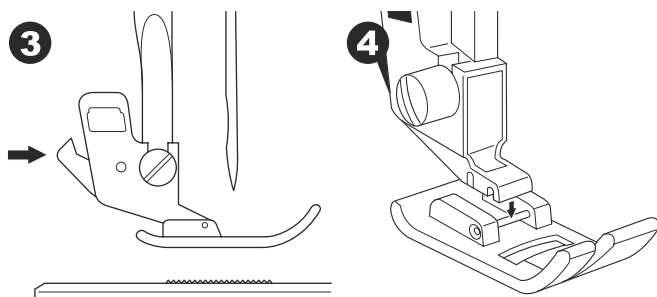
To prevent accidents:
Turn off the power switch before you change the presser foot.

CHANGING THE PRESSER FOOT

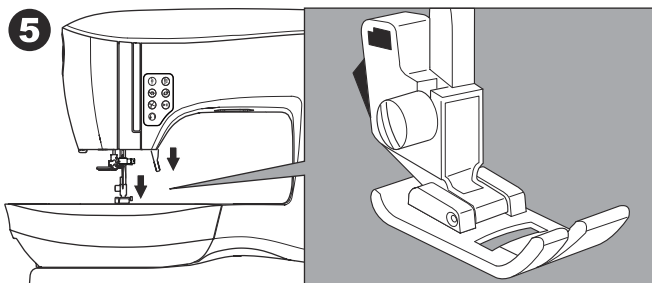
1. Turn the hand wheel toward you until the needle is at its highest position.
2. Raise the presser foot lifter.



3. Remove the presser foot by pushing the presser foot release lever toward you.
4. Place desired foot with its pin directly under the slot in presser foot holder.



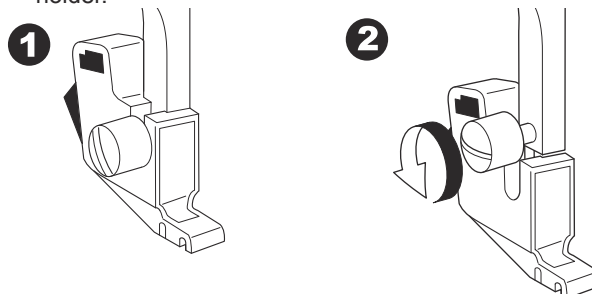
5. Lower the presser foot lifting lever and the presser foot will snap into place.



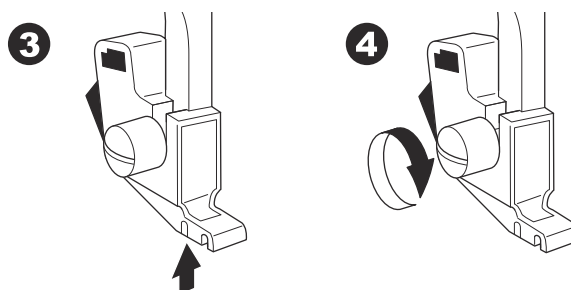
REMOVING THE PRESSER FOOT HOLDER

When attaching presser feet that have their own shank, or when cleaning the machine, you should remove the presser foot holder.

1. Remove the presser foot.
2. Loosen the presser foot screw and remove the presser foot holder.



3. To replace the holder, pull up the holder as far as it will go from bottom of presser bar.
4. Tighten the presser foot screw securely using the screwdriver.



NOTE: This sewing machine is a low shank model. When shopping for optional SINGER presser feet and accessories, make sure they are designed for low shank models.

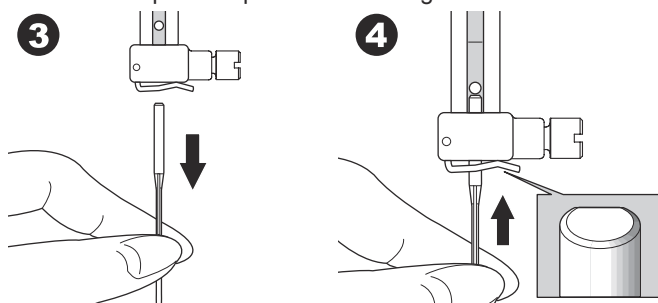
REMOVING & INSERTING THE NEEDLE

Select a needle of the appropriate style and size for the fabric to be sewn.

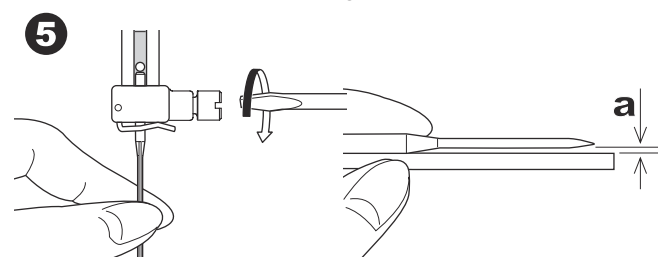
CAUTION

To prevent accidents:
Turn off the power before removing the needle.

1. Turn the hand wheel toward you until the needle is at its highest position.
2. Loosen the needle clamp screw.
3. Remove the needle.
4. Insert new needle into needle clamp with the flat side to the back and push it up as far as it will go.



5. Tighten the needle clamp screw.
Do not use a bent or blunt needle (a). Place needle on a flat surface to check its straightness.



FABRIC, THREAD AND NEEDLE CHART

Select size of thread and needle in accordance with fabric to be sewn.

SINGER brand needles are recommended for this machine.

Type of Fabric	Thread Size	Needle Type	Needle Size
Light Weight - thin georgette, organdy, voile, taffeta, silk, etc.	All-purpose polyester, fine cotton, silk	SINGER Style 2000 or 2020	9/70-11/80
Medium Weight - gingham, pique, linen, cotton, satin, thin corduroy, velvet	All-purpose polyester, fine cotton, machine quilting	SINGER Style 2000 or 2020	11/80-14/90
Heavy Weight - gabardine, tweed, denim, corduroy	All-purpose polyester, heavy duty, topstitching thread	SINGER Style 2000 or 2020	14/90-16/100
Stretch - double knit, tricot, spandex, jersey	All-purpose polyester	SINGER Style 2001 or 2045	11/80-14/90 Needle for knit or stretch fabrics
Sweatshirt, Swim-wear, Double Knit, Sweater Knit	All-purpose polyester	SINGER Style 2001 or 2045	14/90 Needle for knit or stretch fabrics
Leather	All-purpose polyester, heavy duty, topstitching thread	SINGER 2032 Leather	

NOTE:

For information on appropriate fabrics, stabilizers, needles and threads for embroidery, see page 45.

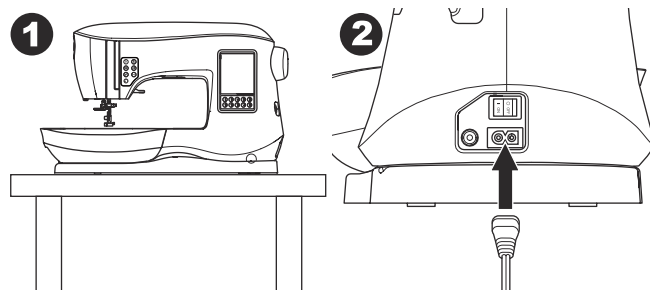
ELECTRICAL CONNECTION**⚠ DANGER**

To reduce the risk of electric shock:
Never leave unattended when plugged in. Always unplug this machine from the electric outlet immediately after using and before maintenance.

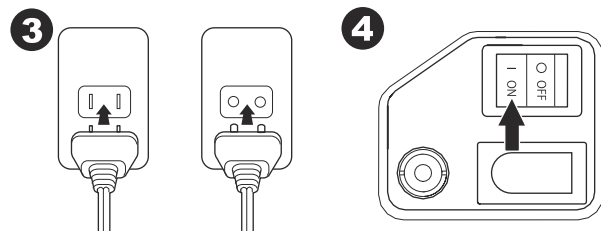
⚠ WARNING

To reduce the risk of burns, fire, electric shock, or injury to persons:
Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.

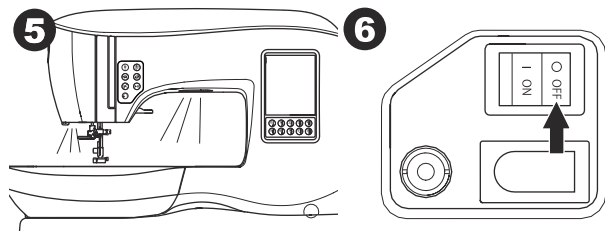
1. Place machine on stable surface.
2. Connect the power line cord to the machine by inserting the 2-hole plug into the power cord connector.



3. Connect the power line plug to the electric outlet.
4. Turn on the power switch.



5. The lamps will light up when switch is turned on (symbol I).
6. To disconnect, turn the power switch to the off position (symbol O), then remove plug from outlet.


**FOR UNITED STATES AND CANADA USERS:
POLARIZED PLUG INFORMATION**

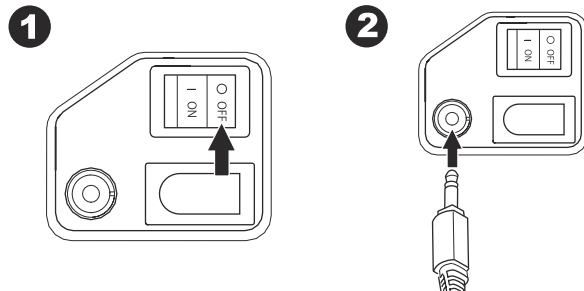
This appliance has a polarized plug (one blade wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install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

FOOT CONTROLLER

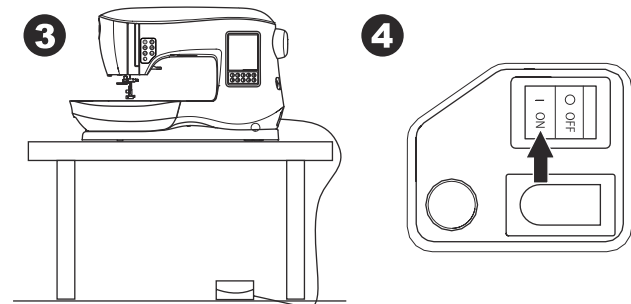
Use of foot controller will permit control of start, stop and speed with your foot.

When the foot controller is connected, Start/Stop button will be deactivated. (Next page)

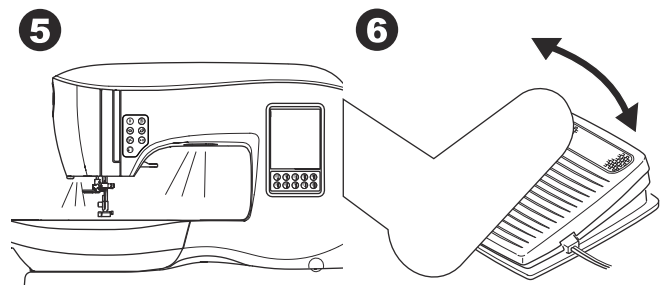
1. Turn off the power switch. (symbol O)
2. Push foot controller plug into the connector on machine.



3. Place foot controller at your feet.
4. Turn on the power switch.



5. A lamp will light up when switch is turned on.
6. The harder you press the foot controller, the faster the machine will sew. The machine will stop when foot controller is released.

**⚠ WARNING**

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

1. Turn off the power when connecting the foot controller to the machine.
2. Handle the foot controller with care and avoid dropping it on the floor. Be sure not to place anything on top of it.
3. Use only foot controller provided with this machine. (type C-9001 manufactured by CHIEN HUNG TAIWAN Ltd)

MACHINE CONTROL FUNCTIONS

TACK BUTTON WITH LED (A)

Press the tack button while sewing and your machine sews a few Tack stitches and stops automatically. When pressed while not sewing, machine will sew a tack and stop automatically at the beginning of next sewing. The LED light will turn on until tack stitch has completed.

NEEDLE POSITION UP/DOWN BUTTON WITH LED (B)

Press this button to move the needle up or down. The setting of the needle stop position is changed at the same time. When needle position is set to down, the LED will turn on.

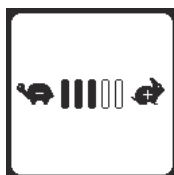
You can also tap the foot control to raise or lower the needle.

SPEED CONTROL BUTTON (C, D)

The Speed Control Buttons allow you to incrementally increase or decrease the sewing speed. When either button (C or D) is pressed, a pop-up message appears showing the range of speed settings available.

NOTE:

When the foot controller is connected, these buttons decrease and increase the speed limit.



THREAD CUTTER BUTTON WITH LED (E)

Press this button after sewing to cut the upper and bobbin threads.

The LED will turn on and cut both threads automatically. To cut before the needle moves to the start position of the next stitch, press the Thread Cutter button while sewing. The LEDs (A & E) will be lit and the machine will cut the threads after the stitch or sequence has completed.

CAUTION:

1. Do not press this button when there is no fabric under the presser foot or no need to cut the threads. The thread may tangle, resulting in damage.
2. Do not use this button when cutting thread thicker than #30, nylon thread or other speciality threads. In this case, use the thread cutter (H).
3. Do not use the Thread Cutter button when sewing with a twin needle or a hemstitching (wing) needle.

START/STOP BUTTON (F)

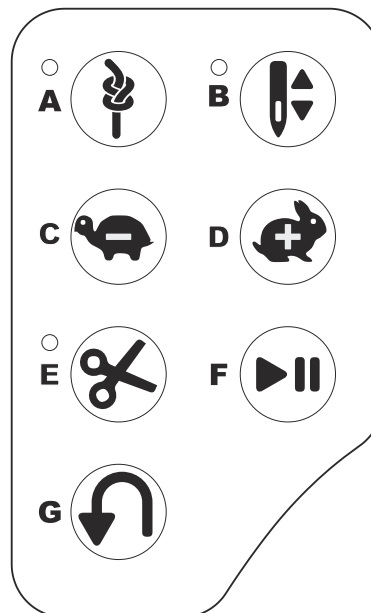
The machine will start running when Start/Stop button is pressed and will stop when pressed the second time. The machine will rotate slowly at start of sewing.

NOTE:

1. When the foot controller is connected, Start/Stop button will be deactivated.
2. Bobbin winding function is independent from this button. (See page 17)

REVERSE STITCH BUTTON (G)

The machine will sew in reverse while this button is pressed. When released, machine will sew forward.



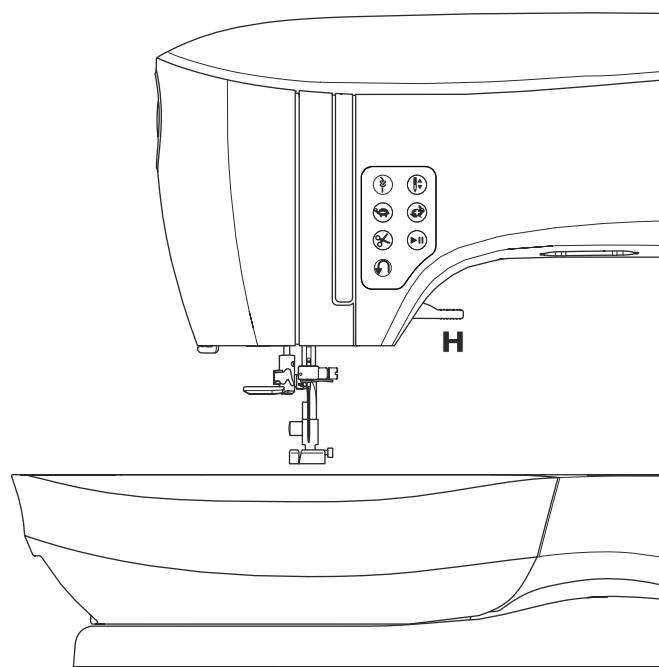
PRESSER FOOT LIFTER (H)

The presser foot is raised or lowered by this lever.

If you are sewing on heavy fabric or several layers of fabric, the presser foot can be raised higher to make it easier to place the fabric underneath the presser foot.

NOTE:

Machine will not start when the presser foot is raised. (Except for bobbin winding)



THREAD CUTTER (I)

Use this cutter if the Thread Cutter button is not used.

1. Raise the presser foot and bring fabric and threads backward after sewing.
2. Hook the threads to the thread cutter from back to front.
3. Pull the thread tails to cut the threads.

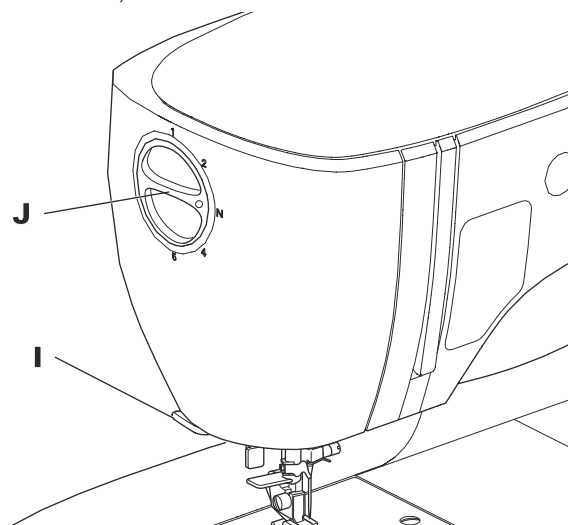
PRESSURE REGULATOR (J)

The correct presser foot pressure allows fabrics to feed properly while sewing. The setting of the presser foot pressure is determined mainly by the weight of the fabric being sewn. For lightweight fabrics such as sheers, batiste, voile, etc, the pressure is decreased. For heavyweight fabrics like denim or canvas, the pressure is increased.

To increase the pressure, turn dial to 5.

To decrease the pressure, turn dial to 1.

For most fabrics, turn dial to N.



DROP FEED LEVER (M)

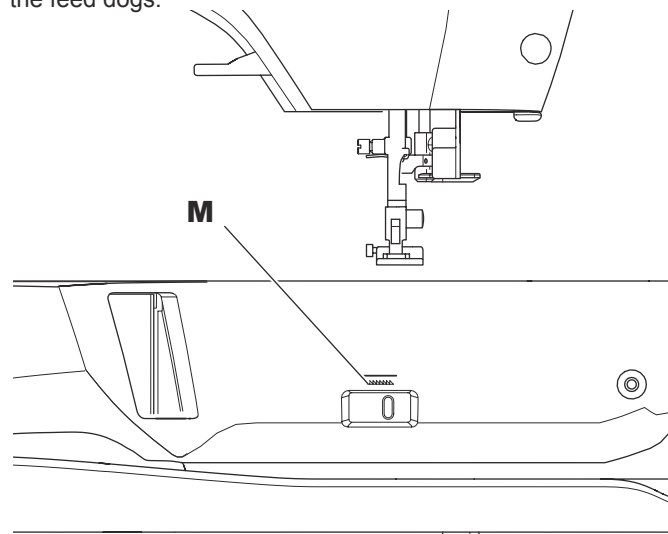
The feed dogs project up through the needle plate, directly below the presser foot. Their function is to move the fabric while it is being sewn. The Drop Feed Lever located on the back of the free arm controls the feed dogs.

For ordinary sewing, move the lever to the right. This raises feed dogs to their highest position. For most sewing, the lever should be in this position.

For darning or free-motion embroidery, or whenever fabric is to be moved by hand, move the lever to the left to lower the feed dogs.

NOTE:

After sewing with the feed dogs lowered, push the Drop Feed Lever back to the right to resume sewing with feed dogs engaged. Push the lever to the right and then turn the handwheel toward you one full revolution. This will re-engage the feed dogs.

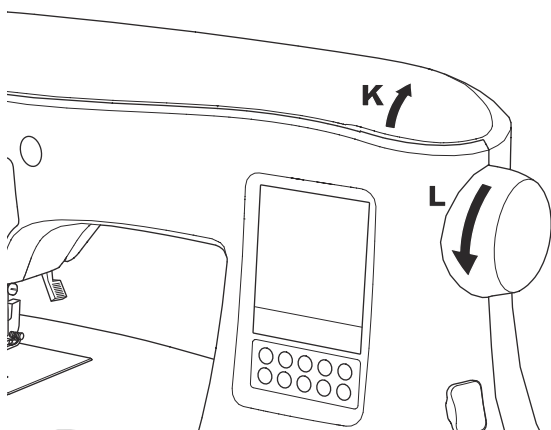


TOP COVER (K)

To open the top cover, lift up the front right side of the cover.

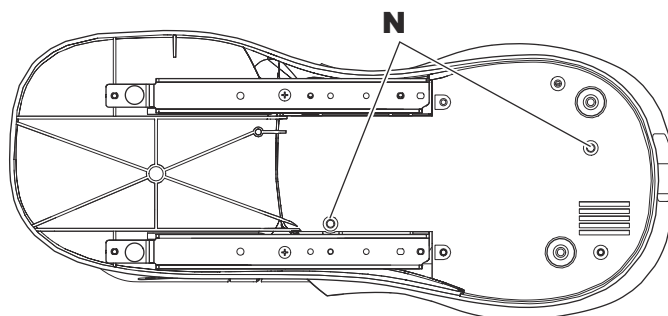
HAND WHEEL (L)

By turning the hand wheel, the needle will raise or lower. You should always turn hand wheel toward you.



MOUNTING MACHINE IN SEWING CABINET (N)

There are two holes on the underside of the machine designed for mounting the machine into a sewing cabinet. Align the holes (indicated in the picture) with the corresponding holes in the cabinet base. Attach the machine with screws. (Screws not included)



TOUCH PANEL LCD

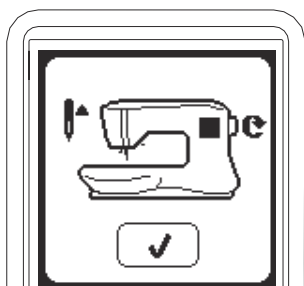
When you turn on the power, the touch panel LCD will display the Home Screen.

NOTE:

If the message show below appears, this means the needle is not in correct position. Turn the hand wheel toward you to raise the needle to its highest position. Then press the "✓" button.

CAUTION

Do not press the screen too hard and do not use sharp objects to touch it. Doing so can damage the screen. Touch the screen with your finger only.



HOME SCREEN (A)

When you turn on the power, machine will display the Home Screen (see below). Home Screen will indicate two buttons:

a. Sewing Mode Button

By pressing this button, you can select and sew stitch pattern normally.

b. Sequence Mode Button

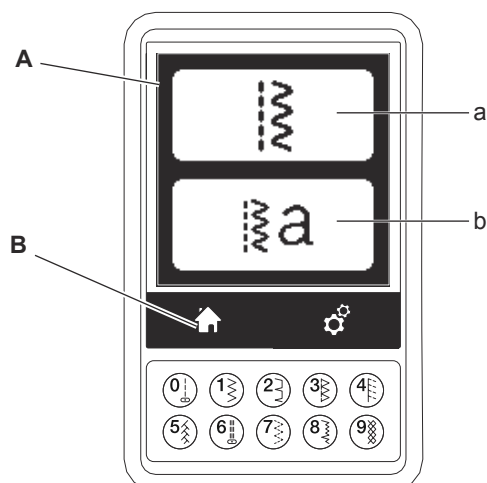
By pressing this button, you can combine stitch patterns and letters easily by selecting each pattern or letter.
FOR SELECTING AND SETTING OF SEQUENCE MODE, SEE PAGE 38.

NOTE:

If the embroidery unit is attached, a different Home Screen will appear. Turn the machine off, then remove the embroidery unit. (See page 42)

HOME BUTTON (B)

You can return to the Home Screen from any other view by pressing the Home Button.



SEWING MODE

At the Home Screen, by pressing the Sewing Mode button, machine will select straight stitch first. You can select and sew all stitch patterns indicated in the Direct Selection Buttons and the pattern chart located inside of the top cover.

NOTE:

It is not possible to sew when the embroidery unit is attached.

STITCH INFORMATION

a. Stitch Pattern

The shape of stitch pattern will change according to the setting of stitch length, width, mirror/reverse and elongation.

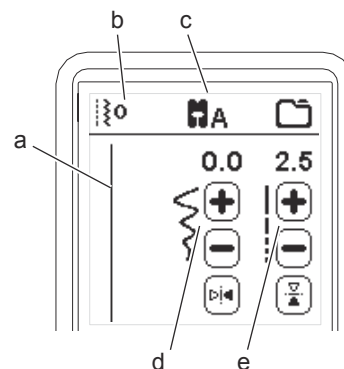
b. Pattern Number

c. Recommended Presser Foot

Indicated presser foot is one of suggested foot for normal sewing. You can use other presser feet as described in this instruction manual.

d. Stitch Width/Needle Position

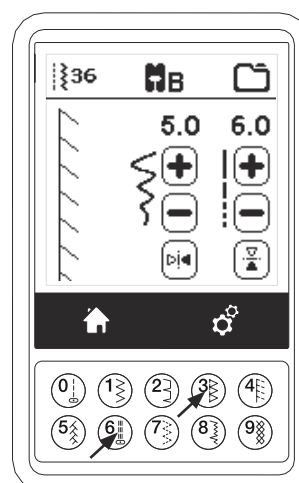
e. Stitch Length/Density



SELECTING A STITCH

By pressing one of the Direct Selection Buttons (0-9), you can select that stitch number immediately.

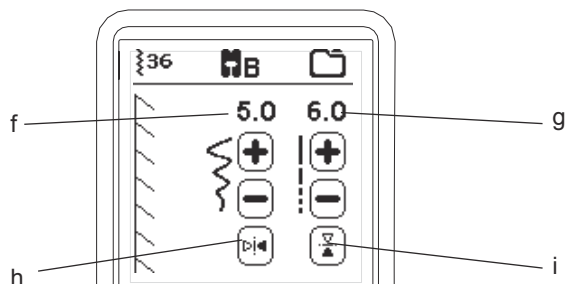
Press two or three digits in quick succession to select a stitch from 10 and up. If the stitch number does not exist, you will hear a beep and the last entered stitch number will remain selected.



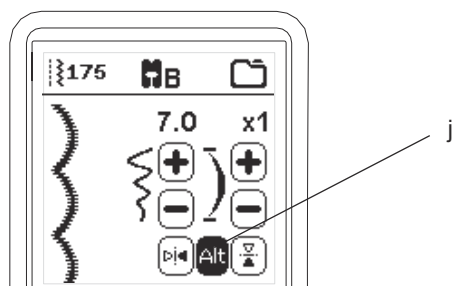
SETTING OF THE STITCH PATTERN

Your machine will automatically select optimum settings for each stitch. You can make adjustments to every stitch as desired. Adjusted settings only affect the selected stitch and will be reset to default when another stitch is selected. Adjusted settings are not automatically saved when the machine is turned off.

- f. **Stitch Width/Needle Position**
Increase or decrease the stitch width using + and - buttons. For straight stitches, use + and - to move the stitch position left or right.
When a setting is changed, the numbers will be highlighted. When trying to exceed minimum or maximum settings, a warning sound will be heard.
- g. **Stitch Length/Density**
Increase or decrease the stitch length using + and - buttons.
When sewing stitches from the Satin category (stitches 157-174), use the + and - buttons to increase or decrease stitch density. This may be necessary depending on the type of thread being used.
When a satin stitch is selected, the icon changes to show that stitch density is active instead of stitch length.
- h. **Width Mirroring**
By pressing the Width Mirror button, stitch will flip from left to right.
- i. **Length Mirroring**
By pressing the Length Mirror button, stitch will flip from top to bottom.
When mirroring is active, the button will be highlighted. If mirroring is not available, a warning sound will be heard.



- j. **Elongation**
Stitches in the Elongation category (stitches 175-197) can be elongated. The entire stitch will be longer but the density will remain the same. Press the Alt button to show the elongation setting instead of density for satin stitches. The density changes to show an elongation symbol. Increase or decrease the elongation of the satin stitch using the + and - buttons.



MACHINE SETTINGS

SETTING BUTTON (A)

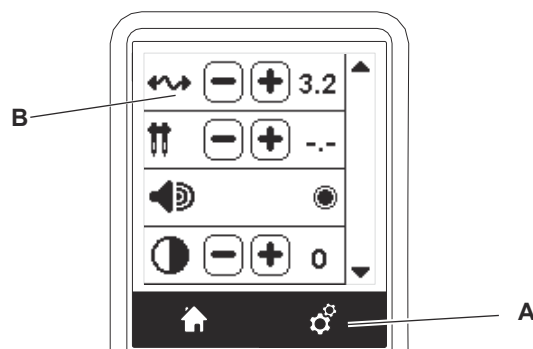
Before or during the sewing process, you can adjust the settings by pressing the Setting Button.

The Setting Screen will appear.

This screen is scrolled by pressing the right side arrow buttons. Pressing the Setting Button again, machine will return to previous screen.

NOTE:

All settings except for thread tension will remain until you change them. Thread tension will return to pre-set when you change the pattern. Default settings will differ depending on the stitch selected.



THREAD TENSION (B)

This machine sets the thread tension automatically when pattern is selected. However, you can change the thread tension, as follows.

To increase the upper thread tension, press the + button. To decrease the upper thread tension, press the - button. If you change from pre-set, number will be highlighted.



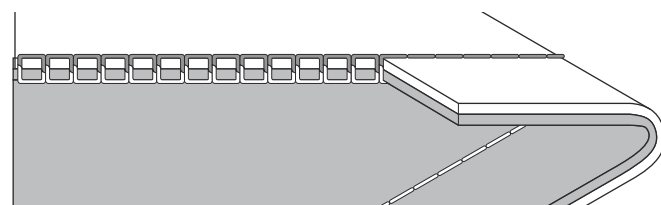
You can start sewing while in this mode and change tension while sewing.

To return to previous screen, stop sewing and press the Setting Button again.

When another stitch pattern is selected, thread tension will return to pre-set.

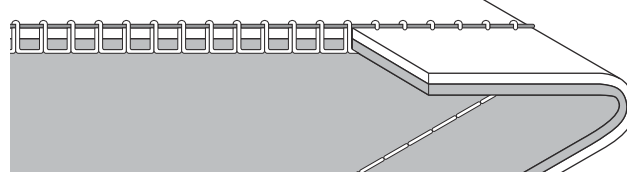
Preset Thread Tension

Upper and bobbin thread will lock approximately in the middle of fabric.



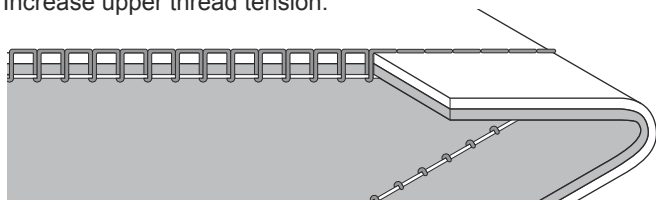
Upper Thread Tension Too Tight

Bobbin thread will appear on the top side of the fabric. Decrease upper thread tension.



Upper Thread Tension Too Loose

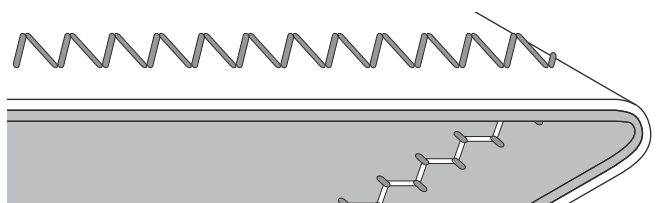
Upper thread will appear on the bottom side of the fabric.
Increase upper thread tension.



Thread Tension for Decorative Stitching

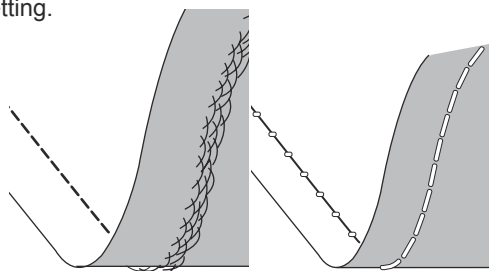
Thread tension should be set to a slightly looser tension than that for straight stitch.

The upper thread should appear slightly on the bottom side of your fabric, for example, when doing decorative sewing.



Helpful Hints

1. If your sewing appears as shown in the illustration (stitches on the top side of the fabric are good, but the bottom side looks very loopy), it is most likely that the upper thread is not threaded correctly. Refer to page 19 for correct threading.
2. If after checking the top thread and the bobbin thread is still showing on the top side, check the bobbin to see if it is set correctly. Refer to page 18 for information on correct bobbin setting.



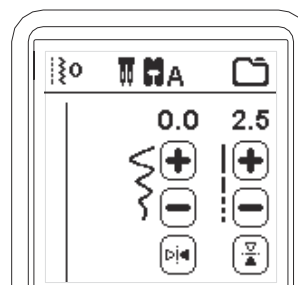
TWIN NEEDLE

Activate the twin needle program by pressing - or + buttons to set the twin needle width. When a twin needle width is selected, the width of all stitches is limited to prevent needle breakage.

To deactivate, press - button until number of twin needle width will disappear.

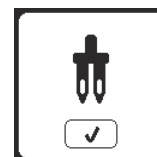


In sewing mode, the Twin Needle icon will be shown. The setting is kept until you deactivate it.
See page 37 for more information about twin needle sewing.

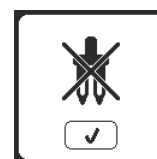


POP-UP MESSAGES ABOUT TWIN NEEDLE

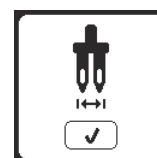
This pop-up message will appear when Twin Needle program is activated.
Check the needle and press the "✓" button to continue.



This message will appear when a stitch that cannot be used with twin needle, is selected.
Press the the "✓" button and select another pattern or reset the twin needle program.



This message will appear when stitch width is adjusted to the limit.
Press the the "✓" button to continue.



AUDIBLE BEEP

You can turn off the audible beep by pressing this button.

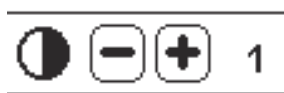
- i. Audible Beep is on.
- ii. Audible Beep is off.



CONTRAST OF SCREEN

You can adjust the contrast of screen.

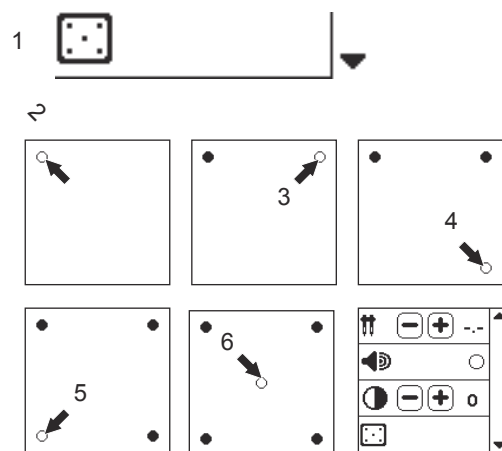
By pressing “+” or “-” button, contrast will increase or decrease.



CALIBRATION SCREEN

If the icons on the screen, in relationship to where you touch the screen, seem misaligned, the screen may need calibrating, as follows:

1. Scroll down the Settings Menu, then press the Calibration Screen button.
2. Press the each “O” mark indicated on the screen 5 positions. (4 corners and center)
When calibration is completed, setting screen will appear again.



NOTE:

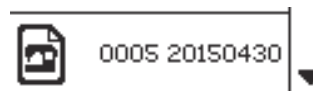
If calibration has not completed correctly, pop-up message will appear. Press the “✓” button and retry the calibration.



SOFTWARE VERSION

Software version of this sewing machine will be indicated at the bottom of this screen.

You can update the software by using the USB embroidery stick. (See page 47)



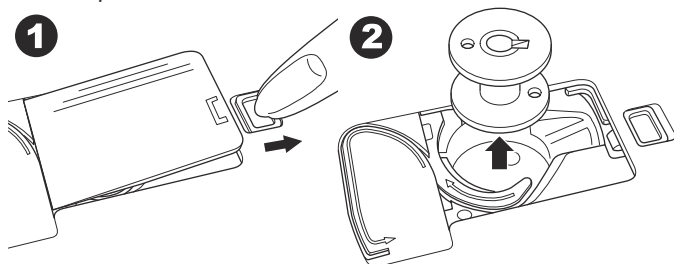
(example)

BOBBIN SETTING

Be sure to use only SINGER Class 15 bobbins (transparent) in this machine.

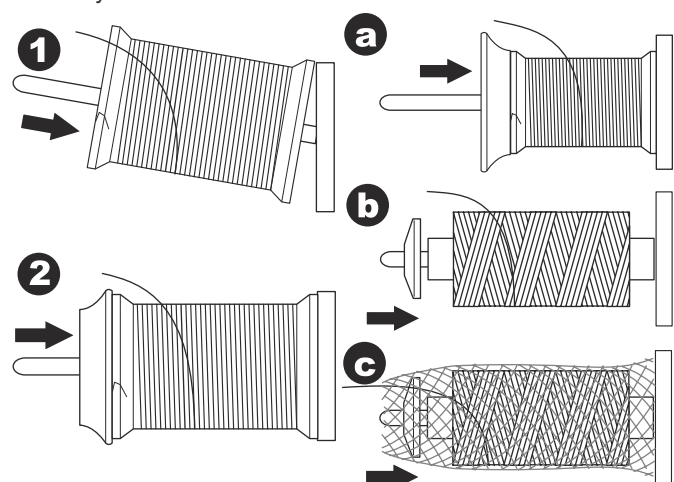
REMOVING THE BOBBIN

1. Pull the bobbin cover latch to the right and remove the bobbin cover.
2. Lift up the bobbin from the machine.



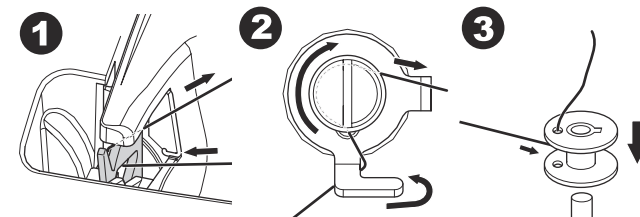
SETTING SPOOL OF THREAD ON SPOOL PIN

1. Pull up the left end of spool pin and set the felt washer and the spool of thread on spool pin so that the thread unrolls from the front of the spool.
2. Set the spool cap on spool pin as far as it will go.
 - a. Reverse spool cap direction according to the size of spool.
 - b. Use the small spool cap when you use cross wound thread. Leave small opening between cap and spool as illustrated.
 - c. Set the thread net over the spool if thread unrolls too easily.

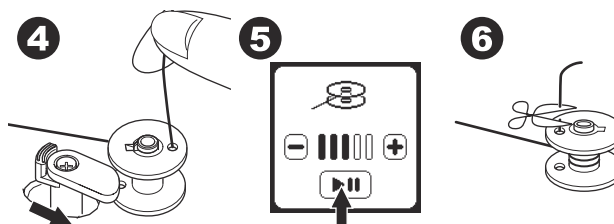


WINDING THE BOBBIN

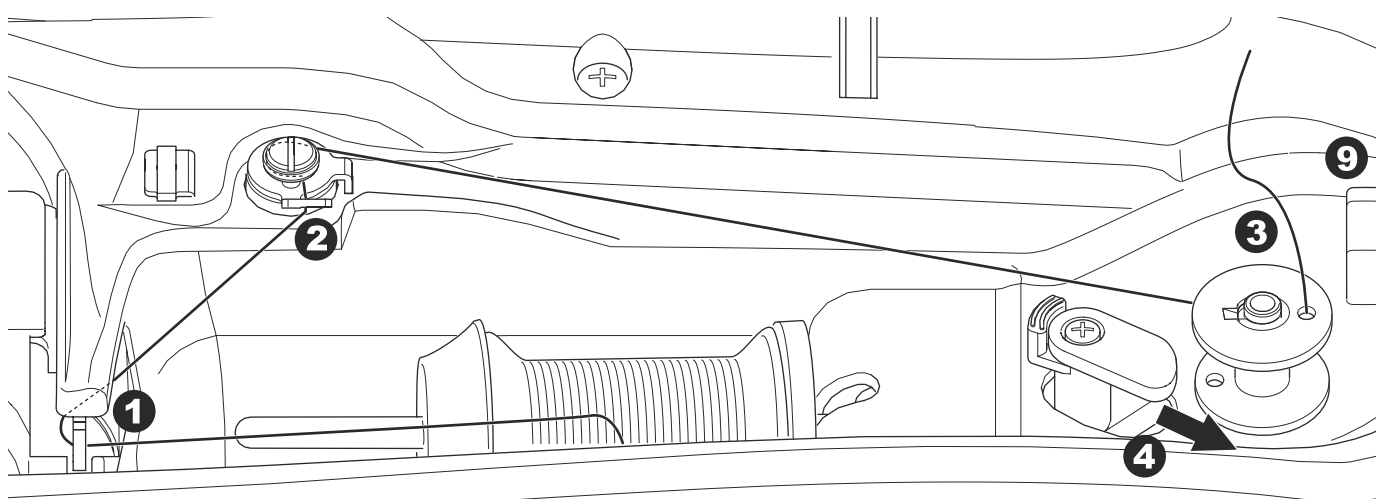
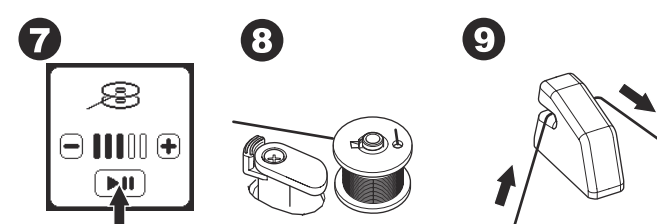
1. Hold thread in both hands and hook thread to the guide from front opening.
2. Bring thread to the right and pass it through the thread guide from the back side. Pass thread under the bobbin winding tension disk in a clockwise direction.
3. Insert thread through hole in bobbin and place the bobbin on bobbin winder spindle.



4. Hold the end of the thread and push bobbin stopper to the right. When the bobbin winding screen appears, press the Start/Stop button on the screen to start winding.
5. After the bobbin winds a few turns, stop the machine by pressing the Start/Stop button on the screen.
6. Cut the thread near the hole, as illustrated.



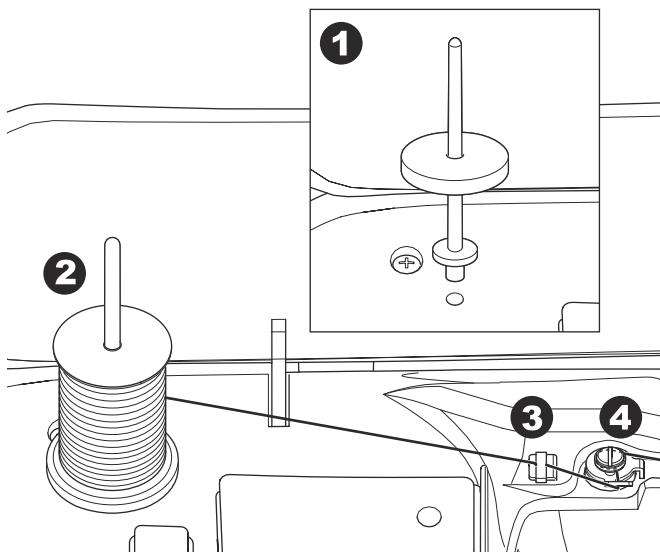
7. Start the machine again by pressing the Start/Stop button on screen. You can adjust winding speed by pressing "+" (faster) or "-" (slower) button on the screen.
8. When the bobbin is wound fully, the bobbin stopper will return to the left and stop winding automatically.
9. Remove the bobbin from the spindle and cut thread with the thread cutter.



WINDING BOBBIN INDEPENDENTLY

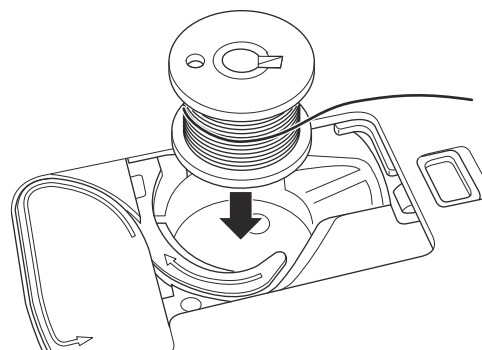
You can wind the bobbin independently while stitching.

1. Insert the auxiliary spool pin into the hole at the left side on the top of the machine.
2. Place the felt washer and spool of thread onto the auxiliary spool pin.
3. Bring thread to the right and hook the thread to the thread guide from rear opening.
4. Follow the normal winding procedure from Steps 2 to 9 (on page 17).

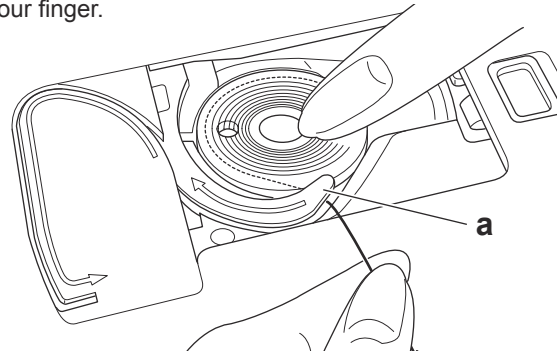


INSERTING THE BOBBIN

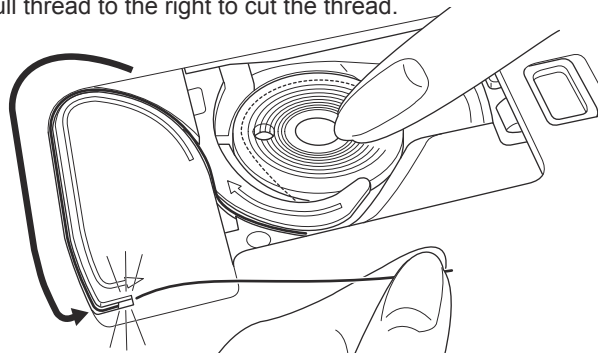
1. Place bobbin into bobbin case, making sure the bobbin turns in a counter-clockwise direction.



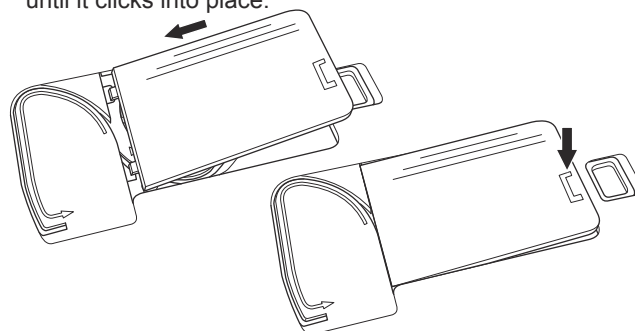
2. Draw thread into notch (a) while holding the bobbin lightly with your finger.



3. Pull thread along the groove, up and around the top, to the left, then down. Pull thread to the right to cut the thread.



4. Replace the bobbin cover. Set the left tabs into the holes in needle plate and push the right side of bobbin cover down until it clicks into place.



NOTE:

This machine can start to sew without drawing up the bobbin thread.

If you want to draw up the bobbin thread, see page 20.

Be sure to use only SINGER Class 15 bobbins (transparent) in this machine.

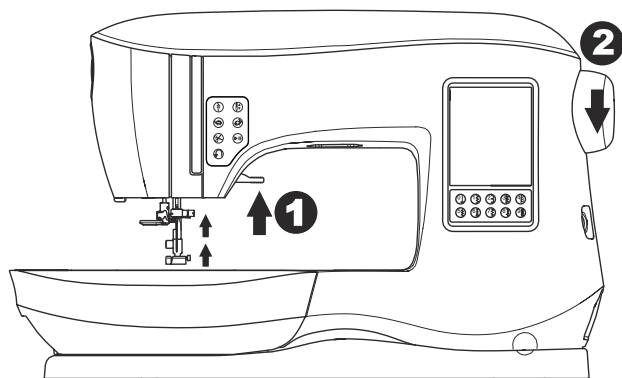
THREADING THE NEEDLE

PREPARING TO THREAD MACHINE

1. RAISE THE PRESSER FOOT LIFTER. It is very important to raise the presser foot lifter before you proceed to thread the machine.
2. Raise the needle in highest position by turning the handwheel toward you.
(Keep this position for threading the eye of the needle.)

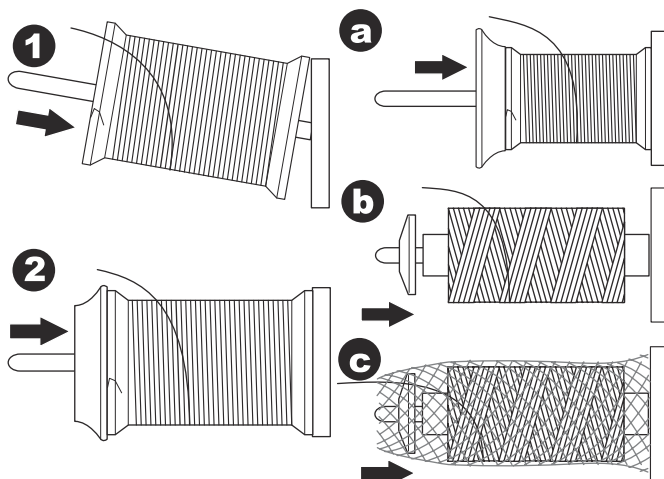
NOTE:

It is very important to raise the presser foot lifter before you thread the machine. Not doing so will likely result in poor stitch quality, or excessive thread loops on the underside of the fabric. Always raise the presser foot lifter before you begin threading the machine.



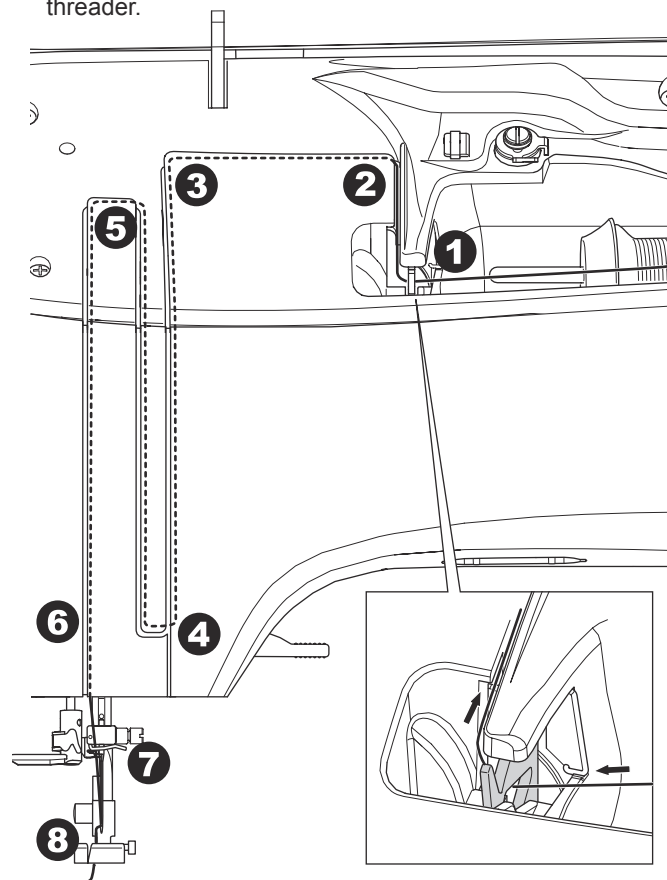
SETTING SPOOL OF THREAD ON SPOOL PIN

1. Pull up the left end of spool pin and set the felt washer and the spool of thread on spool pin so that the thread unrolls from the front of the spool.
2. Set the spool cap on spool pin as far as it will go.
 - a. Reverse spool cap direction according to the size of spool.
 - b. Use the small spool cap when you use cross wound thread. Leave small opening between cap and spool as illustrated.
 - c. Set the thread net over the spool if thread unrolls too easily.



THREADING THE UPPER THREAD

1. Hold thread in both hands and pass thread into the guide from front opening.
2. Bring thread backward and pass through the slit from right to left.
3. Bring thread to the left and pull thread down toward you along the slit.
4. Pull the thread around the U-turn, then bring it back up.
5. To thread the take-up lever, draw thread up and bring thread back down again from right to left along the slit.
6. Pull thread downward along the slit.
7. Draw thread through thread guide from right side opening.
8. Pass through needle eye from front to back.
Refer to next page for instructions on how to use needle threader.



THREADING THE NEEDLE EYE

CAUTION

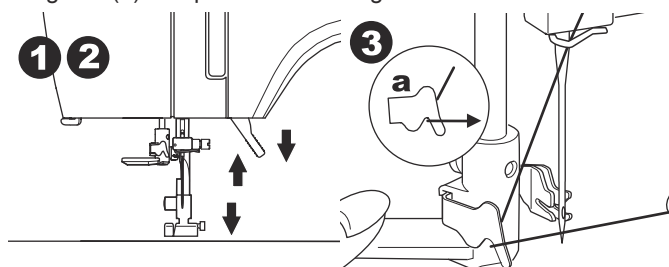
To prevent accidents:

1. Keep fingers away from all moving parts. Special care is required around the needle.
2. Do not lower the threader lever while machine is operating.

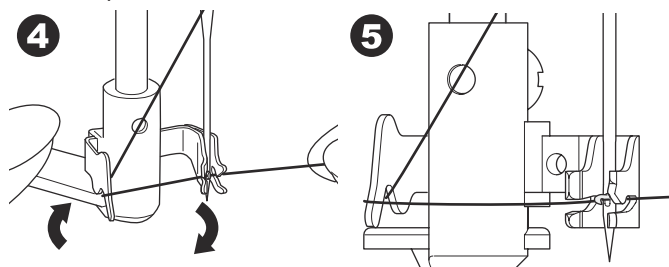
NOTE:

The needle threader is used for needle sizes 11/80, 14/90, and 16/100.

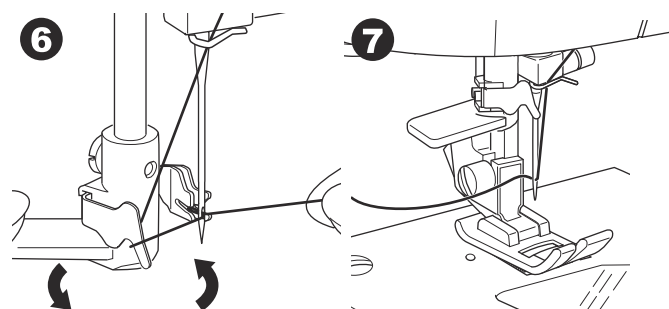
1. Lower the presser foot.
2. Check that the needle is raised to its highest position. If it is not, raise needle by turning the handwheel toward you.
3. Lower the threader slowly and draw thread through thread guide (a) and pull toward the right.



4. Push the lever as far as it will go. The threader will turn and the hook pin will go through the needle eye.
5. Draw the thread into the guide, making sure it is under the hook pin.



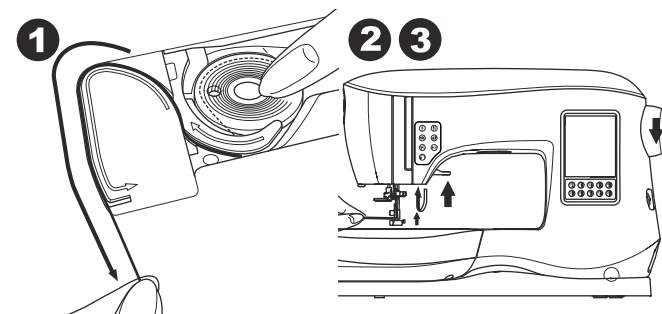
6. Hold thread loosely and swing back the lever. As the threader rotates back, the hook pin will pass through the needle eye, forming a loop of thread.
7. Pull thread out about 10 cm (4 inches) through the needle eye.



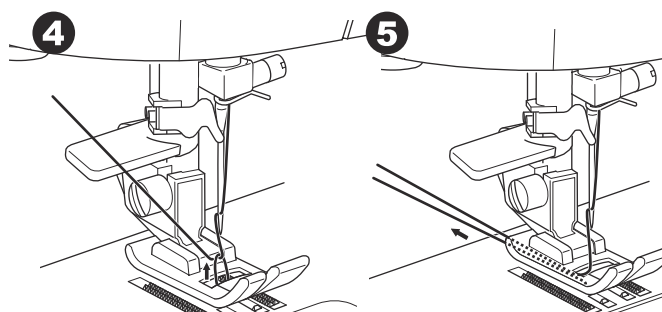
DRAWING UP THE BOBBIN THREAD

This machine can start to sew without drawing up the bobbin thread. If you want to start sewing with longer bobbin thread, draw up the bobbin thread as follows.

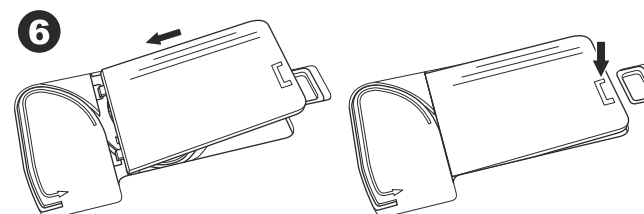
1. Insert the bobbin into the bobbin holder as shown on page 18, but do not cut thread.
2. Raise the presser foot.
3. Hold upper thread loosely and turn hand wheel toward you one complete revolution.



4. Pull upper thread lightly. Bobbin thread will come up in a loop.
5. Pull both upper and bobbin threads about 10 cm (4 inches) toward the back of presser foot.



6. Replace the bobbin cover. (See page 18)



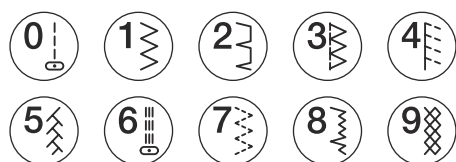
WHERE TO USE EACH STITCH

Direct (0-9)

0. Straight stitch center needle position
 - For top stitching, for basic sewing, zipper sewing, etc.
1. Zigzag stitch
 - For overcasting, applique, etc.
2. Blind Hem
3. Overcasting
4. Overcasting of stretch fabric, decorative stitch
5. Feather stitch
6. Straight stretch stitch
 - Reinforcement straight stitch
7. Multiple stitch zigzag
 - For overcasting knit fabrics, elastic sewing, mending
8. Elastic blind hem
9. Honeycomb stitch

Basic (10-17)

10. Straight stitch left needle position
 - For top stitching, for basic sewing, etc.
11. Button sewing
12. Straight stitch with auto-reverse stitch center needle position
13. Straight stitch with auto-reverse stitch left needle position
14. Basting



15. Double zigzag stitch
16. Bar-tack
17. Darning

Buttonhole (18-31)

18. Bar-tack Buttonhole (Wide)
19. Bar-tack Buttonhole (Narrow)
20. Keyhole Buttonhole
21. Keyhole Buttonhole with cross bar
22. Tapered Keyhole Buttonhole
23. Round Ended Buttonhole (Narrow)
24. Round Ended Buttonhole (Wide)
25. Round Ended Buttonhole with cross bar
26. Round Ended Buttonhole (both ends rounded)
27. Decorative Buttonhole
28. Stretch Buttonhole
29. Heirloom Buttonhole
30. Bound Buttonhole
31. Eyelet

Stretch (32-38)

32. Stem stitch for stretch fabrics
- 33.-38. Overcasting of stretch fabric, decorative stitch

Decorative (39-156)

40. Ric Rac stitch
41. Double Ric Rac stitch
44. Thorn stitch

Satin (157-174)

Elongation (175-197)

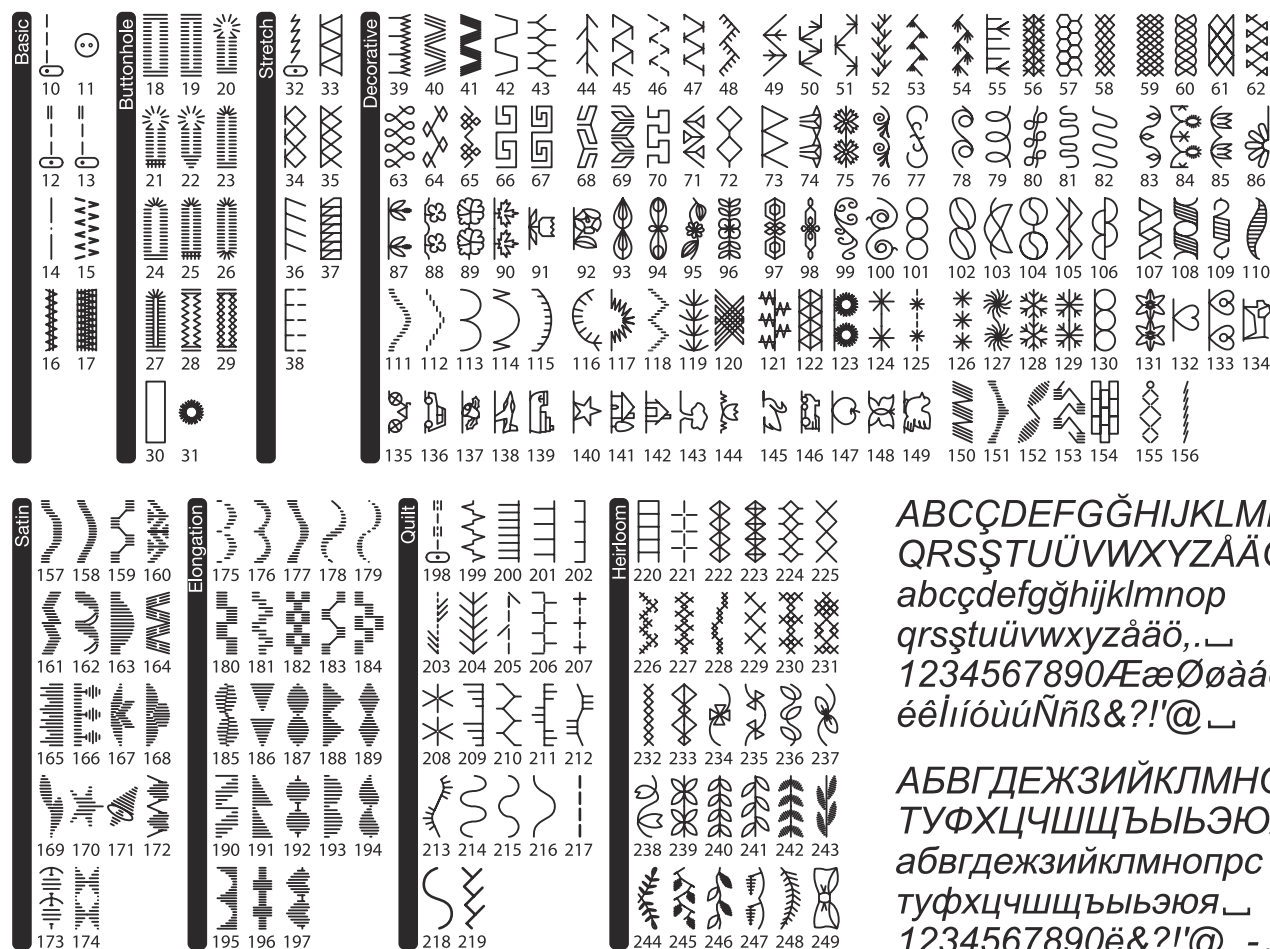
Quilt (198-219)

198. Hand-look quilting stitch

Heirloom (220-249)

Letter Stitch

Sequence sewing (See page 38)



ABCÇDEFGĜHIJKLMNPO
QRSŞTUÜVWXYZÅÄÖ,._
abcçdefgĝhijklmnop
qrsştuüvwxyzåäö,._
1234567890ÆæØøÁáÈè
éêííóùúÑñ&?!'@_

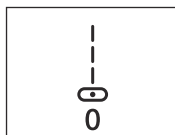
АБВГДЕЖЗИЙКЛМНОПРС
ТУФХЦЧШЩЪЫЬЭЮЯ_
абвгдежзийклмнопрс
туфхцчшщъыьэюя_
1234567890ë&?!'@,.-_

STARTING TO SEW

Select the straight stitch center needle position. (No. 0)

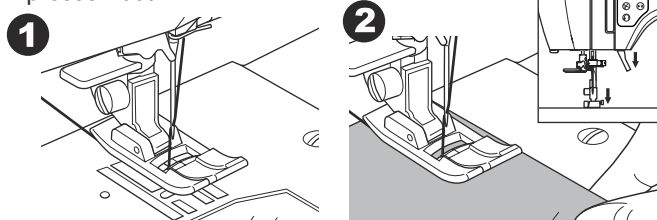
⚠ CAUTION

To prevent accidents:
While sewing, special care is required around the needle. Machine automatically feeds the fabric, do not pull or push the fabric.

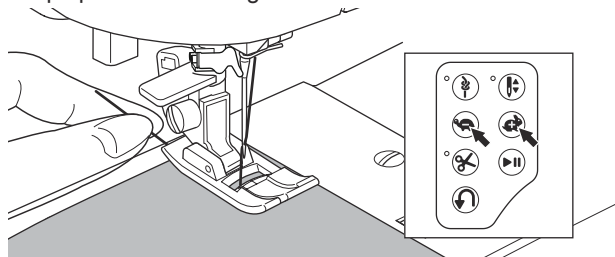


START AND END OF SEAM

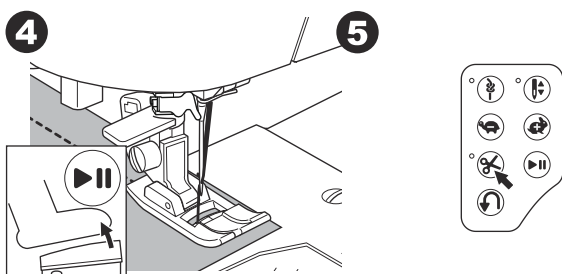
1. Check the presser foot (All-Purpose Foot). Refer to page 8 for changing the presser foot.
2. Place the fabric under the presser foot and lower the presser foot.



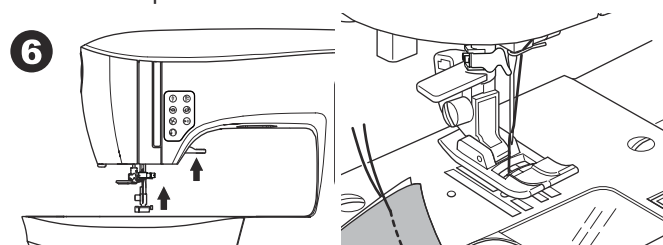
3. Hold back upper thread and press the Start/Stop button or press the foot controller pedal. Keep holding thread after sewing a few stitches. Lightly guide the fabric while sewing. You can regulate the sewing speed by pressing the Speed Control buttons or the foot control. The buttons are used to set the speed when using start/stop button and also sets the top speed when using foot control.



4. When you reach end of seam, press the Start/Stop button to stop sewing or release the foot controller pedal.
5. Press the Thread Cutter button.



6. Raise the presser foot lifter and remove the fabric.



Upper Thread Sensor

If upper thread is breaking, machine will stop automatically. Rethread the upper thread and resume sewing.

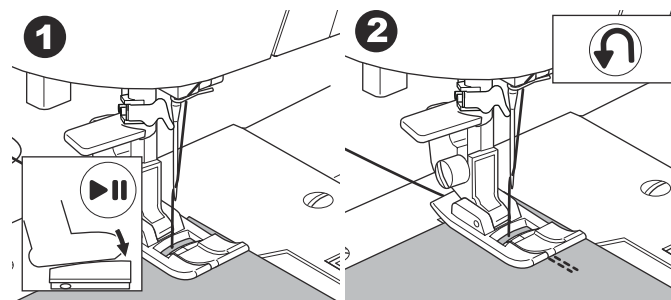
⚠ CAUTION

1. Do not press the Thread Cutter button when there is no fabric under the presser foot or no need to cut the threads. The thread may tangle, resulting in damage.
2. Do not use the Thread Cutter button when cutting thread thicker than #30, nylon thread or other specialty threads. In this case, use the thread cutter located on the left side of the machine. (See page 12)
3. Do not use the Thread Cutter button when sewing with a twin needle or a hemstitching (wing) needle.

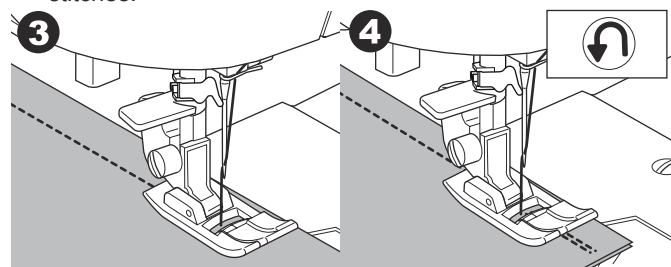
REVERSE STITCHING

Reverse stitching is used for reinforcing the ends of the seams.

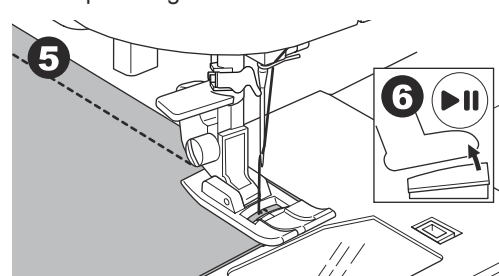
1. Start sewing 4-5 stitches.
2. Press and hold the Reverse button to sew reverse stitch until start point.



3. Release the Reverse button and sew forward until reach the end of seam.
4. Press and hold Reverse button and sew 4-5 reverse stitches.



5. Release Reverse button and sew until end of seam.
6. Stop sewing.



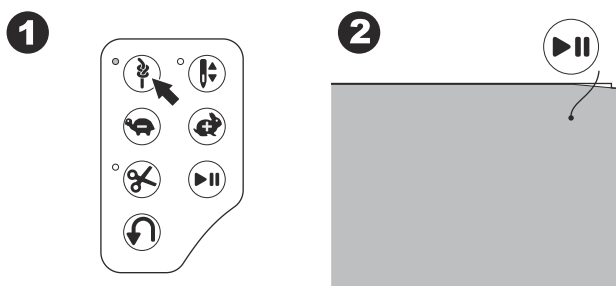
NOTE:

Stitch patterns No. 12 and No. 13 have a built-in reverse stitch. See page 24 for information on how to sew these stitches.

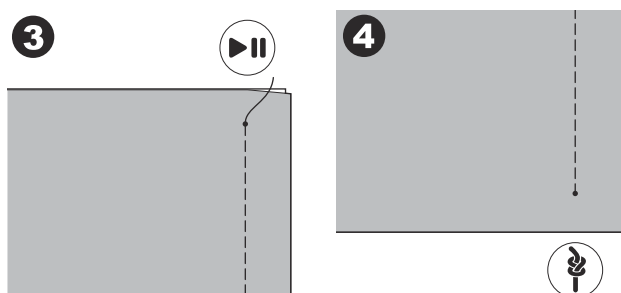
TACK STITCH

You may sew tack stitches at the beginning and end of the stitch.

1. Press the Tack button. LED light will be turned on.
2. Start to sew.
Machine will sew tacking stitches and stop automatically.

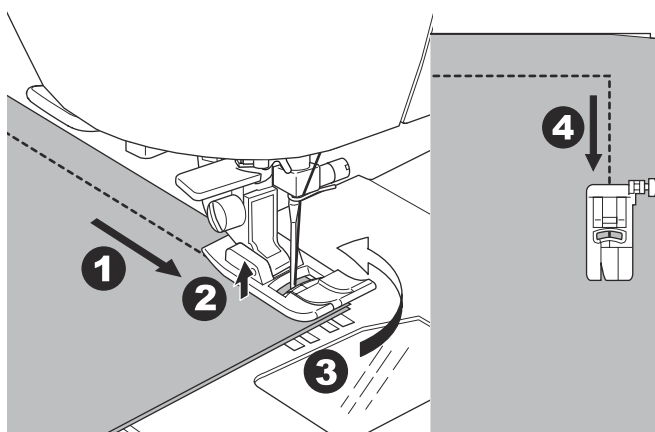


3. Start sewing again and sew the selected pattern.
4. When you reach the end of seam, press the Tack button.
Machine will sew tacking stitches and stop automatically.



TURNING CORNERS

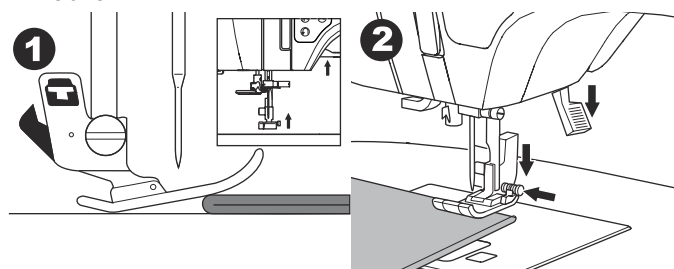
1. Stop the machine when you reach a corner.
2. Turn the hand wheel toward you to insert the needle into fabric.
NOTE:
You can change the needle stop position by pressing the Needle Up/Down button. When needle position is set to down, the LED will turn on.
You can also tap the foot control to raise or lower the needle.
3. Raise the presser foot.
4. Use the needle as a pivot and turn fabric.
5. Lower the presser foot and resume sewing.



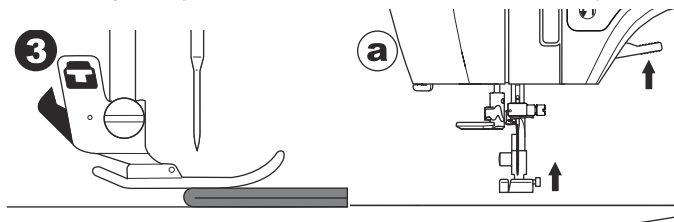
SEWING HEAVY FABRIC

When sewing heavy or thick fabrics, the toe end of the presser foot tends to lift up when it comes to seams or other bulky areas. To sew these heavy or thick fabrics:

1. When the toe of the presser foot begins to tilt up, lower the needle into the fabric and then raise the presser foot lifter.
2. Push the Stabilizer Pin (located on the right side of the All-Purpose Foot) and at the same time lower the presser foot lifter. The presser foot should now be level on the thick fabric.

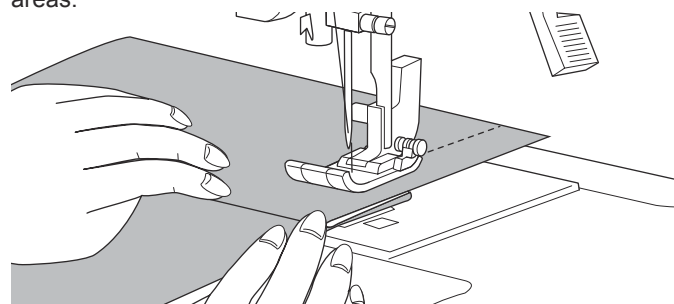


3. Start sewing. After a few stitches, the Stabilizer Pin will release.
a. The presser bar lifter can be raised one step higher for placing heavy materials under the presser foot easily.



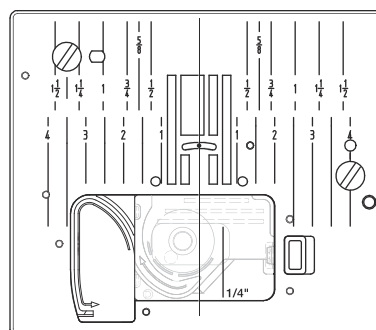
SEWING OVER OVERLAPPED AREAS

Guide the fabric with your hand when sewing over overlapped areas.



WIDTH OF SEAM ALLOWANCE

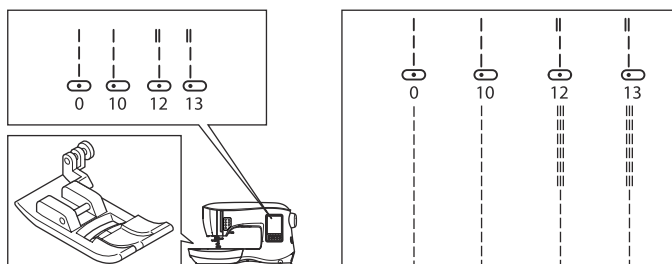
Guide lines on the needle plate indicate the distance from the center needle position. To keep a consistent seam allowance, guide the fabric along the desired guide line on the needle plate.



STRAIGHT STITCH SEWING

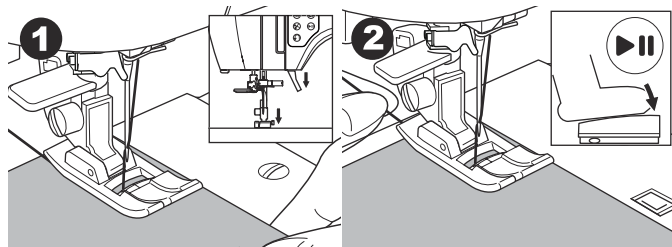
Straight stitch patterns should be selected to suit the type of fabric being sewn. Left needle position (No.10, 13) is most suited for sewing light weight fabrics.

- No. 0. Center needle position
- No. 10. Left needle position
- No. 12. Center needle with built-in reverse stitch
- No. 13. Left needle with built-in reverse stitch

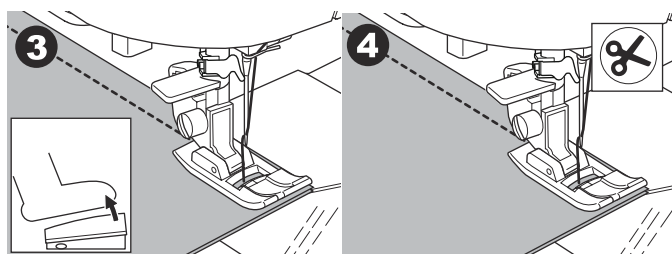


STRAIGHT STITCH

1. Position the fabric under the presser foot and lower it.
2. Hold the upper thread loosely and start sewing.
Place hand lightly on the fabric while sewing.

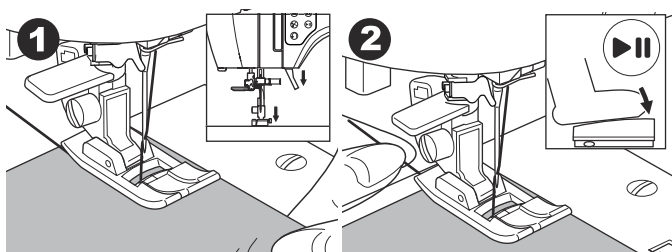


3. When you reach the end of seam, stop sewing.
4. Press the Thread Cutter button.

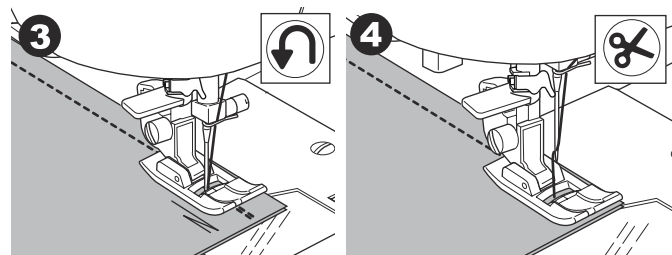


STRAIGHT STITCH WITH AUTO-LOCK STITCH (PATTERN No. 12, 13)

1. Position the fabric under the presser foot and lower it.
2. Hold the upper thread loosely and start sewing.
Machine will sew 4-5 stitches forward and sew 4-5 stitches backward and continue sewing forward.



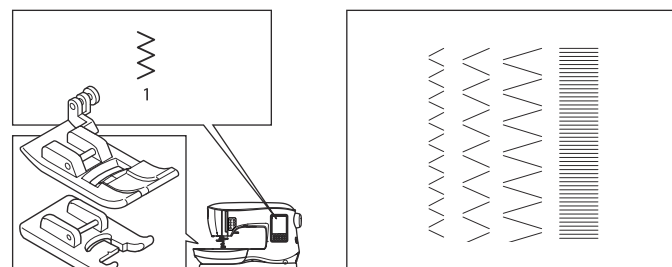
3. When you reach the end of seam, press the Reverse button.
Machine will sew a few stitches backward and sew a few stitches forward and stop automatically.
4. Press and release the Thread Cutter button.



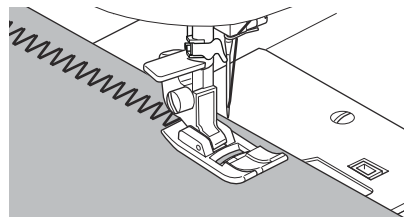
ZIGZAG STITCH SEWING

Your machine can sew zigzag stitches of various widths and lengths by changing the settings of the stitch width and stitch length.

- No. 1 Zigzag Stitch
- All-Purpose Foot or Satin Foot (A, B)



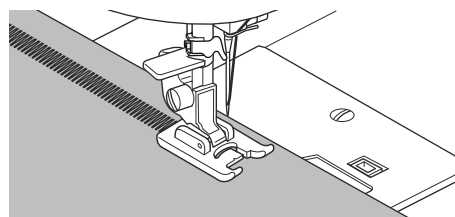
Zigzag stitches are often used for applique and decorative sewing.



SATIN STITCHING

To sew a satin stitch, shorten the stitch length and attach the Satin Foot. (B)

Refer to next page for using the zig-zag to overcast.



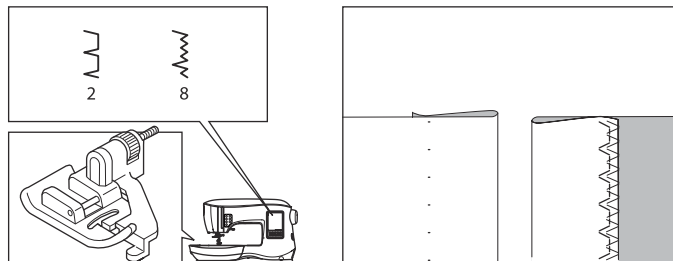
BLIND HEM STITCHING

The hem is sewn without stitches showing on right side of fabric.

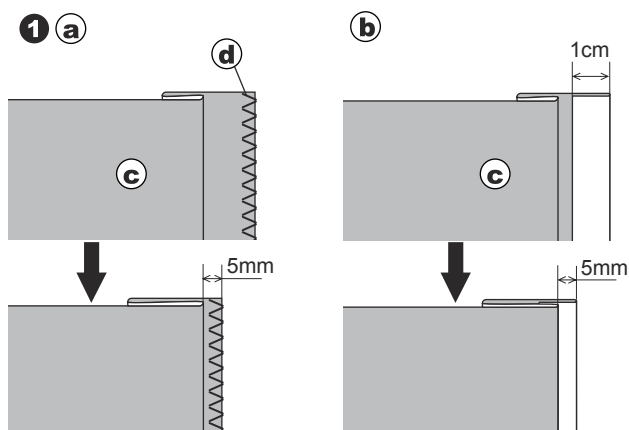
No. 2 Blind hemming for non-stretch fabric

No. 8 Blind hem for stretch fabric

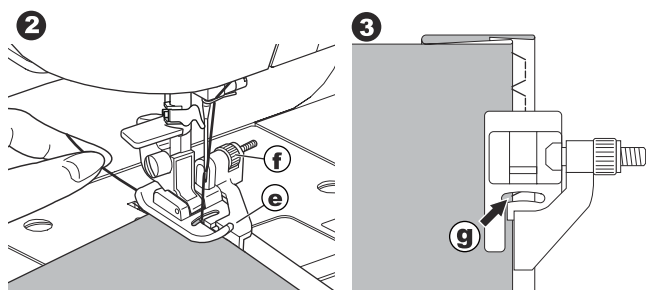
Blind Hem Foot (D)



1. Fold the fabric as shown in the illustration.
 - a. Medium, Heavy weight fabric
 - b. Light weight fabric
 - c. Wrong side of fabric
 - d. Overcasting



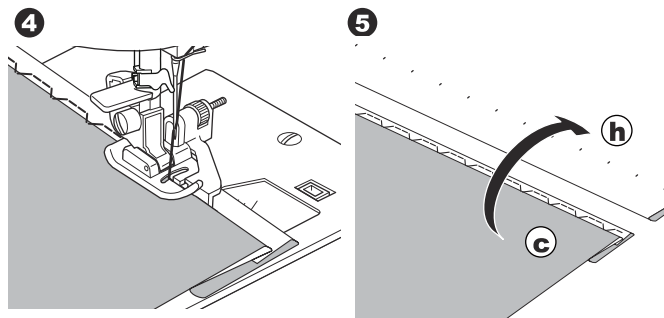
2. The guide (e) on the Blind Hem Foot helps ensure that the fabric fold is guided evenly when blind hem stitching. The guide (e) is adjusted by turning the adjusting screw (f).
3. Place fabric so that the straight stitches (or small zigzag stitches) are on the protruding hem edge and the large zigzag stitches just catch one thread of the folded edge (g). If necessary, turn the screw (f) to adjust the foot so that the needle slightly touches the folded edge of the fabric.



4. Lower the presser foot and sew hem, guiding fabric evenly along the guide.
5. Turn the fabric over when you have completed sewing.
 - c. Wrong side of fabric
 - h. Right side of fabric

NOTE:

Test on a scrap piece of fabric similar to your project so you can determine the best placement of the foot's guide.



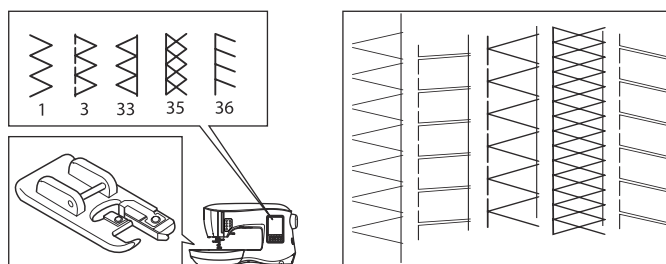
OVERCASTING-OVERLOCKING

USING THE OVERCASTING FOOT

No. 1 (Stitch Width 5.0)

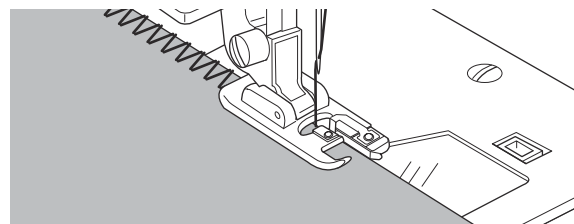
No. 3, 33, 35, 36 (Stitch Width 5.0 - 7.0)

Overcasting Foot (C)

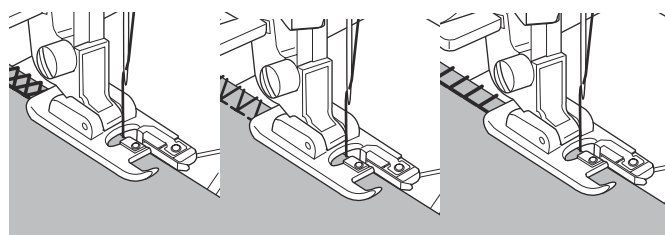


Line up the fabric against the guide plate of the overcasting foot so that the needle falls near the edge of the fabric.

No. 1 (Width=5.0) is used to help prevent raveling of fabrics.



No. 3, 33, 35, 36 are designed to sew the seam and seam finish at the same time.

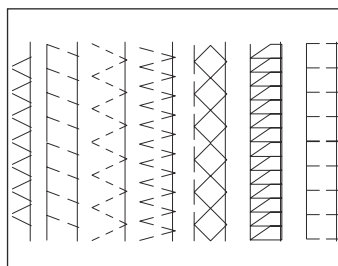
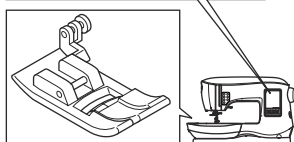
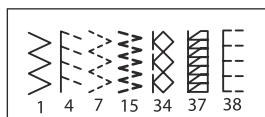


⚠ CAUTION

To prevent accidents, the Overcasting Foot should be used for sewing patterns 1, 3, 33, 35, 36 only. Do not change the stitch settings. It is possible that the needle could hit the presser foot and break when sewing other patterns and settings.

USING THE ALL-PURPOSE FOOT

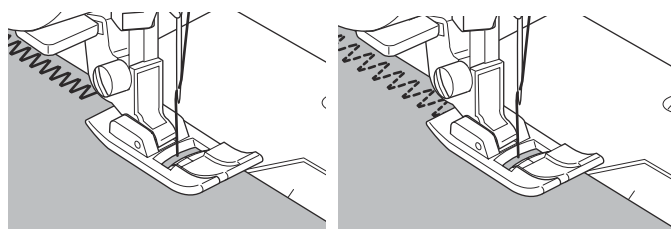
No. 1, 4, 7, 15, 34, 37, 38
All-Purpose Foot (A)



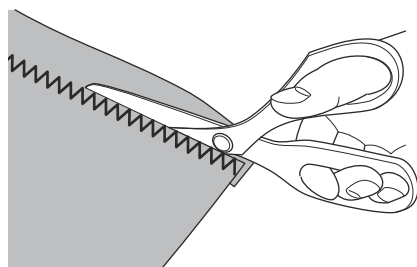
Place fabric so that the needle falls near the edge of the fabric when using the All-Purpose Foot.

No. 1 For narrower zigzag width (Width=2.0-4.5).

No. 4, 7, 15, 34, 37, 38 when sewing easy to ravel or stretch fabrics.

**NOTE:**

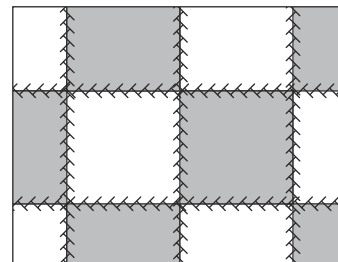
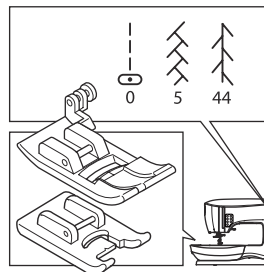
- g. If desired, trim the excess fabric after stitching is complete. Be careful not to cut the threads while trimming.

**CRAZY PATCH**

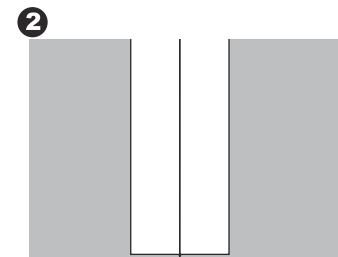
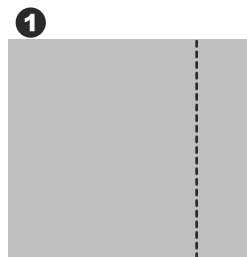
Create interesting surface embellishment by sewing decorative stitches over the seams. Try mixing several types of fabrics for even more variety.

No. 0

All-Purpose or Satin Foot (A, B)

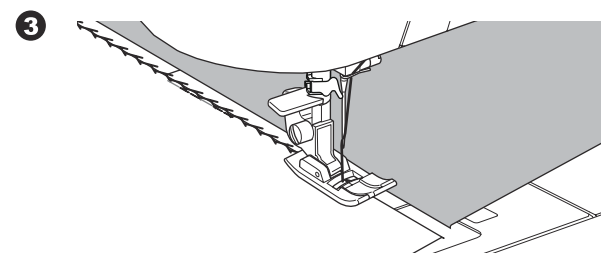


1. Place two pieces of fabric right sides together and sew a long straight stitch.
2. Press the seam open.



No. 5, 44

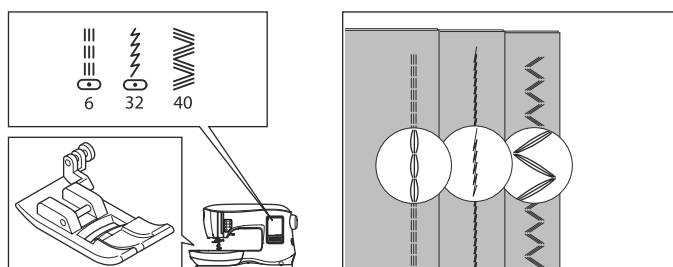
3. With the right side of the fabric facing up, sew the decorative stitch, making sure the stitches fall on both sides of the seam.



STRETCH STITCH SEWING

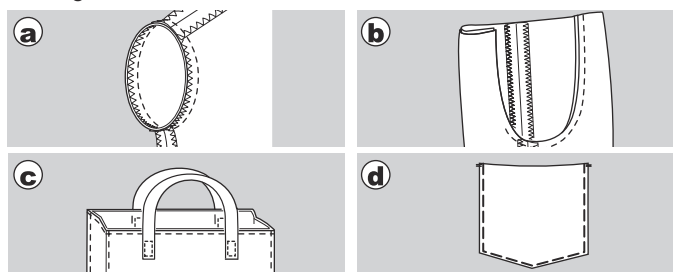
Stretch stitches are strong and flexible and will give with the fabric without breaking. Good for knit fabrics as well as durable fabrics like denim or twill.

No. 6 Straight Stretch Stitch
No. 32 Stem Stitch for Stretch fabrics
No. 40 Ric-rac Stitch
All-Purpose Foot (A)



We recommend that you use a needle for knit and synthetic fabrics to prevent skipping stitches and thread breakages. See page 9 for needle recommendations.

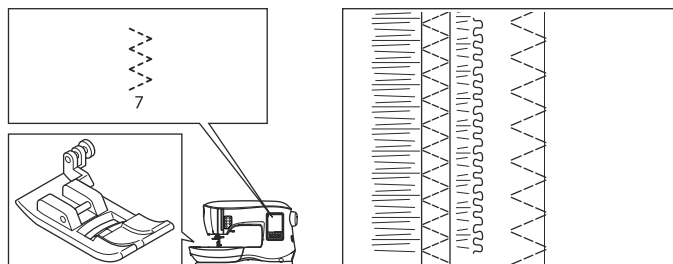
- a. Jacket
c. Bag
b. Trousers
d. Pocket



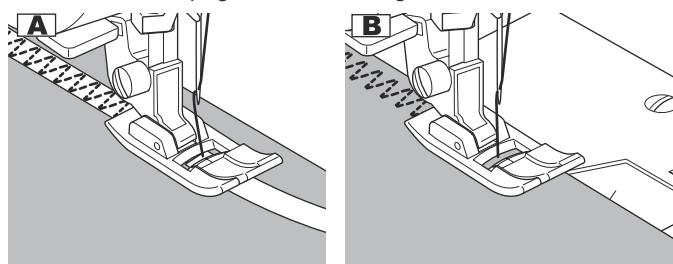
MULTI-STITCH ZIGZAG

Used for sewing on elastic and overcast stitching.

No. 7 Multi-Stitch Zigzag
All-Purpose Foot (A)



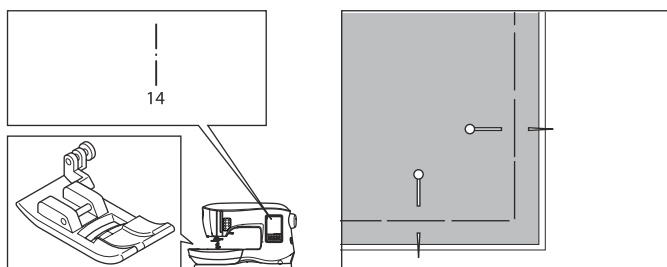
- A. Elastic Sewing
Pull elastic in front and back of needle while sewing.
B. Overcast Stitching
Used for easy to ravel and knit fabrics.
Needle should fall on extreme edge of fabric.
Refer to next page for overcasting.



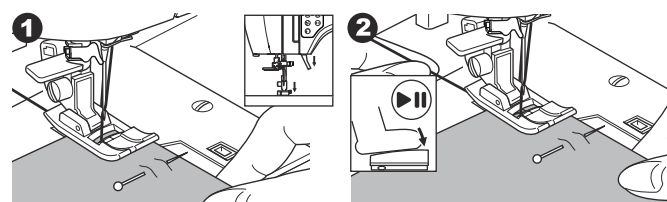
BASTING

Basting is temporary stitching, used for fitting garments, and for gathering and marking fabric.

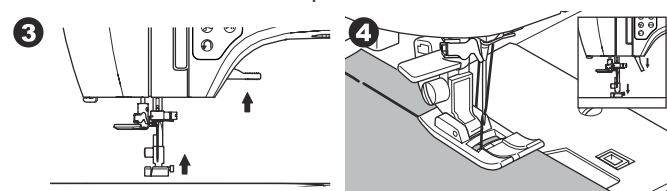
No. 14 Basting Stitch
All-Purpose Foot (A)



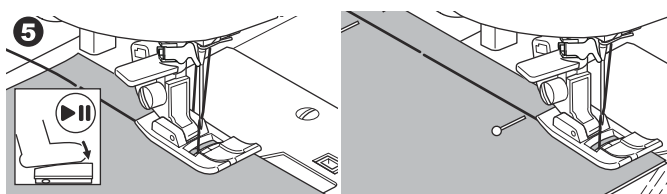
1. Place the fabric under the presser foot and then lower the presser foot lifter.
2. Hold the upper thread loosely and start to sew. Machine will make two stitches only.



3. Raise the presser foot lifter.
4. Holding the upper thread, pull the required amount of fabric to the rear and lower the presser foot lifter.



5. Start to sew. Machine will sew two stitches.
6. Repeat them as many times as you need to finish the row of stitching.



NOTE:

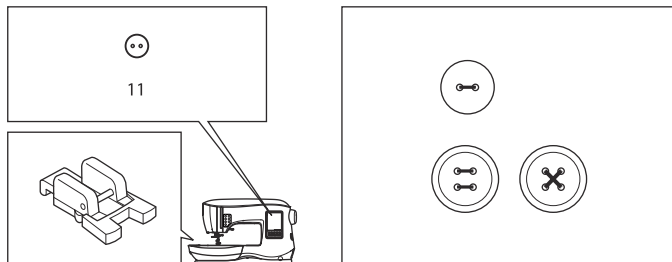
To prevent the fabric layers from shifting, insert dress pins crosswise to the basting direction. Pull the bobbin thread to remove the stitching.

CAUTION

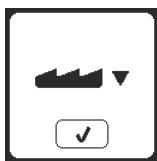
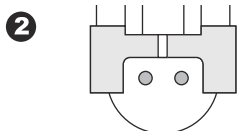
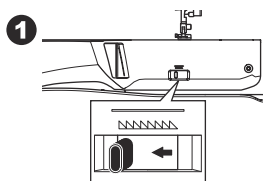
To prevent accidents, be sure the needle does not hit pins while sewing.

SEWING ON BUTTONS

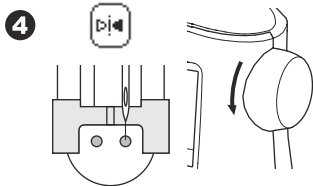
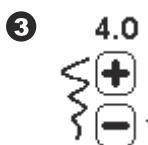
No. 11
Button Sewing Foot



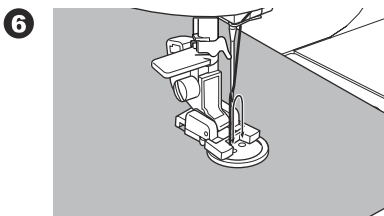
1. Lower the feed dogs by moving the Drop Feed Lever to the left. (A pop up message appears when selecting stitch no. 11, press the "✓" mark.)
2. Attach the Button Sewing Foot. Align two holes of the button with slot of presser foot and lower foot to hold the button securely.



3. Adjust the stitch width so that the needle enters the left hole of button.
4. Check the swing of the needle by pressing the Width Mirror Button to be sure the needle will not hit the button. Bring the needle down into the holes of the button with the handwheel to verify.



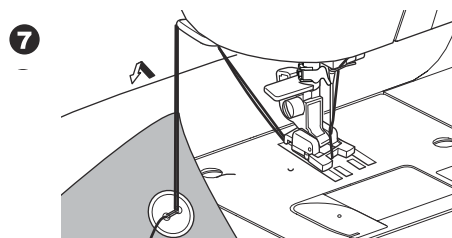
5. Set the number of stitches to sew on the button by pressing the + and - buttons. Eight stitches is standard.
6. Start to sew at slow speed. The machine will sew the number of stitches set on the display and then tie off and stop.



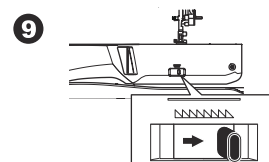
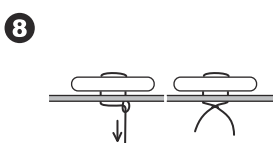
CAUTION

To prevent accidents:
Make sure that the needle does not hit the button during sewing, otherwise needle may break.

7. Raise the foot and cut the threads remaining about 10 cm (4") long.



8. Pull the thread ends to the wrong side of the fabric with a hand sewing needle. Tie the threads together to secure.
9. After sewing, move the Drop Feed Lever to the right.

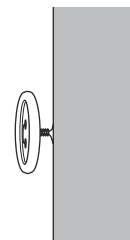
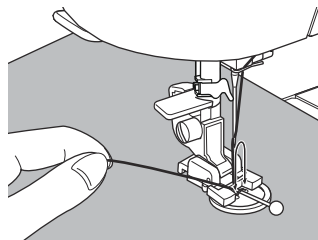


NOTE:

To sew a 4-hole button, follow the procedure above for the first two holes. Then lift presser foot slightly and move fabric to permit stitching the other two holes, either parallel or criss-cross.

THREAD SHANK

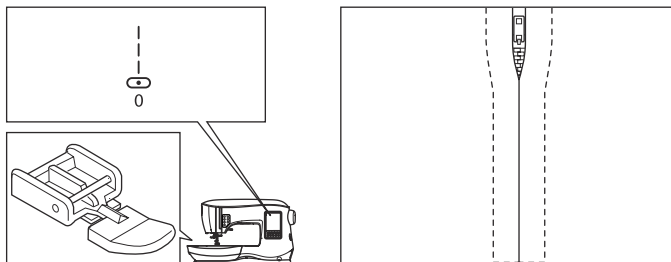
Buttons on coats and jackets often have a thread shank to make them stand away from the fabric. Insert a straight pin or sewing machine needle under the center slit of the foot from the front. Sew over the pin or needle. To create a thread shank, pull thread to the back side of the button and wind the thread around the stitches. Tie the thread ends securely.



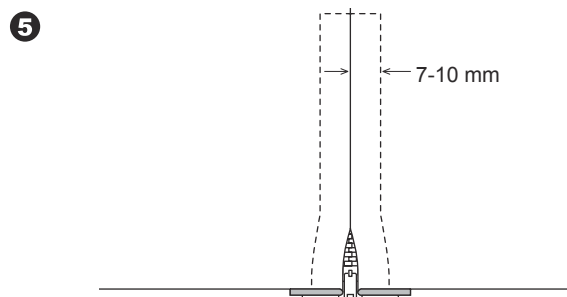
INSERTING ZIPPERS

CENTERED INSERTION

No. 0 Straight Stitch (Center Needle Position)
Zipper Foot (E)



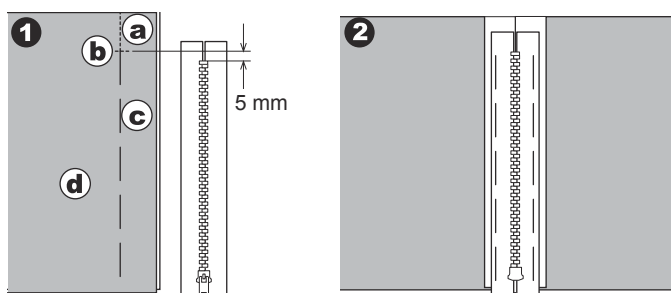
5. Stitch across the lower end and right side of zipper. Remove the basting and press.



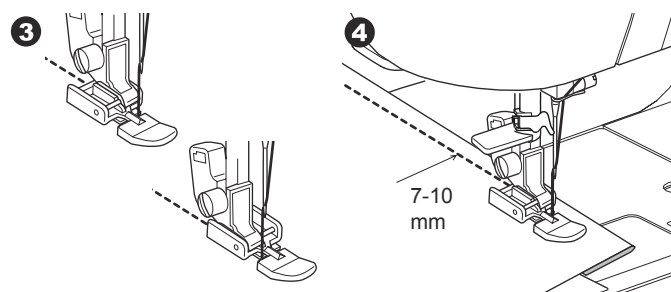
CAUTION

To prevent accidents, do not change the needle position. Changing needle position could cause the needle hit the presser foot, which could break the needle or damage the machine.

1. Baste the zipper opening to the seam line.
a: Straight stitch
b: End of opening
c: Basting
d: Wrong side of fabric
2. Press open the seam allowance.
Place the open zipper face down on the seam allowance with the teeth against the seam line.
Baste the zipper tape.

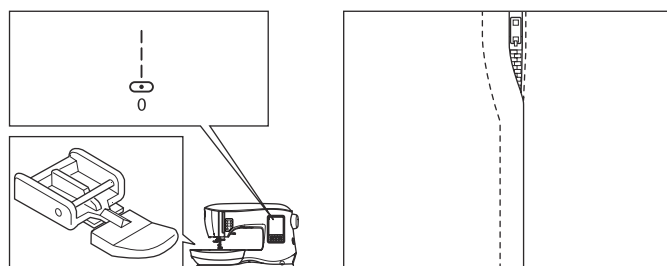


3. Attach the Zipper Foot.
Attach the left side of the presser foot pin to the presser foot holder when sewing the right side of the zipper, and right side of the presser foot pin to the holder when sewing the left side of the zipper.
4. Sewing on the right side of the fabric, stitch the left side of the zipper from bottom to top.



LAPPED INSERTION

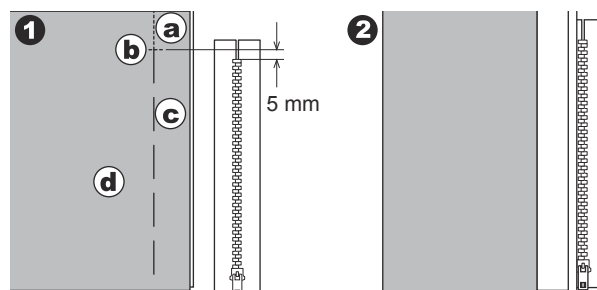
No. 0 Straight Stitch (Center Needle Position)
Zipper Foot (E)



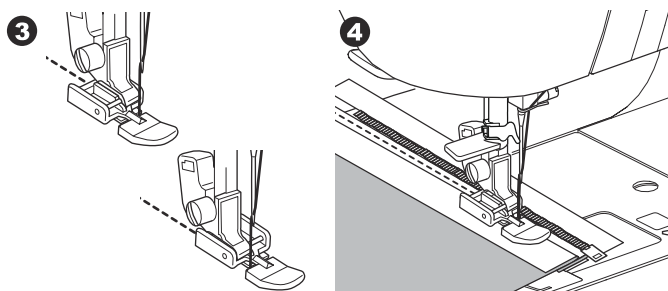
CAUTION

To prevent accidents, do not change the needle position. Changing needle position could cause the needle hit the presser foot, which could break the needle or damage the machine.

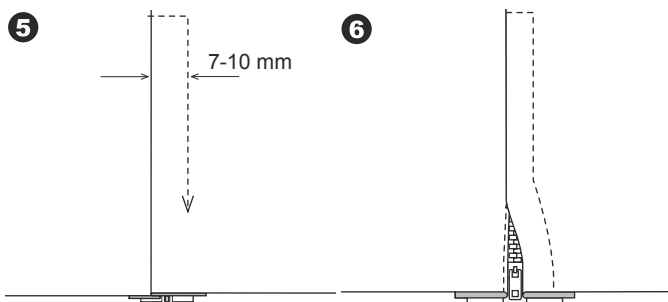
1. Baste the zipper opening to the seam line.
a: Straight stitch
b: End of opening
c: Basting
d: Wrong side of fabric
2. Fold back to the left seam allowance.
Turn under the right seam allowance to form 3 mm (1/8") fold.



3. Attach the Zipper Foot.
Attach the left side of the presser foot pin to the presser foot holder when sewing the right side of the zipper, and right side of the presser foot pin to the holder when sewing the left side of the zipper.
4. Stitch the left side of zipper from bottom to top.



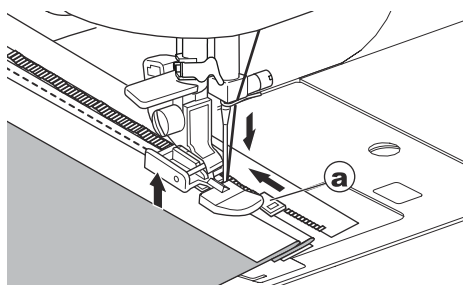
5. Turn the fabric right side out stitch across the lower end and right side of zipper.
6. Stop stitching with the needle down in the fabric when the Zipper Foot reaches the zipper tab, about 5 cm (2") from the top of the zipper.



TO STITCH AROUND THE ZIPPER TAB:

1. Stop stitching before you reach the zipper tab.
2. Lower the needle into fabric.
3. Raise the presser foot and slide the zipper tab backwards to clear the Zipper Foot.
4. Lower the presser foot and continue stitching.
5. Remove the basting stitches.

a. Zipper tab



QUILTING

A quilt consists of three layers:

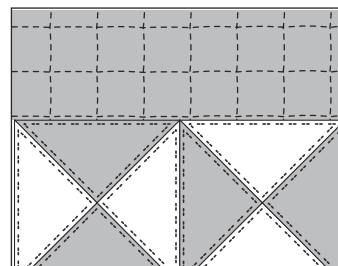
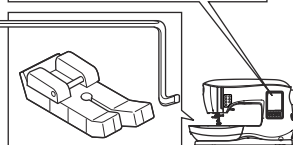
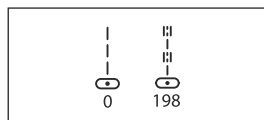
The topper, batting, and backing fabric. The top layer is formed by shaped pieces of fabrics joined together, creating the quilt topper.

No. 0 Straight Stitch (Center Needle Position)

No. 198 Hand Look Quilting Stitch

Straight Stitch / Patchwork Quilting Foot

Quilting Bar

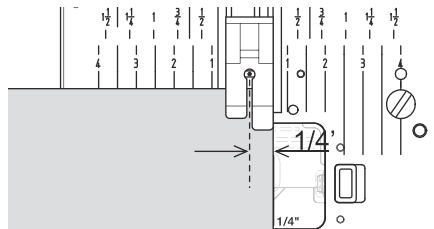


CAUTION

To prevent accidents, do not change the needle position. Changing needle position could cause the needle hit the presser foot, which could break the needle or damage the machine.

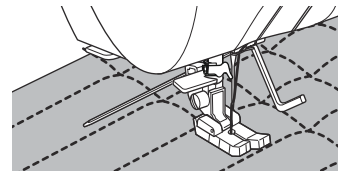
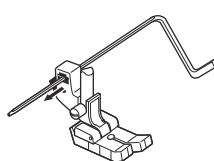
JOINING THE PIECES OF FABRIC

Join the pieces of fabric using Pattern No. 0 with a seam allowance of 1/4 inch (6.3 mm)



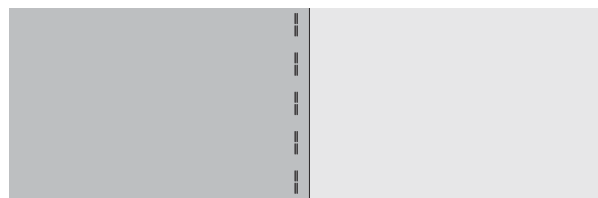
QUILTING

Sew three layers of material (topper, batting, backing). Use quilting bar to sew successive rows. Insert quilting bar into the hole of presser foot holder and set the spacing as desired.



HAND LOOK QUILTING STITCH (No. 198)

Use invisible nylon sewing thread or very lightweight thread that matches the fabric on top. Place thread that contrasts to the color of the fabric on the bobbin. Set the upper tension to maximum or near maximum. When you sew, bobbin thread will pull to the top and give the appearance of a traditional hand quilting stitch. Adjust the thread tension and stitch length as desired for the look you want to achieve for your project.

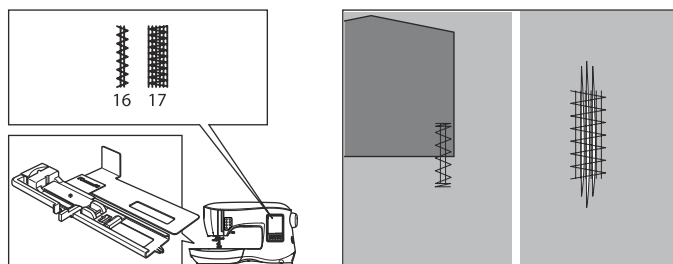


AUTOMATIC BAR-TACK AND DARNING

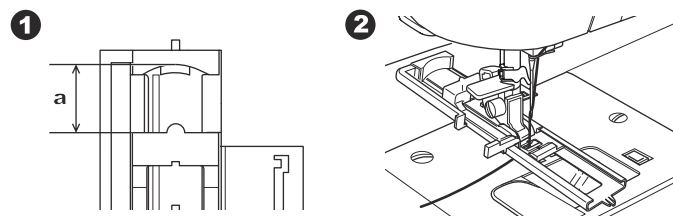
You can sew automatic bar-tack and darning using the Buttonhole Foot.

No. 16 Bar-tack, to reinforce areas that will be subject to strain, such as pocket corners.

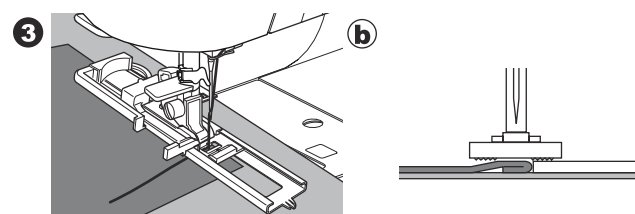
No. 17 Darning, mending and other applications.
Buttonhole Foot



1. Adjust slide on base of Buttonhole Foot according to the length of the bar-tack or darning to be sewn.
a= Length of bar-tack or darning
2. Pass upper thread through the hole of Buttonhole Foot and bring upper thread to the left.



3. Position fabric under presser foot so that the starting point is on the thick area.
Lower the foot.
- b. When sewing the bar-tack on the edge of thick fabric, such as a pocket, place a cardboard or fabric piece of the same thickness beside the fabric to help keep the foot level as you sew.

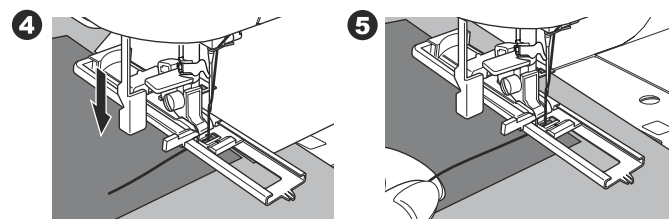


4. Lower the Buttonhole Lever completely.

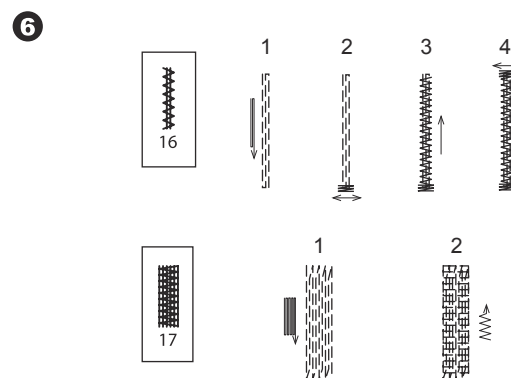
NOTE:

Machine will not start to sew if Buttonhole Lever is not lowered properly or buttonhole foot is not positioned correctly.

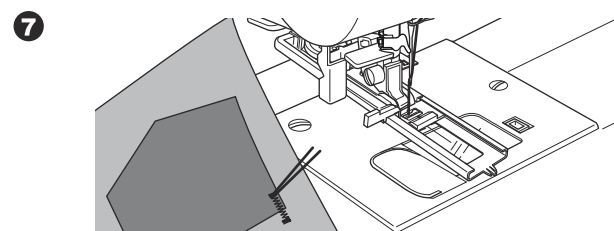
5. Hold upper thread lightly and start the machine.



6. Machine will sew bar-tack or darning stitch, as shown.
Machine will stop automatically when the pattern is finished.



7. Press the Thread Cutter button and raise the presser foot lifter to remove the fabric.



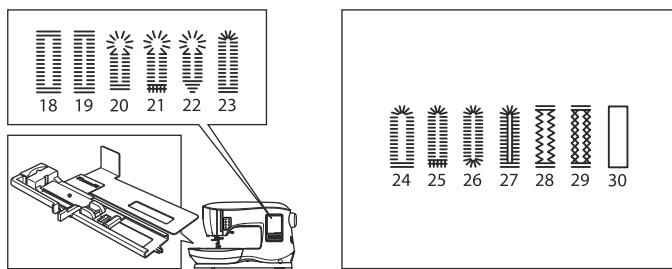
BUTTONHOLE SEWING

Select the buttonhole style you want to sew.
This machine can sew 13 types of buttonholes.

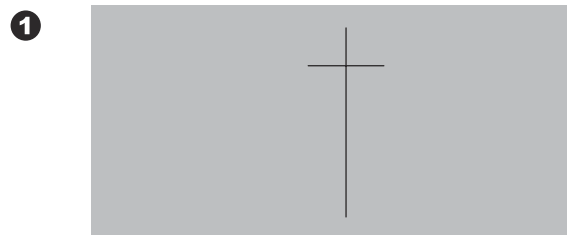
18. Bar-tack Buttonhole (Wide)
19. Bar-tack Buttonhole (Narrow)
20. Keyhole Buttonhole
21. Keyhole Buttonhole with cross bar
22. Tapered Keyhole Buttonhole
23. Round Ended Buttonhole (Narrow)
24. Round Ended Buttonhole (Wide)
25. Round Ended Buttonhole with cross bar
26. Round End Buttonhole (both ends rounded)
27. Decorative Buttonhole
28. Stretch Buttonhole
29. Heirloom Buttonhole
30. Bound Buttonhole

NOTE:

Density of the sides of the buttonhole may be adjusted with stitch length control.



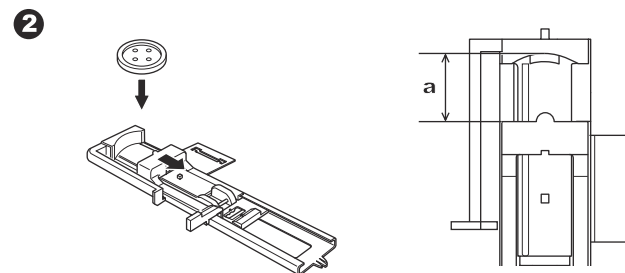
1. Mark position and length of buttonhole on fabric.



2. Set button on the base.

If the button does not fit securely on the base, adjust the slide on the base to the diameter of the button, plus the thickness of the button.

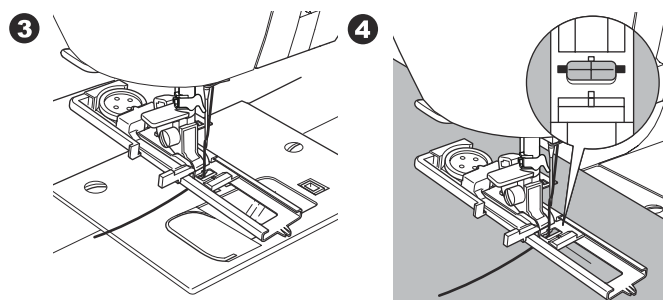
$a = \text{Length of button} + \text{thickness}$



3. Pass upper thread through the hole of Buttonhole Foot and bring upper thread to the left.
4. Position fabric under presser foot so that the center line mark is in the center of the Buttonhole Foot.
Lower the foot while pulling the frame of the Buttonhole Foot towards you.

NOTE:

When sewing stretch fabrics, it is suggested that you use interfacing on the backside of the fabric.

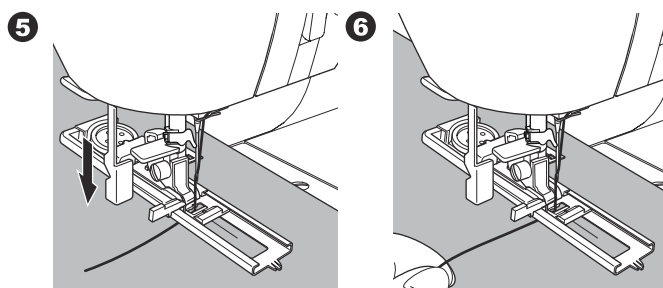


5. Lower the Buttonhole Lever completely.

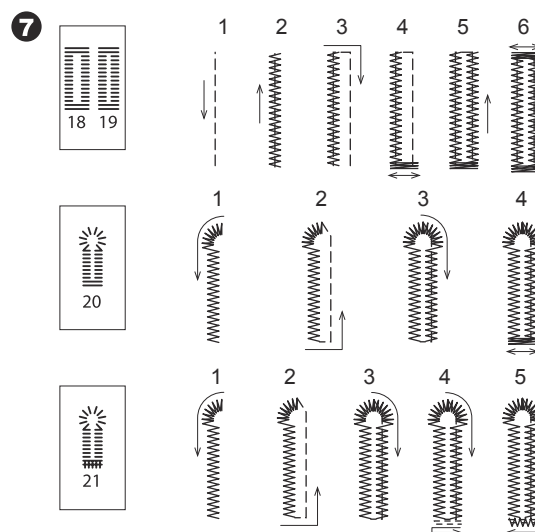
NOTE:

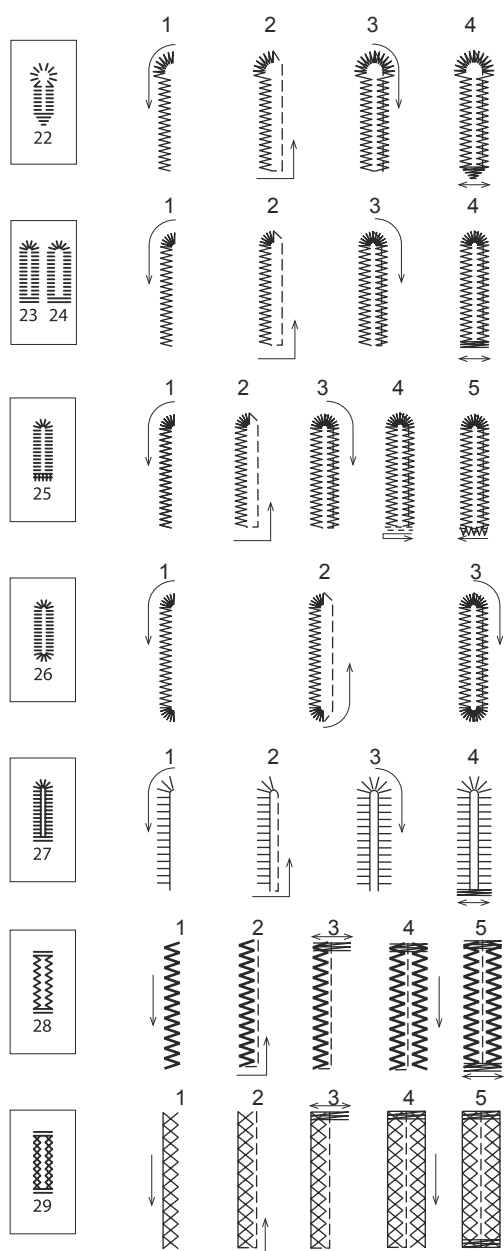
Machine will not start to sew if Buttonhole Lever is not lowered properly or frame of Buttonhole Foot is not positioned all the way forward.

6. Hold upper thread lightly and start the machine.



7. Machine will sew the buttonhole in the order as shown and stop automatically after sewing.

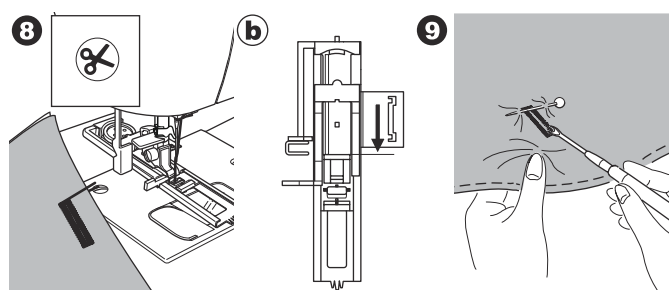




8. Press the Thread Cutter button and raise the presser foot to remove the fabric.
To sew over same buttonhole, raise presser foot to return to original position.
9. Use a seam ripper to cut open the center of the buttonhole, being careful not to cut into the ends of the buttonhole. It is helpful to place a pin at the end of the buttonhole to serve as a stopper while cutting.

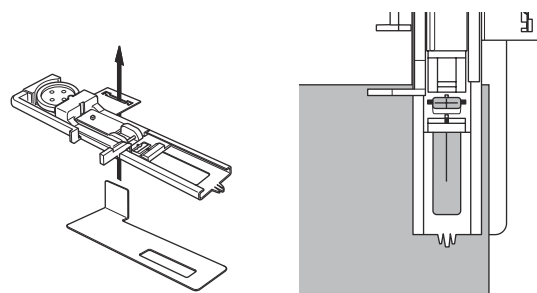
CAUTION

To prevent accidents:
When using seam ripper, do not put your finger in the path of ripper.



NOTE:

For sewing buttonholes on hard-to-sew fabrics or along the edge of multi-layered garments, install the Underplate. Place the fabric between the Underplate and Buttonhole Foot.

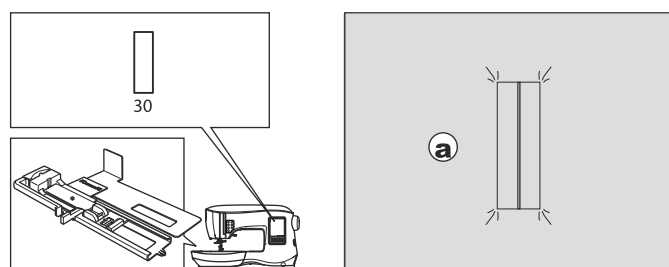


SEWING

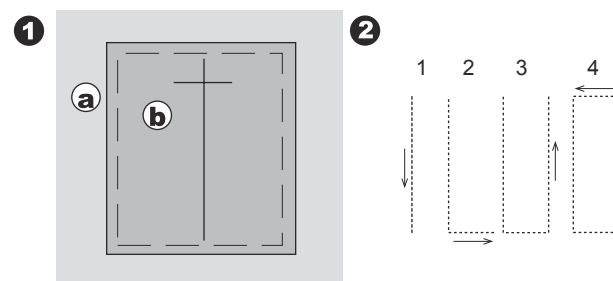
BOUND BUTTONHOLE

A bound buttonhole provides a professional touch to tailored garments like suits, coats and jackets.

30. Bound Buttonhole Buttonhole Foot

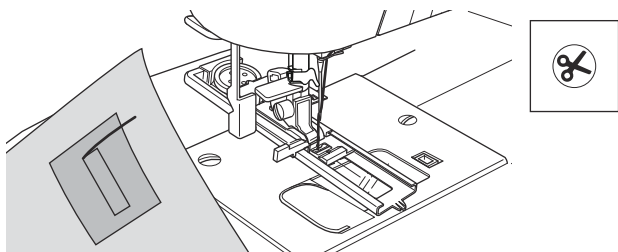


1. Cut a patch of fabric 2.5 cm (1") wide, 1 cm (1/3") longer than the finished buttonhole.
Baste a patch so that the center line of patch will align with the center line mark of buttonhole.
a. Right side of fabric
b. Wrong side of patch
2. Lower the Buttonhole Lever and sew buttonhole. (See previous page)
Machine will sew the buttonhole in the order as shown and stop automatically after sewing.



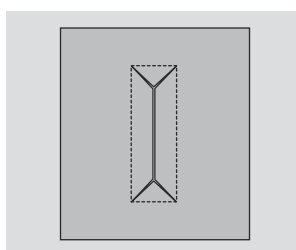
3. Press the Thread Cutter button and raise the presser foot to remove the fabric.

3

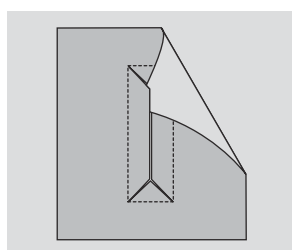


4. Carefully cut through the center of buttonhole to within 3 mm of each end. Cut diagonally to each corner as shown. Remove the basting.
5. Draw the patch through the opening to the underside.

4

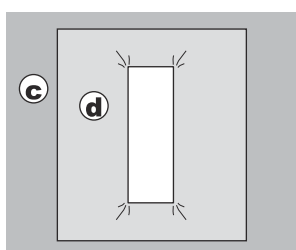


5

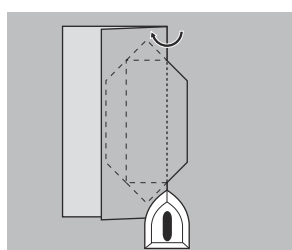


6. Turn the fabric and pull the patch through the buttonhole rectangle. Press the patch.
c. Wrong side of fabric
d. Right side of patch
7. Turn the patch and press the side seam allowance.

6

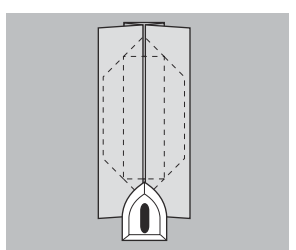


7

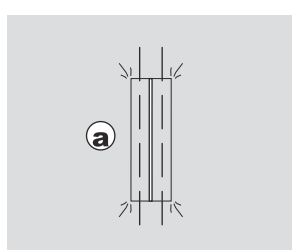


8. Fold each side of the patch to form pleats that meet at the center of the buttonhole and cover the opening. Press the patch.
9. Turn the fabric to right side and baste along the center of each fold.
a. Right side of fabric

8



9

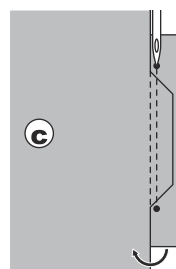


10. Fold the fabric and stitch along the seams on each side, just a needle width from the original stitching line. Remove the basting.

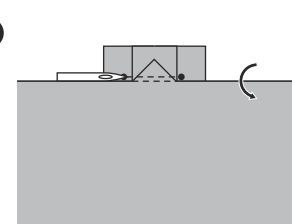
c. Wrong side of fabric

11. Fold the fabric along the buttonhole end and stitch triangular ends on the original stitching line.

10



11

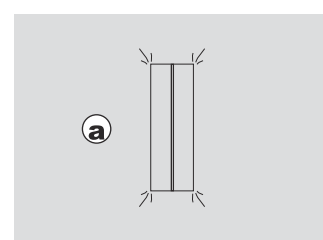
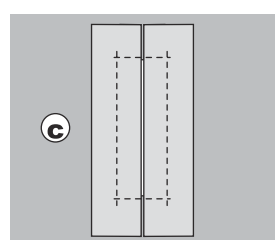


12. Press and trim the patch to within 5 mm (3/16") of the stitching.

a. Right side of fabric

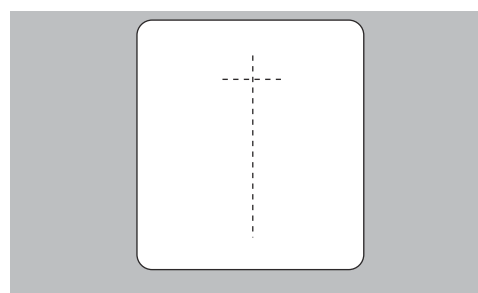
c. Wrong side of fabric

12



NOTE:

When sewing lighter weight fabric, reinforce buttonhole area. Cut a patch of fusible interfacing 3 cm (1 1/4") wider and 2 cm (3/4") longer than the buttonhole. Fuse to wrong side over each buttonhole marking.



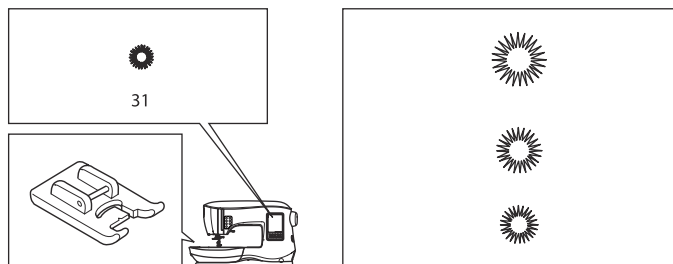
EYELET

This stitch pattern is used for making belt holes and other similar applications.

31 Eyelet

Satin Foot (B)

You can choose 3 sizes of eyelets by changing the stitch length.



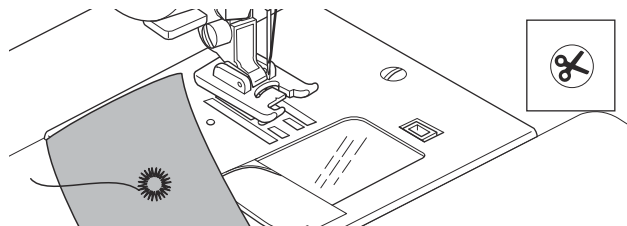
1. Place the fabric under the presser foot and lower the presser foot. Start the machine.
Machine will sew the eyelet and stop automatically.

1



2. Press the Thread Cutter button and raise the presser foot.

2

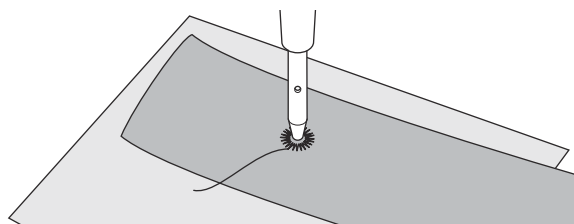


3. Make a hole in the center of the eyelet.

NOTE:

Eyelet punch is not provided with this machine.

3



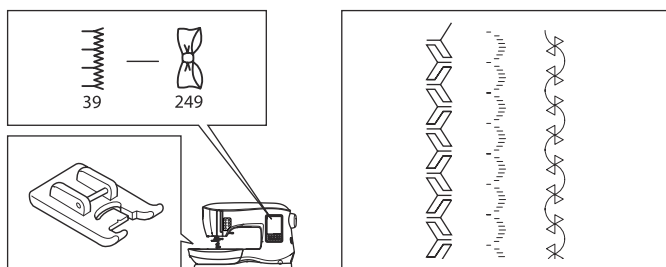
CONTINUOUS DECORATIVE PATTERN

Use the Satin Foot for continuous decorative stitch patterns.

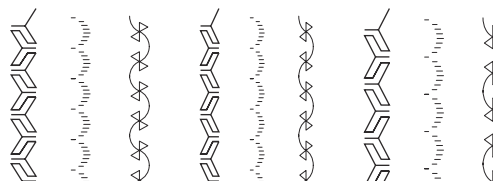
This foot has a groove on the underside to allow satin stitches (or other closely spaced stitches) to feed freely under the foot.

No. 39-249

Satin Foot (B)

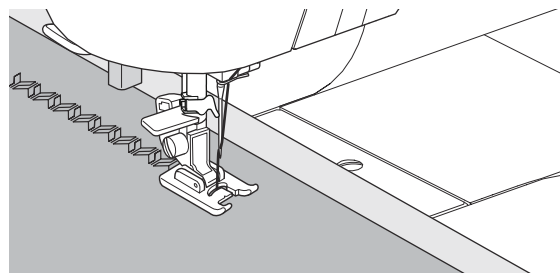


To customize the continuous decorative stitch pattern, you may adjust the length and width of pattern. Experiment with fabric scraps until you achieve the desired length and width.



SEWING LIGHTWEIGHT FABRICS

When sewing lightweight fabrics, it is suggested that you use stabilizer on the backside of the fabric. This can help prevent stitches from puckering the fabric.

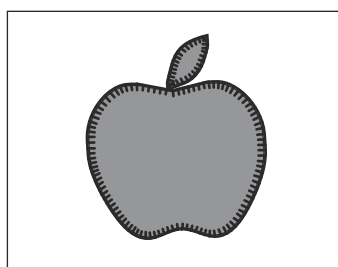
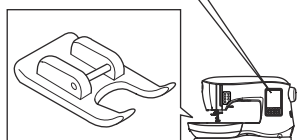
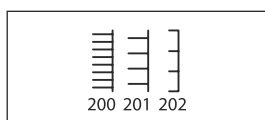


APPLIQUE

No. 200, 201, 202
Open Toe Foot

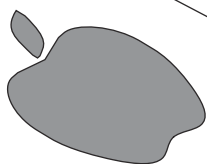
⚠ CAUTION

To prevent accidents, do not change the stitch width to wider than 5.0. Otherwise, needle could hit the presser foot and break.

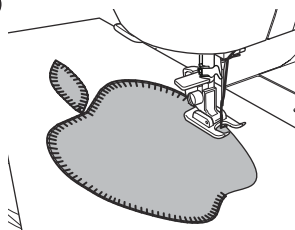


1. Set the applique in place on the base fabric with temporary fabric spray adhesive or by using fusible web.
2. Sew with the right side of the stitch following the right edge of the applique as closely as possible.

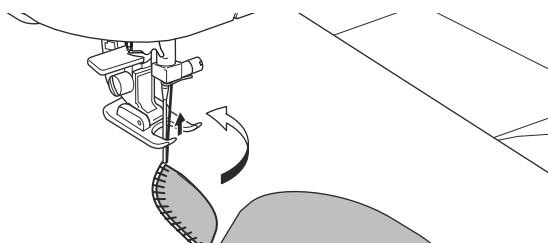
1



2



When sewing sharp angles or curves, bring the needle to its lowest position and raise the presser foot. Use needle as pivot and turn fabric.



NOTE:

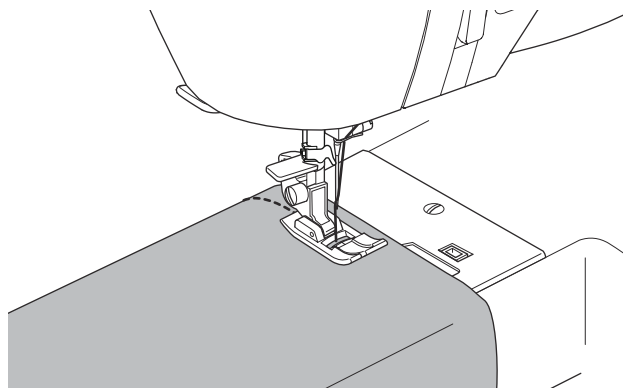
Applique can also be done with a satin stitch using the Satin Foot (page. 24). It may be helpful to place a fabric stabilizer underneath your work, which may help prevent any fabric puckering.

FREE ARM SEWING

By simply removing the extension table, you can access the free arm, making it easier to stitch hard-to-reach areas like pant hems, sleeve cuffs and children's clothing.

NOTE:

Refer to page 7 for Removing the Extension Table.



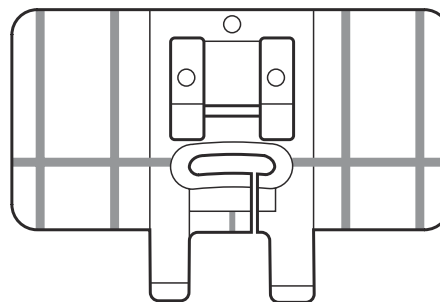
PARALLEL SEWING FOOT

This foot is used for sewing rows of stitching in parallel rows.

1. Snap on the Parallel Sewing Foot.
2. Sew the first row of stitching.
3. Align the first row of stitching either between or on the red guideline markings on the foot, depending on the desired distance from the first row of stitching. Sew the next row of stitching, using the red guidelines as a reference.
4. Align the two rows sewn, following the red guideline markings on the foot, depending on the desired distance between rows of stitching. Sew the next row of stitching, using the red guideline markings as a reference.
5. Continue for as many rows as desired.

NOTE:

The first vertical guideline, to either the left or right is 1/2" from the center needle position. The second guideline is approximately 1/4" from the first guideline on either side. There is a marking at the center front of the foot that can also be used as a reference.



TWIN NEEDLE SEWING

Interesting effects can be produced by sewing decorative stitches using a twin needle. Try using two different colors of thread for even more variety. Always make a test sample first to help you determine the best settings for the stitch you are sewing.

All patterns except No. 11, 16-31 may be sewn with a twin needle.

All-Purpose Foot or Satin Foot (A, B)

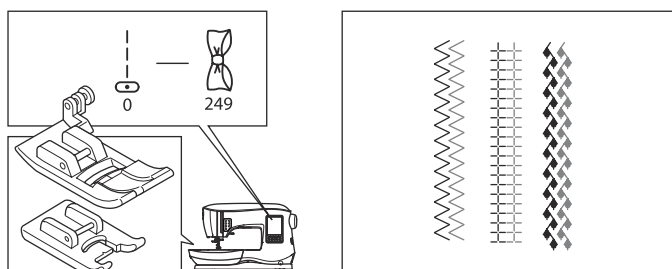
NOTE:

A twin needle is not provided with this machine.

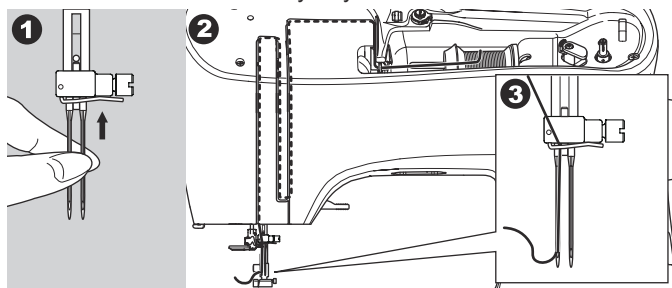
CAUTION

To prevent accidents.:

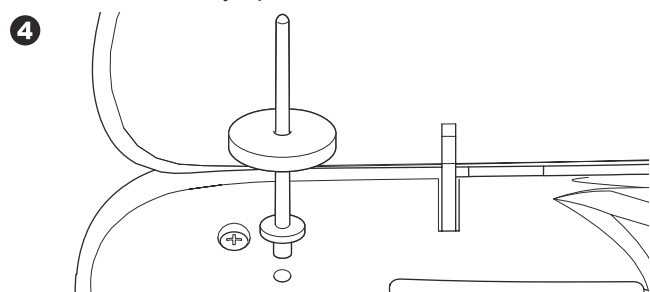
- Use only SINGER branded twin needles for this machine. Other needles may break.
- The needle threader cannot be used. Thread each needle eye manually.



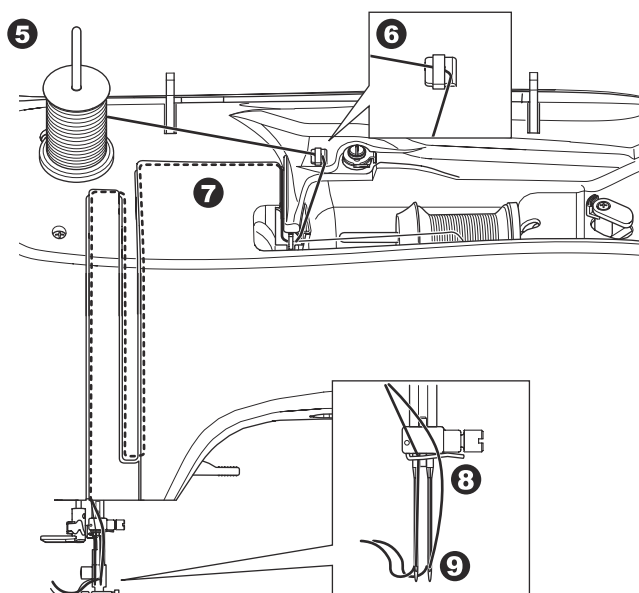
- Remove the single needle and insert twin needle.
- Thread the first thread as usual, following threading route.
- Thread the left needle eye by hand from front to back.



- Push the Auxiliary Spool Pin with felt washer into the hole.



- Place second spool of thread.
- Hook second thread to the hook from rear opening.
- Thread the second thread same as first.
- For better sewing results, do not place the thread into the needle bar thread guide.
- Thread right needle eye by hand from front to back.



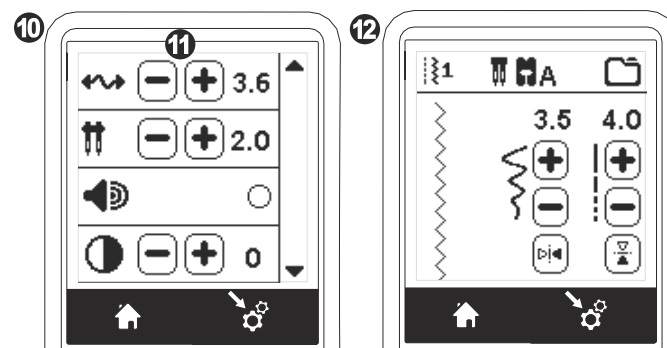
- Press the Setting Button.
- Set the twin needle width to be used by pressing the + or - button.

CAUTION

To prevent accidents:

If you did not set the twin needle width correctly, needle may hit the needle plate and break.

- Press the Setting Button again and select the pattern you desire.
Twin needle mark will appear on screen and the stitch width will be reduced automatically.

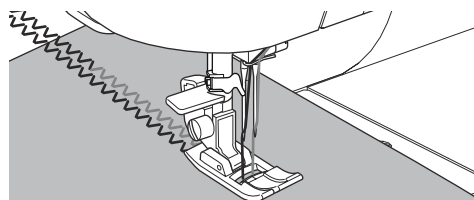


- Always test the selected stitch by first turning the hand wheel toward you slowly, to ensure that the swing of the needle doesn't hit the sides of the foot.
- Sew the stitches.

Twin needle mode will remain until you change the setting to "-.-". When the twin needle mode has been set back to "-.-", the twin needle icon will disappear from the main screen.

NOTE:

Twin needle sewing may be also used with sequencing by setting to twin needle mode.

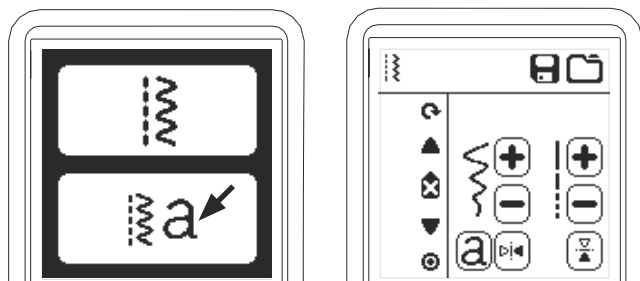


SEQUENCE SEWING

You can combine stitch patterns & letter stitches into a sequence.

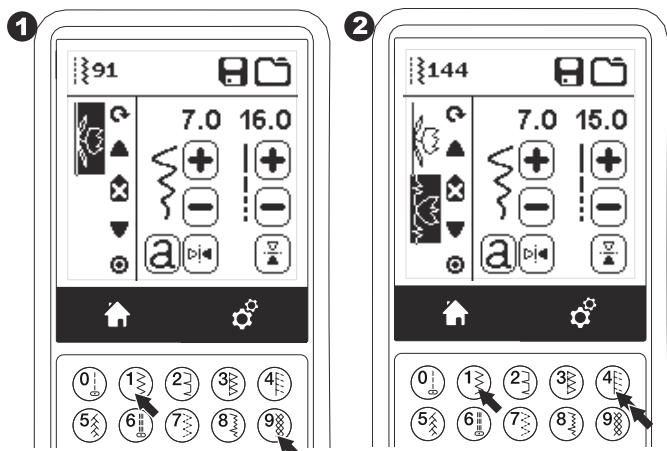
To enter the sequence mode, press the Sequence Button at the Home Screen.

LCD will show the Sequence Screen.



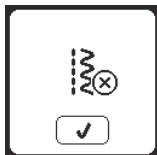
SELECTING STITCH PATTERNS

1. Select the desired stitch patterns in the same manner as that used for normal sewing. (See page 13 for information on selecting stitches)
The selected patterns will display at the top left side of the LCD screen.
2. After selecting a stitch, use the same procedure to select the next stitch pattern. The selected pattern will be added, and it will display on the left side of the LCD screen below the previously selected pattern.



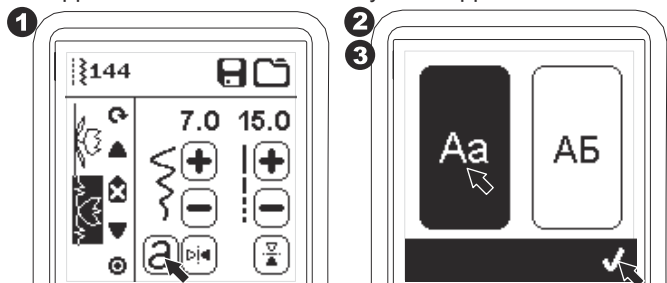
NOTE:

Some patterns may not combine into the sequence. If you select a pattern that cannot be combined, a message will appear on screen to alert you of this. Press the "✓" button.

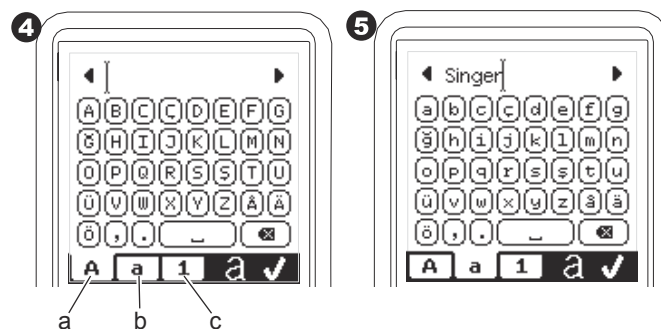


SELECTING LETTER STITCHES

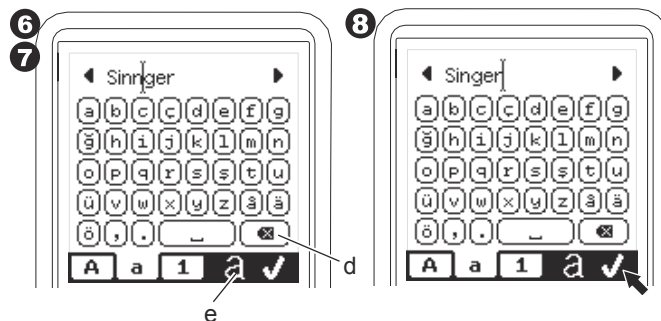
1. To enter a letter stitch into the sequence, press the Letter button on the LCD screen, which is indicated by a lower case 'a', as shown below.
The Letter Style Selecting Screen will appear.
2. Press the left button for the Block font, press the right button for the Cyrillic font. Selected button will be highlighted.
3. Press the "✓" button.
Uppercase letter of selected style will appear.



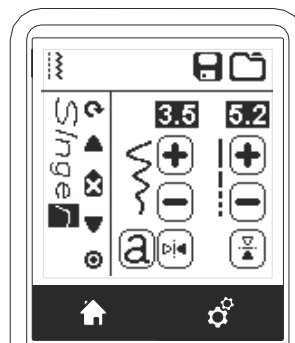
4. Press the desired letter directly. Press the Character tabs (located at the bottom of the LCD screen) to change lower case, numbers, etc.
 - a. Uppercase letters
 - b. Lowercase letters
 - c. Numeric letters and special letters
5. Selected letters will appear on the top line of the LCD screen.



6. The arrow buttons on top line will move the cursor.
7. To insert the letter, move the cursor to the inserting point and select letter.
To delete the letter, move the cursor to the right side of the letter to be deleted, then press the Delete button (d).
To change the letter style, press the Style button (e).
8. When sequencing of letters is completed, press the "✓" mark.
The Sequence Screen will appear again.

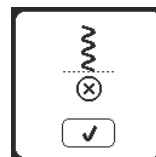


When you return to the Sequence Screen, selected letters will be shown on the left side of the LCD screen. The cursor may disappear if the length of letters are over the indicating area. See next page to shift the cursor.



NOTE:

1. If a letter is selected, which has a different base line (like "j" or "g"), the width and length of other letters will be adjusted to proportion automatically.
2. The sequence can contain a maximum of 60 patterns and letters. Message will appear when you reach the limit.
Press the "✓" button.



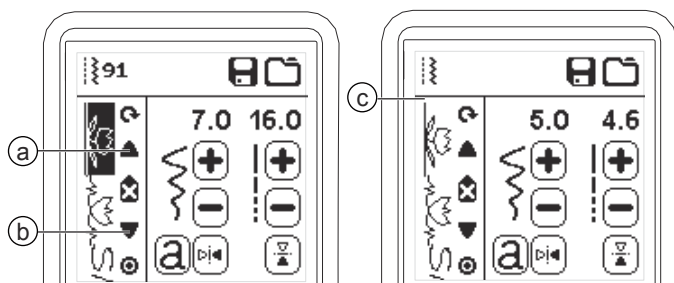
SHIFTING THE CURSOR (HIGHLIGHT)

The cursor position is the highlighted pattern or letter.

By pressing the Cursor buttons (a, b), cursor will shift up or down.

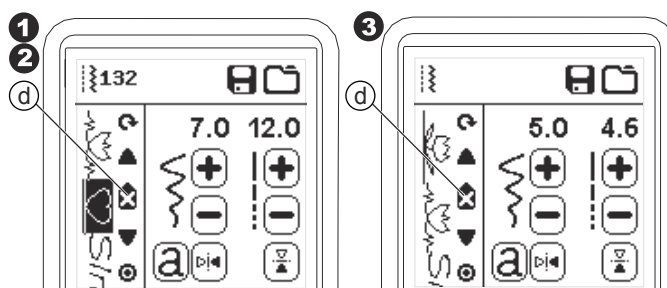
The cursor is used to check selected patterns, insert patterns, delete patterns or edit each pattern as described below.

NOTE: When the cursor is shifted to the top of sequence, it will disappear. (c)



DELETING PATTERN OR LETTER

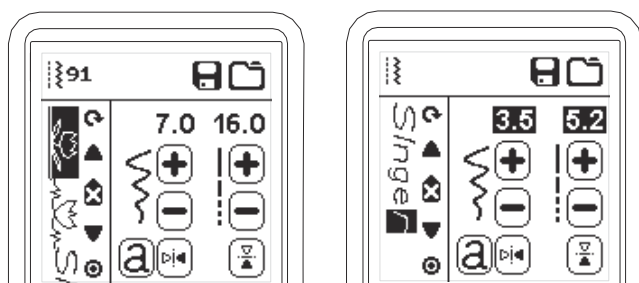
1. Shift the cursor to the pattern or letter you want to delete.
2. Press the Delete button (d) quickly (less than 0.5 sec.). Machine will delete the pattern or letter and cursor will shift to next pattern or letter. (If it was last pattern or letter, cursor will shift to previous pattern or letter.
3. If you want to delete all patterns and letters, press and hold the Delete button 0.5 sec. or shift the cursor to the top of sequence and press the Delete button.



CHECKING SELECTED PATTERNS AND LETTERS

As the length of the sequence increases, patterns and letters will disappear from view on screen.

You can check patterns and letters by moving the cursor upward or downward using the Cursor buttons.

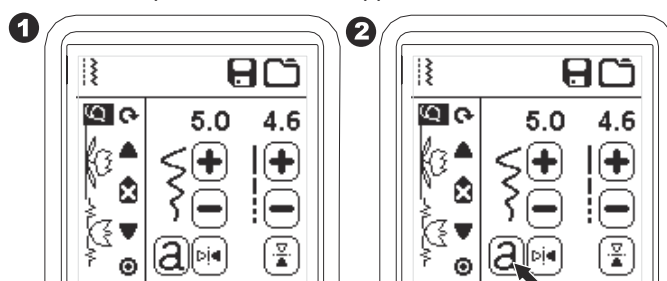


When deleting all patterns, a pop up will appear, press the "✓" button. Machine will delete all selected patterns and letters. To cancel, press the "X" button.



HOW TO EDIT A LETTER FROM THE SEQUENCE

1. Shift the cursor to the letter you want to edit.
2. Press the Letter button. The Letter Style Selecting Screen will appear.
3. Select letter style and press the "✓" button. Letter-Sequence screen will appear.



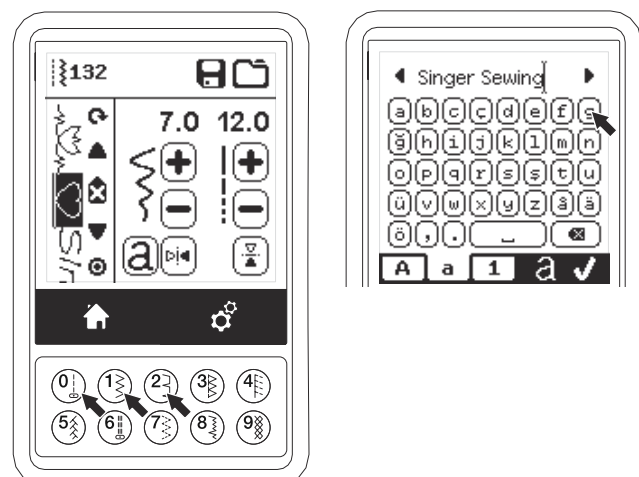
INSERTING PATTERN OR LETTER

Machine will insert a pattern or letter to the next of the highlighted pattern or letter.

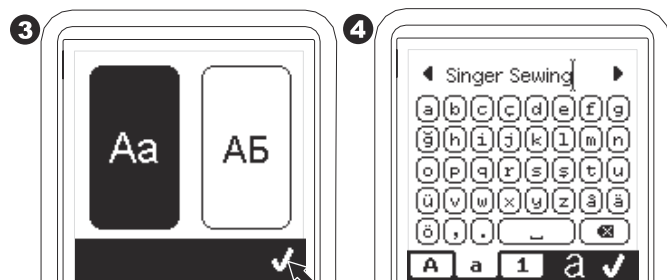
Shift the cursor to highlight the pattern just before the desired position.

To insert a pattern, select pattern number.

To insert a letter, press the Letter button and select or edit letter as described on the previous page.



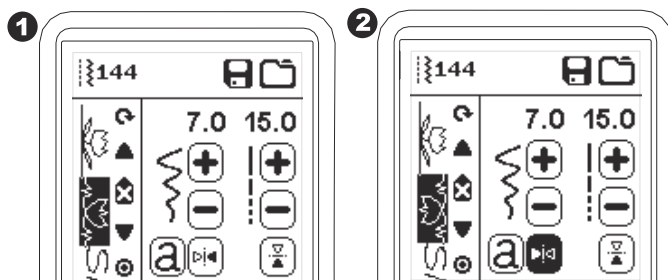
4. Edit the letter as described on the previous page.



ADJUSTING EACH PATTERN OR LETTER IN A SEQUENCE

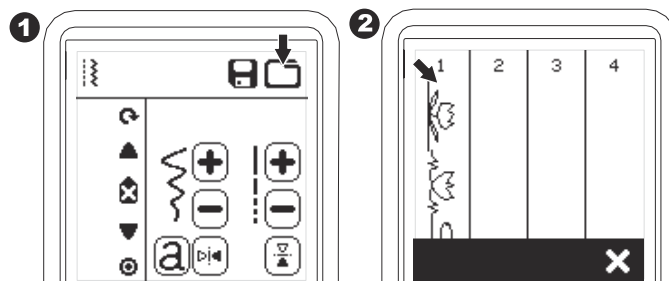
You can change the settings (stitch width/length, mirror/reverse) of each stitch pattern.

1. Shift the cursor to the pattern you want to edit.
2. Change the setting as normal setting. (Page 14)

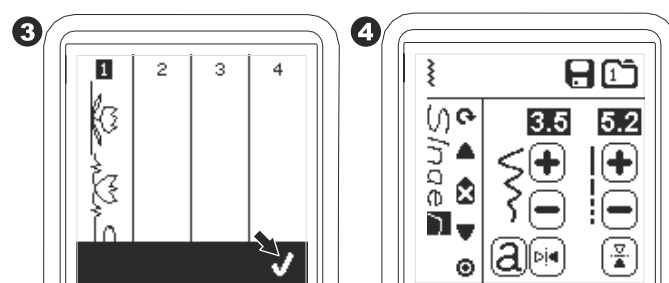


b. To recall memorized sequence

1. Press the Load button on the Sequence Screen.
2. The memories are indicated by numbers. Press the desired sequence/memory.



3. When the selected file number is highlighted, press the "✓" button.
4. Recalled sequence is shown on the left side of LCD. You can now sew the recalled sequence.

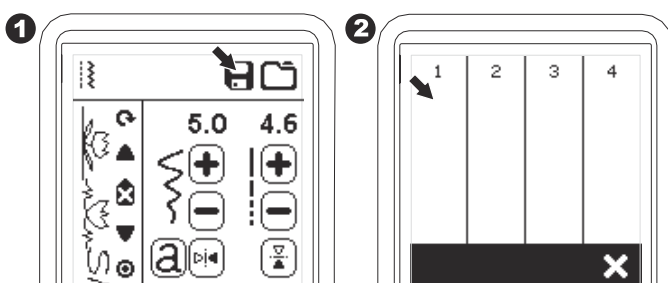


SAVING SEQUENCE

You can save stitch sequences into memory. There are four separate memory folders for saving stitch sequences. Memorized sequences remain in the memory if you turn off the machine.

a. To memorize or save a sequence

1. Press the Memory button after you have selected patterns or letters.
2. Select one of the four memories by pressing directly. (If cancel, press "X" button)

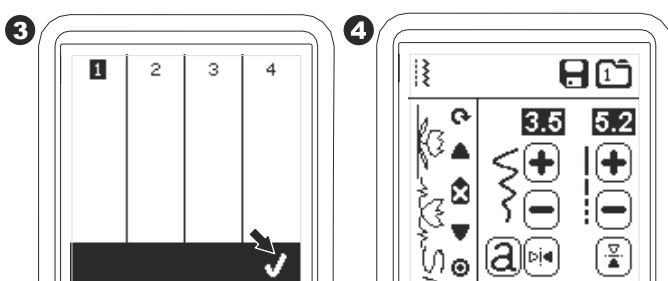


NOTE:

If the selected folder has a memorized sequence in it previously, a message will appear asking to rewrite over the previous sequence or not. To rewrite (deleting previous sequence), press the "✓". To cancel (exit), press the "X". The message will disappear.



3. When the selected memory number is highlighted, press the "✓" button.
4. Sequence Screen will appear and the Folder icon indicate the number of memorized folder.



NOTE:

If another sequence has been created or loaded before loading from memory, the loaded sequence will be added to the next of cursor.

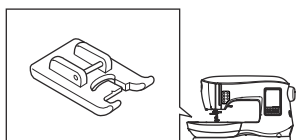
SEW THE SEQUENCE

After selecting stitches for a sequence, the sequence will sew repeatedly.

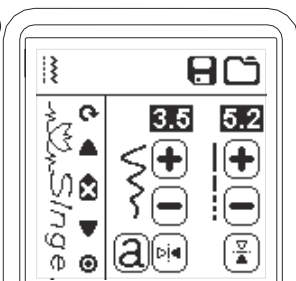
SEWING

1. Attach the Satin Foot when sewing decorative & letter stitches.
2. Lower the presser foot and start sewing.
Machine will start sewing from first entered, and sew the sequence repeatedly.

1



2

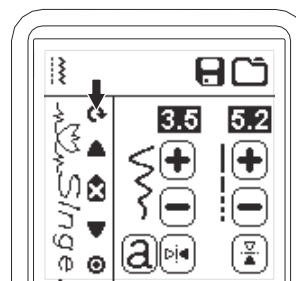


NOTE;

By pressing the Thread Cutter button while sewing, machine will stop at the end of sequence and cut threads.

SEWING SEQUENCE FROM BEGINNING

Whenever pressing the Restart button, machine will start sewing sequence from beginning.



SINGLE SEQUENCE MODE

By pressing the Single Sequence button, the icon will change to a circle and activate the Single Sequence mode. This mode has two functions.

1. Adjustments as one stitch pattern. The value of stitch length and width are now common for all stitch patterns in the sequence. You can change the length/width and mirror/reverse of all stitches as one stitch pattern.
2. Sewing in single time. The stitch sequence will sew one time and then stop at the end of the sequence.

NOTE:

In this mode, the Delete button is not activated. Press the Single Sequence button again to activate.

1

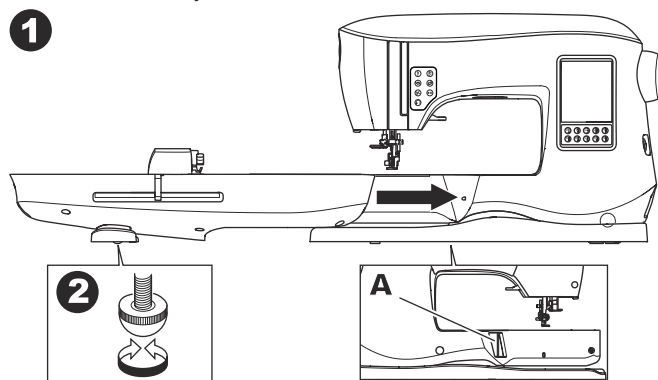


Your sewing machine can convert to embroidery mode easily by attaching the embroidery unit as follows.

CONNECTING THE EMBROIDERY UNIT

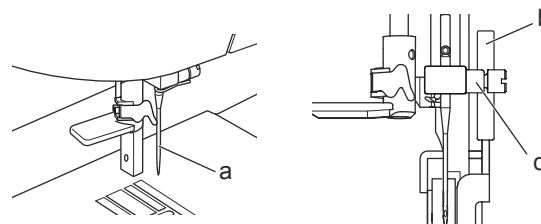
There is a covered socket (A) behind the machine. The cover will open automatically when connecting the embroidery unit.

1. Turn the machine off before connecting the embroidery unit.
2. Slide the embroidery unit onto the arm of the machine until it plugs firmly into the socket.
3. If needed, use the level adjusting feet so that the machine and embroidery unit are even with one another.



ATTACHING THE EMBROIDERY FOOT

1. Remove the presser foot and holder.
(See page 8)
Exchange the needle to an embroidery needle (a).
2. The arm (b) of Embroidery Foot should ride above the shaft (c) of the needle clamp.



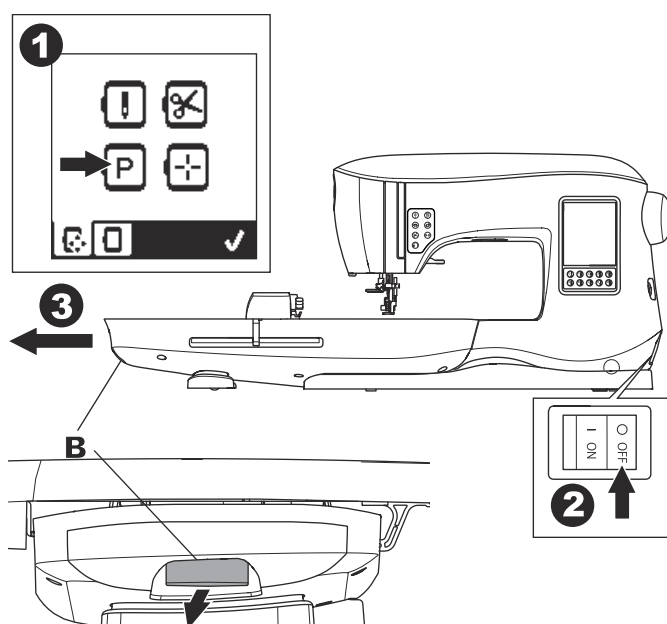
3. Slide the attaching head from your left to right so that it is fitted into the presser bar.
For easier access, lower the needle slightly by turning the hand wheel toward you.
4. Tighten the presser foot screw securely.



TO REMOVE THE EMBROIDERY UNIT

Remove the hoop from the machine. (See Page 46)

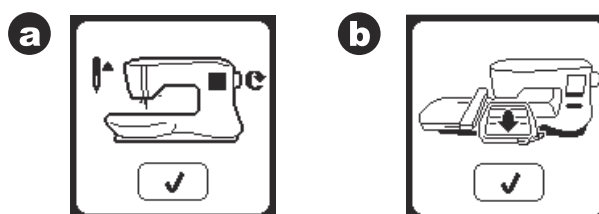
1. To store the embroidery unit into the box, move the carriage to park position by selecting Park Position in the Hoop Option. (See page 50)
2. Turn off the machine.
3. Pull the lever (B) at the left, underneath the embroidery unit and slide the unit to the left to remove it.
The cover of the socket closes automatically.
4. Store the embroidery unit in the original packing material.



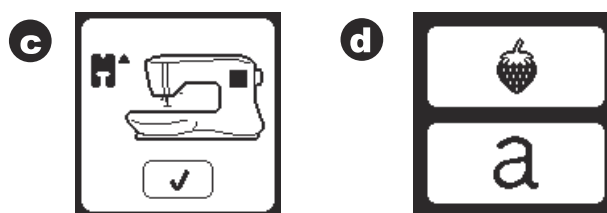
MESSAGES AT START UP

When you turn the machine on, a series of messages will appear on the screen.

- a. If the needle is not in its highest position, this message will appear. Turn the hand wheel toward you to raise the needle to its highest position and then press the "✓" button.
- b. If this message appears, remove the hoop (if attached), clear the embroidery area and press the "✓" button.



- c. If presser foot is lowered, this message will appear. Raise the presser foot lifter and press the "✓" button.
When the messages a-c have cleared the screen, the carriage will move to start point.
- d. The Home Screen will appear.



⚠ CAUTION

To prevent accidents:

1. Do not carry the sewing machine when embroidery unit is attached. It may fall off.
2. Do not push nor pull the carriage forcefully. It may break.
3. Do not hold the carriage to move the machine.

HOME SCREEN / HOME BUTTON

HOME SCREEN (A)

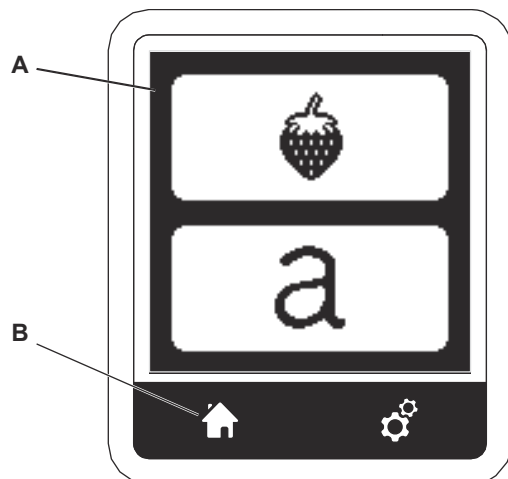
When you have attached the embroidery unit correctly, the Embroidery Home Screen will appear.

You can start selecting and editing embroidery from this screen.

HOME BUTTON (B)

You can go back to the Home Screen from anywhere by pressing the Home Button.

At this time, all selected designs or letters and editing for embroidery will be cleared.



EMBROIDERY MACHINE SETTINGS

SETTING BUTTON (C)

Before or during the embroidery process, you can adjust the machine settings by pressing the Setting Button.

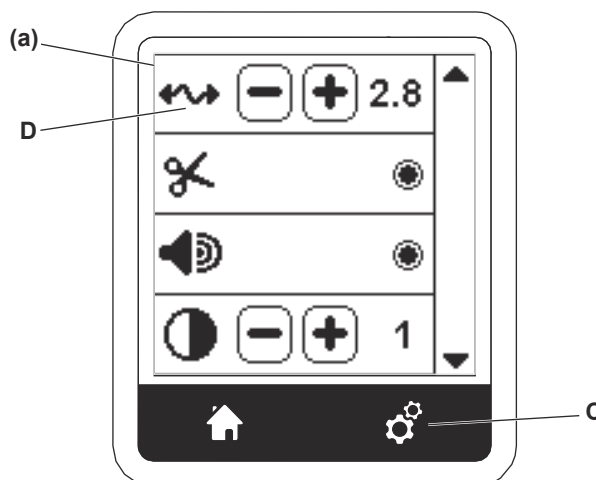
The Setting Screen will appear. (a)

This screen is scrolled by pressing the right side arrow buttons.

Pressing the Setting Button again, machine will return to previous screen.

NOTE:

All settings except for thread tension will remain until you change them. Thread tension will return to pre-set when you load a design.



THREAD TENSION (D)

This embroidery machine adjusts thread tension automatically. However, depending on the thread or fabric being used, it may be necessary to modify the tension setting to achieve the desired results.

To obtain the desired thread tension, adjust as follows.



i. CORRECT THREAD TENSION

Upper thread appears slightly on the bottom side of fabric.

ii. UPPER THREAD TOO TIGHT

Bobbin thread appears on the top side of fabric.

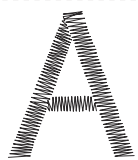
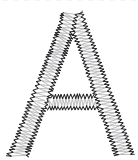
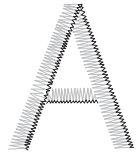
Decrease the upper thread tension by pressing the “-” button.

iii. UPPER THREAD TOO LOOSE

Upper thread is loose or makes loops.

Increase the upper thread tension by pressing the “+” button.

(See illustration top of next page)

	TOP SIDE	BOTTOM SIDE
i		
ii		
iii		

When thread tension is changed from the default (pre-set) setting, the number will be highlighted.

NOTE:

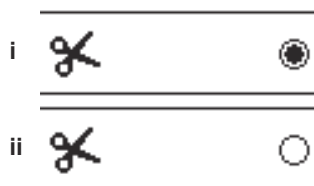
If the bobbin has been threaded or inserted incorrectly, or if the upper thread has not been threaded correctly, good thread tension cannot be achieved. Check to make sure that the bobbin and upper thread are correctly threaded before making any adjustments.

STOP FOR CUT

When starting to embroider, the machine can be set so that it will stop after a few stitches, allowing you the opportunity to cut the thread tail.

You can select or deselect this function, as follows:

- Stop for Cut is activated.
- Stop for Cut is deactivated.



AUDIBLE BEEP

CONTRAST OF SCREEN

CALIBRATION SCREEN

SOFTWARE VERSION

These settings are same as sewing machine mode. See page 16.

USING FABRIC AND STABILIZER

Embroidery can be applied to many different types of fabrics. Regardless of the fabric, it will be necessary to use an appropriate type of stabilizer. (See page 45 for more information)

Stabilizer serves as a foundation, holding fabric securely while the embroidery machine stitches out the design, eliminating distortion in the fabric and the design.

Different fabrics will require different types of stabilizer, depending on the nature of the fabric and the density of the design being embroidered. But most embroidery designs will stitch out looking their best if the fabric is properly stabilized.

Stabilizer is mainly used as a backing, but at times, a stabilizer is used on the top of the project as well.

A "Backing" goes on the back side of the area to be embroidered. It may be hooped along with the fabric or hooped alone, depending on the fabric and project.

A "Topper" means that an additional stabilizer is placed on the top of the fabric, either hooped with the fabric or secured in another manner. Its function is to ensure that the texture or loft of the fabric is held down, providing a smooth surface for the embroidery.

Though there are many types of stabilizers available, the most common types are tear-away, wash away, and cut away. Stabilizers come in different weights as well. After selecting the best type of stabilizer for the project, choose the appropriate weight. A good general rule is that the weight of the stabilizer be compatible with the fabric.

Tear-away stabilizers are temporary, so once the excess is removed after embroidering, the fabric itself must be able to support the design on its own.

Tear-away stabilizers are usually recommended for woven fabrics.

Cut-away stabilizers are permanent, and therefore a better choice for supporting embroidery on unstable fabrics, to prevent distortion. Simply trim away the excess from around the design. Even after frequent laundering, the embroidery design will stay intact.

Wash-away stabilizers rinse away from the embroidered area. Though they are a good choice when sewing very light weight fabrics, they can also be used as a topping. After removing the main excess stabilizer, the rest is simply rinsed away.

There are also fusible and non-fusible version of stabilizer available. Fusible stabilizers can be ironed onto the back of the area to be embroidered, preventing distortion of the fabric while hooping.

However, for fabrics that may be more sensitive to ironing, the non-fusible stabilizers are used. In these cases, another helpful tool is a temporary fabric spray adhesive. Use this to temporarily 'hold' the fabrics and stabilizer while hooping and embroidering, to prevent the fabrics from shifting during the embroidery process.

Knowing how to properly stabilize involves a little trial and error at first. Follow the stabilizer manufacturer's recommendations, for best results.

EMBROIDERY PREPARATION

EN

Generally, the stabilizer should be larger in size than the hoop with which it is being used. When embroidery is completed, use a fine point scissor to carefully remove any excess stabilizer from the embroidery area.

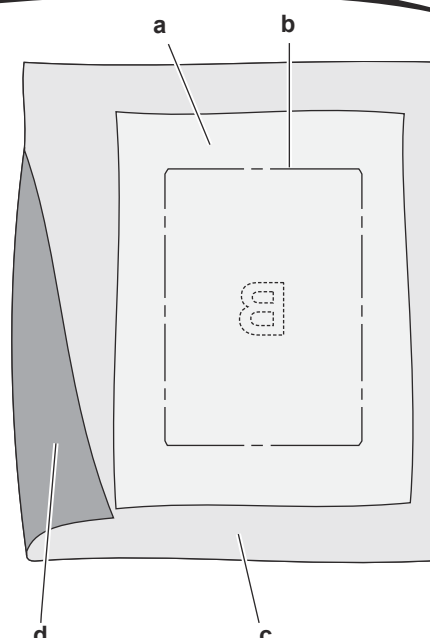
- a. Stabilizer
- b. Hoop position
- c. Fabric (Under side)
- d. Embroidery surface (Top side)

NOTE:

It is possible to substitute SINGER® Syle 2020 needles for the 2000 Style, in either the 11/80 or 14/90 sizes.

It is possible to substitute SINGER® Style 2045 needles for the 2001 Style, in either the 11/80 or 14/90 sizes.

It is recommended to use SINGER® needles in your SINGER® embroidery machine.



FABRIC, STABILIZER, NEEDLE AND THREAD CHART

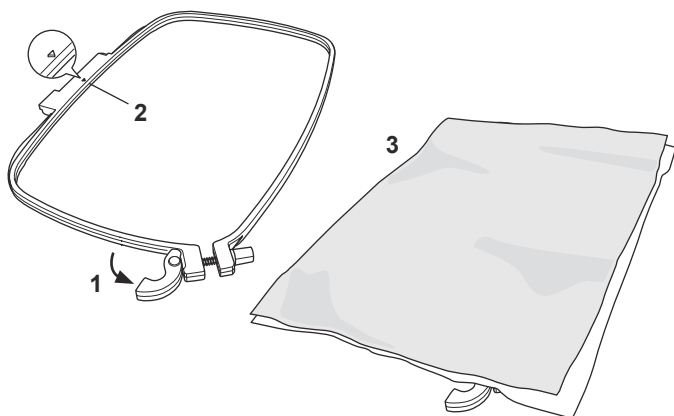
PROJECT	STABILIZER	HOOPING	NEEDLE	BOBBIN THREAD	NEEDLE THREAD
T-Shirts	Soft Mesh Cut-Away	Hoop fabric and stabilizer together.	SINGER® Chromium #2001 Size 11/80	Bobbinfill	Polyester or Rayon
Fleece	Cut-Away and Topper	Hoop cut-away stabilizer. Pin topper and fleece to the hooped cut-away stabilizer.	SINGER® Chromium #2001 Size 14/90	Bobbinfill	Polyester or Rayon
Towels	Topper and Tear-Away	Hoop tear-away stabilizer. Pin topper and towel to the hooped tear-away.	SINGER® Chromium #2000 Size 14/90	Same color as needle thread or towel	Polyester is recommended
Sweater Knits	Cut-Away Stabilizer	Hoop cut-away stabilizer. Pin topper and sweater to the hooped cut-away stabilizer.	SINGER® Chromium #2001 Size 14/90	Bobbinfill	Polyester or Rayon
Light Weight Fabrics	Water-Soluble, Light Tear-Away	Hoop fabric & stabilizer together.	SINGER® Chromium #2000 Size 11/80	Bobbinfill	Rayon is most often used
Medium to Heavy Woven Fabrics	Medium to Heavy Weight Tear-Away	Hoop fabric and stabilizer together.	SINGER® Chromium #2000 Size 14/90	Bobbinfill	Polyester or Rayon
Denim	Medium to Heavy Weight Cut-Away	Hoop fabric and stabilizer together.	SINGER® Chromium #2000 Size 14/90	Bobbinfill	Polyester or Rayon
Napped Fabrics	Medium to Heavy Weight Cut-Away and Topper	Hoop cut-away stabilizer. Pin topper and fabric to the hooped cut-away stabilizer.	SINGER® Chromium #2000 Size 14/90	Bobbinfill	Polyester or Rayon
Vinyl & Leather	Cut-Away	Hoop cut-away stabilizer. Secure fabric to the hooped cut-away stabilizer.	SINGER® Chromium #2000 Size 14/90	Bobbinfill	Polyester or Rayon

EMBROIDERY

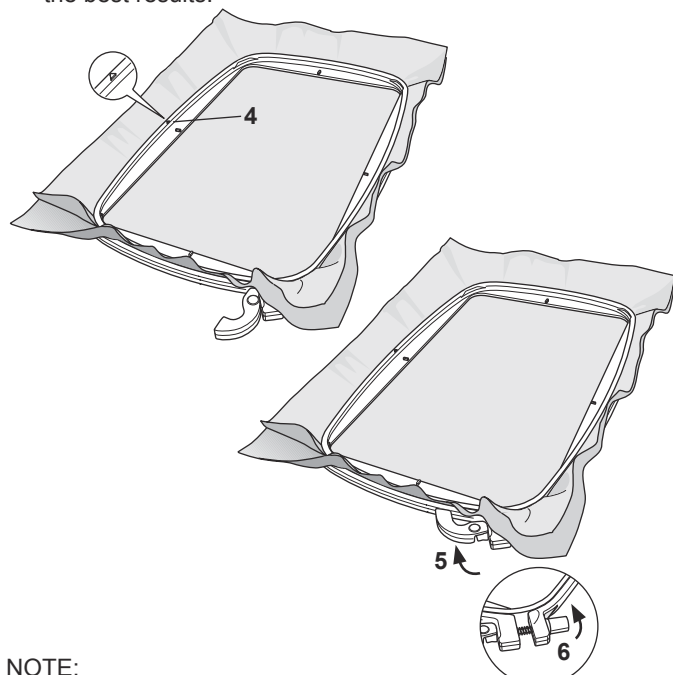
SECURING FABRIC IN EMBROIDERY HOOP

For the best embroidery results, place a layer of stabilizer beneath the fabric. When hooping stabilizer and fabric make sure that they are smooth and securely hooped.

1. Open the Quick Release Lever on the outer hoop and remove the inner hoop.
2. Place the outer hoop on a firm flat surface with the screw on the lower right. There is a small arrow in the center of the left edge of the outer hoop which will line up with a small arrow on the inner hoop.
3. Place stabilizer and the fabric, with the right sides facing up, on top of the outer hoop.



4. Place the inner hoop on top of the fabric with the small arrow at the left edge and push firmly into the outer hoop.
5. Close the Quick Release Lever. Don't force the Quick Release Lever. If it seems as though it doesn't want close, loosen the retaining screw first and then try closing the Quick Release Lever again.
6. Adjust the pressure of the outer hoop by turning the retaining screw. The fabric should be taut in the hoop for the best results.

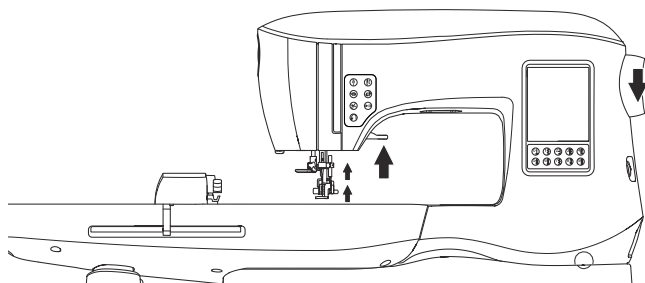


NOTE:

When embroidering additional designs on the same fabric, open the Quick Release Lever, move the hoop to the new position on the fabric and close the quick release lever. When changing type of fabric, you might need to adjust the pressure using the retaining screw. Do not force the Quick Release Lever.

ATTACHING THE EMBROIDERY HOOP TO THE MACHINE

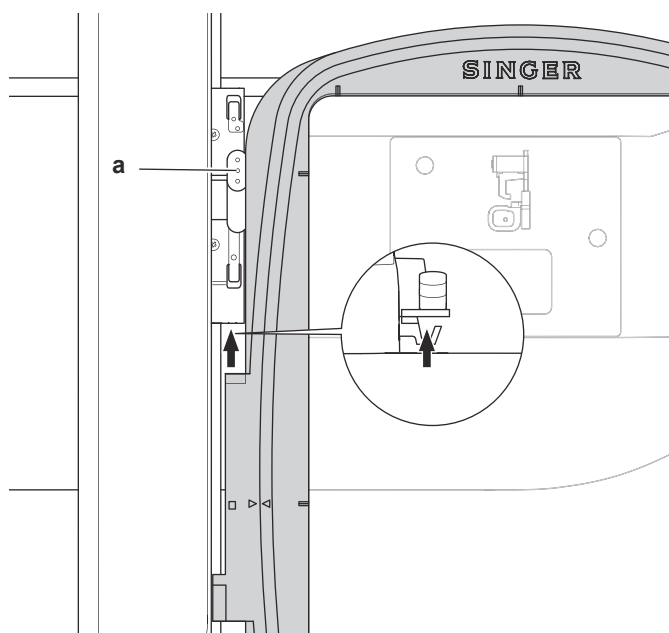
1. Raise the presser foot. Raise the needle to its highest position by turning the hand wheel toward you.



2. Slide the hoop onto the embroidery unit from front to back until it clicks into place.

NOTE:

Presser foot lever can be raised and held in a higher position to help passing the hoop under the foot.



REMOVING THE HOOP FROM THE MACHINE

Press and hold the Release Lever (a) on the hoop connection assembly, then slide the hoop toward you.

USB EMBROIDERY STICK

Your machine comes with a USB stick. This stick contains the following:

- Design Data (embroidery designs)
- Design Book (PDF file displaying images of included embroidery designs and fonts, viewed on PC)
- Individual Design Information (PDF file displaying details on individual designs, viewed on PC)

CONNECTING USB STICK

Your machine has a USB connector to read embroidery data from the USB embroidery stick.

Open the cover and insert the USB embroidery stick in the connector. The USB plug can only be inserted one way - do not force it into the socket.

To remove, carefully pull the USB embroidery stick out straight.

NOTE:

Do not remove the USB embroidery stick while operating the machine or stitching the embroidery, as this can damage the files on your USB embroidery stick.

DESIGN BOOK

A Design Book is provided, which displays an overview of the included embroidery designs and fonts that come with your machine. You can see an images of the designs, as well as the dimensions and stitch count of the designs.

This book is a PDF file, which can be accessed from the USB stick when placed in your PC. Your PC will need to have Adobe Acrobat Reader installed in order to view the Design Book. If your PC doesn't have Acrobat Reader, access the Adobe website to install it.

INDIVIDUAL DESIGN INFORMATION

This is a PDF file that contains more specific information about each individual embroidery design that comes with your machine, such as the order of thread colors, suggested thread colors and more.

This book is a PDF file, which can be accessed from the USB stick when placed in your PC. Your PC will need to have Adobe Acrobat Reader installed in order to view the Design Book. If your PC doesn't have Acrobat Reader, access the Adobe website to install it.

EMBROIDERY SOFTWARE

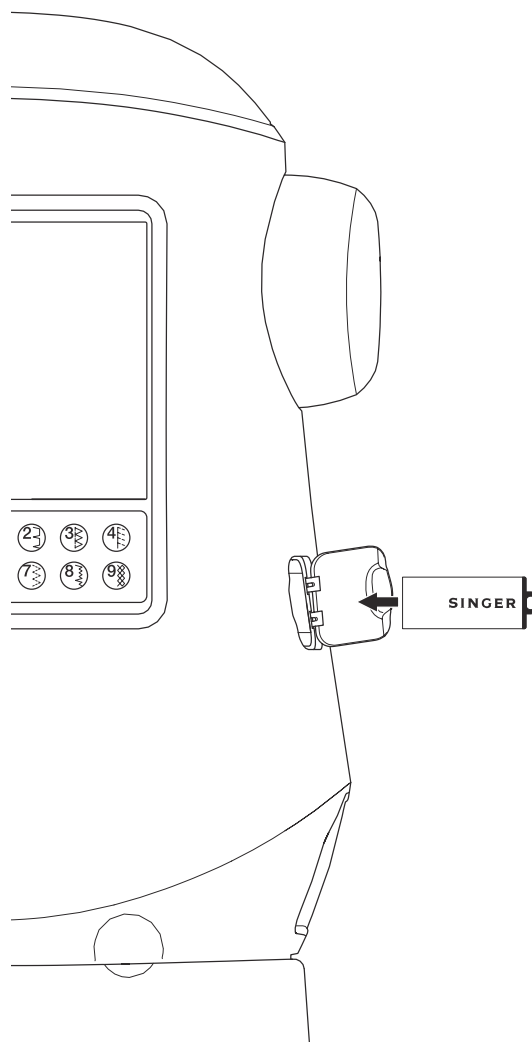
Embroidery software is available for your machine, which will allow you to use designs from other sources, such as design CD's and designs from the internet.

Go to singer.mysewnet.com for information on how to download this software to your PC.

UPDATING YOUR MACHINE

Periodically, updates may be made available for your machine. Your machine is updated via your USB stick.

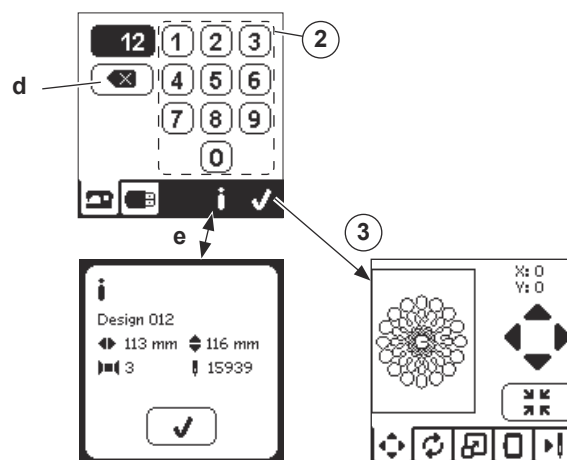
- Go to singer.mysewnet.com for information about available updates for your machine.
- Follow the instructions for how to update your machine.



HOME SCREEN

Selecting designs to embroider begins with the Home Screen. The Home Screen has two main selections.

- Selecting a design, editing and stitching.
- Programming letters, editing and stitching.



EMBROIDERY COLLECTION

(PDF file in your USB embroidery stick)

Your machine comes with 200 embroidery designs, as well as embroidery fonts. You will find 69 of these designs, plus the fonts, built-in to the machine. The remainder of the designs are on the USB stick.

The USB stick also has PDF files with information about the designs. For more information about this, see page 47.

SELECTING A DESIGN

TO SELECT A BUILT-IN DESIGN

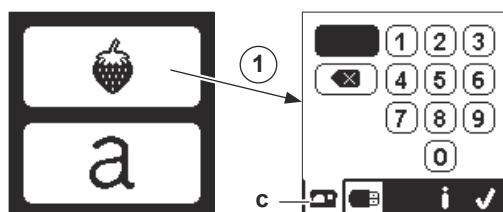
Your machine has 69 built-in embroidery designs.

- Press the Design button on the Home Screen.

A ten-key screen will appear.

NOTE:

Press the machine tab (c) if USB tab is activated.



- Select the design from the Embroidery Collection and press the design number on the ten-key screen. Selected number will appear in the top left of LCD. To delete a number, press the Delete button (d). If you want to know about selected design, press the info button (e). The following information is indicated on the screen.
 - Design name
 - Design max width & height
 - Total number of colors
 - Total number of stitches
 By pressing "✓" button, the information will disappear and ten-key screen will appear again.
- Press the "✓" button at ten-key screen. The design is selected and Embroidery Placement screen will appear.

TO SELECT A USB DESIGN

Your machine can read ".xxx" and ".dst" embroidery data stored in the USB embroidery stick.

- Insert the USB embroidery stick into the USB socket.
- Press the design button on the Home Screen and then press the USB tab (f).

Data list will appear in the screen.

Press the file or folder to select or open and press the "✓" button.

When folder is opened, the list of designs included in that folder will appear (g).

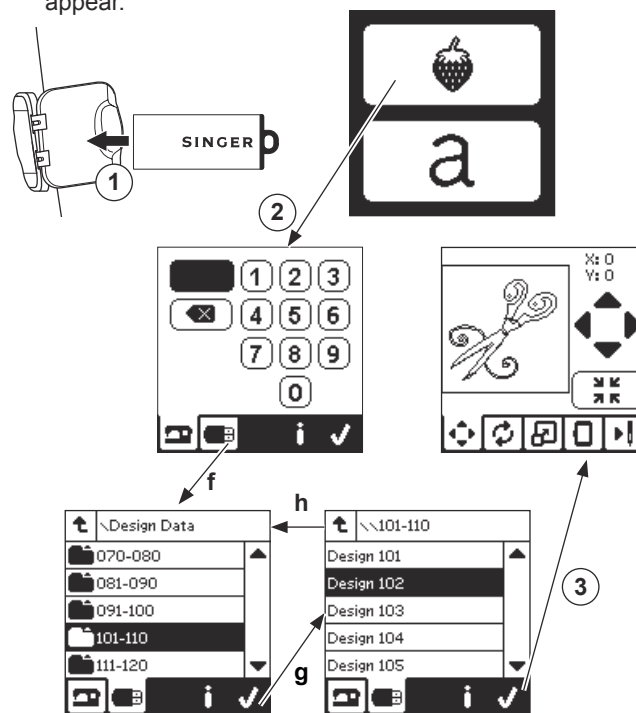
To go back, press the arrow button on the top line (h).

Press the info button for more information about the selected design.

NOTE:

If the USB stick or a folder is empty or if readable file is not included, empty mark will appear.

- When file is loaded, embroidery placement screen will appear.



Before you begin embroidering, you can edit designs, as shown below, using the Edit Tabs.

NOTE:

A pop up message may appear if you did not attach the correct hoop.

Press "✓" button and attach the hoop indicated in this message or change hoop size setting at the Embroidery Option screen (Next page).



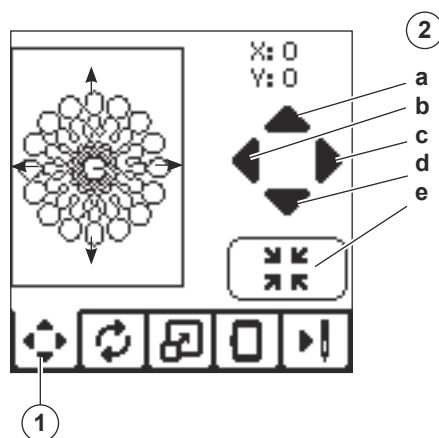
EMBROIDERY PLACEMENT SCREEN

You can move the placement or position of the selected embroidery design, as follows:

1. Press the Embroidery Placement tab.
(When you have selected the design, this screen will appear first.)
2. Press the four arrow buttons to move the position.
a: up, b: left, c: right, d: down
The hoop will move according to the direction selected. Each time the button is touched, the hoop will move. If the button is touched and held, the movement will be done in larger increments.
The values (X:Y:) near the top of the screen indicate distance from center position.

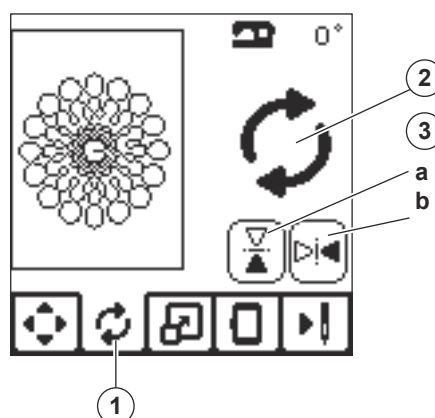
NOTE:

The left side of screen is showing the embroidery area and relative design position and size.
When you edit the design, this field will redraw according to your editing.



EMBROIDERY ROTATION AND MIRRORING SCREEN

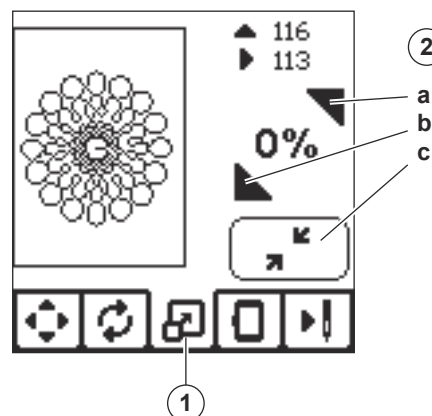
1. Press the embroidery rotate and mirroring tab.
2. Press the Rotate button. By pressing this button, the design will rotate 90 degrees clockwise. If the design is too wide or too high to rotate 90 degrees, it will rotate 180 degrees. The total rotation value will be indicated at the top right of the LCD screen. Located to the left of the rotation value is a 'machine icon', which will rotate as the rotation value is changed.
3. Press the Mirror buttons.
a. Mirror from top to bottom
b. Mirror from side to side
The 'machine icon' (located near the top of the LCD screen) will change to the selections made, indicating the new orientation of the embroidery design.



EMBROIDERY SCALING SCREEN

1. Press the Embroidery Scaling tab.
2. To increase the scale, press the upper arrow button (a). To decrease the scale, press the lower arrow button (b). The design will be scaled 5 percent each pressing on a button.
The maximum scaling is +/- 20 percent.
If scaling is exceeding the hoop size, it cannot be selected.
To return to original size, press the button (c).

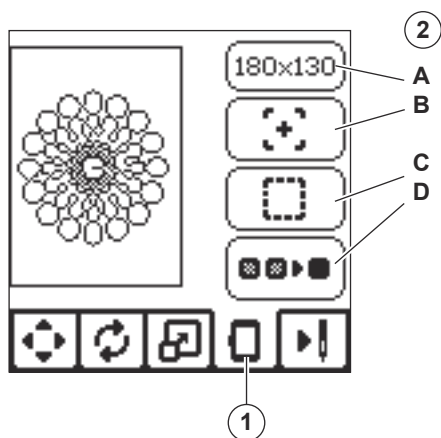
The value of the current scale is indicated between the buttons, and size of scaled design is indicated on the top line of screen.



EMBROIDERY OPTION SCREEN

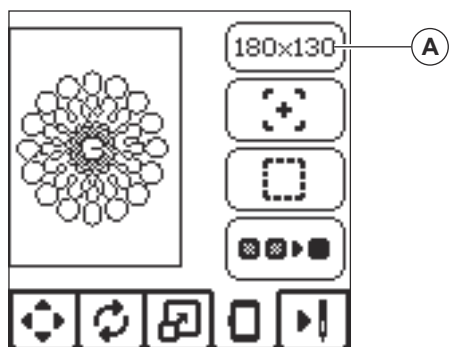
1. Press the Embroidery Option tab.
2. You can access embroidery options by pressing the buttons, as shown below:

- A. Hoop Option and Selection
- B. Tracing
- C. Basting
- D. Monochrome



HOOP OPTION AND SELECTION (A)

The top right button shows the hoop size selected. Press this button to select a hoop position or to change the hoop size.



HOOP OPTION - SELECT HOOP POSITION

When you press the Hoop Option and Selection button, the Hoop Option screen will appear first.

You can move the hoop to the following positions.:

- Current Position:**
When you want to return to the current stitch and start embroidering again where the embroidery was interrupted, press this button.
Hoop will move to current position and return to embroidery option screen.

NOTE:

You can also press the "✓" button to return to current position and Embroidery Option screen.

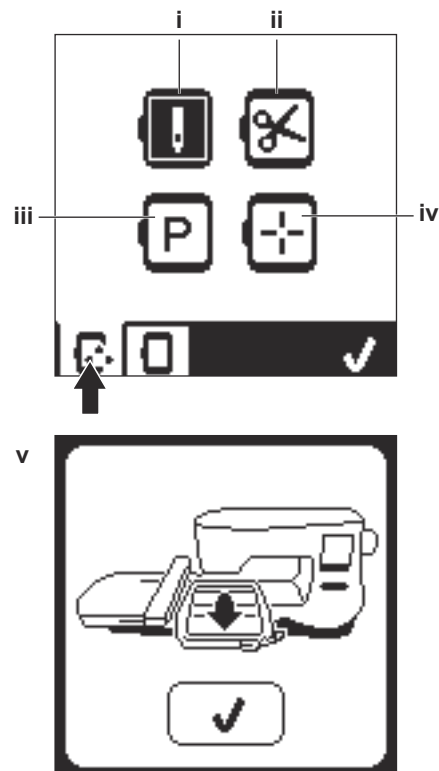
- Cut Position:**
By pressing this button, move the hoop towards you, making it easier to trim fabric when embroidering an appliqué.

- Park Position:**
When your embroidery is finished and you want to store your machine, it will be necessary to move the hoop carriage to Park position. Press the Park position button. When the pop-up message (v) appears, remove the hoop and press the "✓" button. The carriage will then move to the correct position for storage.

NOTE:

It is very important that the hoop is removed, otherwise it may be damaged.

- Center Position:**
If you want to check where the center position of the hoop will be placed on the fabric, press this button.



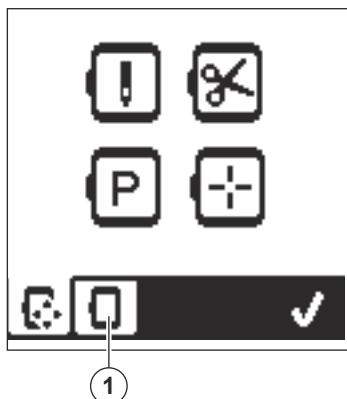
NOTE:

When hoop is not attached, buttons " ii, iv " will be disabled.

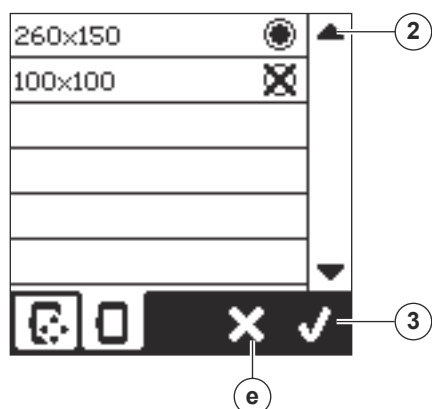
HOOP SELECTION

When you select the design, machine will select most suitable hoop automatically.

1. To change the hoop, press the second tab to open the hoop list.



2. Select the hoop you want to use.
The hoop list can be scrolled by pressing the right side arrow buttons.
Only hoops that are big enough for the selected design will be possible to select.
Hoops that are too small are marked with an X and cannot be selected.
Selected hoop is marked with a black dot.
3. Press the "✓" button. Hoop size will change and the Embroidery Option screen will appear.
At this time, all edits (rotation, mirroring and scaling) will be reset. If you don't want this, press the "X" button (e). Hoop size and edits will not change and return to the Embroidery Option screen.



NOTE:

If the hoop you have selected is not the same as the hoop attached to the embroidery unit, a pop-up will appear to inform you of this. Attach the correct hoop or select another hoop from the list.

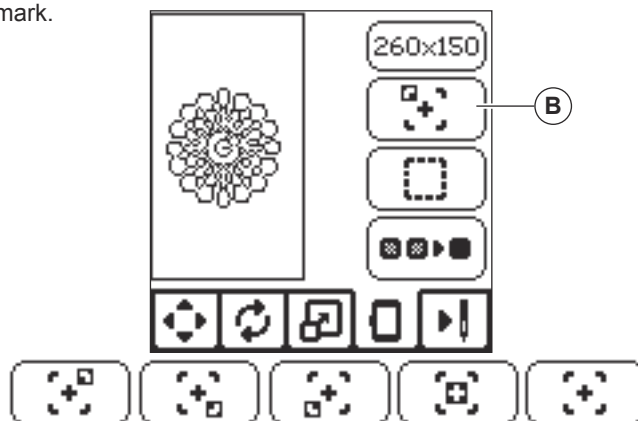
Hoops 260x150 and 100x100 are provided with this machine.

TRACING (B)

The Tracing function can be used to trace around the design area. Press the second button to move the hoop so the needle is placed in the upper left corner of where the design will be embroidered. Each press of the button will move the hoop to view all corners of the design.

On the fifth press, the hoop will move to the center position of the design and on the sixth press it will move back to its original position.

The Tracing button will indicate the position by highlighting mark.



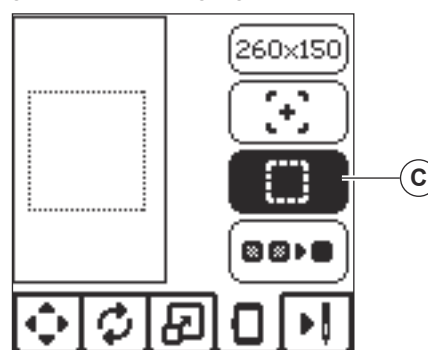
BASTING (C)

By pressing the third button and pressing the Start/Stop button, machine will sew a basting stitch around the design area as a box.

Basting enables you to secure your fabric to a stabilizer placed beneath it, especially when the fabric to be embroidered cannot be hooped. Basting can also provide added support, especially for unstable fabrics.

NOTE:

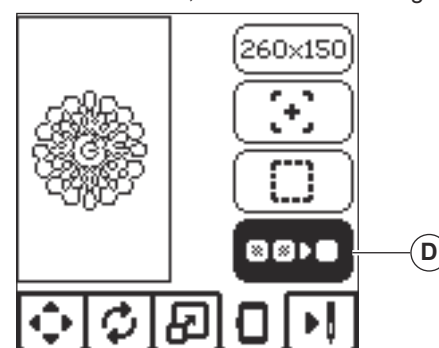
During basting, the design box will be indicated with a dashed line and Basting button will be highlighted.



MONOCHROME (D)

Press the fourth button to activate monochrome embroidery. The machine will not stop for color block changes. Press the button again to deactivate monochrome embroidery.

When Monochrome is activated, this button will be highlighted.

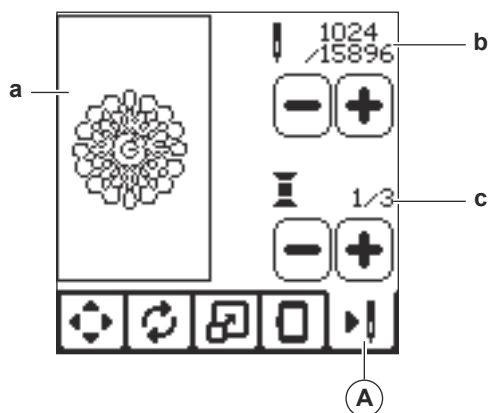


When you complete editing the design, press the Stitch Out tab to start sewing.

STITCH OUT SCREEN

When you press the Stitch Out tab (A), the Stitch Out Screen will appear.

- Embroidery field and position
- Stitches left in color block / Total number of stitches left in design.
By pressing -/+ buttons, stitch will go backward/forward.
Press and hold will increase stepping speed.
- Current color / Total number of colors
By pressing -/+ buttons, color block will go backward/forward.



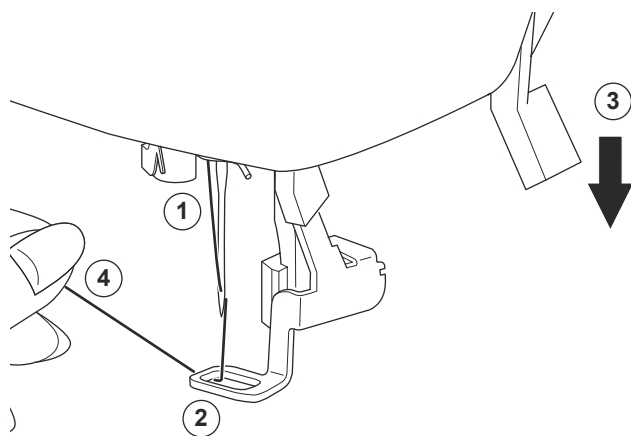
START TO SEW

- Thread the upper thread with the first color.

CAUTION

To avoid injury:
Special care is needed for the needle when changing the upper thread.

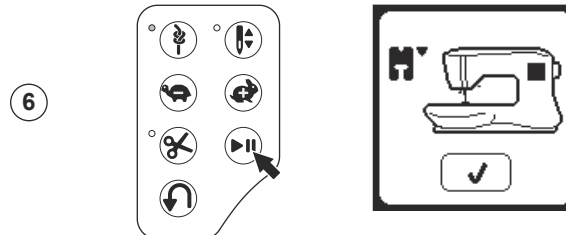
- Pass the upper thread through the hole of the embroidery foot from the top side.
- Lower the presser foot lifter.
- Hold the upper thread.
- Clear sufficient space to accommodate movement of the carriage and the hoop.



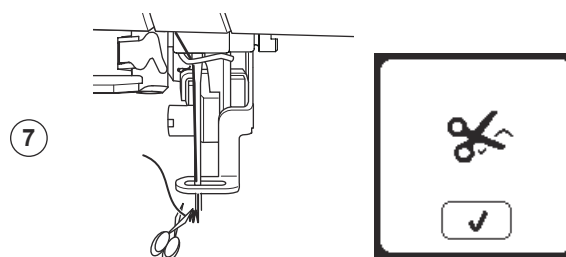
- Press the Start/Stop button.
The machine will start embroidering the first color of the design.

NOTE:

If presser foot lifter is raised at this time, the pop up message will appear. Lower the foot and press the "✓" button.



- When Stop for Cut setting is on, machine stops automatically after few stitches for cut thread end. A pop up appears asking you to cut thread end. Cut thread end and press the "✓" button. Continue embroidering by pressing Start/Stop button.



- When embroidering a color block is completed, machine will stop automatically and cut upper thread. A pop up will appear asking you to change color. Re-thread with the next color and press "✓" button. Continue embroidering by pressing Start/Stop button. Each color segment is tied off at the end and the upper and bobbin threads are cut.



- When the entire embroidery is completed, your machine cuts both threads and stops. A pop-up informs you that your embroidery is finished. Then press "✓" button. Raise the presser foot and remove the hoop.



You can select from 2 different font styles.
See embroidery collection.

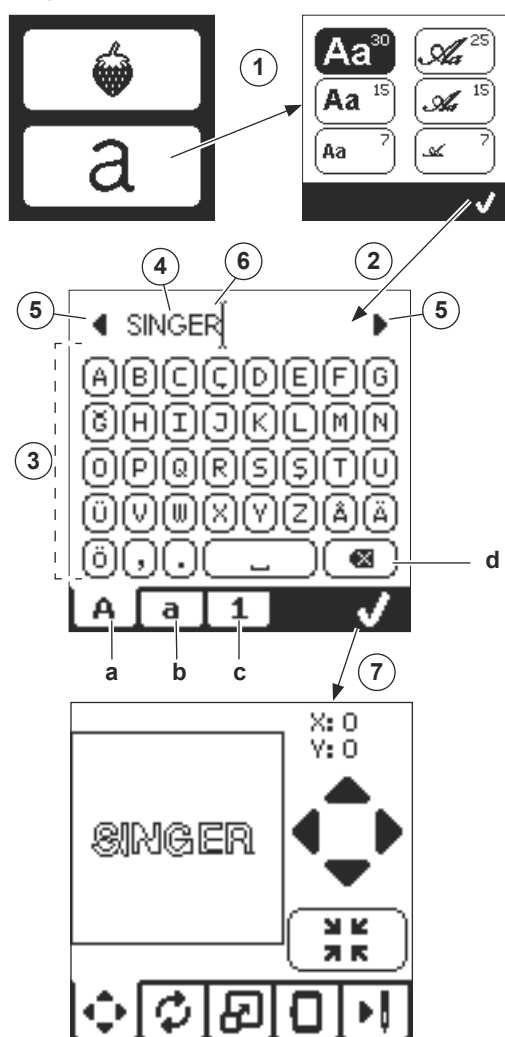
SELECTING EMBROIDERY LETTERS

1. Press the Font button on the Home Screen.
The Font Selection screen will appear.
2. This machine has 2 fonts and each font has 3 sizes.
Press the Font button you want to sew and press the "✓" button.
The uppercase letter screen will appear.
3. Select the letters you want to embroider.
To change to different types of characters, press the tab that contains the desired characters, as follows:
 - a. Uppercase letters
 - b. Lowercase letters
 - c. Numeric letters and special letters
4. Selected letter will be added to the top line.
5. The arrow buttons on top line will move the cursor.
6. To insert a letter at any desired position, move the cursor to the inserting point and select letter.
To delete the letter, move the cursor to the right side of the letter to be deleted, then press the Delete button (d).
7. When sequence of letters is completed, press the "✓" mark.
The Stitch Out Screen will appear.

NOTE:

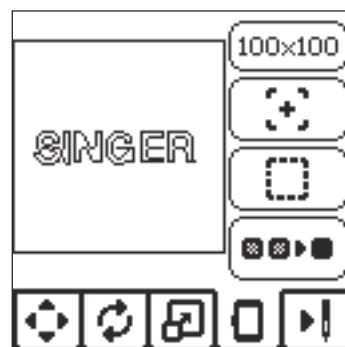
If no letters are selected, the Home Screen will appear.
You can return to letter selecting mode after pressing "✓" mark by pressing Home Button.

You can add letters until largest hoop height (If width of letters exceeds maximum width of hoop, 90 degree rotate automatically).



EDITING EMBROIDERY LETTERS

Lettering can be edited, similar to the way designs can be edited.



STITCHING OUT EMBROIDERY LETTERS

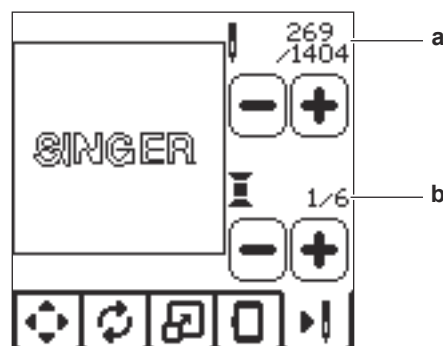
Stitching out embroidery letters works in the same way as stitching out a design.

When stitching lettering, the values appear on screen.

- a. Stitches left in current letter / Total number of stitches left all letters
- b. Current letter / Total number of all letters

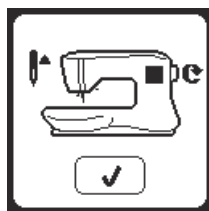
The machine will stitch each letter, cutting the threads between each letter.

NOTE: If desired, you can select the Monochrome function (see page 51) so that all letters will sew without cutting between each letter, cutting only at the end.



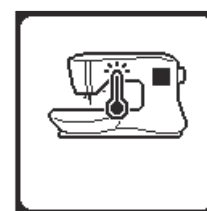
RAISE THE NEEDLE

If the needle is in lowered position and need to be raised before function can be executed, this pop-up message is shown. Raise the needle and press the "✓" button to close the pop-up message.



MAIN MOTOR OVERLOAD

If you are sewing on very heavy fabric or if the machine is blocked when sewing, the main motor can get overloaded and the machine will stop sewing. The pop-up message will close when the main motor and power supply are secure.



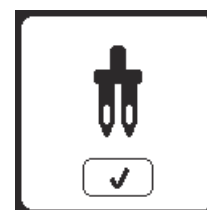
RAISE THE PRESSER FOOT

This pop-up will appear when the function has chosen that the presser foot must be up position. Press the "✓" button and raise the presser foot lifter.



MACHINE SET FOR TWIN NEEDLE

This pop-up message will appear when Twin Needle program is activated. Check the needle and press the "✓" button to continue.



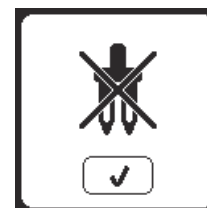
LOWER THE PRESSER FOOT

This pop-up will appear when you start the sewing without lowering the presser foot. Press the "✓" button and lower the presser foot lifter to start to sew.



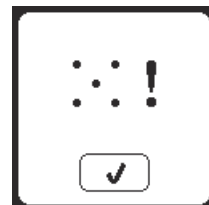
THIS STITCH CANNOT BE SEWN WITH TWIN NEEDLE

This message will appear when a stitch that cannot be used with twin needle, is selected. Press the "✓" button and select another pattern or reset the twin needle program.



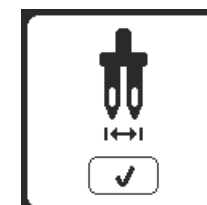
CALIBRATION FAILED

If calibration has not completed correctly, pop-up message will appear. Press the "✓" button and retry the calibration.



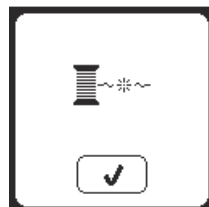
STITCH WIDTH LIMITED FOR TWIN NEEDLE

This message will appear when stitch width is adjusted to the limit. Press the "✓" button to continue.



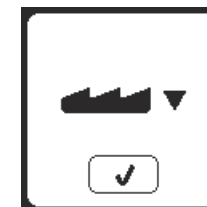
UPPER THREAD BREAKAGE

When the upper thread breaks or runs out, this pop-up will appear and sewing will stop. Re-thread the upper thread and press "✓" button. Go back 3-4 stitches backward from broken point by pressing "-" at sewing screen. Press the Start/Stop button to restart sewing.



LOWER THE DROP FEED LEVER

When sewing on the button, this pop-up will appear. Lower the Drop Feed Lever and press the "✓" button to continue.



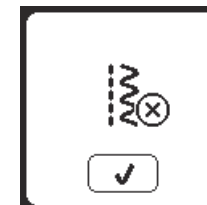
THREAD JAM

If upper or bobbin thread is jammed under the needle plate, machine will stop and pop-up this message. Remove the hoop and needle plate (see next page) Remove the thread jam and reset needle plate. Press the "✓" button.



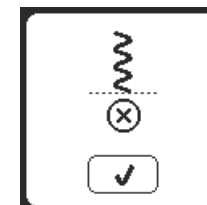
THIS STITCH CANNOT COMBINE

Some patterns may not combine into the sequence. If you select a pattern that cannot be combined, a message will appear on screen to alert you of this. Press the "✓" button.



PROGRAM TOO LONG TO ADD MORE STITCHES

The sequence can contain a maximum of 60 patterns and letters. Message will appear when you came to the limit. Press the "✓" button.



POP-UP MESSAGES

EN

DELETE PROGRAM

When deleting all patterns, a pop up will appear, press the "✓" button. Machine will delete all selected patterns and letters. To cancel, press the "X" button.



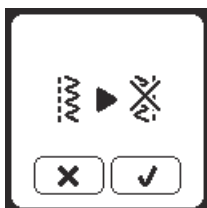
EMBROIDERY TOO LARGE

This pop-up will appear if a design is too large for this machine to read from USB stick.



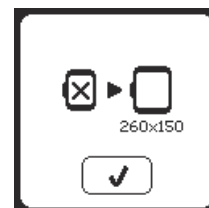
OVERWRITE

If the selected folder has a memorized sequence in it previously, a message will appear asking to rewrite over the previous sequence or not. To rewrite (deleting previous sequence), press the "✓". To cancel (exit), press the "X". The message will disappear.



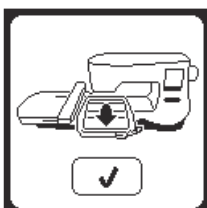
WRONG HOOP TYPE

This pop-up will appear when the selected hoop in the hoop selection list is not the same as the hoop attached to the embroidery unit. Attach the correct hoop type and press the "✓" button.



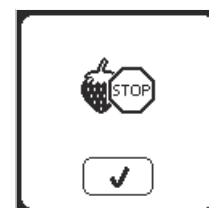
REMOVE THE HOOP

This pop-up will appear when a function has been chosen that the forces the embroidery unit to move outside the limits for the attached hoop. In order for the carriage to move freely, remove the hoop and then press the "✓" button.



STOP COMMAND IN DESIGN

This pop-up will appear when there is a programmed stop in the design. The machine will stop. Press "✓" button to continue embroidering.



CONNECT USB

This pop-up will appear if the USB button is pressed without any USB stick connected or if the USB stick is removed during browsing of the stick or removed when embroidering. Connect USB stick and press the "✓" button.



CUT THREAD END

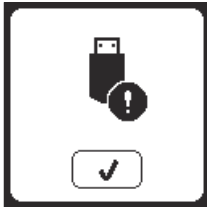
When starting to embroider or after changing the thread, the machine will sew a few stitches and then stop so you can cut the thread end.

Note: This function is cancelled if "Stop For Cut" is disabled in the SET Menu, see page 44.



THE DATA ON THE USB STICK CANNOT BE READ

This pop-up will appear when your embroidery machine cannot access the information on the USB stick. This can be caused by wrong file formats on the USB stick, the USB stick could be damaged or you might be using a USB stick that is non-compatible with this machine.



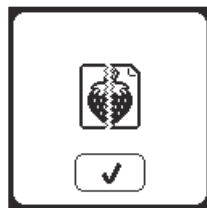
CHANGE THREAD COLOR

When embroidering a color block is completed, machine will stop automatically and cut both threads. A pop up will appears asking you to change color. Re-thread with the next color and press "✓" button.



CORRUPTED DATA

This pop-up will appear when the content of the USB memory is corrupted and cannot be read correctly.



EMBROIDERY FINISHED

When the entire embroidery is completed, your machine cuts both threads and stops. A pop-up informs you that your embroidery is finished. Then press "✓" button.



⚠ DANGER

To reduce the risk of electric shock, disconnect the power line plug from the electric outlet before carrying out any maintenance.

CLEANING

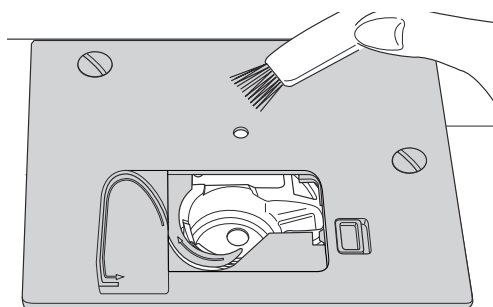
If lint and bits of thread accumulate in the hook, this will interfere with the smooth operation of the machine. Check regularly and clean the stitching mechanism as needed.

NOTE:

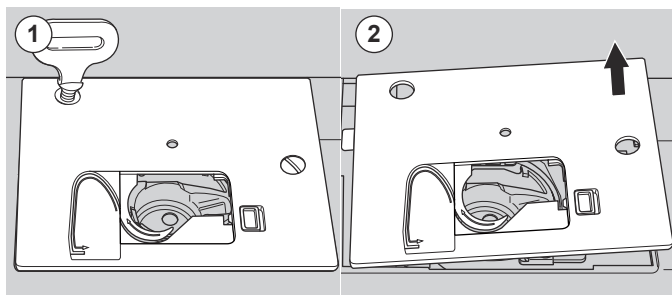
- * An LED lamp is used to illuminate the stitching area. It does not require replacement. In the unlikely event it does not light up, call your authorized SINGER retailer for service.
- * There is no need to lubricate this machine.

BOBBIN HOLDER

Remove the bobbin cover and bobbin.
Clean the bobbin holder with a brush.

**HOOK RACE AND FEED DOG**

1. Remove the needle, presser foot and holder. Remove the bobbin cover and bobbin. Remove the screws holding the needle plate.
2. Remove the needle plate by lifting up the right side of the plate.

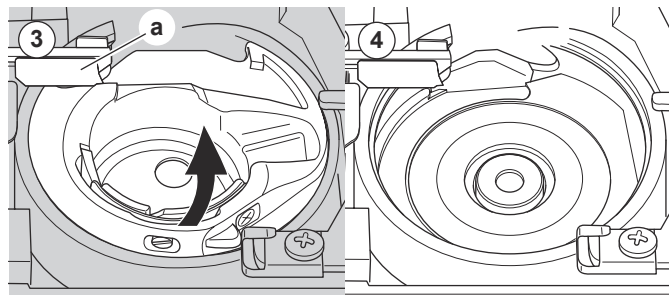


3. Lift up the bobbin holder and remove it.

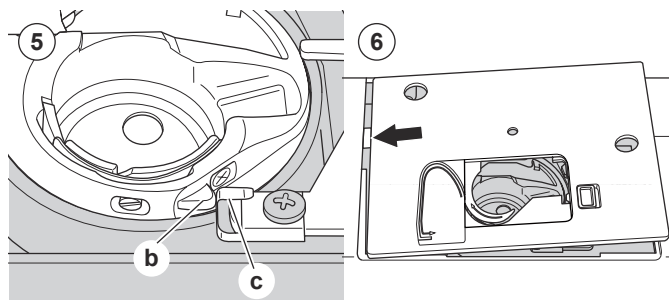
⚠ CAUTION

To prevent accidents, do not touch the thread cutter unit (a).

4. Clean the hook race, feed dogs and bobbin holder with a brush. Also clean them, using a soft, dry cloth.



5. Replace the bobbin holder into the hook race so that the tip (b) fits to the stopper (c) as shown.
6. Replace the needle plate inserting the hook into the machine.
Replace the screws and tighten.



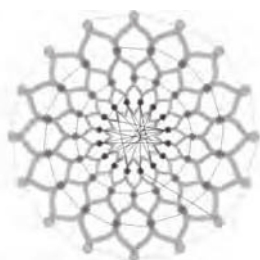
HELPFUL HINTS

EN

PROBLEM	CAUSE	CORRECTION	Page
Upper thread breaks	Machine not properly threaded. Thread entwined around bobbin. Needle inserted incorrectly. Thread tension too tight. Thread of incorrect size or poor quality.	Re-thread machine. Remove entwined thread. Re-insert needle. Readjust thread tension. Choose correct thread.	19 18 9 14,43 9,45
Lower thread breaks	Bobbin threaded incorrectly. Bobbin wound unevenly or too full. Dirt or lint in the bobbin holder.	Re-thread the bobbin. Rewind the bobbin. Clean the holder.	18 17 56
Machine skips stitches	Needle inserted incorrectly. Bent or blunt needle. Incorrect size of needle. (on stretch fabric)	Re-insert needle. Insert new needle. Choose correct size needle for fabric. (use stretch needle)	9 9 9,45
Fabric puckers	Machine not properly threaded. Bobbin threaded incorrectly. Blunt needle. Thread tension too tight. Design too dense for fabric being embroidered. Insufficient stabilizer.	Re-thread machine. Re-thread the bobbin. Insert new needle. Readjust thread tension. Select less dense design for fabric, or change fabric type. Use proper stabilizer for fabric being embroidered.	19 18 9 14,43 48 45
Machine makes loose stitches or loops	Bobbin threaded incorrectly. Machine not properly threaded. Tension not adjusted properly.	Re-thread the bobbin. Re-thread machine. Readjust thread tension.	18 19 14,43
Stitch pattern is distorted	Presser foot is not suited for the pattern. Hoop or carriage is interfered. Thread tension is not balanced. Insufficient stabilizer.	Attach correct foot. Remove obstruction. Adjust the thread tension. Use proper stabilizer for fabric being embroidered.	8 52 14,43 45
Threader does not thread to needle eye	Needle is not raised to highest position. Needle inserted incorrectly. Bent needle.	Raise the needle. Re-insert needle. Insert new needle.	20 9 9
Machine does not feed properly	Feed dogs are lowered. Stitch length not suitable for fabric. Lint and dust accumulated around feed dog.	Raise the feed dogs. Regulate stitch length. Clean the feed dog area.	12 14 56
Needle breaks	Fabric pulled while sewing. Needle is hitting the presser foot. Needle inserted incorrectly. Incorrect size needle or thread for fabric being sewn.	Do not pull fabric. Select correct foot and pattern. Re-insert needle. Choose correct size needle and thread.	21 24- 9 9,45
Machine runs with difficulty	Dirt or lint accumulated in the hook race and feed dog.	Remove the needle plate and bobbin holder and clean the hook race.	56
Machine will not run	Cord not plugged into electrical outlet. Power switch is not turned on. Presser foot is not lowered.	Insert plug fully into outlet. Turn on the switch. Lower the foot.	10 10 11

Rated voltage	100–240V ~ 50–60Hz
Nominal consumption	55W
Light	LED
Sewing speed	800 rpm maximum
Machine dimensions:	
Length (mm)	241
Width (mm)	512
Height (mm)	310
Net weight (kg)	8.4
Embroidery unit dimensions:	
Length (mm)	470
Width (mm)	506
Height (mm)	127
Net weight (kg)	3.2

- The technical specifications and this Instruction manual can be changed without prior notice.



Design 001
stitches:10669
Dim.:13X13 cm



Design 002
stitches:13842
Dim.:12X12 cm



Design 003
stitches:13895
Dim.:11X11 cm



Design 004
stitches:11578
Dim.:10X10 cm



Design 005
stitches:6550
Dim.:8X8 cm



Design 006
stitches:4451
Dim.:5X8 cm



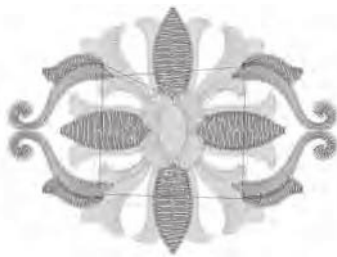
Design 007
stitches:4655
Dim.:8X8 cm



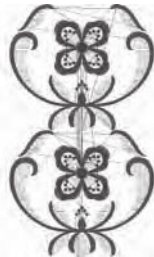
Design 008
stitches:10678
Dim.:10X10 cm



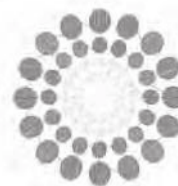
Design 009
stitches:9788
Dim.:9X8 cm



Design 010
stitches:9000
Dim.:9X7 cm



Design 011
stitches:18599
Dim.:15X25 cm



Design 012
stitches:15915
Dim.:11X12 cm



Design 013
stitches:11845
Dim.:11X11 cm



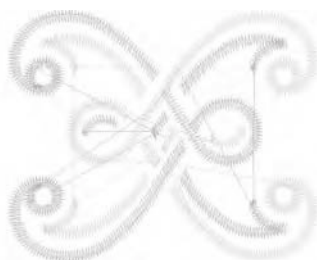
Design 014
stitches:25974
Dim.:11X12 cm



Design 015
stitches:8858
Dim.:8X8 cm



Design 016
stitches:16164
Dim.:14X16 cm



Design 017
stitches:2386
Dim.:4X4 cm



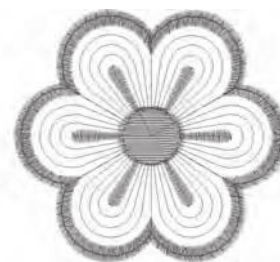
Design 018
stitches:3728
Dim.:6X5 cm



Design 019
stitches:11588
Dim.:8X10 cm



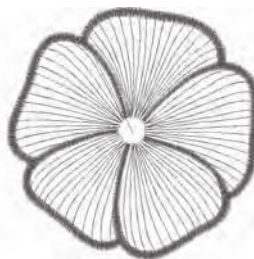
Design 020
stitches:8812
Dim.:10X10 cm



Design 021
stitches:2983
Dim.:6X6 cm



Design 022
stitches:10385
Dim.:10X10 cm



Design 023
stitches:6909
Dim.:10X10 cm



Design 024
stitches:13079
Dim.:11X22 cm



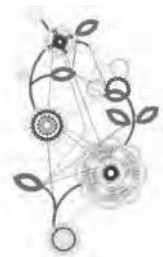
Design 025
stitches:19565
Dim.:12X20 cm



Design 026
stitches:10626
Dim.:11X23 cm



Design 027
stitches:18904
Dim.:9X23 cm



Design 028
stitches:15284
Dim.:13X23 cm



Design 029
stitches:8073
Dim.:9X9 cm



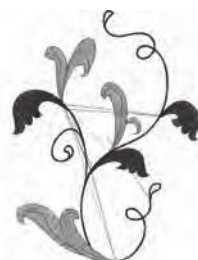
Design 030
stitches:16670
Dim.:14X23 cm



Design 031
stitches:4536
Dim.:10X10 cm



Design 032
stitches:6953
Dim.:14X13 cm



Design 033
stitches:11737
Dim.:14X18 cm



Design 034
stitches:8683
Dim.:14X18 cm



Design 035
stitches:12848
Dim.:9X21 cm



Design 036
stitches:39750
Dim.:15X22 cm



Design 037
stitches:8963
Dim.:14X22 cm



Design 038
stitches:5718
Dim.:10X8 cm



Design 039
stitches:10431
Dim.:8X17 cm



Design 040
stitches:11607
Dim.:10X17 cm



Design 041
stitches:6009
Dim.:8X16 cm



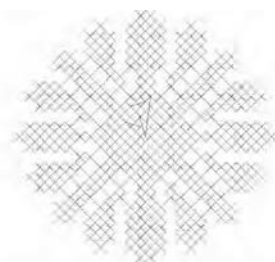
Design 042
stitches:8161
Dim.:8X16 cm



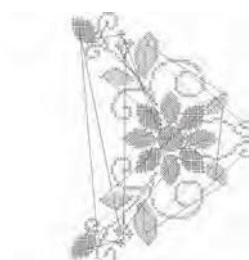
Design 043
stitches:2946
Dim.:14X19 cm



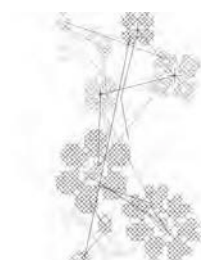
Design 044
stitches:7202
Dim.:15X20 cm



Design 045
stitches:2807
Dim.:5X4 cm



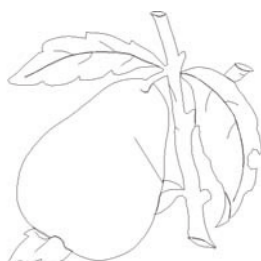
Design 046
stitches:11642
Dim.:15X20 cm



Design 047
stitches:4816
Dim.:8X14 cm



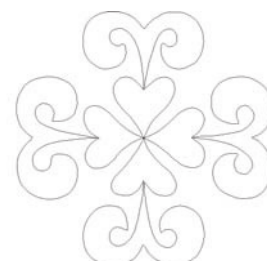
Design 048
stitches:1668
Dim.:8X8 cm



Design 049
stitches:1634
Dim.:9X9 cm



Design 050
stitches:1943
Dim.:10X9 cm



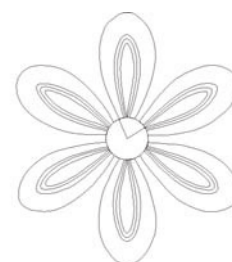
Design 051
stitches:851
Dim.:15X14 cm



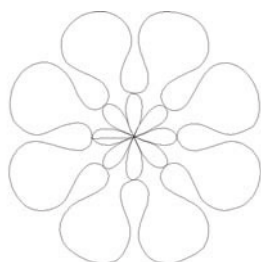
Design 052
stitches:835
Dim.:15X15 cm



Design 053
stitches:1474
Dim.:15X15 cm



Design 054
stitches:1373
Dim.:13X15 cm



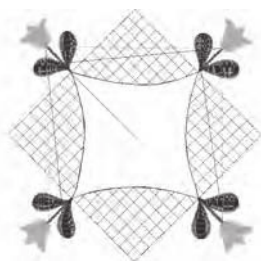
Design 055
stitches:813
Dim.:14X15 cm



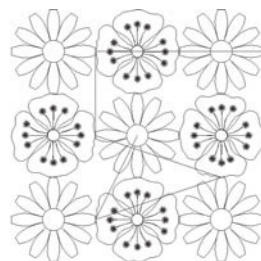
Design 056
stitches:11422
Dim.:13X15 cm



Design 057
stitches:11744
Dim.:15X14 cm



Design 058
stitches:6665
Dim.:15X15 cm



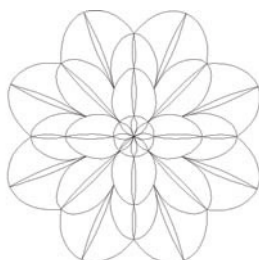
Design 059
stitches:5089
Dim.:14X14 cm



Design 060
stitches:5456
Dim.:14X14 cm



Design 061
stitches:1665
Dim.:10X10 cm



Design 062
stitches:2015
Dim.:9X9 cm



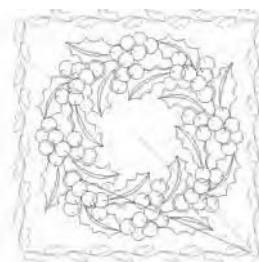
Design 063
stitches:2766
Dim.: 9X9 cm



Design 064
stitches:3300
Dim.:14X14 cm



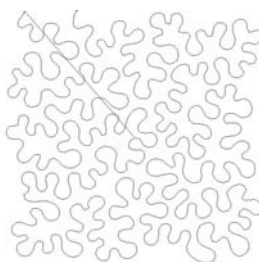
Design 065
stitches:2246
Dim.:10X9 cm



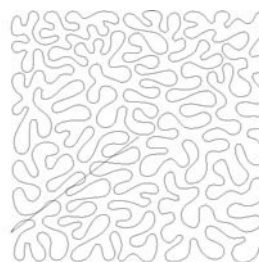
Design 066
stitches:7029
Dim.:14X14 cm



Design 067
stitches:1873
Dim.: 9X9 cm



Design 068
stitches:4844
Dim.:15X15 cm



Design 069
stitches:6292
Dim.:15X15 cm



Design 070
stitches:1786
Dim.:8X8 cm



Design 071
stitches:3027
Dim.:9X6 cm



Design 072
stitches:7378
Dim.:9X10 cm



Design 073
stitches:1677
Dim.:9X8 cm



Design 074
stitches:4718
Dim.:10X8 cm



Design 075
stitches:3189
Dim.:9X8 cm



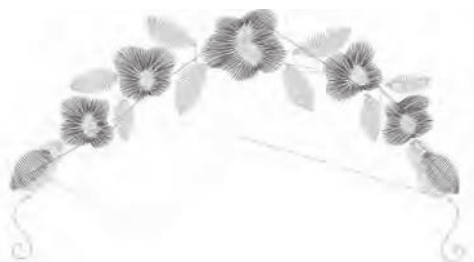
Design 076
stitches:4979
Dim.:9X8 cm



Design 077
stitches:3955
Dim.:9X6 cm



Design 078
stitches:8102
Dim.:9X9 cm



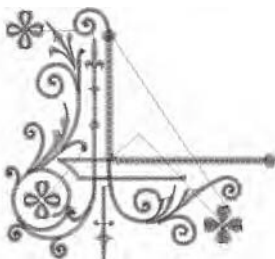
Design 079
stitches:2198
Dim.:8X5 cm



Design 080
stitches:5424
Dim.:9X9 cm



Design 081
stitches:3619
Dim.:8X8 cm



Design 082
stitches:5284
Dim.:8X8 cm



Design 083
stitches:5569
Dim.:8X9 cm



Design 084
stitches:32729
Dim.:15X17 cm



Design 085
stitches:5939
Dim.:8X8 cm



Design 086
stitches:3714
Dim.:5X6 cm



Design 087
stitches:1658
Dim.:4X5 cm



Design 088
stitches:3593
Dim.:5X6 cm



Design 089
stitches:3627
Dim.:7X15 cm



Design 090
stitches:2344
Dim.:3X16 cm



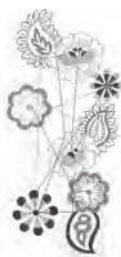
Design 091
stitches:18487
Dim.:14X14 cm



Design 092
stitches:14250
Dim.:14X13 cm



Design 093
stitches:19492
Dim.:11X15 cm



Design 094
stitches:9809
Dim.:8X17 cm



Design 095
stitches:9696
Dim.:9X17 cm



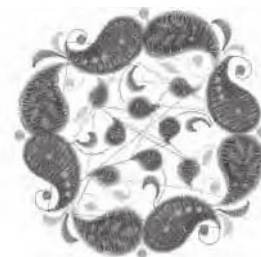
Design 096
stitches:7729
Dim.:8X8 cm



Design 097
stitches:7138
Dim.:7X6 cm



Design 098
stitches:13032
Dim.:7X7 cm



Design 099
stitches:15956
Dim.:9X9 cm



Design 100
stitches:3213
Dim.:2X14 cm



Design 101
stitches:3878
Dim.:6X16 cm



Design 102
stitches:3873
Dim.:8X8 cm



Design 103
stitches:1690
Dim.:6X5 cm



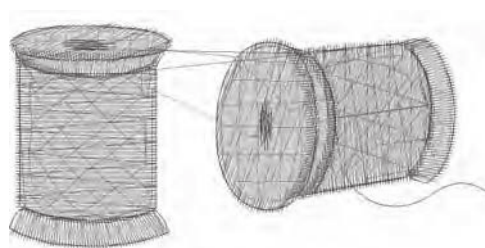
Design 104
stitches:1063
Dim.:2X4 cm



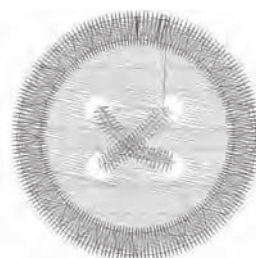
Design 105
stitches:957
Dim.:3X4 cm



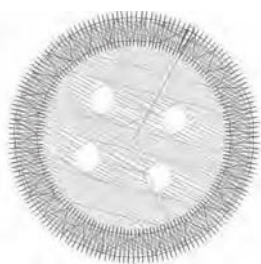
Design 106
stitches:11877
Dim.:9X9 cm



Design 107
stitches:3046
Dim.:6X3 cm



Design 108
stitches:1527
Dim.:3X3 cm



Design 109
stitches:1118
Dim.:2X2 cm



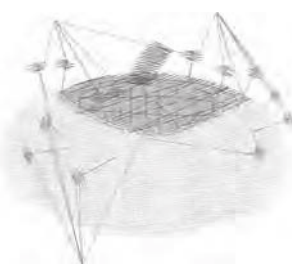
Design 110
stitches:1887
Dim.:2X8 cm



Design 111
stitches:3562
Dim.:3X9 cm



Design 112
stitches:1914
Dim.:5X7 cm



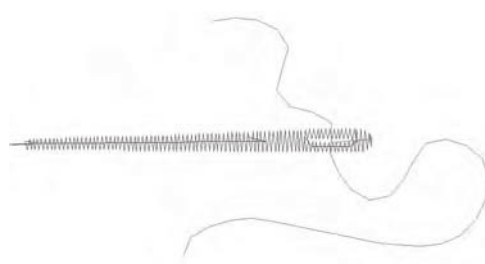
Design 113
stitches:3962
Dim.:5X4 cm



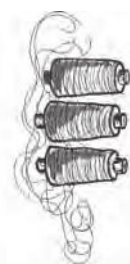
Design 114
stitches:2898
Dim.:5X5 cm



Design 115
stitches:1486
Dim.:4X6 cm



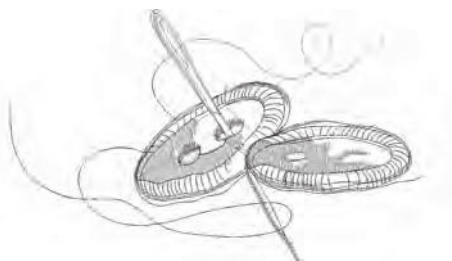
Design 116
stitches:305
Dim.:4X2 cm



Design 117
stitches:6631
Dim.:6X14 cm



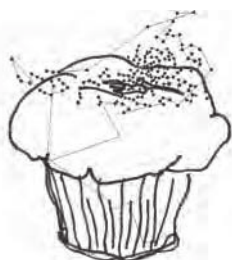
Design 118
stitches:4635
Dim.:5X11 cm



Design 119
stitches:2829
Dim.:9X5 cm



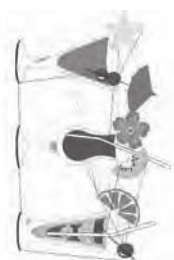
Design 120
stitches:6835
Dim.:9X18 cm



Design 121
stitches:9219
Dim.:13X14 cm



Design 122
stitches:35046
Dim.:13X21 cm



Design 123
stitches:17232
Dim.:12X20 cm



Design 124
stitches:10269
Dim.:9X13 cm



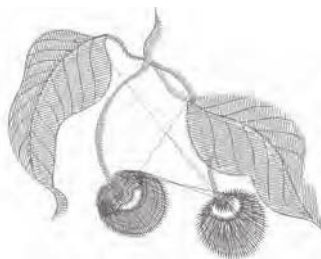
Design 125
stitches:19996
Dim.:7X17 cm



Design 126
stitches:12328
Dim.:6X17 cm



Design 127
stitches:14858
Dim.:9X9 cm



Design 128
stitches:3466
Dim.:6X5 cm



Design 129
stitches:18735
Dim.:10X10 cm



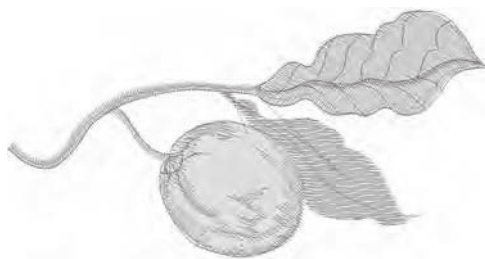
Design 130
stitches:6617
Dim.:9X8 cm



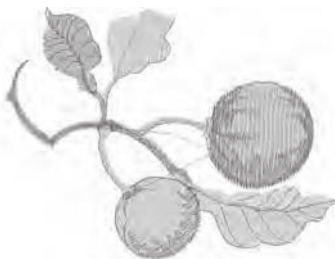
Design 131
stitches:9157
Dim.:8X9 cm



Design 132
stitches:6152
Dim.:9X5 cm



Design 133
stitches:3714
Dim.:10X5 cm



Design 134
stitches:7003
Dim.:10X7 cm



Design 135
stitches:6213
Dim.:9X6 cm



Design 136
stitches:7303
Dim.:8X8 cm



Design 137
stitches:6840
Dim.:10X9 cm



Design 138
stitches:11844
Dim.:9X10 cm



Design 139
stitches:3816
Dim.:7X6 cm



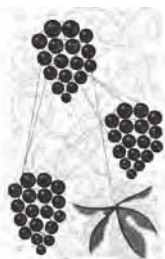
Design 140
stitches:9005
Dim.:9X7 cm



Design 141
stitches:11307
Dim.:7X8 cm



Design 142
stitches:7073
Dim.:9X8 cm



Design 143
stitches:43316
Dim.:14X22 cm



Design 144
stitches:8809
Dim.:9X9 cm



Design 145
stitches:6780
Dim.:7X9 cm



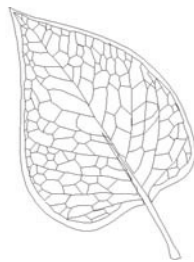
Design 146
stitches:8785
Dim.:9X9 cm



Design 147
stitches:7457
Dim.:6X9 cm



Design 148
stitches:8247
Dim.:6X9 cm



Design 149
stitches:1070
Dim.:4X6 cm



Design 150
stitches:3592
Dim.:6X8 cm



Design 151
stitches:9935
Dim.:7X9 cm



Design 152
stitches:7238
Dim.:9X7 cm



Design 153
stitches:18593
Dim.:8X17 cm



Design 154
stitches:8273
Dim.:6X8 cm



Design 155
stitches:11944
Dim.:8X8 cm



Design 156
stitches:8766
Dim.:6X8 cm



Design 157
stitches:8749
Dim.:9X9 cm



Design 158
stitches:5945
Dim.:6X6 cm



Design 159
stitches:12104
Dim.:9X10 cm



Design 160
stitches:11477
Dim.:7X10 cm



Design 161
stitches:19648
Dim.:13X22 cm



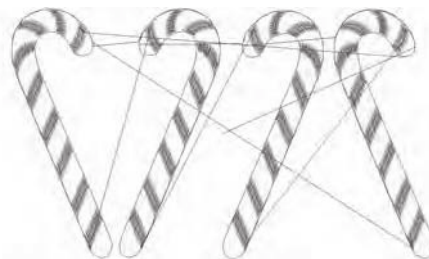
Design 162
stitches:1746
Dim.:7X9 cm



Design 163
stitches:8334
Dim.:12X17 cm



Design 164
stitches:2843
Dim.:3X7 cm



Design 165
stitches:4746
Dim.:10X6 cm



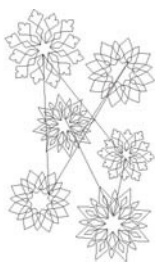
Design 166
stitches:2651
Dim.:9X2 cm



Design 169
stitches:9566
Dim.:5X5 cm



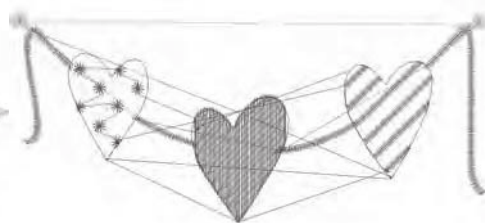
Design 172
stitches:36511
Dim.:14X17 cm



Design 175
stitches:6334
Dim.:10X16 cm



Design 178
stitches:8430
Dim.:7X6 cm



Design 167
stitches:3494
Dim.:9X4 cm



Design 170
stitches:2315
Dim.:4X5 cm



Design 173
stitches:7361
Dim.:6X8 cm



Design 176
stitches:23243
Dim.:10X16 cm



Design 179
stitches:11520
Dim.:5X10 cm



Design 168
stitches:3535
Dim.:9X3 cm



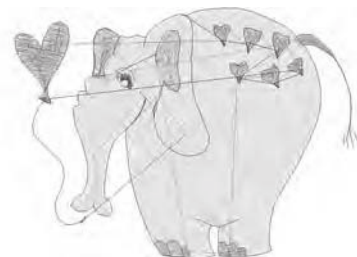
Design 171
stitches:2353
Dim.:5X5 cm



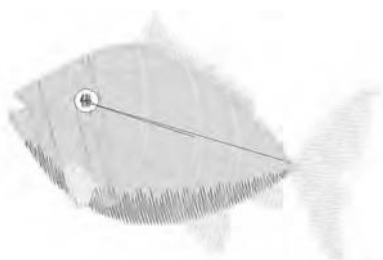
Design 174
stitches:10438
Dim.:6X16 cm



Design 177
stitches:16003
Dim.:7X9 cm



Design 180
stitches:6091
Dim.:8X6 cm



Design 181
stitches:6252
Dim.:9X6 cm



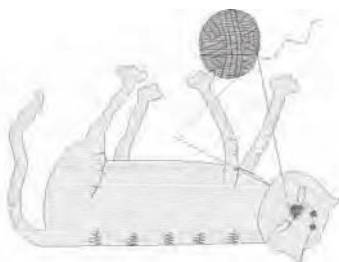
Design 182
stitches:9969
Dim.:7X8 cm



Design 183
stitches:9055
Dim.:7X7 cm



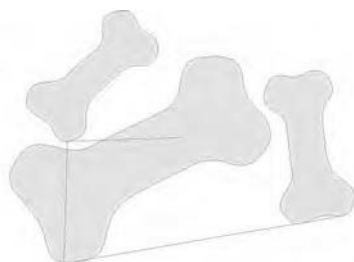
Design 184
stitches:7322
Dim.:8X8 cm



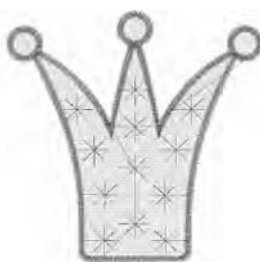
Design 185
stitches:6510
Dim.:9X7 cm



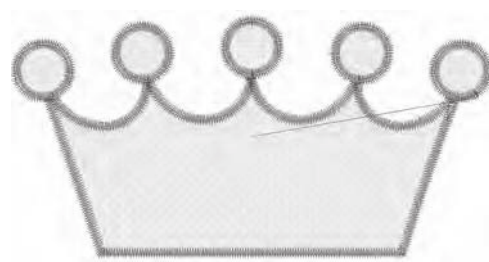
Design 186
stitches:8558
Dim.:9X7 cm



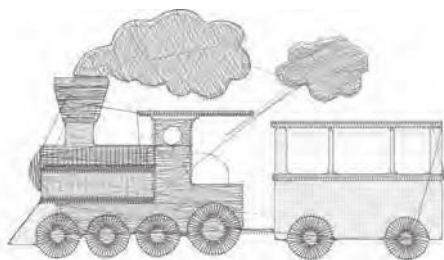
Design 187
stitches:8075
Dim.:12X9 cm



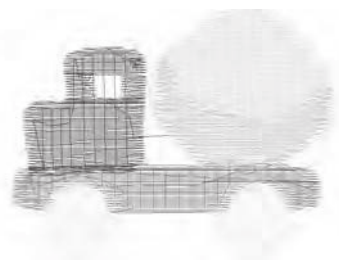
Design 188
stitches:6047
Dim.:6X6 cm



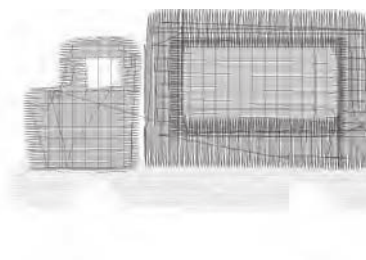
Design 189
stitches:6770
Dim.:8X4 cm



Design 190
stitches:6203
Dim.:6X4 cm



Design 191
stitches:3302
Dim.:5X4 cm



Design 192
stitches:4201
Dim.:6X4 cm



Design 193
stitches:21965
Dim.:7X14 cm



Design 194
stitches:3289
Dim.:9X7 cm



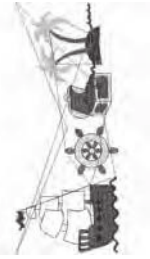
Design 195
stitches:1631
Dim.:4X2 cm



Design 196
stitches:2375
Dim.:3X3 cm



Design 197
stitches:1063
Dim.:2X2 cm



Design 198
stitches:9094
Dim.:6X14 cm

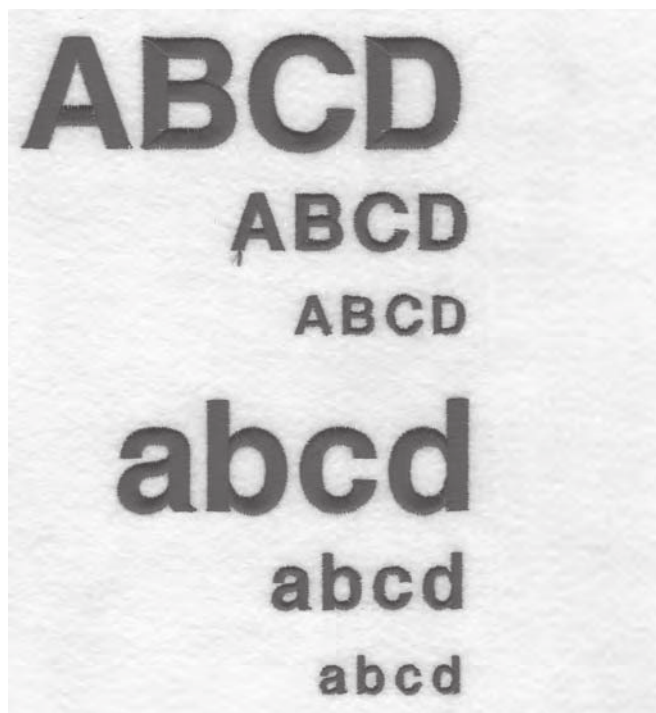


Design 199
stitches:8184
Dim.:4X13 cm

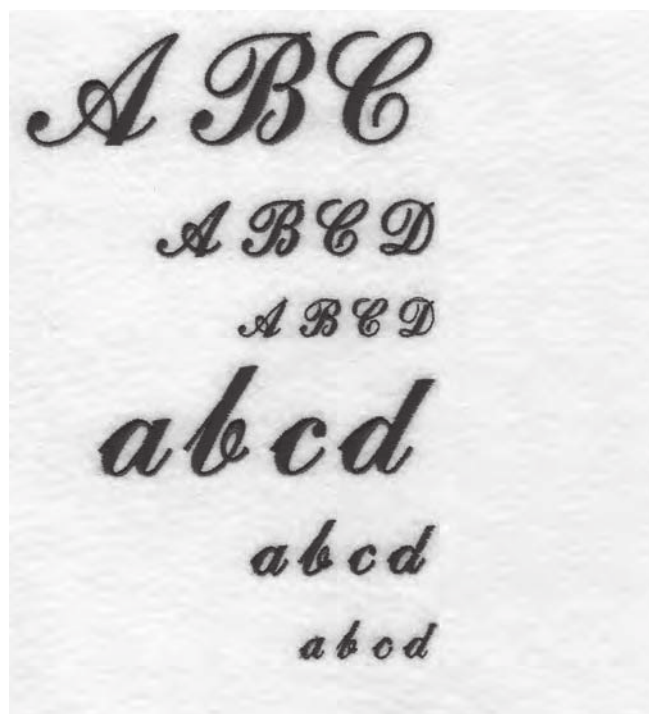


Design 200
stitches:9123
Dim.:10X7 cm

Font 1 : Block
30, 15 and 7 mm



Font 2 : Script
25, 15 and 7 mm



Characters included :

ABCÇDEFGĞHIJKLMNOPQRSŞTUÜVWXYZÅÄÖ,. (SPACE)

abcçdefgğhijklmnopqrsştuüvwxyzåäö,. (space)

1234567890ÆæØøàáëèéêËííóóùúŃñß&?!'@- (space)



Please note that on disposal, this product must be safely recycled in accordance with relevant National legislation relating to electrical/electronic products. Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available.

When replacing old appliances with new ones, the retailer may be legally obligated to take back your old appliance for disposal free of charge.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

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VSM GROUP AB, **SVP Worldwide**
Drottninggatan 2, SE-56184,
Huskvarna, SWEDEN

