

my **BERNINA**

Sewing Machine Workbook 3



Creative Options

For BERNINA 880, 7 Series, 580, 560

(Pages 8 - 12: B 780, 790, 880 only; Pages 13 - 15: B 880 only)

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8 Series

Creative Options



5 Series

BERNINA



7 Series

BERNINA

Welcome to your third and final sewing machine class in the My BERNINA series. By now, you are familiar with the basics of operating your machine and are ready to get into some of the unique features and functions that made you want your model in the first place. The information and stitching exercises in this book address the special features, functions, & techniques you can sew with the BERNINA 560, 580, 7 Series and 880 models.



Opening Screen of Setup Program

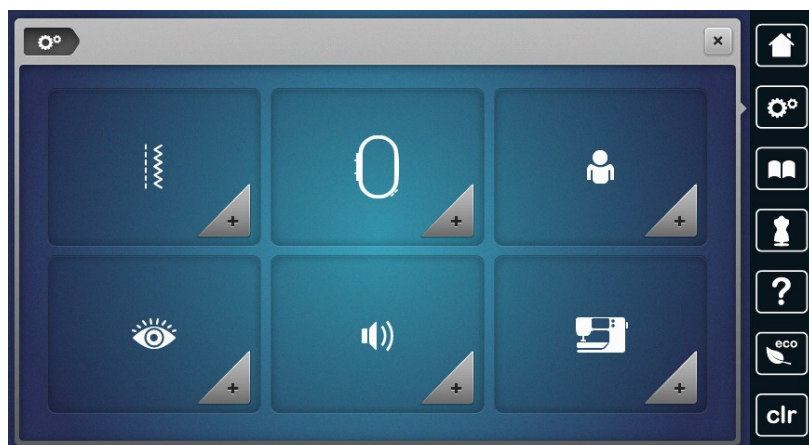
The Setup program allows you to customize the settings of your machine beyond the temporary adjustments that can be made as you sew. The changes made in Setup are saved and will remain until you change them again, even when the machine is turned off or disconnected. Changes made to the factory settings can be easily reset and the machine restored to the original settings by touching the icons shown below for each model.



B 560, 580

B 710 (without embroidery icon)

B 750 QE



B 740 (without embroidery icon)

B 770 QE, 780, 790
















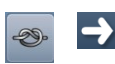






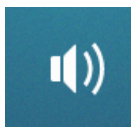

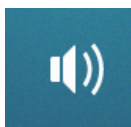

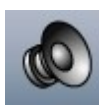











B 880





Frequently Used Setup Functions

The following icons represent the most frequently accessed functions in the Set-up Program. This quick-reference chart will get you to the right place simply by touching the Set-up icon (see above right), & then touching the icons shown below.

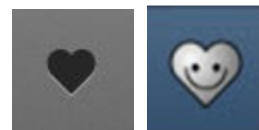
BERNINA	770 QE, 780, 790, 880	750 QE	740	710	560, 580
Wallpaper					
Updating	 		 		
Turn off Security Stitches	 	 	 	 	 
Turn off Alarms					
Hoop Calibration		 	---	---	 
Hover	  	---	  	---	---

Help Function

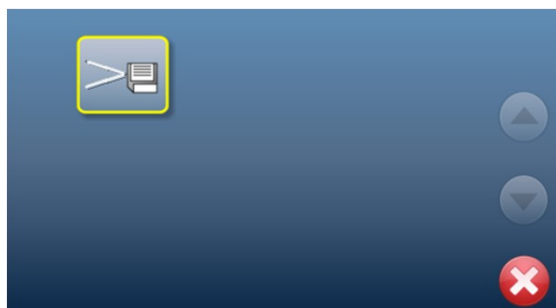
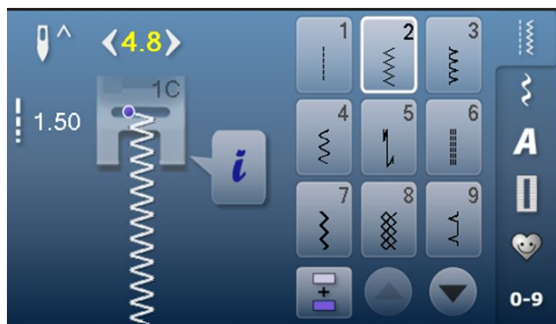
There are other functions that can be set or reset using the Setup Program. Consult the manual and/or the Help feature for more information. Help provides an on-screen explanation of functions, designs, knobs, and status bars. Touch the question mark and then touch the icon that needs explanation.



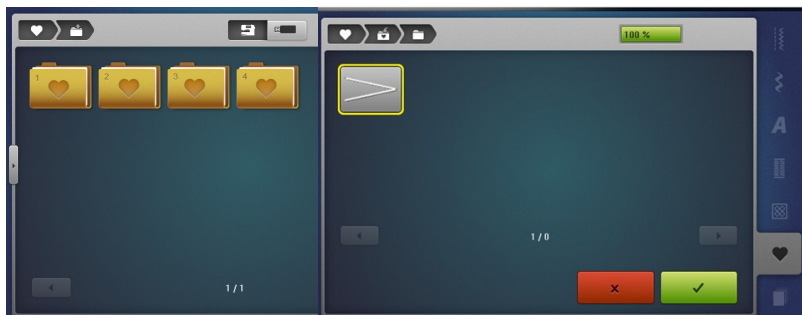
Use the Personal Program to store your favorite stitches, most often used stitches, or a group of stitches needed for a particular technique or project such as the stitch collage shown on the next page.



B 560, 580, 710, 750QE



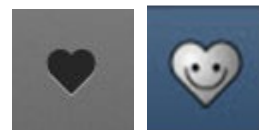
B 740, 770 QE, 780, 790, 880



The BERNINA 560, 580, 710, and 750 QE models are equipped with one Personal Program; the BERNINA 740, 770 QE, 780, 790, and 880 models have four.

Creating a Personal Program

- Select the desired stitch.
- Make any desired altered settings to the Stitch Length/Width.
- Select “i” to make additional changes to settings; close the “i” screen.
- Touch Personal Program:
 - ◇ **B 560, 580, 710, 750 QE:** Select Save Stitch folder (arrow points to inside of folder). Touch stitch with yellow border to add to Personal Program.
 - ◇ **B 740, 770 QE, 780, 790, 880:** Select Save Stitch folder (arrow points to inside of folder); then, select one of the four Personal Program folders. The selected stitch has a yellow border around it. Select Green Check to add to the Personal Program folder.



Fabric: Firm woven fabric, 4" x 6" and Heavyweight tear-away stabilizer, 4" x 6"
Needle: 80/12 Universal
Thread: 30 wt. cotton embroidery
Needle Position: Default
BERNINA Presser Foot: Open Embroidery Foot #20/20C/20D. Sideways Motion Foot #40C for B 780, 790, 880 also.

Creating a Stitch Collage Personal Program

Enter the seven stitches shown below into Personal Program making the indicated alterations.
 Refer to page 5 for instructions on how to save to the Personal Program for your machine model.



Stitch 1: Pattern Repeat 4x
 #159 (B 780, 790, 880)
 #114 (B 560 - 770 QE)



Stitch 2: Pattern Repeat 7x
 #301 (B 560 - 880)



Stitch 3: Pattern Repeat 2x
 #374 (B 580 - 880)



Stitch 4: Pattern Repeat 5x
 #603 (B 560 - 880)



Stitch 5: Pattern Repeat 5x
 #748 (B 560 - 880)



Stitch 6: Pattern Repeat 3x
 #814* (B 880, 780)
 #1601* (B 790)
 #738 (B 560 - 770 QE)



Stitch 7: Pattern Repeat 3x
 #1122 (B 880)
 #903 (B 560 - 790)



*Uses Sideways Motion Foot #40C

Stitching a Stitch Collage

- Place stabilizer behind the fabric.
- Select Personal Program > Stitch Pattern Selection Folder.



— **B 560, 580, 710, 750 QE:** Access saved designs.



— **B 740, 770 QE, 780, 790, 880:** Select the one of four folders where stitches were saved.

- Select the stitches as desired and sew them in a random arrangement as desired, using the on-screen recommended presser foot.

SEW-HOW

Do you know how to:

- Add stitches to your Personal Program?
- Delete stitches from Personal Program?
- Access your Personal Program?



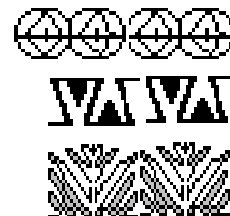
Fabric: Firm woven fabric, 4" x 6" and Heavyweight tear-away stabilizer, 4" x 6"

Needle: 80/12 Universal

Thread: 30 wt. cotton embroidery

Needle Position: Default

BERNINA Presser Foot: Open Embroidery Foot #20/20C/20D



Engaging/Disengaging Long Stitch Function

BERNINA 580, 750 QE, 770 QE, 780, 790, 880:

- Select desired stitch.
- Select "i" and select the Long Stitch icon.
- Sew stitch.
- Deselect the Long Stitch icon to turn off the function.
- Close the "i" screen.
- Select new stitch and continue process.

Long Stitch Exercise

- Place stabilizer behind the fabric.
- **Row #1**
 - Select stitch #615; sew for approximately 2" - 3".
 - Engage the Long Stitch function and sew another 2" - 3".
 - Disengage the Long Stitch function.
- **Row #2**
 - Select stitch #606; sew for approximately 2" - 3".
 - Engage the Long Stitch function and sew another 2" - 3".
 - Disengage the Long Stitch function.
- **Row #3:**
 - *B 780, 790, 880:* Select stitch #655
 - *B 580, 750 QE, 770 QE:* Select stitch #644
 - Sew for approximately 2" - 3".
 - Engage the Long Stitch function and sew another 2" - 3".
 - Disengage the Long Stitch function.



Row #1
Stitch 615

Row #2
Stitch 606

Row #3
Stitch 655/
644

Tips

- Use the Long stitch function with the straight stitch for basting.
- Adjust the straight stitch length to 5mm or 6mm on the B 780, 790 and 880 models; engage the Long Stitch function for the longest straight stitch, about 1¼" long.
- Use the Long stitch function with a triple straight stitch for a beautiful "saddle" stitch for topstitching.

SEW-HOW

Do you know how to:

- Engage the Long Stitch function?
- Use the Long Stitch function for basting and for topstitching?

BERNINA 780, 790, 880 only

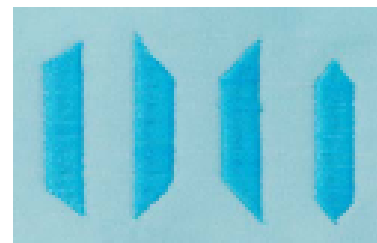
Fabric: Firm fabric, 4" x 6" and Heavyweight tear-away stabilizer, 4" x 6"

Needle: 80/12 Universal

Thread: 30 wt. cotton embroidery

Needle Position: Default

BERNINA Presser Foot: Open Embroidery Foot #20C/20D



Use the Tapering function to taper the end of a line of stitching, create corner accents, and stitch decorative frames and boxes.

- Place stabilizer behind the fabric.
- Select Tapering Decorative Stitch menu #1401.

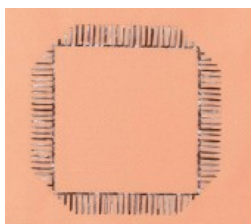
Edge Alignments

- Select the Tapering Stitch #1401 (zigzag/satin stitch); adjust the stitch width to 6mm.
- Stitch four lines of tapered stitching with a different tapering configuration for each. Define the overall length of the taper prior to beginning stitching using the Tapering Length function in ("i") menu; set length to 25 mm. (Quick Reverse can also be used to set the length.)



Decorative Frame

- Select one of the tapering stitches, then your choice of one of the tapering configurations (sample shown is Taper stitch #1414.).
- Select new taper stitch and define length; sew, then pivot, stitch again, pivot and continue until the box shape is formed.



Tips

- Use the Needle Stop Down function for more control as you stop and pivot at the corners.
- Use the Raise Presser Foot button when pivoting your project in the corners of the design.
- Certain tapering stitches are more appropriate for geometric applications.
- Sew a test sample before sewing your project.

SEW-HOW

Do you know how to:

- Create a line of tapered stitching?
- Create a square with tapered corners?

BERNINA 780, 790, and 880

The multi-directional stitching feature of the 780, 790, and 880 offers sewing in 360° for single stitches and for stitch combinations.



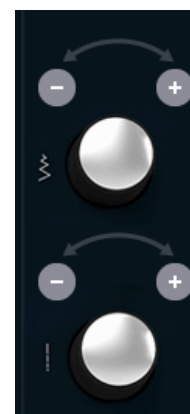
- Select the stitch, then Information (“i”), then the multi-directional icon.
- Rotate the selected stitch in 45° increments by touching one of the direct-selection buttons on the screen (indicated by the red circles in the graphics below).
- Rotate in 0.5° increments by turning the stitch width knob.
- Rotate in 1° increments by turning the stitch length knob.
- The Stitch Altering Area indicates the sewing direction of the stitch and the Start (•) and Stop (+) points of the selected stitch.
- The Multi-directional function only appears if the selected stitch can be sewn in multiple directions.

Keys to Successful Multi-Directional Stitching

- Support fabric with stabilizer.
- Attach Slide-on Table.
- Draw parallel guidelines to aid in visually keeping the fabric straight.
- Use fingertip guiding (lightly holding the fabric without inhibiting or helping it).
- Attach Sideways Motion Foot #40C.



BERNINA
780, 790, 880



stitch width
knob—0.5°

stitch length
knob—1°



BERNINA 780, 790, and 880 only

Fabric: Firm woven fabric, 4" x 8" and Heavyweight tear-away stabilizer, 4" x 8"

Needle: 80/12 Universal

Thread: 30 wt. cotton embroidery

Needle Position: Default

BERNINA Presser Foot: Sideways Motion Foot #40C

Place stabilizer behind fabric; mark parallel guide lines about 1" apart on the fabric as a reference for guiding during the stitching process.

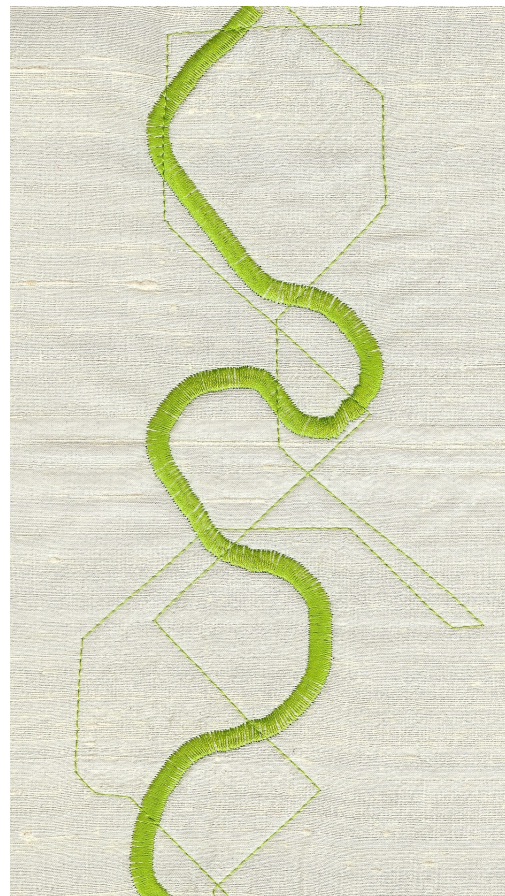
Select the Straight stitch, then select the Multi-Directional Stitching icon (the function only appears if the selected stitch can be sewn in multiple directions).

Select a direction by using the stitch width knob to rotate the stitch pattern in 0.5° steps, the stitch length knob for 1° steps or the direct-selection buttons for rotating in 45° steps for the desired direction. Stitch 1" to 2".

Select a different direction. Stitch a couple inches. Select another direction; stitch. Continue selecting directions and stitching.

Repeat, using a zigzag/satin stitch. Start at the top of the fabric and overlapping the stitching with the previous straight stitching.

Note: The BERNINA 780, 790 and 880 can change directions while stitching; the machine does not have to be stopped first.



SEW-HOW

Do you know how to:

- Access the straight and zigzag stitches for Multi-Directional stitching?

BERNINA 780, 790, and 880 only

Fabric: Firm woven fabric, 4" x 6" and Heavyweight tear-away stabilizer, 4" x 6"

Needle: 80/12 Universal

Thread: 30 wt. cotton embroidery

Needle Position: Default

BERNINA Presser Foot: Sideways Motion Foot #40C



This exercise features an all-over design created by selecting one stitch (#656 is shown in the sample) and changing directions as you sew.

Twisted Scrolls

Place stabilizer behind fabric; mark parallel guide lines about 1" apart on the fabric as a reference for guiding during the stitching process.

Select 225° on the compass, Pattern Repeat 1x and Needle Stop Down. Stitch one stitch pattern and stop; do not remove the fabric.

Select 135° on the compass, leaving Pattern Repeat 1x and Needle Stop Down engaged. Stitch one stitch pattern and stop; do not remove the fabric.

Stitch from one end of the fabric to the other, guiding fabric so that the "+" stays parallel and perpendicular to the presser foot.

Stitch additional rows of this stitch combination, covering the surface of the fabric.

Note: Some adjustments may be necessary depending on the fabric, thread, and stabilizer used to create the stitch sample.

Optional: Create a 4-sided motif by selecting 315° and 45° as the third and fourth sides.



Note: This technique can also be created by importing sewing machine stitches into Embroidery, which will be covered in Workbook 4.



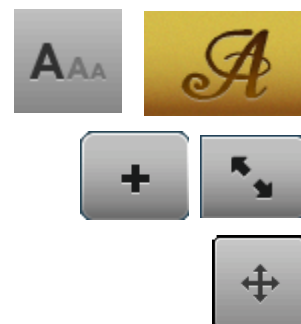
SEW-HOW

Do you know how to:

- Change directions in 45° increments when Multi-Directional stitching?

BERNINA 780, 790, and 880 only

Fabric: Firm woven fabric, 6" x 6" and Heavyweight tear-away stabilizer, 6" x 6"
Needle: 80/12 Universal
Thread: 30 wt. cotton embroidery
Needle Position: Default
BERNINA Presser Foot: Sideways Motion Foot #40C



BERNINA 780, 790 and 880

- Select the Alphabet Category and the Large Monogram.
- Open Combi-Mode.
- Add letter 1; select 'i' and select the middle size monogram.
- Close information and add the next 2 letters (the size is automatically adjusted).
- Select the Editing Stitches icon, and drag and drop the letters into place using your stylus, fingertip or multi-function knobs.
- Close the Editing Stitches screen.
- Select pattern begin, set Pattern Repeat to 1 and stitch.



Stitching the Monogram

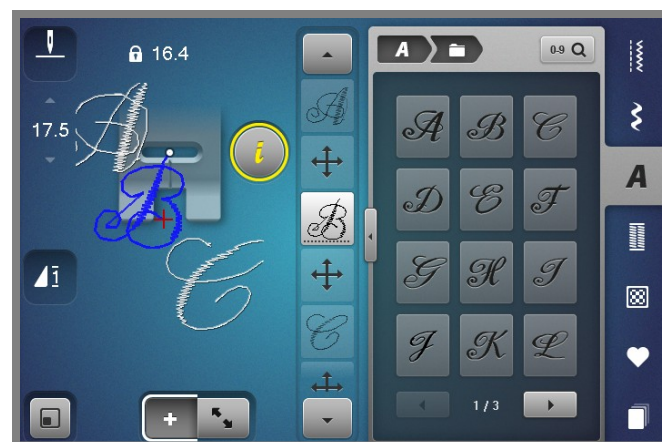
Place stabilizer behind fabric; mark parallel guide lines about 1" apart on the fabric as a reference for guiding during the stitching process.

Position the stabilized fabric under Sideways Motion Foot #40C. Engage Pattern Begin and Pattern Repeat 1x.

As you stitch, guide the fabric, keeping the sides of presser foot parallel to the guiding lines drawn on the fabric. Clip and remove the basting stitches between the monogram letters.

Monogram Sizes

- 1 = 30mm (1.18")
- 2 = 20mm (0.8")
- 3 = 15mm (0.6")



Tips

When sewing Sideways Motion stitches use the slide-on table to increase the sewing surface.

Make sure that the fabric is fed evenly and lightly, ensuring that it cannot push against or catch on anything. It is important to let the sewing computer sew, without pulling, pushing or holding back the fabric.

SEW-HOW

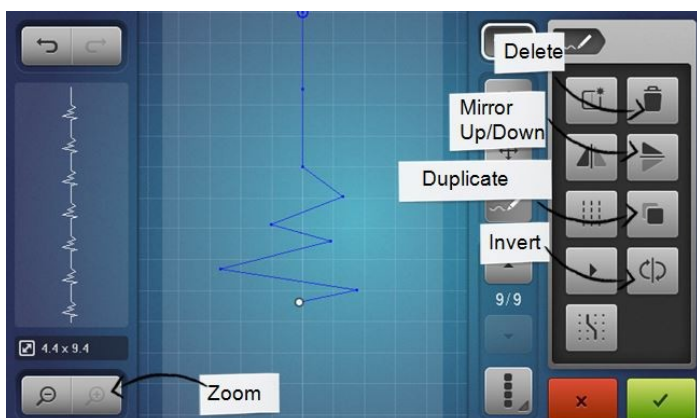
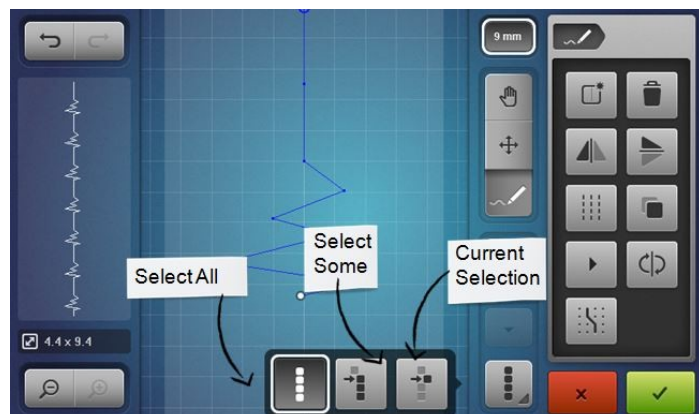
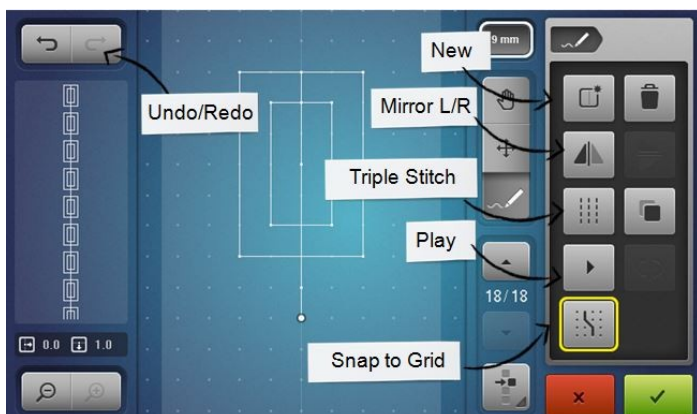
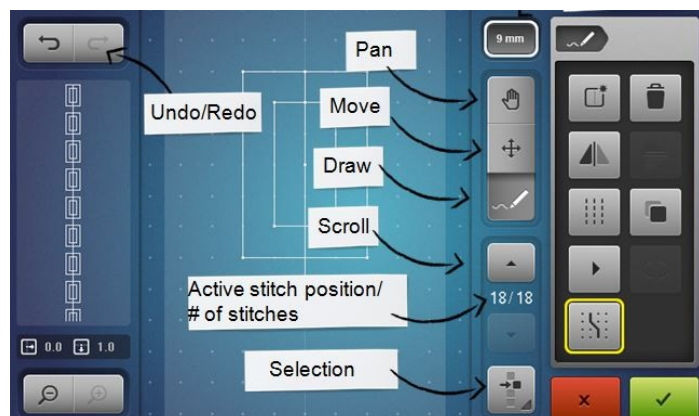
Do you know how to:

- Draw guidelines for directional stitching?
- Find the starting and ending points for the monogram letters?



Stitch Designer Overview

- Exclusive to the BERNINA 790 and 880 ONLY.
- Ability to create your own stitches or modify existing stitches.
- 20 levels of UNDO.
- Created patterns are limited to 2,000 stitches each.
- No width limitation when designing beyond 9 mm.
- Save created stitches to the Personal Program, or sew or embroider them.



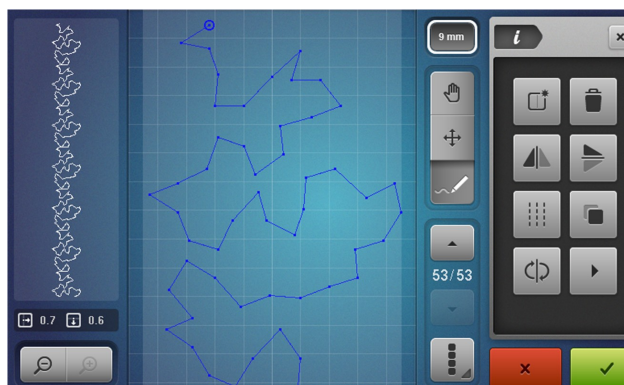
To get started, select the Stitch Designer icon from the sewing screen.



Creating New Stitches - Free-hand Drawing

- Touch the New icon to get a fresh page (pencil icon is the default when entering Stitch Designer).
- With your fingertip or touch pen, free-hand draw on the screen.

Note: The highlighted area is the 9 mm wide. The 9 mm lock icon is activated by default. If you wish to design a stitch wider than 9 mm, de-select the 9 mm lock.

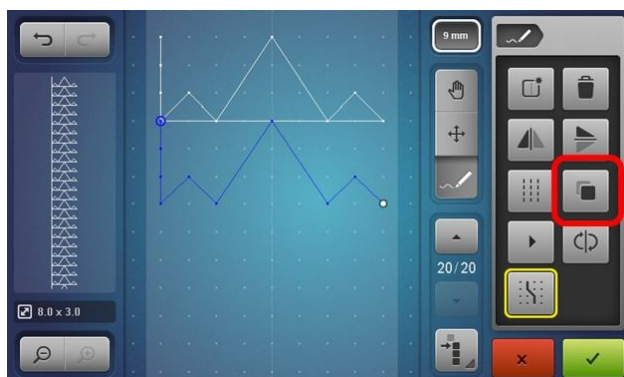


Creating New Stitches - Snap to Grid

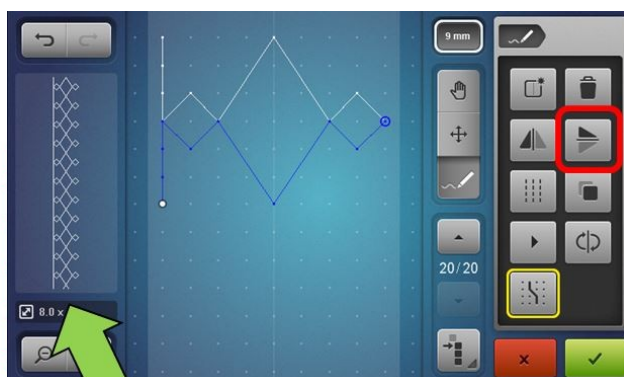
- Select New icon to start another stitch.
- Select snap to grid icon. Snap to Grid makes it easy to align points as stitch points will only fall on a dot (note the grid changed to dots).
- Design stitch by setting points:
 - Click 1 - to begin stitch
 - Click 2 - 3 grids down
 - Click 3 - diagonal line 1 grid up and 1 grid over
 - Click 4 - diagonal line 1 grid down and 1 grid over
 - Click 5 - diagonal line 3 grids up and 2 grids over
 - Click 6 - diagonal line 3 grids down and 2 grids over
 - Click 7 - diagonal line 1 grid up and 1 grid over
 - Click 8 - diagonal line 1 grid down and 1 grid over
 - Stop



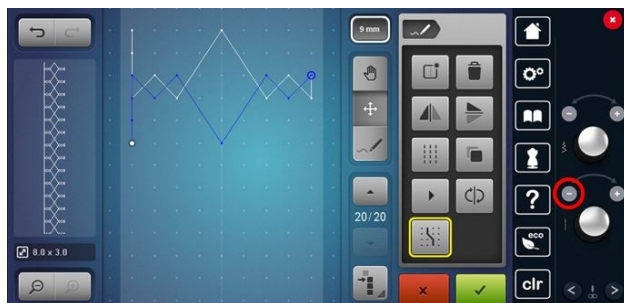
- The Delete icon (Trash Can) deletes the last point, continued selection of the trash deletes points as it backs through the design.
- The Selection icon has a small triangle in the lower right corner. Touch the selection icon and a fly-out menu will appear. Touch the Select All icon. Selected stitches are blue, and the icon changes to the selection choice.



- Select Duplicate to create second pattern.
- Select Mirror Image Up/Down.
- With part of the design still selected, select the Move Icon. Use the Stitch Length knob to move the design to overlap the first part of the design. The Stitch Length knob may also be used to move the design left and right.



- With Snap to Grid engaged, the pattern will snap to a grid position.
- Play Stitch Preview (acts like Slow Redraw).
- Touch the green check to confirm the stitch pattern and return to the sewing screen.



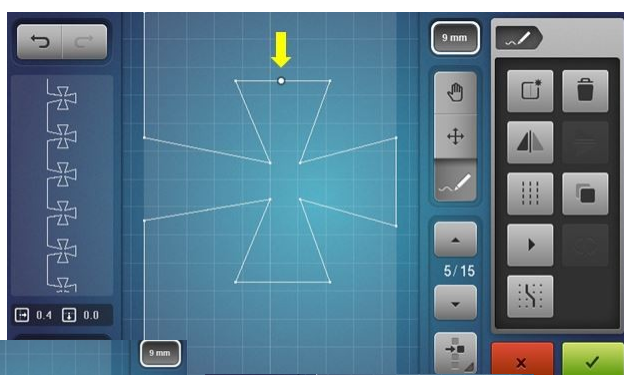
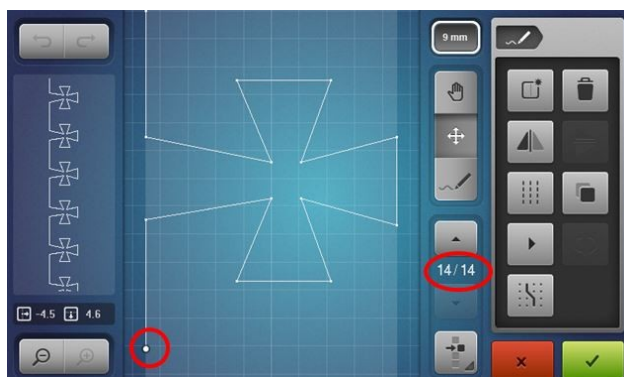
Save the New Stitch to Personal Program

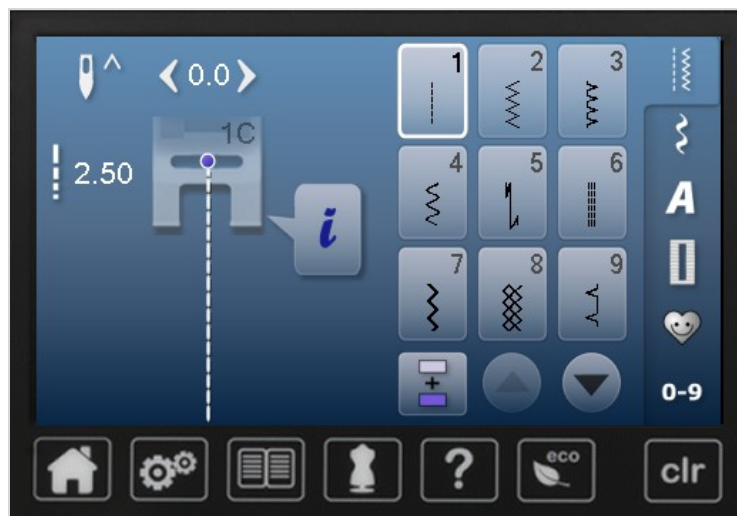
- Touch the Personal Program icon to save the custom stitch pattern.
- Touch the Save To icon (arrow pointing to folder), and choose one of the 4 yellow folders.
- Save by touching the new stitch (outlined in yellow) or touching the green check button.



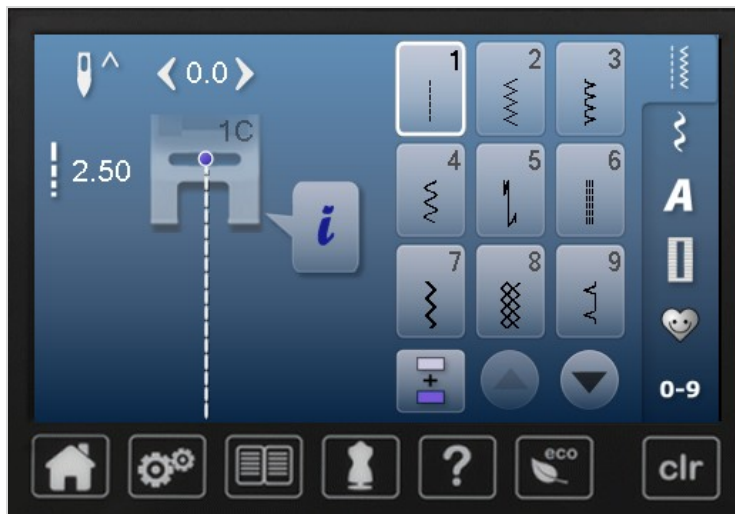
Edit an Existing Stitch

- From the Sewing screen, select menu 700 and stitch 736.
- Select Stitch Designer icon.
- To move through a design, locate the current stitch point (indicated by the largest dot and position is indicated by scroll numbers).
- Touch the up and down arrows to move through the stitch pattern point by point. Arrow up to position 4 / 14.
- Select pencil.
- Touch the line in the middle and a stitch is added. If the stitch doesn't go where you want it to, touch Delete (trash can) to remove it.
- Select Move.
- Drag new point in toward the center, or use the stitch length knob to move the new point.
- Repeat this operation on the two remaining sides.
- Select the green check to confirm and sew out or save to Personal Program.

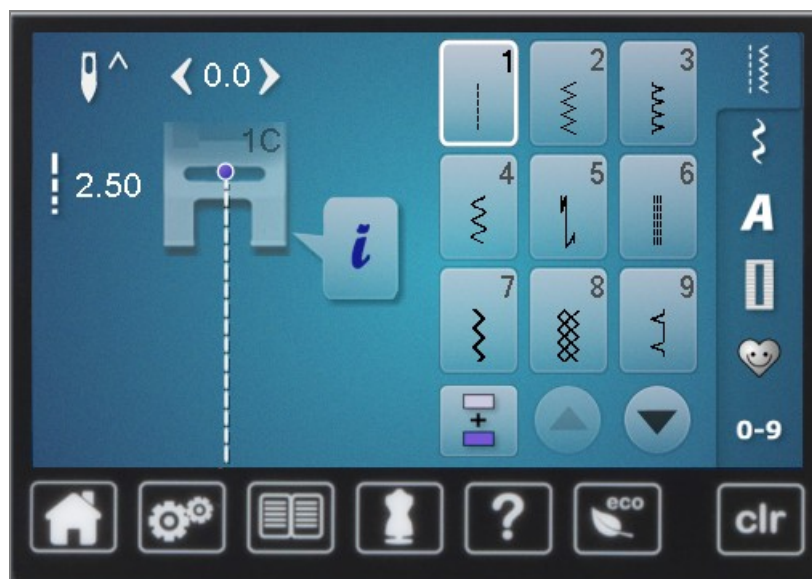




SEWING FUNCTIONS							
	Home		Stitch Selection by Number		Upper Thread Tension		Pattern Begin
	Setup Program		Practical Stitches		Security Program - Needle; Stitch Plate		Pattern Repeat
	Tutorial		Decorative Stitches		Presser Foot Indicator		Mirror Image (Left/Right)
	Creative Consultant		Alphabets		Presser Foot Pressure		Mirror Image (Up/Down)
	Help		Personal Program/Memory		Needle Stop Up/Down - Permanent		Combi-Mode
	Eco		Buttonholes		Needle Stop Up/Down - Temporary		Edit the Complete Combination
	Clear Settings		Direct Entry Buttonhole Length		Programmable Pattern End /Securing		Edit Combination at Cursor Position
	Information		Programmable Buttonhole		Securing		Combination Sub-divider (1)
	Back		Stitch Counter Buttonhole		Needle Position		Combination Sub-divider (2)
	Confirm Selection		Manual Buttonhole		Lettering Size		Balance
	Leave Active Display		Buttonhole Slit Width		Alphabet - Upper/Lower Case		Continuous Reverse
	Delete						

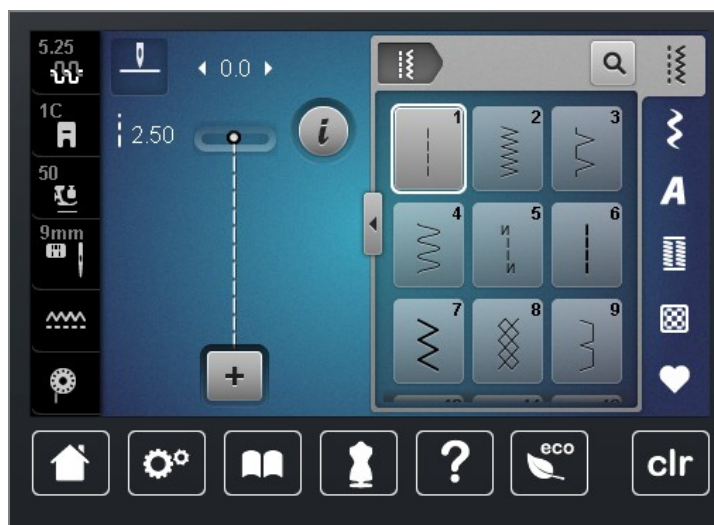


SEWING FUNCTIONS							
	Home		Stitch Selection by Number		Upper Thread Tension		Pattern Begin
	Setup Program		Practical Stitches		Security Program - Needle; Stitch Plate		Pattern Repeat
	Tutorial		Decorative Stitches		Presser Foot Indicator		Alter Pattern Length
	Creative Consultant		Alphabets		Presser Foot Pressure		Mirror Image (Left/Right)
	Help		Personal Program/Memory		Needle Stop Up/Down - Permanent		Mirror Image (Up/Down)
	Eco		Buttonholes		Needle Stop Up/Down - Temporary		Long Stitch
	Clear Settings		Direct Entry Buttonhole Length		Programmable Pattern End /Securing		Combi-Mode
	Information		Programmable Buttonhole		Securing		Edit the Complete Combination
	Back		Stitch Counter Buttonhole		Needle Position		Edit Combination at Cursor Position
	Confirm Selection		Manual Buttonhole		Continuous Reverse		Combination Sub-divider (1)
	Leave Active Display		Buttonhole Slit Width		Lettering Size		Combination Sub-divider (2)
	Delete		Balance		Alphabet - Upper/Lower Case		

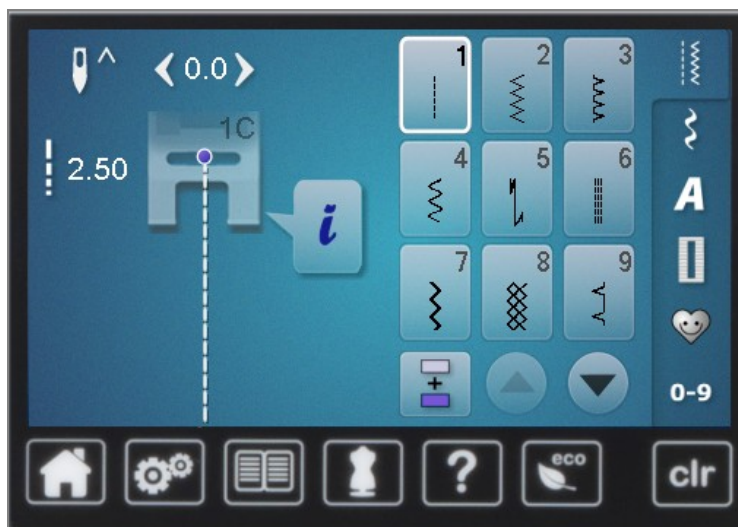


SEWING FUNCTIONS

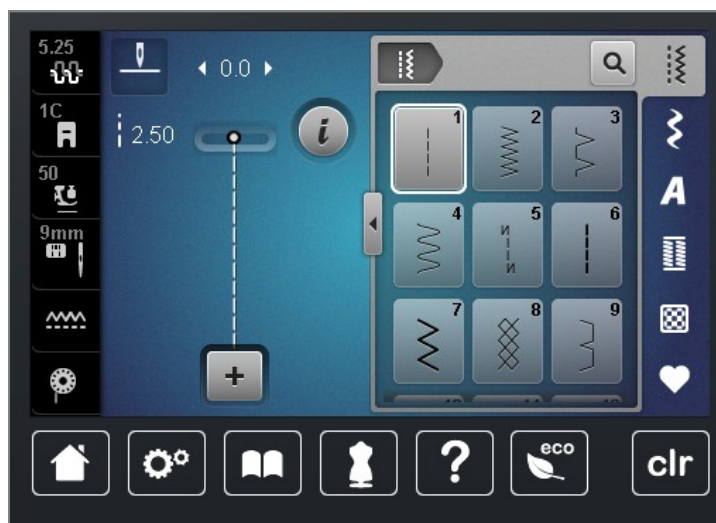
	Home		Stitch Selection by Number		Upper Thread Tension		Pattern Begin
	Setup Program		Practical Stitches		Security Program - Needle; Stitch Plate		Pattern Repeat
	Tutorial		Decorative Stitches		Presser Foot Indicator		Alter Pattern Length
	Creative Consultant		Alphabets		Presser Foot Pressure		Mirror Image (Left/Right)
	Help		Personal Program/Memory		Needle Stop Up/Down - Permanent		Mirror Image (Up/Down)
	Eco		Buttonholes		Needle Stop Up/Down - Temporary		Combi-Mode
	Clear Settings		Direct Entry Buttonhole Length		Programmable Pattern End /Securing		Edit the Complete Combination
	Information		Program Buttonhole Length		Securing		Edit Combination at Cursor Position
	Back		Stitch Counter Buttonhole		Needle Position		Combination Subdivider (1)
	Confirm Selection		Manual Buttonhole		Continuous Reverse		Combination Subdivider (2)
	Leave Active Display		Buttonhole Slit Width		Save Stitch Pattern Setting		Lettering Size
	Delete		Balance		Back to Basic Stitch Setting		Alphabet - Upper/Lower Case



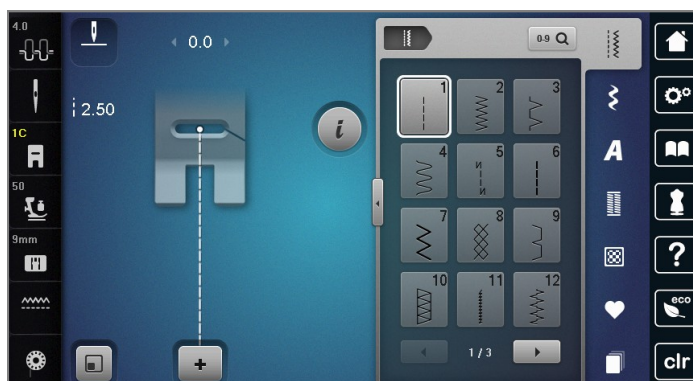
SEWING FUNCTIONS							
	Home		Stitch Selection by Number		Upper Thread Tension		Pattern Repeat
	Setup Program		Practical Stitches		Presser Foot Indicator / Presser Foot Selection		Alter Pattern Length
	Tutorial		Decorative Stitches		Presser Foot Pressure		Mirror Image (Left/Right)
	Creative Consultant		Alphabets		Security Program - Stitch Plate & Needle		Mirror Image (Up/Down)
	Help		Quilting Stitches		Needle Minder		Combi-Mode
	Eco		Personal Program/Memory		Feed Dog Up/Down		Edit the Complete Combination
	Clear Settings		Buttonholes		Filling of Bobbin		Edit Combination at Cursor Position
	Information		Direct Entry Buttonhole Length		Needle Stop Up/Down - Permanent		Combination Sub-divider (1)
	Close		Buttonhole Slit Width		Needle Stop Up/Down - Temporary		Combination Sub-divider (2)
	Confirm Selection		Stitch Counter Buttonhole		Needle Position		Font Size in Alphabet
	Cancel		Manual Buttonhole		Securing		Continuous Reverse Sewing
	Delete		Save Altered Stitch Pattern Setting		Programmable Pattern End /Securing		Backstepping
			Back to Basic Stitch Setting		Pattern Begin		Balance



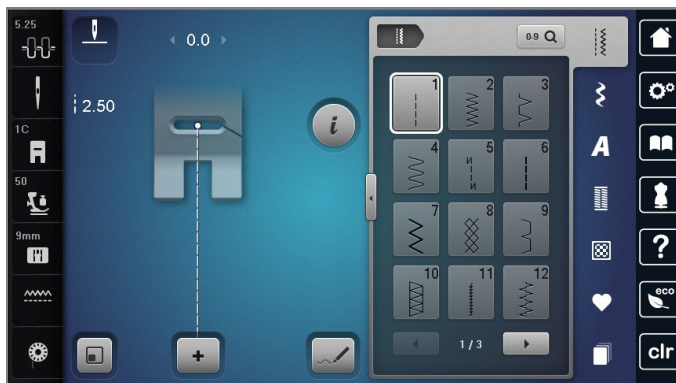
SEWING FUNCTIONS							
	Home		Stitch Selection by Number		Upper Thread Tension		Pattern Begin
	Setup Program		Practical Stitches		Security Program - Needle; Stitch Plate		Pattern Repeat
	Tutorial		Decorative Stitches		Presser Foot Indicator		Alter Pattern Length
	Creative Consultant		Alphabets		Presser Foot Pressure		Mirror Image (Left/Right)
	Help		Personal Program/Memory		Needle Stop Up/Down - Permanent		Mirror Image (Up/Down)
	Eco		Buttonholes		Needle Stop Up/Down - Temporary		Long Stitch
	Clear Settings		Direct Entry Buttonhole Length		Programmable Pattern End /Securing		Combi-Mode
	Information		Programmable Buttonhole		Securing		Edit the Complete Combination
	Back		Stitch Counter Buttonhole		Needle Position		Edit Combination at Cursor Position
	Confirm Selection		Manual Buttonhole		Continuous Reverse		Combination Subdivider (1)
	Leave Active Display		Buttonhole Slit Width		Stitch Counter		Combination Subdivider (2)
	Save Stitch Pattern Setting		Delete		Balance		Lettering Size
	Back to Basic Stitch Setting						Alphabet - Upper/Lower



SEWING FUNCTIONS							
	Home		Stitch Selection by Number		Upper Thread Tension		Pattern Repeat
	Setup Program		Practical Stitches		Presser Foot Indicator / Presser Foot Selection		Alter Pattern Length
	Tutorial		Decorative Stitches		Presser Foot Pressure		Mirror Image (Left/Right)
	Creative Consultant		Alphabets		Security Program - Stitch Plate & Needle		Mirror Image (Up/Down)
	Help		Quilting Stitches		Needle Minder		Combi-Mode
	Eco		Personal Program/Memory		Feed Dog Up/Down		Edit the Complete Combination
	Clear Settings		Buttonholes		Filling of Bobbin		Edit Combination at Cursor Position
	Information		Direct Entry Buttonhole Length		Needle Stop Up/Down - Permanent		Combination Sub-divider (1)
	Close		Buttonhole Slit Width		Needle Stop Up/Down - Temporary		Combination Sub-divider (2)
	Confirm Selection		Stitch Counter Buttonhole		Needle Position		Font Size in Alphabet
	Cancel		Manual Buttonhole		Securing		Long Stitch
	Delete		Continuous Reverse Sewing		Programmable Pattern End /Securing		Stitch Counter
	Save Altered Stitch Pattern Setting		Backstepping		Pattern Begin		Balance
	Back to Basic Stitch Setting						



SEWING FUNCTIONS							
	Home		Stitch Selection by Number		Upper Thread Tension		Pattern Repeat
	Setup Program		Practical Stitches		Security Program - Needle		Alter Pattern Length
	Tutorial		Decorative Stitches		Presser Foot Indicator		Mirror Image (Left/Right)
	Creative Consultant		Alphabets		Presser Foot Pressure		Mirror Image (Up/Down)
	Help		Quilting Stitches		Security Program - Stitch Plate		Multi-directional Sewing
	Eco		Personal Program/Memory		Feed Dog Up/Down		Combi-Mode
	Clear Settings		History		Filling of Bobbin		Editing Mode
	Information		Buttonholes		Stitch Pattern View - Match Size to Display		Edit the Complete Combination
	Back		Direct Entry Buttonhole Length		Needle Stop Up/Down - Permanent		Edit Combination at Cursor Position
	Confirm Selection		Program Buttonhole Length		Needle Stop Up/Down - Temporary		Adjust Width in a Combination
	Leave Active Display		Stitch Counter Buttonhole		Securing		Adjust Length in a Combination
	Delete		Manual Buttonhole		Programmable Pattern End /Securing		Move Stitch Patterns in a Combination
	Save Stitch Pattern Setting		Buttonhole Slit Width		Pattern Begin		Combination Sub-divider (1)
	Back to Basic Stitch Setting		Stitch Counter		Needle Position		Combination Sub-divider (2)
	Continuous Reverse Sewing		Balance		Connecting Stitches		Lettering Size
	Backstepping		Long Stitch		Tapering		Monogram Size



SEWING FUNCTIONS									
	Home		Stitch Selection by Number		Upper Thread Tension			Pattern Repeat	
	Setup Program		Practical Stitches		Security Program - Needle			Alter Pattern Length	
	Tutorial		Decorative Stitches		Needle Minder			Mirror Image (Left/Right)	
	Creative Consultant		Alphabets		Presser Foot Indicator / Presser Foot Selection			Mirror Image (Up/Down)	
	Help		Quilting Stitches		Presser Foot Pressure			Multi-directional Sewing	
	Eco		Personal Program/Memory		Security Program - Stitch Plate			Combi-Mode	
	Clear Settings		History		Feed Dog Up/Down			Editing Mode	
	Information		Buttonholes		Filling of Bobbin			Edit the Complete Combination	
	Back		Direct Entry Buttonhole Length		Stitch Pattern View - Match Size to Display			Edit Combination at Cursor Position	
	Confirm Selection		Program Buttonhole Length		Needle Stop Up/Down - Permanent			Adjust Width in a Combination	
	Leave Active Display		Stitch Counter Buttonhole		Needle Stop Up/Down - Temporary			Adjust Length in a Combination	
	Delete		Manual Buttonhole		Securing			Move Stitch Patterns in a Combination	
	Save Altered Stitch Pattern Setting		Buttonhole Slit Width		Programmable Pattern End /Securing			Combination Sub-divider (1)	
	Back to Basic Stitch Setting		Stitch Counter		Pattern Begin			Combination Sub-divider (2)	
	Continuous Reverse Sewing		Long Stitch		Needle Position			Font Size in Alphabet	
	Backstepping		Tapering		Connecting Stitches			Monogram Size	
	Balance		Stitch Designer						

External Buttons

1. Automatic Threading*
2. Securing Function
3. Needle Up/Down
4. Pattern End*
5. Presser Foot Up/Down
6. Auto Thread Cutter
7. Slide Speed Control
8. Start/Stop/Hover*
9. Backstepping/Quick Reverse



* Illuminated Buttons



SEWING FUNCTIONS									
	Home		Stitch Selection by Number		Upper Thread Tension		Pattern Repeat		
	Setup Program		Practical Stitches		Security Program - Needle. Needle Minder		Alter Pattern Length		
	Tutorial		Decorative Stitches		Presser Foot Indicator / Presser Foot Selection		Mirror Image (Left/Right)		
	Creative Consultant		Alphabets		Presser Foot Pressure		Mirror Image (Up/Down)		
	Help		Quilting Stitches		Security Program - Stitch Plate		Multi-directional Sewing		
	Eco		Personal Program/Memory		Feed Dog Up/Down		Combi-Mode		
	Clear Settings		History		Filling of Bobbin		Editing Mode		
	Information		Buttonholes		Stitch Pattern View - Match Size to Display		Edit the Complete Combination		
	Back		Direct Entry Buttonhole Length		Needle Stop Up/Down - Permanent		Edit Combination at Cursor Position		
	Confirm Selection		Program Buttonhole Length		Needle Stop Up/Down - Temporary		Adjust Width in a Combination		
	Leave Active Display		Stitch Counter Buttonhole		Securing		Adjust Length in a Combination		
	Delete		Manual Buttonhole		Programmable Pattern End /Securing		Move Stitch Patterns in a Combination		
	Save Altered Stitch Pattern Setting		Buttonhole Slit Width		Pattern Begin		Combination Sub-divider (1)		
	Back to Basic Stitch Setting		Stitch Counter		Needle Position		Combination Sub-divider (2)		
	Continuous Reverse Sewing		Balance		Connecting Stitches		Font Size in Alphabet		
	Backstepping		Long Stitch		Tapering		Monogram Size		
	Time/Alarm		Balance BERNINA Dual Feed		Distorting Stitch Patterns		Stitch Designer		

The following features and functions are used in **Workbook 3: Creative Options**.

	8 Series							5 Series	
Feature/ Function	880	790	780	770 QE	750 QE	740	710	560	580
Connecting Stitches	yes	yes	yes		---		---		---
Drag and Drop Editing	yes	yes	yes	yes	—	yes	—	—	—
Long Stitch	yes	yes	yes	yes	yes	—	—	—	yes
Monograms	1 style 3 sizes	1 style 3 sizes	1 style 3 sizes	—	—	—	—	—	---
Multi-Directional Stitching	360 directions	360 directions	360 directions	—	—	—	—	—	---
Needle Stop Up/Down	yes	yes	yes	yes	yes	yes	yes	yes	yes
Personal Program	yes 4 folders	yes 4 folders	yes 4 folders	yes 4 folders	yes	yes 4 folders	yes	yes	yes
Setup Program	yes	yes	yes	Yes	yes	Yes	yes	yes	yes
Tapering Stitches	yes	yes	yes	—	—	—	—	—	---
Stitch Designer	yes	yes	—	—	—	—	—	—	—

The presser feet listed below are included with the purchase of each model as indicated on the chart (-- indicates that the presser foot is not included but may be available as an optional accessory).

	7 Series							5 Series	
Presser Feet	880	790	780	770 QE	750 QE	740	710	580	560
Reverse Pattern Foot #1/1C/1D	1C & 1D	1C & 1D	1C & 1D	1C & 1D	1C & 1D	1C & 1D	1C & 1D	1C	1C
Overlock Foot #2/2A	2A	2A	2A	--	--	--	--	2A	2A
Standard Buttonhole Foot #3/3C	3C	--	--	--	--	--	--	—	—
Auto Buttonhole Foot #3A	3A	3A	3A	3A	3A	3A	3A	3A	3A
Zipper Foot #4/4D	4D	4D	4D	4D	4D	4D	4D	4	4
Blind Hem Foot #5	5	5	5	--	5	--	5	5	5
Jeans Foot #8/8D	--	8D	8D	--	--	--	--	8	--
Button Sew-On Foot #18	18	--	--	--	--	--	--	--	--
Open Embroidery Foot #20/20C/20D	20C	20C	20C	20C	20C	20C	--	20C	20C
Embroidery Foot #26	26	26	26	26 w/emb	26 w/emb	--	--	26	26 w/emb
Patchwork Foot #37/37D or #39/39D	--	--	--	97D	37D	--	--	--	--
Sideways Motion Foot #40C	40C	40C	40C	--	--	--	--	--	--
BERNINA Stitch Regulator #42	42	42	42	42	42	--	--	42	--

C = Feet with sensors that enable 9mm stitching

D = Feet that connect to the Dual Feed system of the machine