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*Acclaim*<sup>TM</sup>

Instruction and  
Reference Guide

Model BLES4



FOR THE LOVE OF SEWING

# "IMPORTANT SAFETY INSTRUCTIONS"

When using overlock machine, basic safety precautions should always be followed, including the following.

Read all instructions before using this overlock machine.

## DANGER- To reduce the risk of electric shock.

1. The overlock machine should never be left unattended when plugged in. Always unplug this overlock machine from the electrical outlet immediately after using and before cleaning.

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

1. Use this overlock machine only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
2. Never operate this overlock 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 overlock machine to the nearest authorized dealer or service center for examination, repair, electrical or mechanical adjustment.
3. Never operate the overlock machine with any air openings blocked. Keep ventilation openings of the overlock machine and foot controller free from the accumulation of lint, dust, and loose cloth.
4. Never drop or insert any object into any opening.
5. Do not use outdoors.
6. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
7. To disconnect, turn the main switch to the symbol "O" position which represents off, then remove plug from outlet.
8. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
9. Keep fingers away from all moving parts. Special care is required around the overlock machine needle.
10. Always use the proper needle plate. The wrong needle plate can cause the needle to break.
11. Do not use bent needles.
12. Do not pull or push fabric while stitching. It may deflect the needle(s) causing it to break.
13. Switch the overlock machine to the symbol "O" position when making any adjustments in the needle area, such as threading needle, changing needle, threading looper, or changing presser foot, and the like.
14. Always unplug the overlock machine from the electrical outlet when removing covers, lubricating, or when making any of the user servicing adjustments mentioned in the instruction manual.
15. Keep fingers away from moving parts, especially the area near the blades.
16. Please note that on disposal, this product must be safely recycled in accordance with relevant National legislation relating to electrical / electronic products. If in doubt please contact your retailer for guidance.
17. 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.
18. Children shall not play with the appliance.
19. Cleaning and user maintenance shall not be made by children without supervision.
20. - Moving Parts- To reduce risk of injury, switch off before servicing.  
CLOSE COVER BEFORE OPERATING MACHINE
21. Do not allow the power cable and controller cable to be scarred, damaged, modified, excessively bent, pulled, twisted, or bundled. If heavy objects are placed on the power cable or it is subjected to heat, it may be damaged, possibly causing fire or electrical shock.



European  
Union only

## "SAVE THESE INSTRUCTIONS"

## "This overlock machine is intended for household use."

# Welcome to the Baby Lock Acclaim

The Baby Lock Acclaim has an exclusive "Thread Delivery System" that eliminates confusing tension adjustments. The Acclaim enables you to accomplish a perfect stitch with any type of thread on any type of fabric. You no longer need to guess at the correct tension adjustments.

The Baby Lock Acclaim serger is equipped with an exclusive Push to Thread "Electronic Revolution Air Threading System".

This means that its not only equipped with the Push to Thread Loopers but also equipped with the Push to Thread Needles.

Your Baby Lock Acclaim is a high-quality, dependable machine. It gives you the ability to seam, overcast and trim all in one operation. Fabrics and threads you previously avoided are now a joy to sew because the Baby Lock Acclaim handles all varieties with equal ease. With the Baby Lock Acclaim your creative options are endless and your time spent serging is more fulfilling and rewarding.

With the "Electronic Air Threading System" all threading areas, including the needles, are a breeze for the Baby Lock Acclaim.

With proper care and maintenance, your Baby Lock Acclaim promises years of high-quality, dependable performance and sewing pleasure. Keep this instruction manual as a step-by-step guide to become familiar with your Baby Lock Acclaim and expand your sewing horizons.

Happy Sewing!

# Table of Contents

<b>OVERVIEW</b>	4
How Your Acclaim Operates	4
Overview of the Acclaim	5
Accessories	6
Needles	7
Thread	7
Optional Accessories	7
Setting Up Your Acclaim	8
Cutting Blade Locking Dial	9
Thread Cutter	9
Presser Foot Pressure Adjustment	9
Snap-On Presser Foot	9
Stitch Length / Rolled Hem	10
Stitch Width	10
Differential Feed	11
Thread Delivery System	12
Stitch Selector Lever	12
Wave/Overlock Selector Lever	12
Upper and Lower Looper Thread Fine-Tuning Knob	12
2-Thread Subsidiary Looper	13
Looper Air Threading System	14
Needle Air Threading System	14
Side Cover	14
Notes	15
<b>THREADING</b>	16
Threading Preparation	16
Threading Your Acclaim	17
Threading Position for Threading	17
Lower Looper	17
Upper Looper	18
Right Needle	19
Left Needle	19
How to Use RevolutionAir Needle Threader	20
Needle Threading Mode	21
RevolutionAir Needle Threading Guide	21
Sewing with fabric	22
Clearing the Stitch Width Fingers	22
Re-threading Loopers	23
Re-threading Needles	23
<b>4-THREAD OVERLOCK</b>	24
4-Thread Overedging	24
Overlock Seam	24
4-Thread Overlock	25
<b>3-THREAD OVERLOCK</b>	26
3-Thread Overlock - Wide	26
3-Thread Overlock - Narrow	27
3-Thread Overlock - Narrow Hem	28
Rolled Edging	29
3-Thread Rolled Edge	29
Seaming Sheers	30
Lettuce Edge	30
Belt Loops and Button Loops	30
Returning to Standard Serging	30
3-Thread Flatlock	31

# Table of Contents (Cont.)

<b>2-THREAD OVERLOCK</b> .....	32
2-Thread Overlock .....	32
Converting from 3-Thread Overlock to 2-Thread Overlock .....	32
2-Thread Flatlock - Wide .....	33
2-Thread Flatlock - Narrow .....	34
Flatlock "Topstitching" .....	35
Blind Hemming .....	36
Blanket Stitch - Decorative Stitch .....	37
Ladder Stitch - Decorative Stitch .....	38
Returning to 3 or 4-Thread Overlock .....	39
<b>WAVE STITCH</b> .....	40
Wave Stitch .....	40
Converting from Normal Serging to Wave .....	40
3-Thread Wave Stitch .....	41
3-Thread Rolled Wave Stitch .....	42
3-Thread Reversed Wave Stitch .....	43
<b>BASIC SERGING TECHNIQUES</b> .....	44
Securing Ends .....	44/45
Turning Outside Corners .....	46
Turning Inside Corners .....	46
Serging Curves .....	47
Inserting Tapes .....	47
Cutting Blade Cover Seam Guide .....	47
<b>USING SPECIALTY THREADS</b> .....	48
Using Specialty Threads .....	48
Threading Lightweight Thread .....	48
Changing Threads .....	48
Threading Medium Weight Thread .....	48
Bypassing the Threading Port .....	49
Thread Cradle for Loopers .....	50
Looper Threading Tool .....	51
Specialty Thread Guide Chart .....	52/53
<b>MAINTENANCE</b> .....	54
Replacing Needles .....	54
Replacing Cutting Blades .....	54
Cleaning .....	55
Replacing LED Lighting .....	55
<b>TROUBLESHOOTING</b> .....	56
Troubleshooting .....	56/57
Dos and Don'ts .....	57
<b>TECHNICAL DATA</b> .....	58
<b>CHART FOR STITCH SELECTION SETTINGS</b> .....	59

## How Your Acclaim Operates

Sometimes called an overlock machine or overlocker, the serger is different from any conventional sewing machine you have used. Awareness of its simple operation will enable you to become more proficient in its use. Please read all instructions before using your new machine.

Serging is kind of a knitting process that loops two, three or four threads together to create a stitch. Your Baby Lock Acclaim operates with one or two needles and one or two "loopers," each carrying a thread to form the overlock stitch.

When fabric is placed into the machine, it reaches the feed dogs first. The feed dogs move the fabric along as the cutting blades trim the edge, creating a clean edge to be finished. Then the loopers and needle(s) form the stitch on the fabric edge, supported by one or more parallel "stitch fingers" - metal prongs that keep the fabric flat. The threads become "locked" over the fabric and the resulting stitches encase the raw edge with thread to prevent fabric raveling.

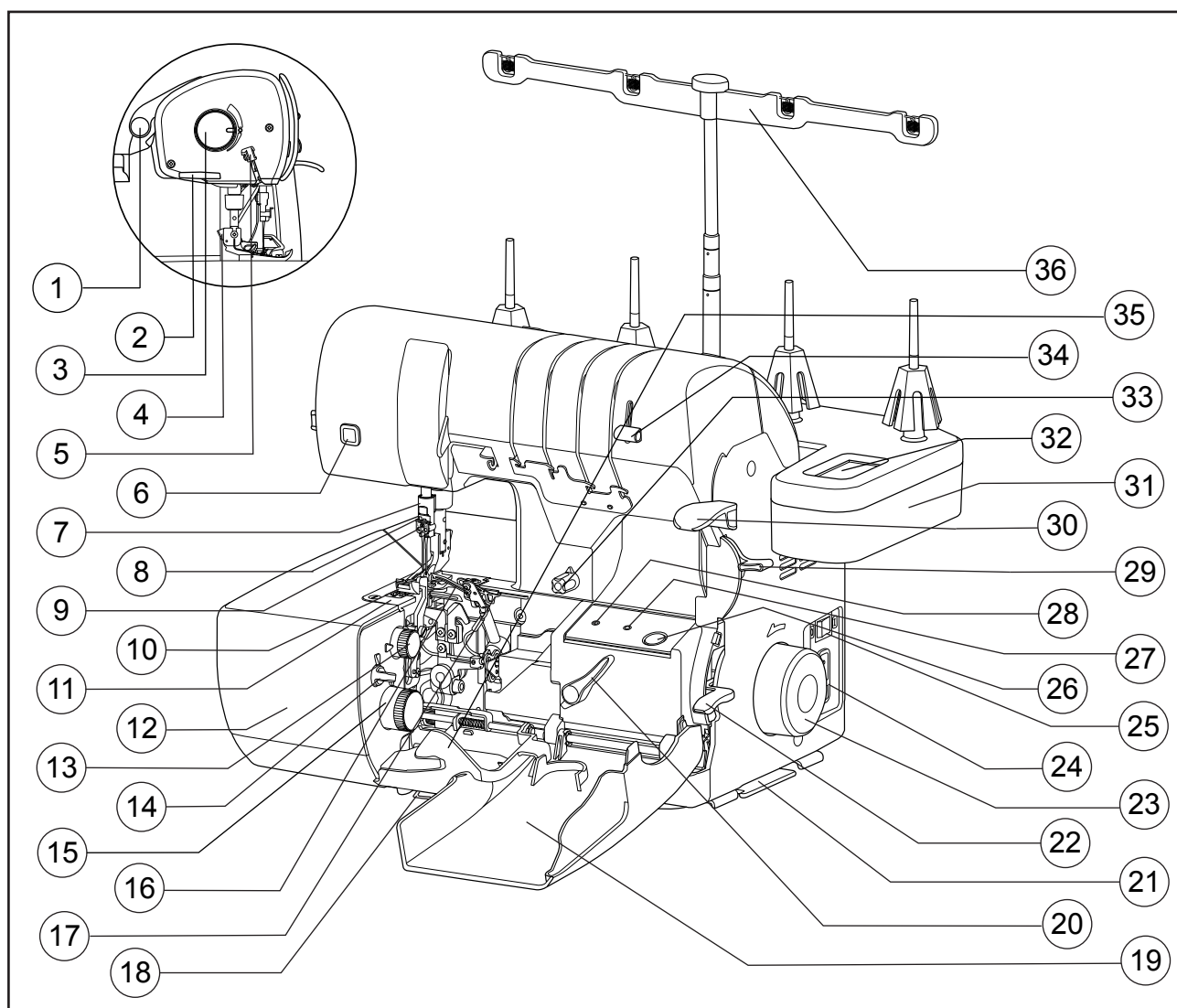
After setting up your machine for the first time, take a few moments to learn how it sews. Before your serger is threaded, turn the handwheel counterclockwise and watch the movement and operation of the various parts. Don't bother with fabric at first. It doesn't hurt your serger to stitch without fabric under the presser foot.



# Overview of the Acclaim

- |   |  |
|---|--|
| 1. Carrying handle                          | 19. Front cover                                    |
| 2. Thread cutter                            | 20. Threading lever                                |
| 3. Presser foot pressure adjusting dial     | 21. Cord channel                                   |
| 4. Presser foot release lever               | 22. Differential feed adjusting lever              |
| 5. Needle threader lever                    | 23. Handwheel                                      |
| 6. Push to thread needles button            | 24. Power cord receptacle                          |
| 7. Needle clamp                             | 25. Power switch                                   |
| 8. Needle height viewing area               | 26. Push to thread loops button                    |
| 9. Needle clamp screw                       | 27. Upper looper threading port                    |
| 10. Snap-on presser foot                    | 28. Lower looper threading port                    |
| 11. Needle plate                            | 29. Stitch selector lever                          |
| 12. Side cover                              | 30. Presser foot lever*                            |
| 13. Stitch width adjusting dial             | 31. Accessory compartment & thread stand           |
| 14. Cutting blade locking dial              | 32. Magnetic needle storage                        |
| 15. Stitch length/rolled hem adjusting dial | 33. Upper and lower looper thread fine-tuning knob |
| 16. Upper Looper                            | 34. Wave/Overlock selector lever                   |
| 17. Subsidiary looper                       | 35. Cutting blade cover                            |
| 18. Needle drop drawer                      | 36. Telescopic antennae and thread guides          |

\* Raising the presser foot releases all threads.

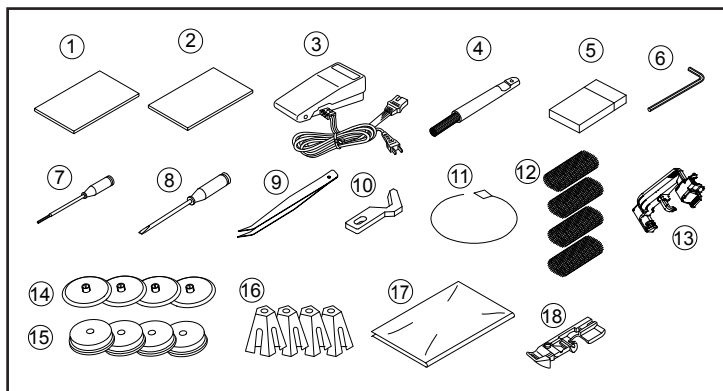
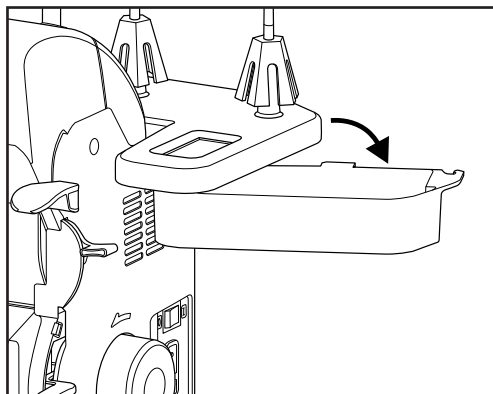




# Accessories

Your Baby Lock Acclaim serger has a built-in accessory compartment. To open, swing the lower section for the compartment of the thread stand to the right to reveal the tray holding some of the accessories listed below. Others may be found in the machine packing materials.

Accessory	Number included	Located in
1. Instruction manual	1	Packing box
2. Quick reference threading guide	1	Packing box
3. Foot control / Power cord	1	Packing box
4. Lint brush/needle insert tool	1	Accessory compartment
5. Package of assorted sized needles Organ HAX1SP/CR	1	Accessory compartment
6. Allen wrench	1	Accessory packet
7. Allen screwdriver	1	Accessory compartment
8. Screwdriver	1	Accessory packet
9. Tweezers	1	Accessory compartment
10. Upper cutting blade for replacement	1	Accessory compartment
11. Looper threading tool	1	Accessory packet
12. Thread nets	4	Accessory packet
13. 4-Thread RevolutionAir needle threading guide	1	Accessory compartment
14. Spool caps	4	Accessory packet
15. Sponge disks	4	Accessory packet
16. Cone holders	4	On machine
17. Machine cover	1	Accessory packet
18. Standard presser foot	1	On machine



## Needles

Your Baby Lock Acclaim serger is set up with 90/14 machine needles, which are suitable for most medium and heavy weight fabrics. For lightweight fabrics, change to a size 75/11 needle. The needle's semi-ball point design is suitable for knits and wovens. Some manufacturers' needles may produce better quality stitches with your Baby Lock than others. For best results, use Organ or Schmetz brand needles - system HAx1SP/CR, and replace them approximately every third project (page 54).

## Thread

All types of thread may be used on your Baby Lock, but 100% long-staple polyester thread, crosswound on a cone, consistently provides the best stitch performance. Because the threads must pass through several thread guides at high speeds, they must be of uniform thickness and high strength with a minimum amount of linting.

Good-quality cotton or cotton-covered polyester threads sew well, though they produce more lint, creating the need to clean the machine more frequently. They work well for overedging and seaming, but they may be too weak or too fuzzy for the rolled edge. Poor grades of these threads can result in frequent fraying, breaking and unbalanced stitches.

Threads of other fiber contents and weights may be used, depending on their strength and thickness. Testing will help you determine how easily they can pass through the thread guides, thread slots, needles and loopers. (for more information page 52/53.)

**Important Note:** For maximum performance of the Baby Lock Acclaim, it is recommended to use "100% polyester-long fiber thread". This thread also performs best when used with various decorative threads for serging specialty techniques.

## Optional Accessories

There are optional snap-on specialty feet available for the Acclaim. The optional accessories are available at your Baby Lock retailer.

• Beading Foot	B5002-01A-C
• Blindhem Foot	B5002S02A
• Clear Foot	B5002K02A
• Cording / Piping Foot (3mm)	B5002-02A-C
• Cording / Piping Foot (5mm)	B5002-03A-C
• Elastic Applicator Foot	B5002S01A
• Lace Applicator Foot	B5002S05A
• Ruffling Foot	B5002S03A
• Flat Sole Foot	B5001K04A
• Teflon Foot	B5002T22A
• Trim bin	900N

# Setting Up Your Acclaim

## 1. Remove machine from box

After removing the packing materials from the box, gently lift your Baby Lock serger by grasping the handle provided on the top of the machine. Place the machine on a serger sewing table or any sturdy level surface that provides ample work area to the left of the machine. Place the foot control in a pedal stay, if desired, and position it under the sewing table.

## 2. Plug in the machine

Plug the power cord into the machine first, then into a wall outlet. The power switch is located toward the back on the right side of the machine. Always make sure the power is OFF when the machine is not in use. Available foot control for 110-120V area : YC-482.

for 220-240V area : Model YC-483N-1 or YC-483N or YC-168S.

Lay the foot control cord and power cord along the inside of the channel located on the bottom right side of the overlock machine. (fig. B)

## 3. Polarized plug

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. (fig. A) 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.

## 4. Foot controller

The sewing speed of the machine is determined by the amount of pressure applied to the foot controller. When not in use, do not place anything on the foot controller, or the machine could start inadvertently and the controller or motor could burn out.

## 5. Position the telescopic thread guide.

Raise the telescopic thread guide to its highest position. Rotate the shaft to the left and right until each section "clicks" into a locked position. (fig. C)

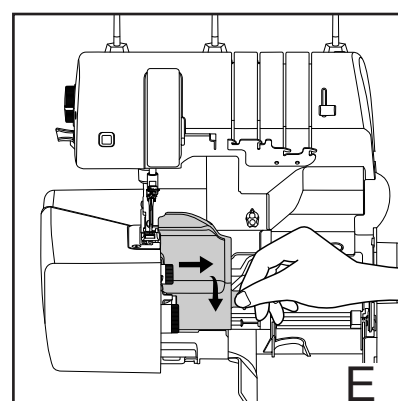
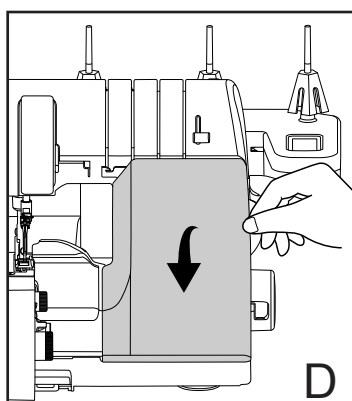
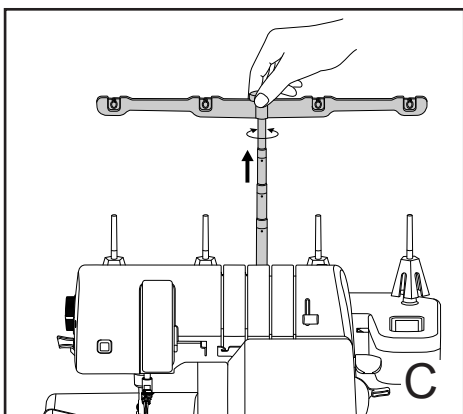
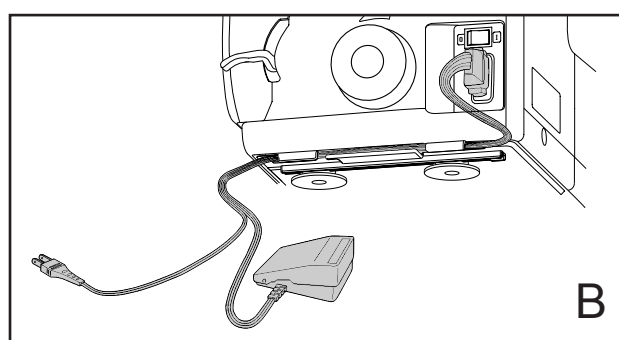
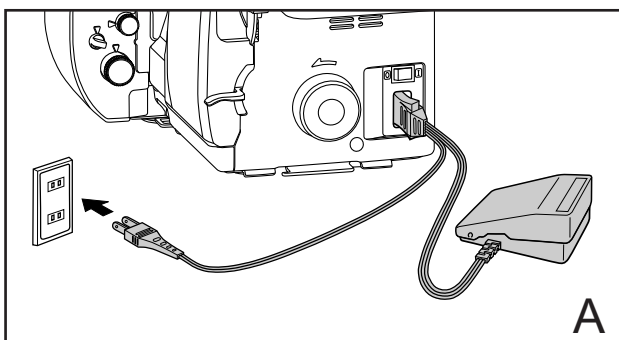
## 6. Opening front cover

The front cover may be opened simply by placing your fingers behind the cover at the upper right side and gently pull toward you. (fig. D)

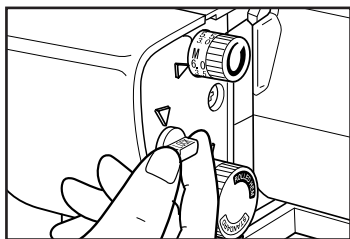
## 7. Opening cutting blade cover

To open the cutting blade cover, place your thumb against the tab, and slide the cover to the right. A slight pull toward you will allow the cover to swing down, providing access to the loopers, blades, and thread guides. (fig. E)

**Note:** The front cover has to be opened before opening the cutting blade cover.

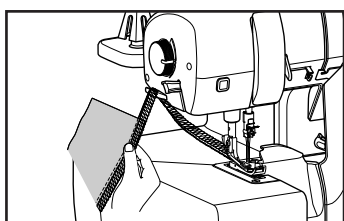


## Cutting Blade Locking Dial



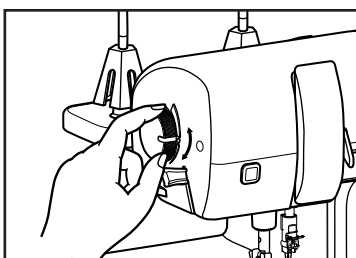
When no trimming is desired, as when stitching on a fold, rotate the cutting blade locking dial clockwise to the LOCK position. The cutting blade no longer moves up and down, but remains in its lowered position. To re-engage the cutting blade, turn the cutting blade locking dial half of a turn counter-clockwise. The blade will start moving automatically when you start serging.

## Thread Cutter



There is a thread cutter located on the left side of your Acclaim. At the end of a seam, sew off the fabric edge and continue sewing to create a 5-6 inch (12.5-15cm) thread chain. Bring the chain of thread up and from the back to front through the thread cutter.

## Presser Foot Pressure Adjustment

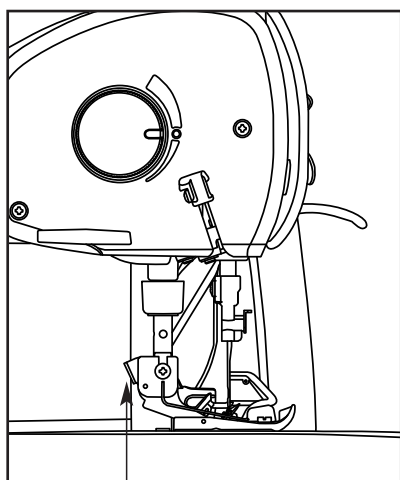


The presser foot pressure has been preset at the factory and rarely needs adjustment. You may find it necessary, however, to decrease the pressure for thick fabrics or increase pressure for thin fabrics to feed more smoothly under the foot. Turn the presser foot pressure adjustment dial on left side of the machine.

To increase pressure, turn the pressure adjusting dial counterclockwise.

To decrease pressure, turn the dial clockwise.

## Snap-On Presser Foot



Presser Foot  
Release Lever

The Acclaim has the convenience of a snap-on presser foot system.

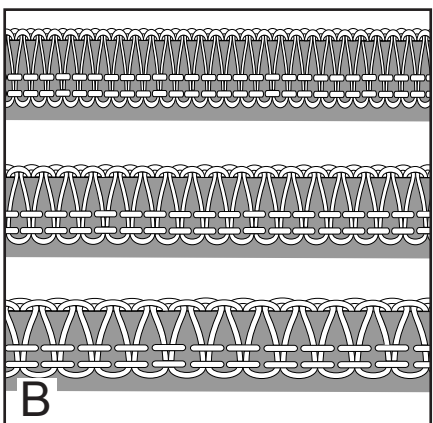
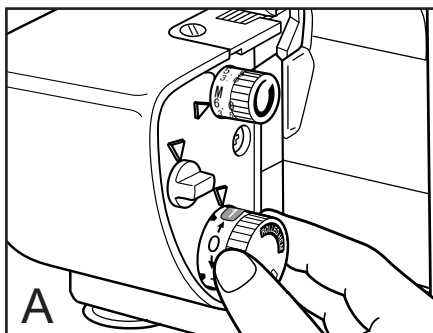
### **To Release:**

1. Raise the presser foot lever to highest position.
2. Lock the cutting blade down.
3. Raise the needles to their highest position.
4. Push the presser foot release lever located at the back of the presser foot holder.
5. Slide presser foot slightly toward you and carefully turn the back section of foot clockwise 90 degrees.
6. Slide the presser foot to the rear to remove.

### **To Replace:**

1. Raise the presser foot lever.
2. Lock the cutting blade down.
3. Raise the needles to the highest position.
4. Slide the foot from the left to right.
5. Align the bar of the foot with the groove in the holder.
6. Lower the presser foot lever to snap presser foot into place.

## Stitch Length/Rolled Hem

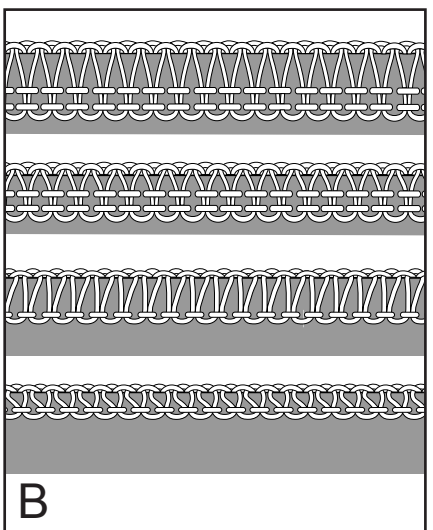
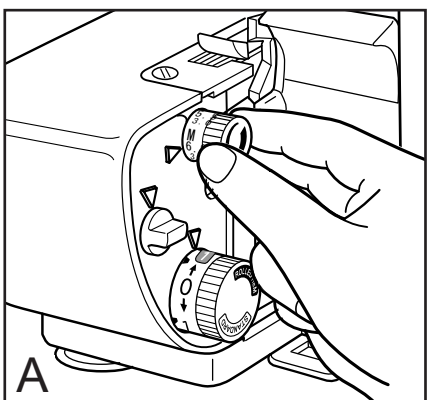


The stitch length / rolled hem adjusting dial is conveniently located just to the left of the front cover, near the base plate. (fig. A) The dial shows two stitch-length ranges, from 0.75, for the shortest stitch, to 4 for the longest. As the dial indicates, one range is for standard sewing and one is for rolled edging or narrow seaming.

Simply turn the dial aligning the desired setting with the indicator on the machine. A stitch length of 3mm, or about 10 stitches per inch is ideal for seaming and overedging most fabrics. For overedging or seaming very lightweight fabrics, you may prefer a shorter stitch length. When sewing heavier fabrics, you may choose to lengthen the stitch. (fig. B)

**Note:** 0.75mm is located between the 0 and 1 on both standard and rolled settings.

## Stitch Width



The stitch width adjusting dial is located above the stitch length dial. (fig. A) The stitch width dial displays two sets of numbers, indicating two width ranges. The larger size numbers on the dial, 5.5 through 7.5mm, denote the stitch width when the left needle is in use. The smaller size numbers, 3.0 through 5.0mm, apply when the right needle is in use.

Adjusting the stitch width moves the upper cutting blade. It also moves the stitch fingers further apart or closer together for complete fabric support with any stitch width.

The stitch width is variable by the placement of Right and Left needles and the stitch width dial positions. (Fig. B)

# Differential Feed

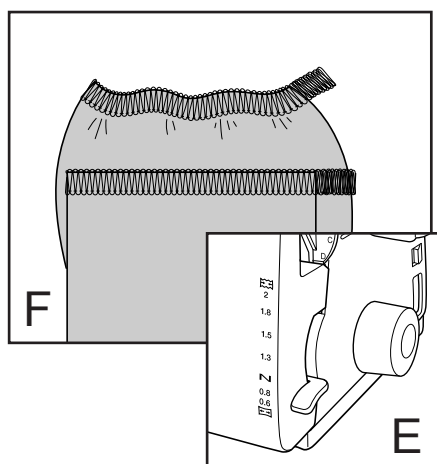
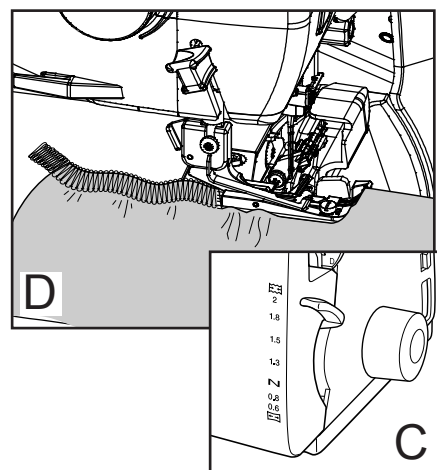
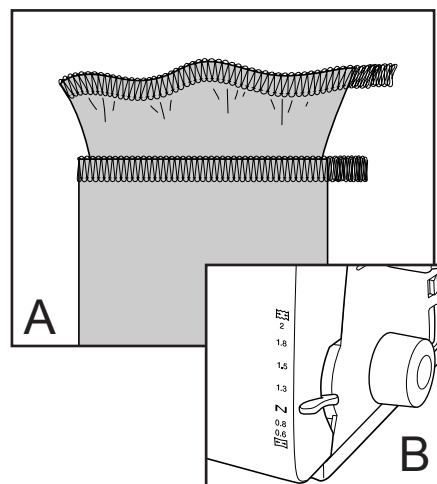
Your Baby Lock serger is equipped with differential feed. The sets of feed dogs work independently in order to ensure smooth sewing on all fabrics.

When the differential feed adjusting lever, located at the machine's right, front edge is set on "N" for normal feeding, the feed dogs move the same distance. This is the setting to use for most fabrics and applications.

When the dial is set above "N" (fig. B), the front feed dog will feed more fabrics than the back. This is because the front feed dog moves at a greater distance than the back feed dogs. As a result, the fabric becomes compressed or eased, as the diagram on the front cover indicates. This action can eliminate wavy seams in stretchy fabrics or those cut on the bias grain. (fig. A)

At the maximum setting of 2 (fig. C), the differential feed can gather a lightweight fabric to nearly double fullness. (fig. D) The front feed dog is actually feeding in twice as much fabric as the back feed dog is feeding out. To maximize the gathering effects, use the longest stitch length setting. Fabric weight will affect the gathering. Test stitch for desired results.

When the differential feed lever is set below "N" (fig. E), the front feed dog moves less distance than the back feed dog. This adjustment stretches the fabric slightly as it is sewn pulling it taut as it enters the needle area. The lower settings prevent puckers on lightweight fabric (fig. F), add more stretch to swim wear, active wear, and can be used to create a lettuce edge. (page 30)





# Thread Delivery System

The Baby Lock Acclaim revolutionizes the way a serger works with its Thread Delivery System. You no longer have to manually adjust the tension settings for the type of stitch you are serging. Select the type of stitch you wish to serge, the Acclaim will automatically feed the correct amount of thread through the loopers and thread guides to form a perfect stitch every time.

## Stitch Selector Lever

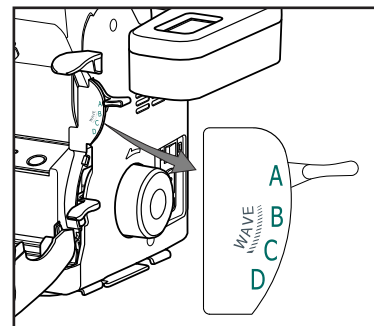
The stitch selector controls the thread delivery system and is located on the right front side of the machine. To select a stitch setting, move the stitch selector lever to A, B, C, or D.

A - For Wide overlock stitches using the left (L) needle.

B - For balanced overlock stitches using the right (R) needle and 3-thread Wave stitch.

C - For narrow stitches with a short length and Rolled Wave stitch.

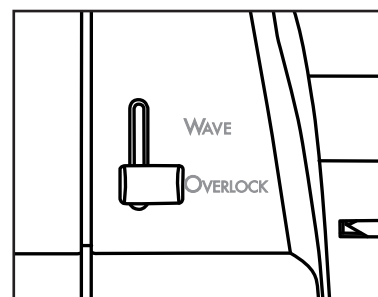
D - For 3-Thread rolled hem stitch.



For best results, use setting B or C for WAVE stitching. See chart on last page for stitch selection settings.

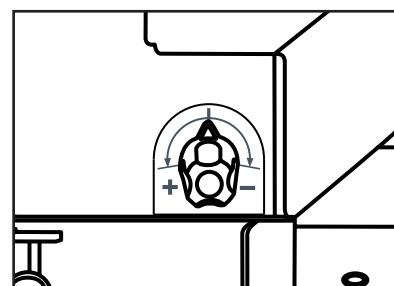
## Wave/Overlock Selector Lever

The Wave/Overlock Selector lever shows "OVERLOCK" and "WAVE". Select "OVERLOCK" for overlock stitching. Select "WAVE" for wave stitching.

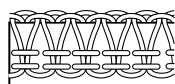


## Upper and Lower Loper Thread Fine-Tuning Knob

No adjustments are needed when sewing with most fabrics and threads on your Baby Lock Acclaim, but certain threads or fabrics may require minor fine-tuning of the looper delivery system to perfect your stitches. Increase or decrease the delivery of the looper threads with the upper and lower looper thread fine-tuning knob. Turn the fine-tuning knob counterclockwise to tighten the looper threads equally. Turn the knob clockwise to loosen the looper threads equally.

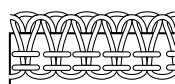


Ideal Stitch



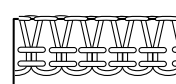
Standard Position

Looper threads are too loose.



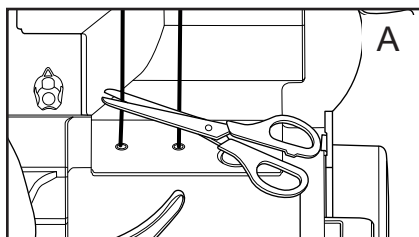
Tighten the knob ( + )

Looper threads are too tight.



Loosen the knob ( - )

## 2-Thread Subsidiary Looper

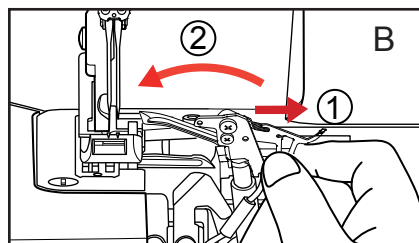


Either needle thread may be engaged for 2-thread overlock sewing.

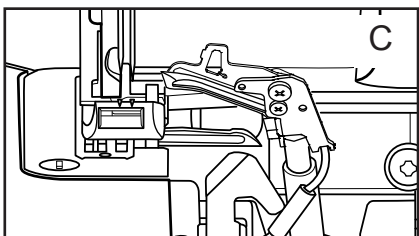
### To engage the subsidiary looper

1. Open the front cover and the blade cover, cut the upper looper thread just above the threading port. (fig. A) Raise the presser foot and pull out the clipped thread from under the foot.

Remove the upper looper thread from the machine.

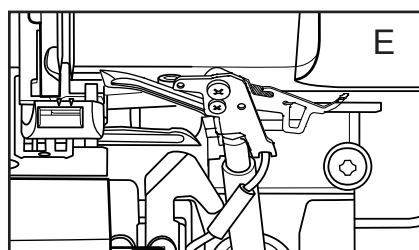
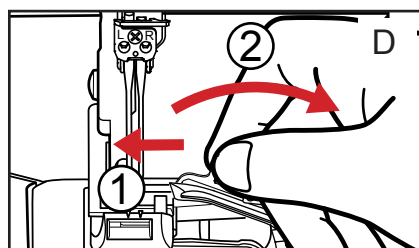


2. Rotate the handwheel to bring the needle clamp to its highest position.
3. Slide the subsidiary looper to the right direction and swing it counterclockwise to the left. (fig. B)
4. Make sure the hooked tip of the subsidiary looper enters into the upper looper eye. (fig. C)
5. Close the blade cover and the front cover.



### To disengage the subsidiary looper

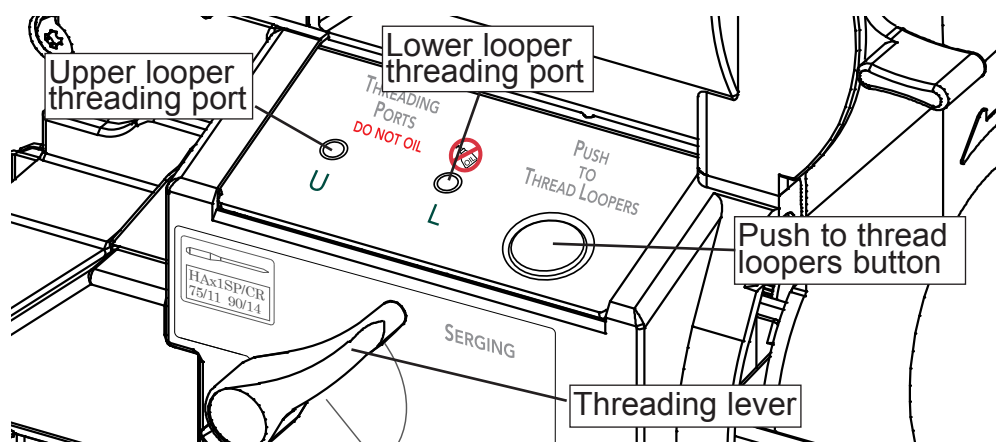
1. Open the front cover and the blade cover.
2. Rotate the handwheel to bring the needle clamp to its highest position.
3. Slide the subsidiary looper to the left direction and swing it clockwise to the right. (fig. D)
4. Make sure the subsidiary looper is resting at the right side of the upper looper. (fig. E)
5. Close the blade cover and the front cover.





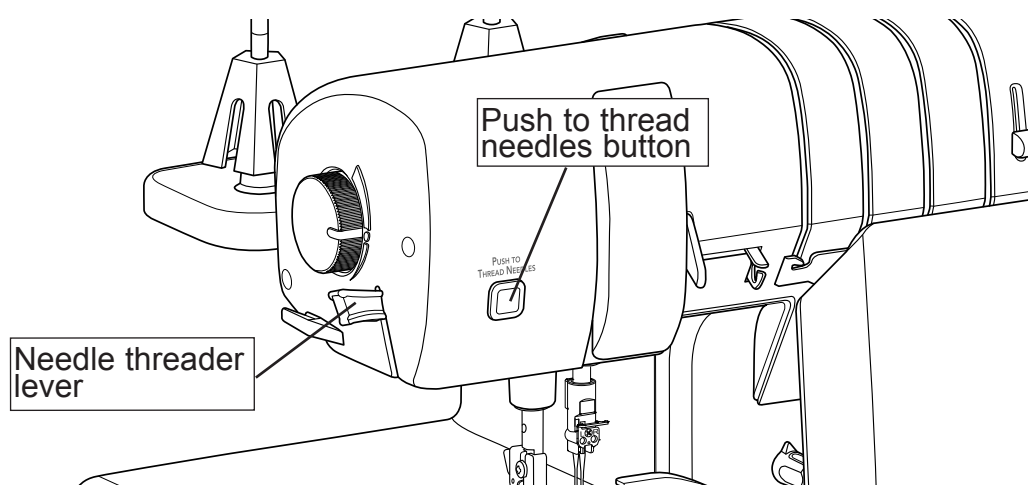
## Looper Air Threading System

Your Baby Lock Acclaim serger is equipped with an exclusive Push to Thread Loopers button. Thread your loopers all at once using the Push to Thread Loopers button. A quick burst of air allows your thread to flow through each looper with minimal effort.

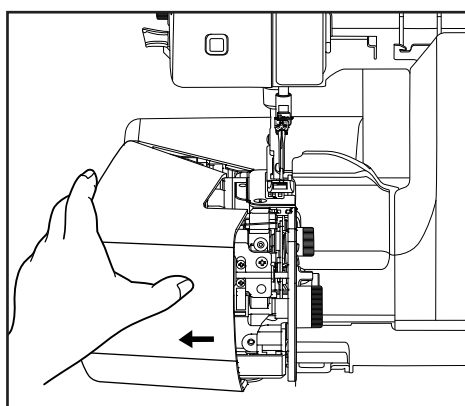


## Needle Air Threading System

The exclusive "Push to Thread Needles" button will thread both needles with little or no effort. The thread will enter the eye of the needle with only the push of a button.



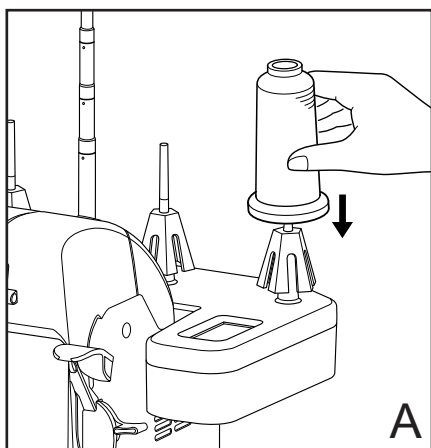
## Side Cover



Open side door on the left for inside easy cleaning. Close door before serging.

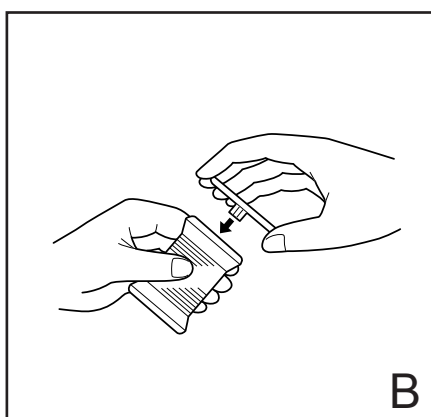
Notes:

# Threading Preparation



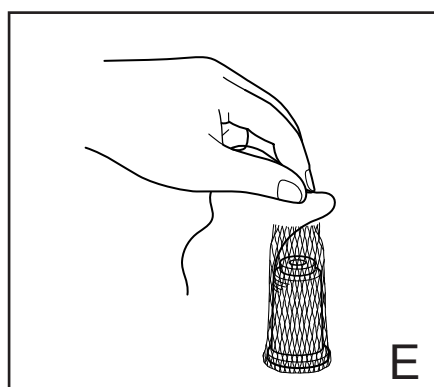
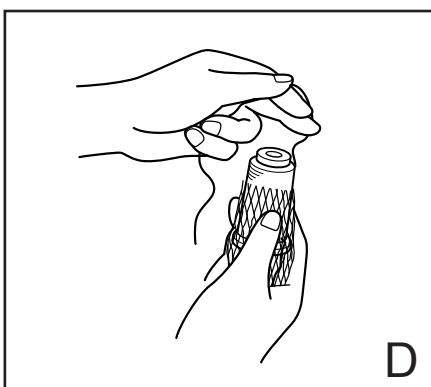
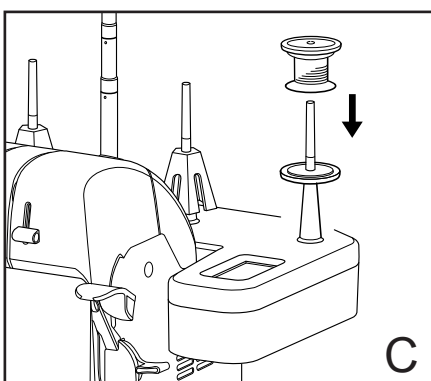
When using threads on cones or king spools place the cone or spool securely over the cone holders furnished on your machine. To avoid bending the thread stand, you may need to place one hand under the stand while positioning the cone. The cone holders prevent the cone or spool from spinning, enabling the thread to feed evenly. (fig. A)

Because threads for the serger feed from the top, standard spool threads can snag on the rough edges of many of these spools. That's why spool caps are furnished with your Acclaim to provide a smooth surface that enables the thread to reel off freely. With the spool notch side down, insert a spool cap into the top of the spool. (fig. B)



When using standard spool threads on your serger, replace the cone holders with the sponge disks furnished with your machine. These disks hold smaller spools securely and help the thread to reel off properly. With the sponge disk in place, put the capped spool on the spindle. (fig. C)

Thread nets may be placed over threads that tend to slip off the bottom of the spool during sewing. Most threads do not require their use, but nets often are necessary with nylon, rayon or silk threads. (fig. D) Once it's on the spool, fold the net back on itself, if necessary, to enable the thread to feed smoothly without snagging on the net. (fig. E)



# Threading Your Acclaim

Your Baby Lock Acclaim is equipped with an exclusive "Electronic RevolutionAir Threading System" for fast, easy threading of the upper and lower loopers.

One touch of the "Push to Thread" buttons will automatically thread the loopers and needles. It is no longer necessary to use tweezers for threading the loopers or needles. If a looper thread breaks or runs out, just re-thread it. There is no need to follow a specific threading sequence.

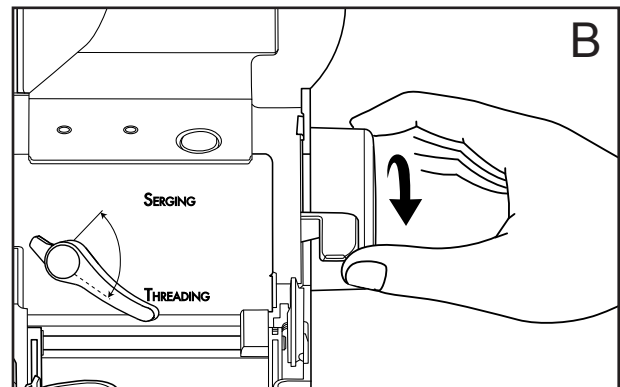
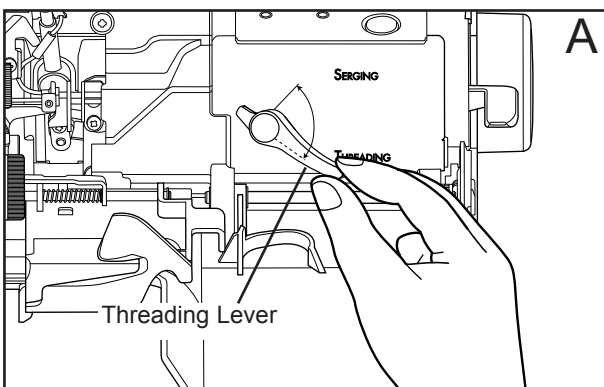
## Threading Lever Position for Threading

1. Open the front cover.
2. Raise the presser foot to release all threads.
3. Set the threading lever from serging position to threading position. (fig. A)
4. Rotate the machine handwheel slowly toward you until the tubes move to their connecting position. (fig. B)

**Note:** The Acclaim must be in the locked threading position when threading the loopers and needles, unless otherwise indicated.

## Lower Looper

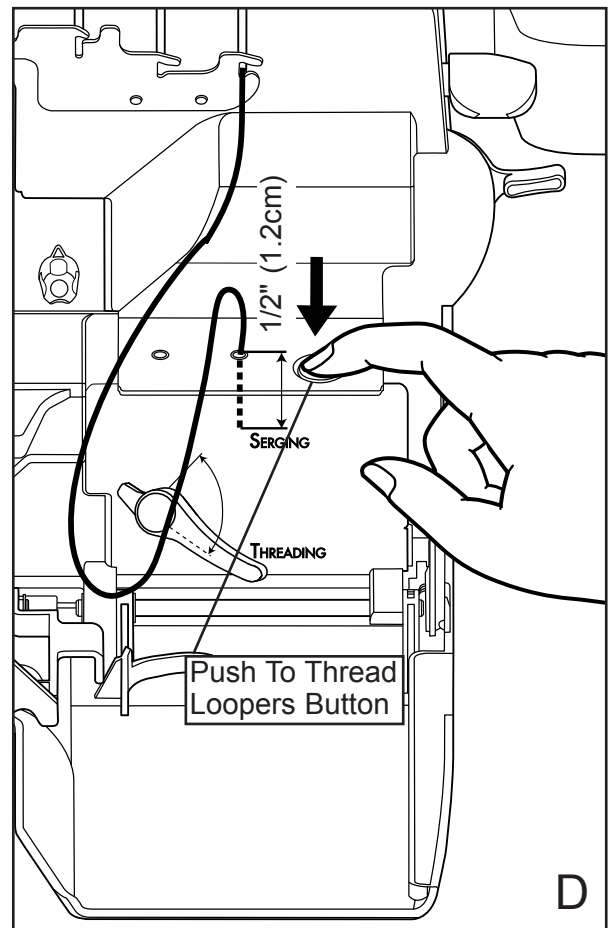
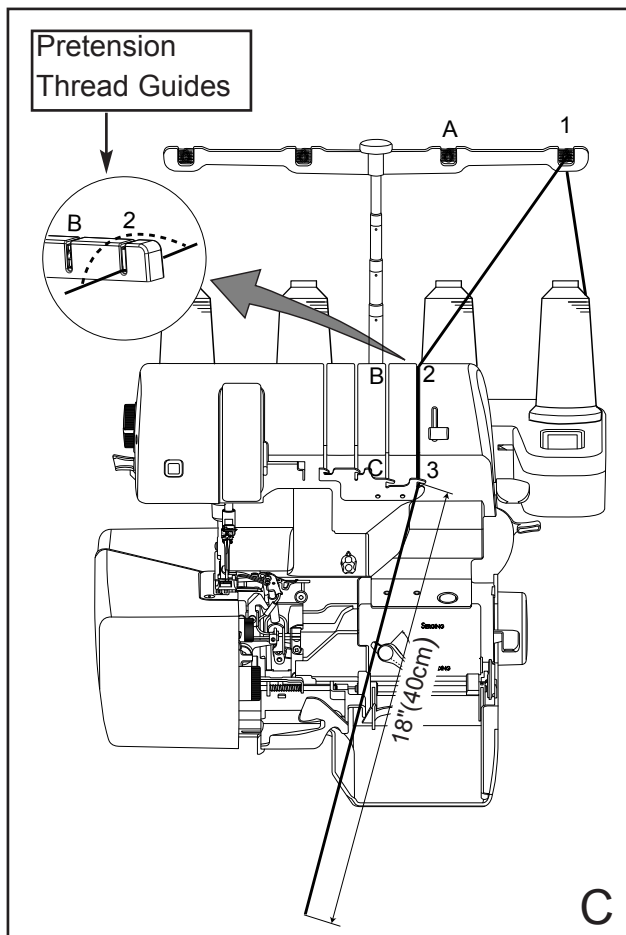
1. With the presser foot up and threading lever in the threading position. ( fig. A)
2. Place the thread cone or spool on the far right spool pin on the thread stand. (fig. C page 18) Slip the thread into the telescopic antenna thread guide "1" directly above the spool, snap into the pretension thread guide "2" at the top of the machine, then through the slot on the front of the machine. (fig. C page 18)
3. Pull 18 inches (45cm) of thread through guide "3". (fig.C, page 18) Insert the end of the thread into the threading port "L" about 1/2 inch (1,2cm) . Use tweezers if necessary, to insert the thread end more easily.
4. Push the threading button (fig. D page 18) . If the thread does not go through the lower looper eye with one push, push the threading button again until it does. \*(page 18)
5. Clip the thread 4 inches (10cm) from the lower looper eye and leave it hanging loose inside the machine.
6. Once machine is completely threaded for chosen serging application, set the threading lever to the serging position.



# Upper Looper

1. With the presser foot up and threading lever in the threading position. ( fig. A, page 17)
2. Place the thread cone or spool on the second spool pin on right side of the thread stand. (fig.C)  
Slip the thread into the telescopic antenna thread guide "A" directly above the spool, snap into the pretension thread guide "B" at the top of the machine, then through the slot on the front of the machine. (fig. C)
3. Pull 18 inches (45cm) of thread through guide "C". Insert the end of the thread into the threading port "U" about 1/2 inch (1.2cm) . Use tweezers if necessary, to insert the thread end more easily.
4. Push the threading button. If the thread does not go through the upper looper eye with one push, then push the threading button again until it does. \*(fig. D)
5. Pull thread toward the rear of machine and place under the presser foot.
6. Once machine is completely threaded for chosen serging application, set the threading lever to the serging position.

**Note:** Diagrams C and D below are illustrations for threading lower and upper loopers.



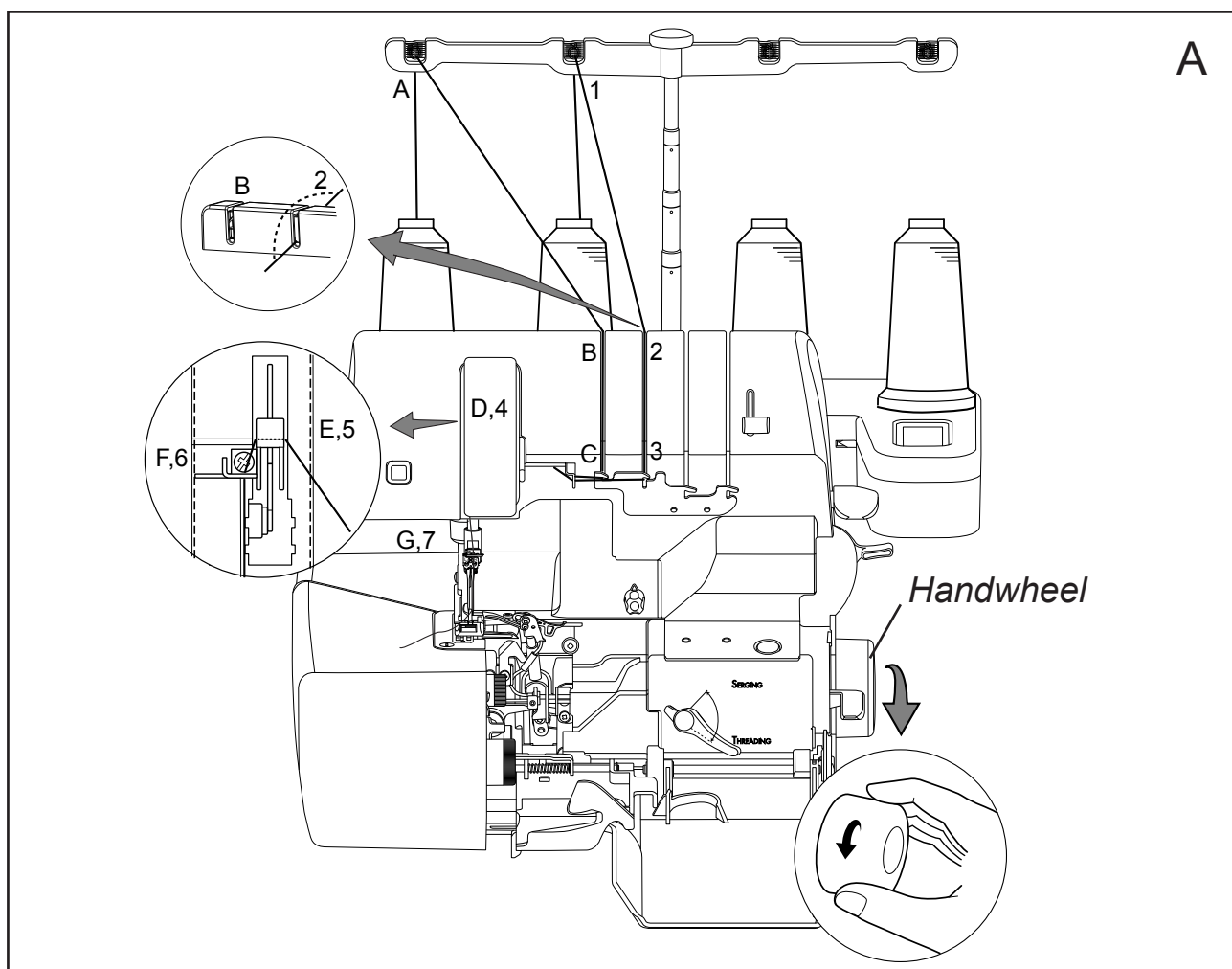
\*Be sure at least 1/2" of thread is inserted into the threading port.

## Right Needle

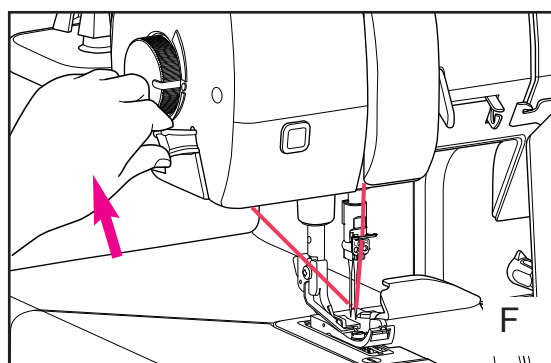
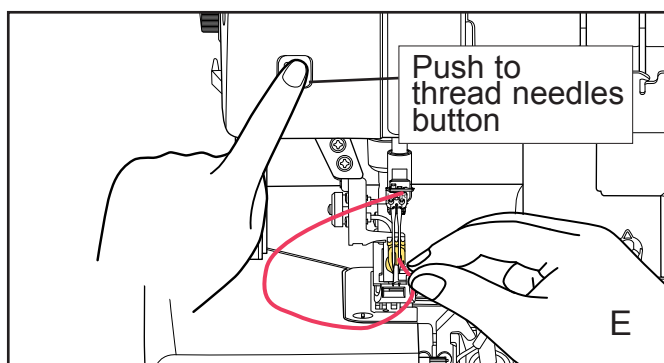
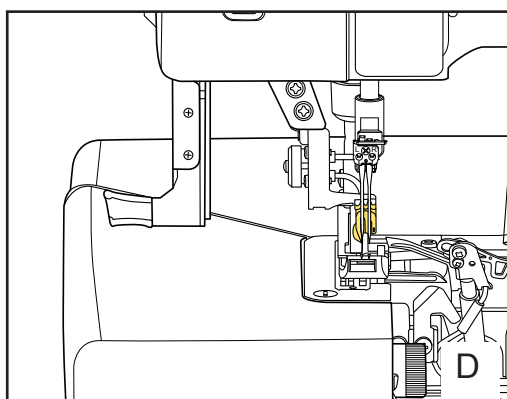
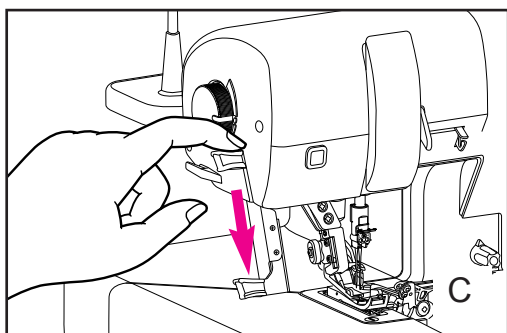
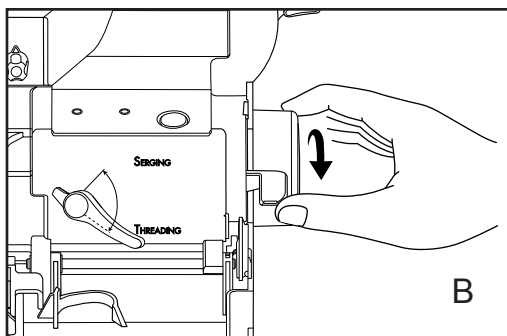
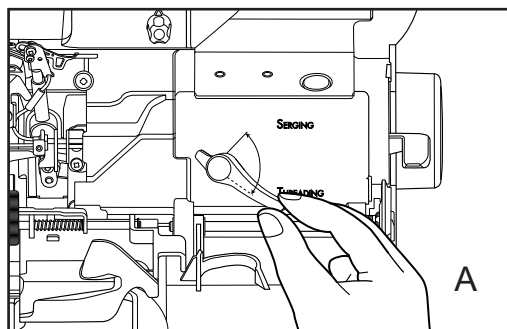
1. Raise the presser foot to the up position and engage the machine to the threading position. (fig. A, page 17)
2. Place the thread on the second spool pin from the left on the thread stand. (illustrated below)  
Thread needle thread guides 1 and 2, then through the groove on the front of the machine and through guides 3, 4, 5, and 6.
3. Using the RevolutionAir Needle Threader, thread the right needle. (illustration below; position 7) (refer to page 20)
4. Lower the presser foot to engage the tensions.

## Left Needle

1. Raise the presser foot to the up position and engage the machine to the threading position. (fig. A, page 18)
2. Place the thread on the first spool pin on the left side of the thread stand. (illustrated below)  
Thread needle thread guides A and B, then through the groove on the front of the machine and through guides C, D, E, and F.
3. Using the RevolutionAir Needle Threader, thread the left needle. (illustration below; position G) (refer to page 20)
4. Lower the presser foot to engage the tensions.



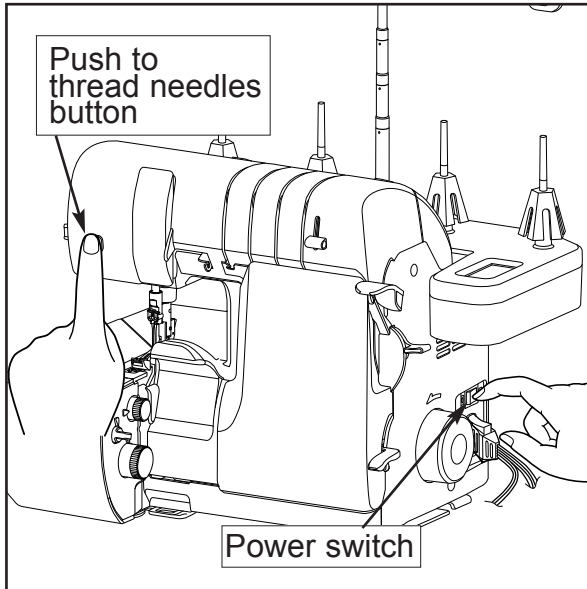
# How to Use RevolutionAir Needle Threader



1. Open the front cover and the blade cover.
2. Set the threading lever from serging position to threading position. (fig.A)
3. Rotate the machine handwheel slowly toward you until it is in the locked position. (fig. B)
4. Press the needle threading lever down. (fig. C)
5. Make sure the needle threading inlet is completely set up just behind the needles. (fig. D)
6. Press the "Push to thread needles button" to activate the threading pump while holding the thread end directly in front of the needle eye. The thread will be pulled through the needle eye. (fig. E)  
If threading pump shuts off before threading is completed, press the button again.
7. Your selected needle threading mode will determine the threading pump's operation. (see page 21)
8. Lift the needle threading lever up. (fig. F)
9. Carefully remove the thread from the inlet.
10. Set the threading lever to serging position.
11. Close the blade cover and the front cover.



# Needle Threading Mode



Acclaim has 3 types of threading Modes.

## MODE 1:

Press the " Push to thread needles button" once, threading pump will work. Press the button again , threading pump will stop.

## MODE 2:

Press the " Push to thread needles button" once, threading pump will work 3 seconds and then stops.

## MODE 3:

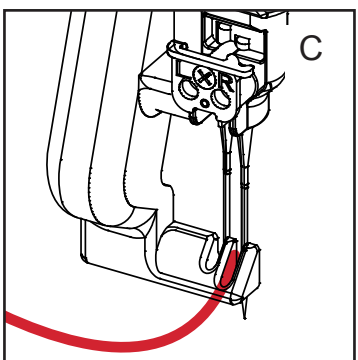
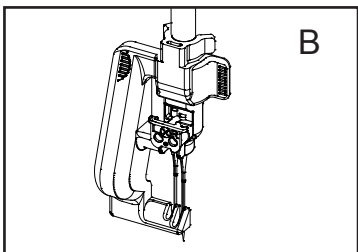
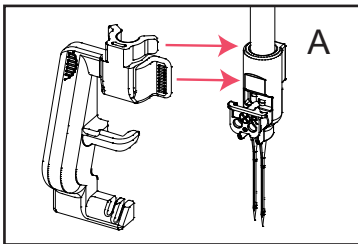
Press the " Push to thread needles button", threading pump will operate while keeping button pressed.

**Note: Your Acclaim is set to MODE 1 at the factory**

## How to change the Threading Mode

1. Connecting the power supply.
2. Power switch is in the OFF position.
3. Press and hold the " Push to thread needles button", turn power switch ON while holding button for over 3 seconds.
4. Threading Mode changes "Mode 1" ⇒ "Mode 2" ⇒ "Mode 3" ⇒ "Mode 1" . . . .

# RevolutionAir Needle Threading Guide

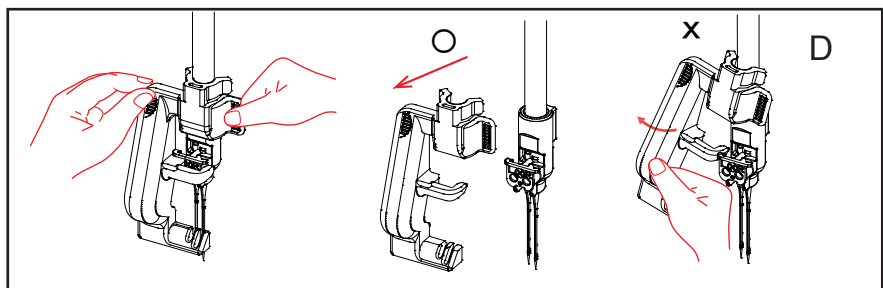


This guide is designed to aid if having difficulties with needle eye thread placement when using the RevolutionAir Needle Threader.

## How to use RevolutionAir Needle Threading Guide

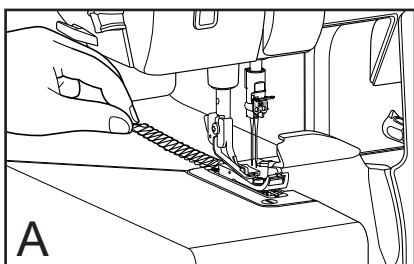
1. Set up the Acclaim for needle threading. (see page 20, 1 to 6)
2. Clip the upper section of the RevolutionAir Needle Threading Guide onto the needle bar and the guide's lower section against the needle clamp. (fig. A)
3. Make sure RevolutionAir Needle Threading Guide is completely set up just in front of the needles. (fig. B)
4. Place the end of thread directly in front of the desired needle eye position. (fig. C)
5. Press the "Push to thread needles button". (see page 20, 7 to 9)
6. Remove RevolutionAir Needle Threading Guide. (fig. D)
7. Set the threading lever to serging position.
8. Close the blade cover and the front cover.

**Note:** The elastic applicator foot cannot be attached when using the "RevolutionAir Needle Threading Guide"

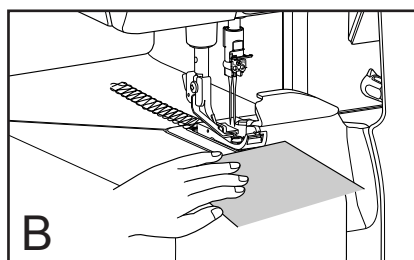




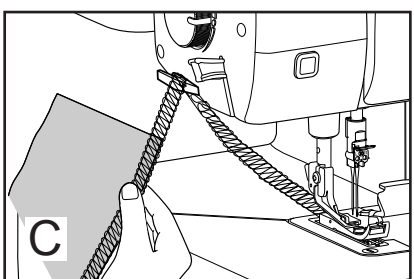
## Serging with fabric



With the needle and looper threads under the foot and to the back, lower the presser foot. While holding the threads in your left hand, press down on the foot control gently to begin a thread chain before serging fabric. (fig. A)



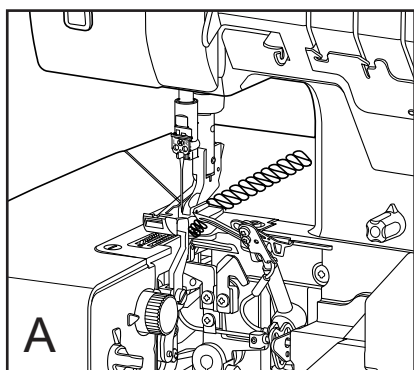
You can leave the presser foot down for most serging applications. Just place the fabric under the toe of the presser foot. As you step on the foot control, the feed dogs will begin moving the fabric toward the needle. (fig. B) You need to raise and lower the foot only when working with thick, spongy or lofty fabrics, or when precise positioning is required.



Be careful not to push or pull the fabric. The Acclaim will feed it evenly without help. At the end of a seam, just sew off the fabric edge and continue serging to create 5" - 6" thread chain. Cut the thread chain with the thread cutter on the left side cover. (fig. C)

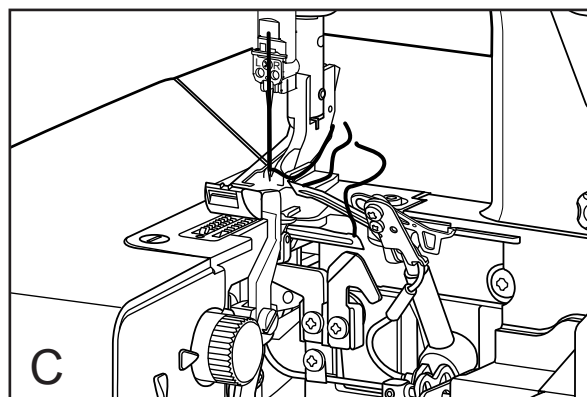
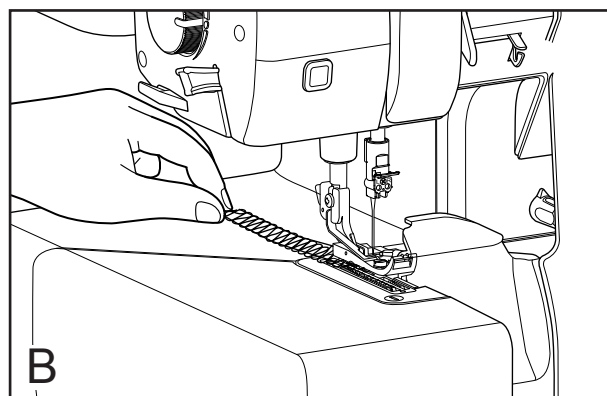
**Note:** The raised markings on the toe of the presser foot are seam line guides. They indicate the needle positions to help guide your fabric for accurate seaming.

## Clearing the Stitch Width Fingers



As you sew, you will discover that maneuvering the fabric is different from conventional sewing because the threads form around the stitch fingers. (fig. A)

To clear the stitch fingers, simply raise the presser foot, which releases all threads. Turn the handwheel counterclockwise to raise the needle(s). Then pull the threads gently from behind the foot. (fig. B) The stitches are now released from the fingers. (fig. C)



## Re-threading Loopers

If a thread breaks, raise the presser foot and pull the broken thread out from under the foot. Open the front cover and engage the threading lever. (page 17) Re-thread the machine above the threading port, leaving an 18-inch (45cm) thread tail. Thread the looper as usual then engage the threading lever to the serging position. (page 17/18) Close the front cover and sew a test sample.

**Note:** When re-threading your Baby Lock Acclaim using the "RevolutionAir Threading" feature, make sure that the previous thread that was in the looper (tube) is completely removed. This will eliminate any chance of the previous thread obstructing the flow of the air when re-threading the machine.

## Re-threading Needles

If a needle thread breaks, raise the presser foot, remove the broken thread and rethread the needle thread guides. Use the "RevolutionAir Threading" feature for quick and easier threading. Refer to pages 20 or 21 for further information.

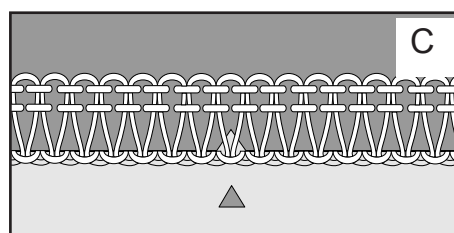
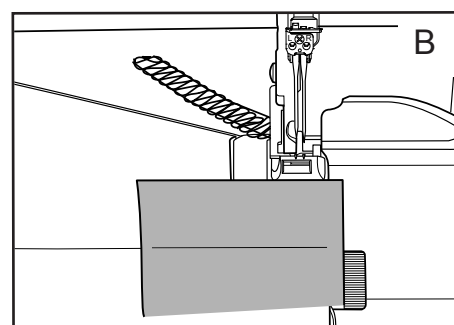
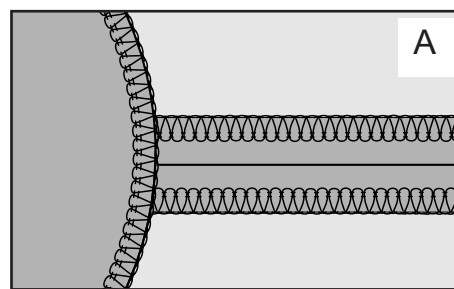
## 4-Thread Overedging

Overedging to finish facings, hems and seams before construction, is one of the most basic uses of a serger, such as making a garment or project with 5/8 inch (16mm) pressed open seams. (fig. A)

To overedge, place the single layer of fabric in front of the presser foot, aligning the cut edge with upper cutting blade. Begin sewing, continuing to guide the fabric along the blade. The edge of the fabric should be trimmed, but not cut away. Then sew the seams on your conventional sewing machine and press them open as usual. (fig. B)

Because notches would be cut away in this process, mark them before sewing with "V" snips just inside the seam allowance or with a water-soluble fabric marker. (fig. C)

**Note:** A 2-thread overlock or 3-thread overlock can also be used with this technique.



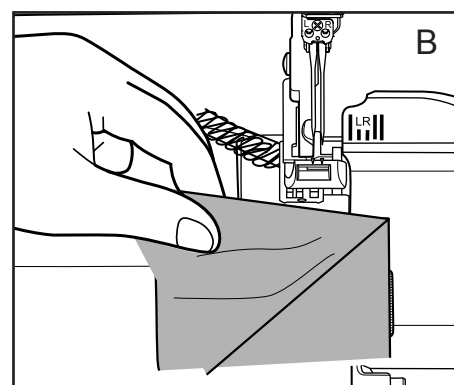
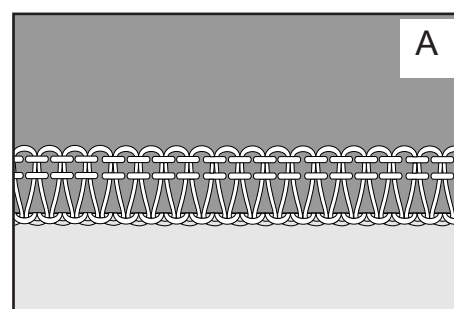
## Overlock Seam

For garments or projects that do not require conventional pressed-open seams, you can stitch and finish the seam in one operation and then press the seams to one side. (fig. A) A 4 or 3-thread seam is strong, yet it provides "give" or flexibility according to the needs of the fabric.

Place two layers of fabric right sides together. Use the marks on your serger's front cover to align the fabric for the desired seam width. Keep your eye on the fabric edge to guide it to the appropriate mark. (fig. B)

Do not watch the needle. If you guide the fabric accurately, the needle will seam in the correct place automatically.

**Note:** For most seaming, pins are unnecessary because the serger feeds the fabric evenly. If you need pins, place the pins parallel to the seam line outside the seam allowance to avoid damaging the blades.



## 4-Thread Overlock

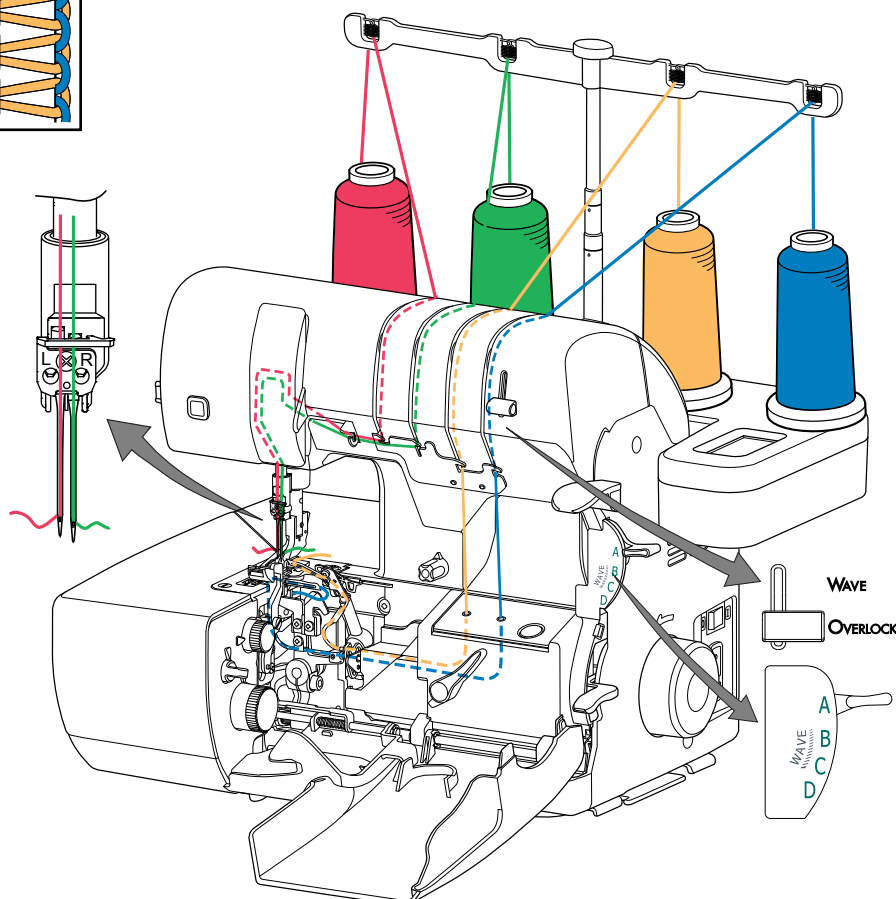
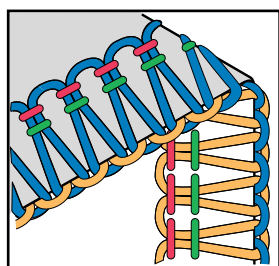
With the Acclaim Thread Delivery System, the upper and lower looper threads lock together evenly over the cut fabric edge(s) to form a flat, non-rolling pattern of overlocking stitches on both sides of the fabric.

The left needle thread interlocks with both looper threads at the stitching line to create the seam. The right needle thread, visible on the top side of the stitch, interlocks with both the loopers to add durability. The thread, that resembles a zigzag on the upper side of the fabric, is from the upper looper. The thread, that resembles a zig zag on the lower side of the fabric, is from the lower looper.

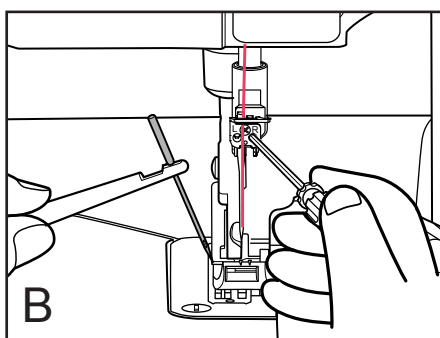
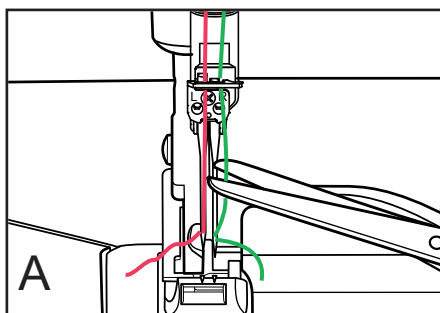
Move the stitch selector lever to "A".

For the perfect 4-thread overlock stitch, follow the suggested settings and threading diagram below.

NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
left & right	2.5-3.5	6.0-7.5	A	OVERLOCK



## 3-Thread Overlock-Wide



The 3-thread overlock wide stitch is perfect for edge-fining most woven fabrics and for seaming knits that do not require the extra durability that a fourth thread provides.

It's easy to convert your Acclaim to serge with 3 threads by simply eliminating either needle.

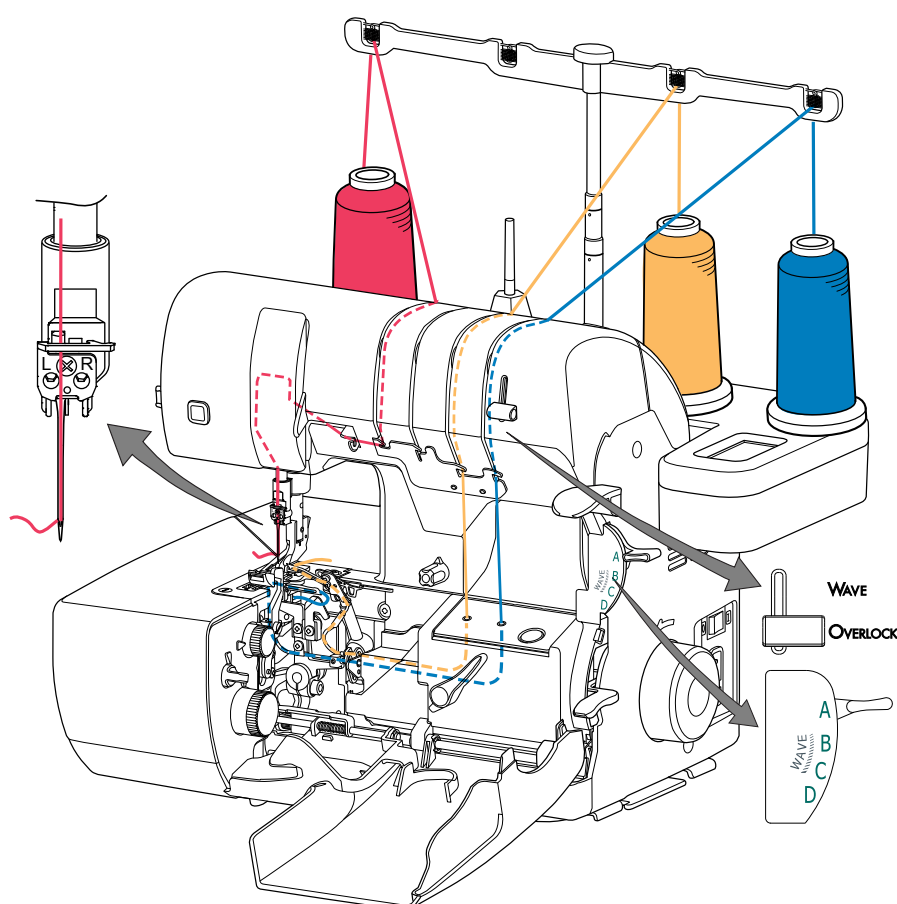
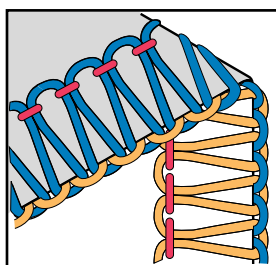
To convert your serger to a 3-thread overlock wide (7.5mm), cut the right needle thread just above the needle eye. (fig. A) Remove the right needle and right needle thread completely from the machine.

**Note:** Do not tighten needle clamp screw(s) without needle being inserted within the slot.

Move the stitch selector lever to "A".

For the left needle, 3-thread overlock wide overlock stitch, follow the suggested settings and the threading diagram below.

NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
left	2-3	7.5	A	OVERLOCK



## 3-Thread Overlock-Narrow

It's easy to convert your Acclaim to serge a narrow seam with 3 threads by simply eliminating the left needle.

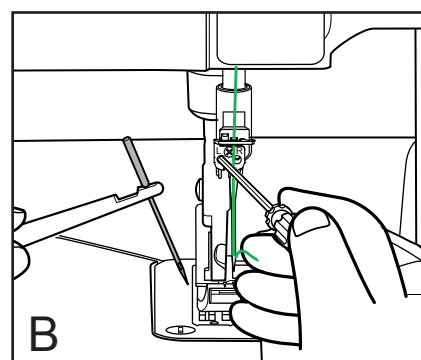
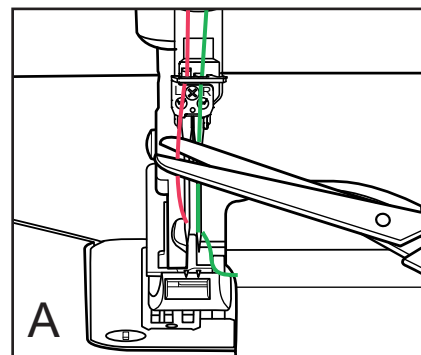
To convert to narrow 3-thread overlock (3.0-3.5mm), cut the left needle thread. (fig. A) Remove the left needle and left needle thread completely from the machine.

Confirm needle is in the right needle clamp position and secure the needle clamp screw, if necessary.

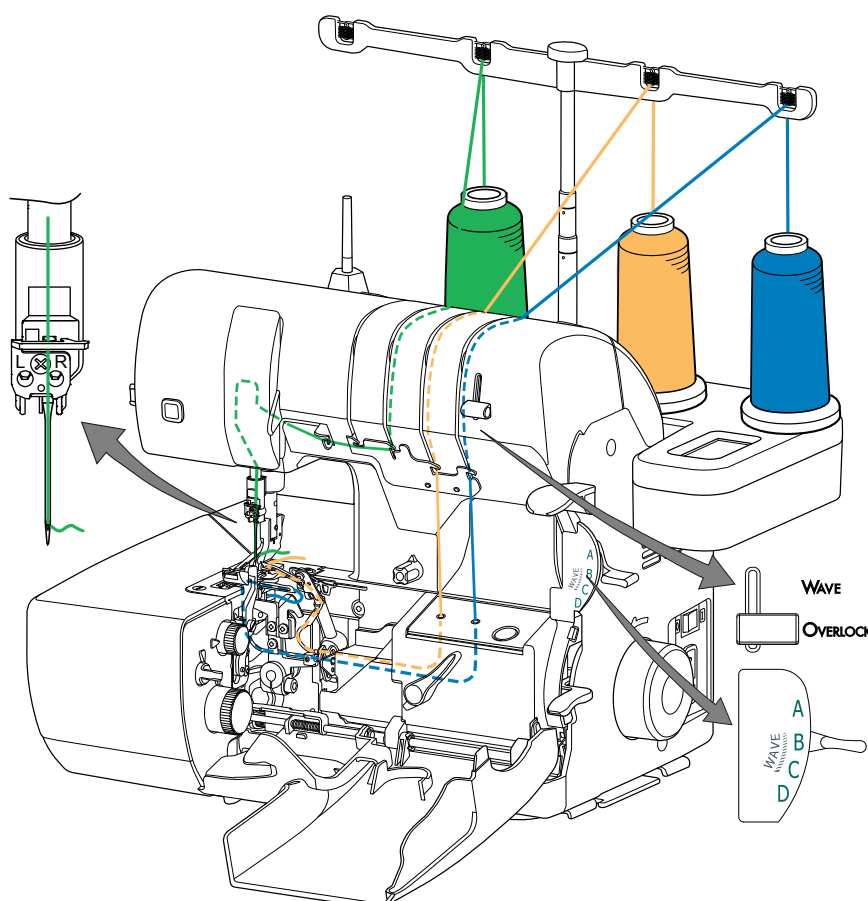
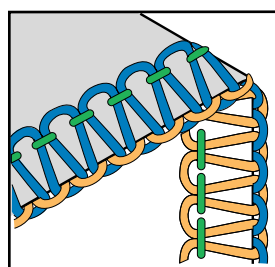
Move the stitch selector lever to "B".

For the right needle, 3-thread narrow overlock stitch, follow the suggested settings and the threading diagram below.

**Note:** Do not tighten needle clamp screw(s) without needle being inserted within the slot.

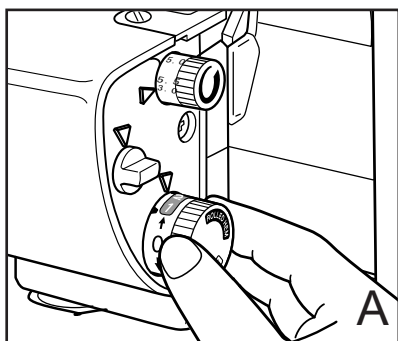


NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
right	2.5-3.5	3.0-3.5	B	OVERLOCK



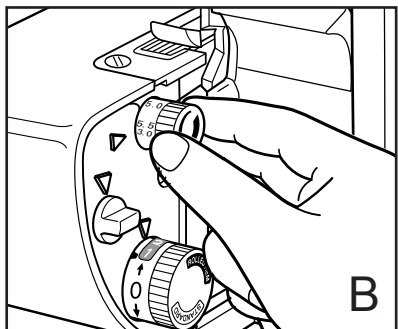


## 3-Thread Overlock-Narrow Hem



Narrow hemming is an attractive finish for most fabrics weights. It is recommended to test sew with sample piece of fabric.

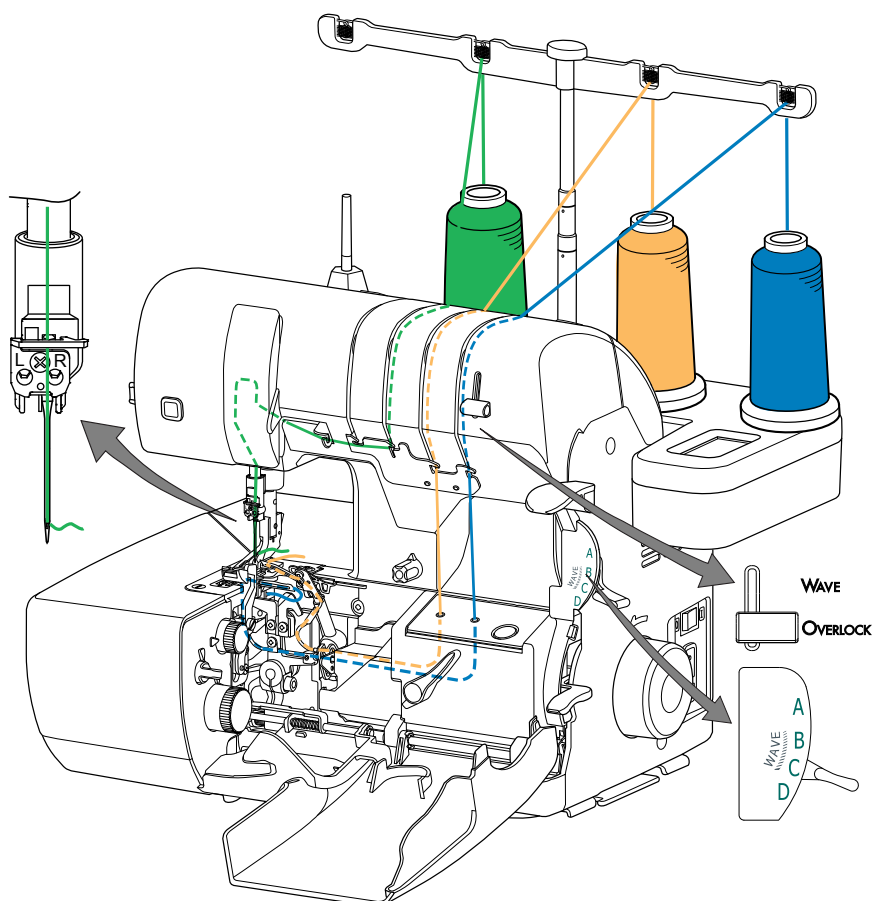
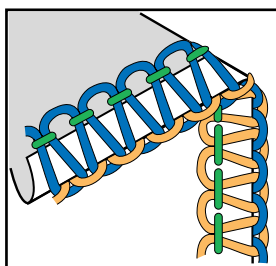
Remove the left needle and left needle thread completely from the machine. Clear the stitch fingers. Turn the stitch length adjusting dial counter-clockwise to the rolled hem range. Set the length at "0.75 to 4.0" (fig. A) and the stitch width at 3.0 for a smooth decorative finish. (fig. B)



Move the stitch selector lever to "C".

For the right needle 3-thread narrow hemming, follow the suggested settings and the threading diagram below.

NEEDLES right	LENGTH 0.75-4.0R	WIDTH 3.0	STITCH SELECTOR C	WAVE/OVERLOCK SELECTOR OVERLOCK
------------------	---------------------	--------------	-------------------------	---------------------------------------



# Rolled Edging

The rolled edge setting is used to achieve the narrowest stitch possible (1.5mm) on your Baby Lock serger. The stitch is suitable for seaming sheer and lightweight fabrics and for edging and hemming lightweight fabrics.

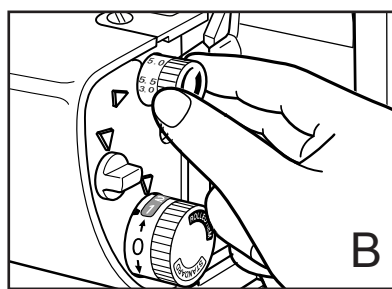
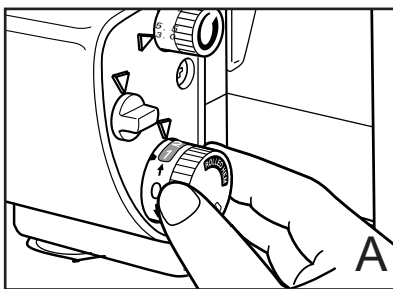
## 3-Thread Rolled Edge

With the stitch selector set on "D", a narrow hem will become a rolled edge. The fabric edge rolls around the stitch finger. The upper looper wraps the fabric edge while the lower looper thread is nearly invisible on the back side of the stitch formation.

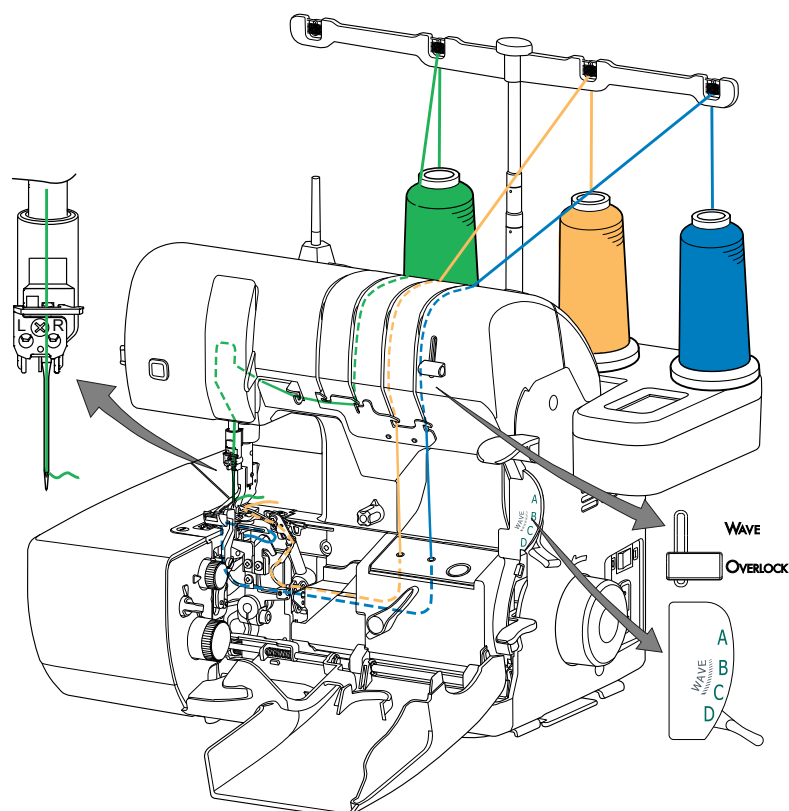
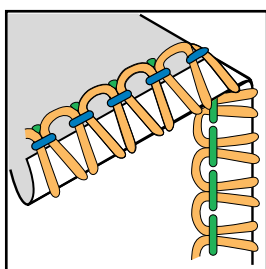
Remove the left needle and thread. Clear the stitch fingers. Turn the stitch length adjusting dial counterclockwise into the rolled hem range to 0.75-4.0R setting. (fig. A) Set the stitch width dial to 3.5 "M". (fig. B)

For a 3-thread rolled edge, move the stitch selector lever to "D" and follow the suggested settings and threading diagram below.

**Note:** These settings may vary depending on thread type and fabric.



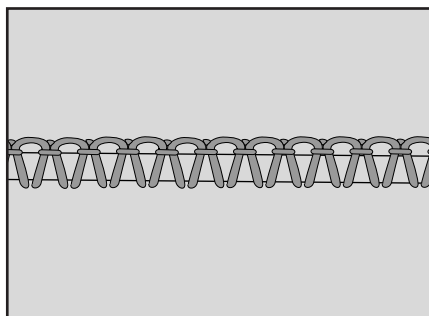
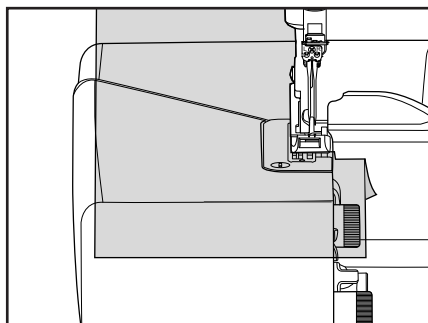
NEEDLES right	LENGTH 0.75-4.0R	WIDTH 3.5	STITCH SELECTOR D	WAVE/OVERLOCK SELECTOR OVERLOCK
------------------	---------------------	--------------	-------------------------	---------------------------------------



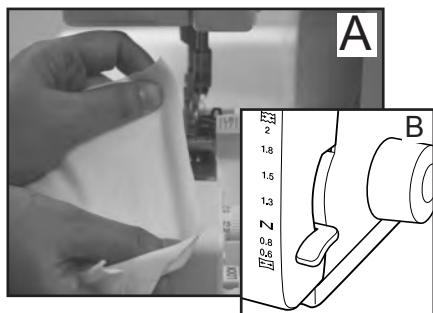


## Seaming Sheers

Use the 3-thread rolled hem setting when sewing sheer fabrics that otherwise would require French seams. Set the stitch length at 2.5. Then simply sew the seams, aligning the fabric edges with the serger seam guide, trimming away the excess seam allowance.



## Lettuce Edge



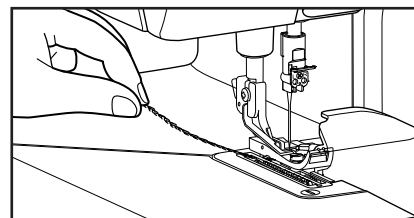
A frilly or "lettuce" edge can be created on most light and medium weight stretch fabrics and on bias edges of soft, woven fabrics. It makes a pretty decorative edging for activewear, lingerie, accessories and children's wear.

Set the machine for the 3-thread rolled edge. (page 29)

Set differential feed at 0.6. (fig. B) Serge the fabric in the direction of greatest stretch - the crossgrain on knits, bias grain on wovens. For a "leafier" effect, try using a shorter stitch length and gently stretch the fabric as it is being sewn. Sew a test sample. (fig. C)

## Belt Loops and Button Loops

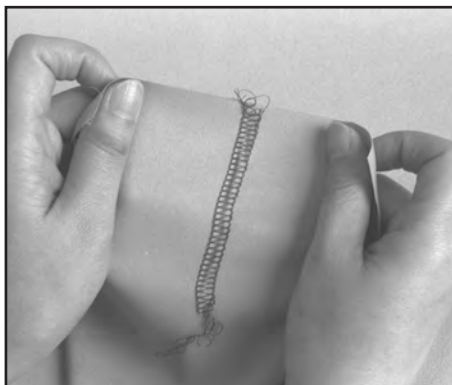
Use the rolled edge thread chain, stitched without fabric, to make professional belt loops and button loops. Using a heavy decorative thread in the upper looper forms a stronger loop.



## Returning to Standard Serging

Clear the stitch fingers and return the stitch length dial to the standard range. Set stitch width and length at the desired settings. Replace the left needle and its corresponding thread, if desired.

## 3-Thread Flatlock

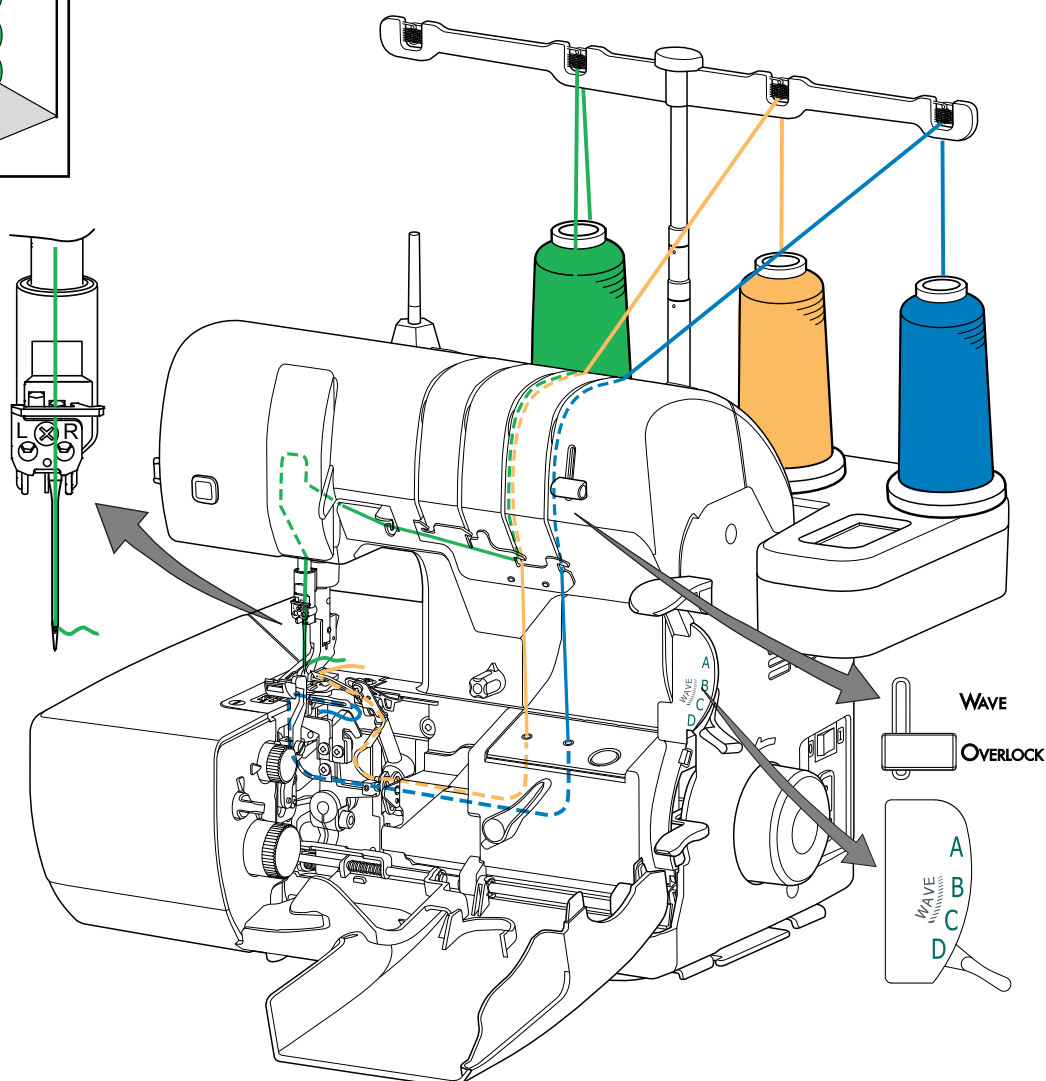
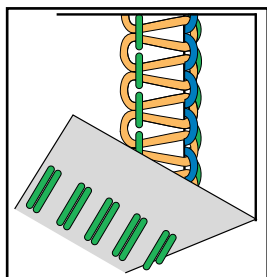


Flatlock seams are most suited to fabrics which do not ravel such as interlock knits, tricot, sweatshirt fleece and synthetic suede. The needle thread is carried below the fabric and to the cut edge of the fabric. The lower looper thread rides along the cut edge of the fabric for stability. The edges pull open and flatten within the stitch for a non-bulky join. Be sure to sew a test sample first to determine whether the stitch will have the strength to hold the seam without the fabric pulling away.

Move the stitch selector lever to "D".

For the right needle 3-thread flatlock, follow the suggested settings and the threading diagram below.

NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
right	2-3	3.0-5.0	D	OVERLOCK



## 2-Thread Overlock

The 2-thread function provides an economical and less bulky means of overedging all fabrics. The standard 2-thread overlock is the same as a 2-thread flatlock stitch.

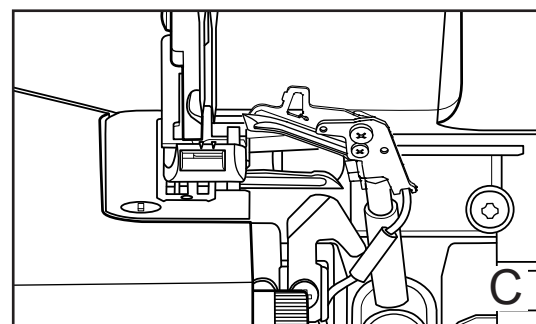
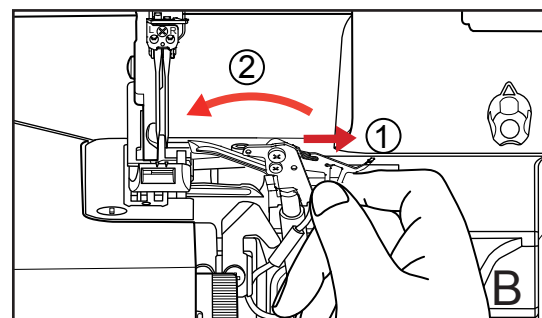
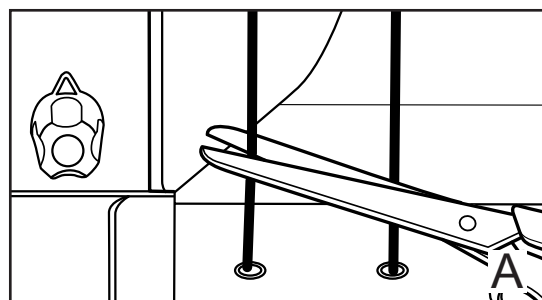
When sewn with specialty threads, 2-thread sewing makes decorative seams and edges for activewear, children's clothing, ruffles, and hemlines.

### Converting from 3-Thread to 2-Thread Overlock

Left or right needle positions can be used for 2-thread serging.

See machine threading illustrations on (page 33/34).

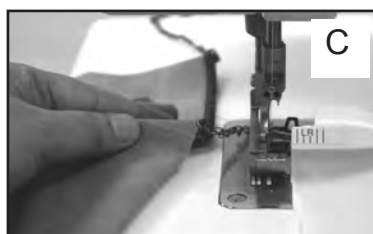
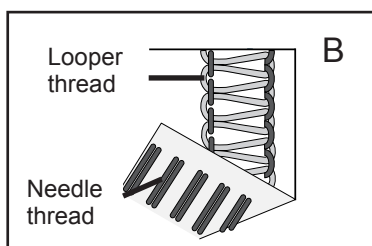
1. Open the front cover and blade cover. Cut the upper looper thread just above the threading port. (fig. A)
2. Raise the presser foot and remove the upper looper thread and needle thread from the machine.
3. Slide the subsidiary looper to the right direction and swing it counterclockwise to the left. (fig. B). Make sure the hooked tip of the subsidiary looper enters into the upper looper eye. (fig. C)
4. Place the left needle thread on the far left spool pin (or right needle thread on second from left spool pin) and bring the thread through the telescopic thread guide directly above the spool pin of thread. Bring the thread through the top pretension thread guide that is normally used for the upper looper (3<sup>rd</sup> from left), and down the front. Then take the thread to the left and thread the machine as you would for the needles in their normal position. (illustration on page 33/ 34 for correct threading.)
5. Using the RevolutionAir Needle Threader thread the eye of left or right needle. (page 20 for threading of needles)



6. Place the needle thread and looper thread under the presser foot and to the back.
7. Close the cutting blade cover and front cover.
8. The needle and lower looper threads should overcast evenly on the cut edge of the fabric.

**Note:** The cutting blade cover has been removed in illustrations B and C for a clear view.

## 2-Thread Flatlock - Wide



Sew 2-thread flatlock seams in the same way as 3-thread flatlock seams, then pull the two fabric layers apart until the seam lies flat. (fig. A) Because the threads show on the outside as well as the inside of the garment or project, the 2-thread flatlock seam is often considered a decorative application. (fig. B) Be sure to sew a test sample first to determine whether the stitch will have the strength to hold the seam without the fabric pulling away.

### For 2-thread flatlock - wide

1. Engage the threading lever in the threading position.
2. Place the needle thread on far left spool pin.
3. Thread needle thread through the upper looper pretension thread guide on top of the machine, then go down the thread path in the front of the machine. Go left with the needle thread at the hook on front of the machine. Then take the needle thread through the normal needle thread paths. (illustration below). Thread the left needle for a wide flatlock.
4. Turn the cutting blade to the "LOCK" position .
5. Engage the subsidiary looper following step 3 on page 32.
6. Thread the lower looper as shown in the illustration below.
7. Engage the threading lever in the serging position.

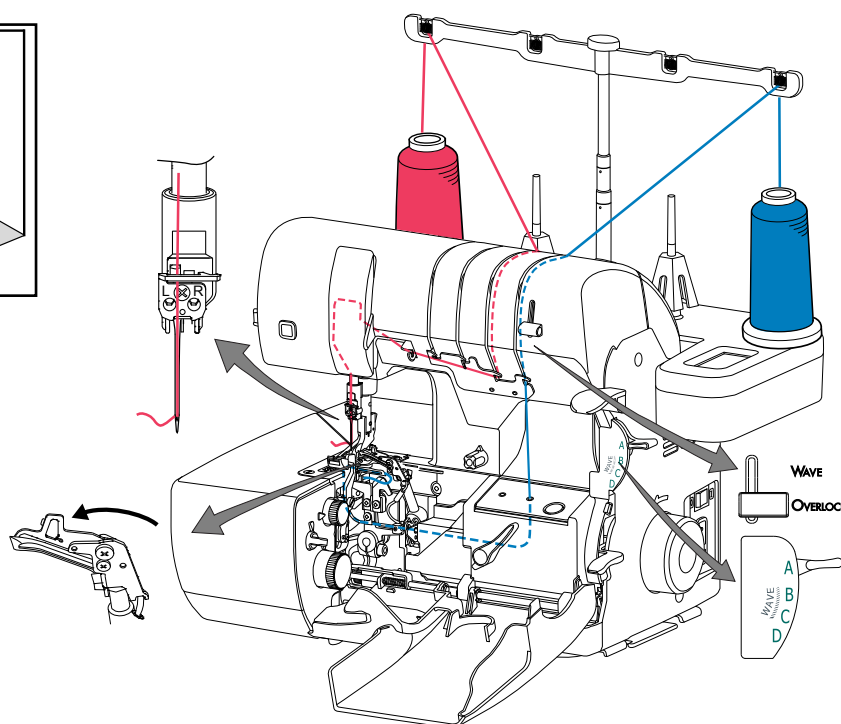
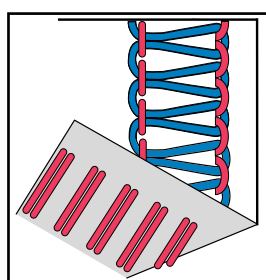
For "loops" (lower looper thread) to show on the right side, place fabric wrong sides together for sewing the seam. To produce the "ladder" (needle thread) on the outside, place the fabric right sides together. (fig. B)

Position the fabric under the presser foot, aligning the fold of the fabric 1/8 inch (3.5mm) to the left of the upper cutting blade.

**Note:** If the fabric does not pull completely flat under the stitches, guide the fabric fold to the left so that the loops hang slightly off the fold as they are being stitched. (fig.C)

Move the stitch selector lever to "A" and follow the suggested settings and threading diagram below.

NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
left	2-2.5	7.5	A	OVERLOCK



## 2-Thread Flatlock - Narrow

Sew a 2-thread flatlock seam then pull the two fabric layers apart until the seam lies flat. (fig. A)

Because the threads show on the outside as well as the inside of the garment or project, the flatlock seam is often considered a decorative application. (fig. B)

### For 2-thread flatlock - narrow

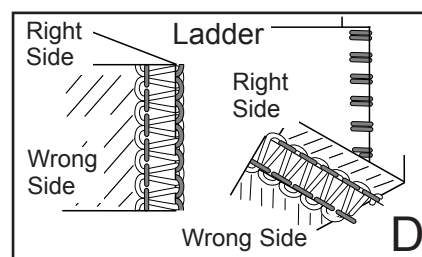
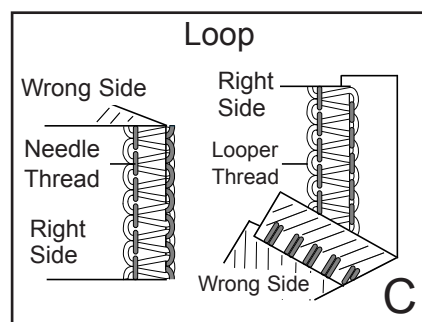
1. Engage the threading lever in the threading position.
2. Place needle thread on right needle spool pin.
3. Thread needle thread through the upper looper pretension thread guide on top of the machine, then go down the thread path in the front of the machine. Go left with the needle thread at the hook on front of the machine. Then take the needle thread through the normal needle thread paths. (illustration below). Thread the right needle for a narrow flatlock.
4. Turn the cutting blade to the "LOCK" position.
5. Engage the subsidiary looper following step 3 on page 32.
6. Thread the lower looper as shown in the illustration below.
7. Engage the threading lever in the serging position.

Before serging, decide which stitch pattern you want to have on the outside of the garment.

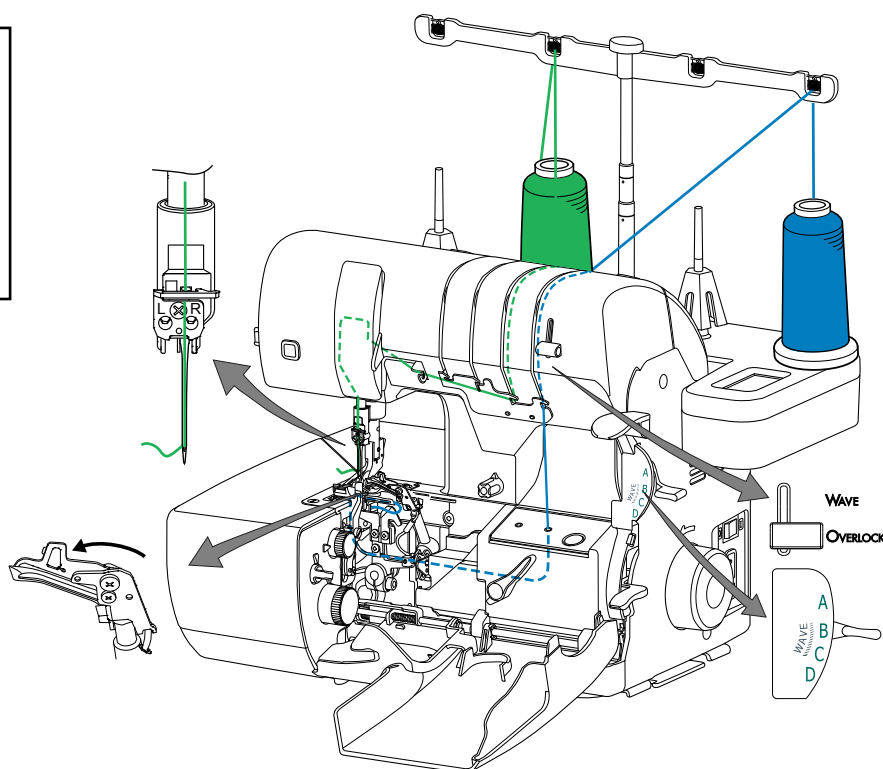
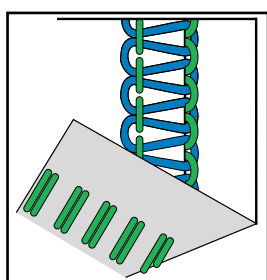
For "loops" (lower looper thread) to show, place fabric wrong sides together for sewing the seam. (fig. C)

To produce the "ladder" (needle thread) on the outside, place the fabric right sides together. (fig. D)

Move the stitch selector lever to "B" and follow the suggested settings and the threading diagram below.

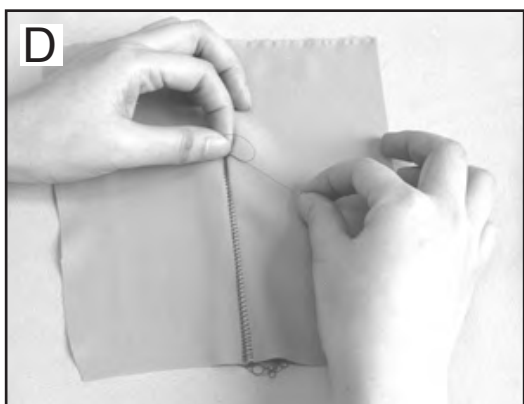


NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
right	3-3.5	3.5	B	OVERLOCK





# Flatlock "Topstitching"



The flatlock stitch need not be limited at seamlines. When sewn on a fold, flatlocking can create attractive decorative effects within the body of a garment or project. Either follow placement lines on your pattern or design your own special effects by stitching the fabric before laying out pattern pieces.

1. Set the machine for 2-thread flatlock - wide.
2. Turn the cutting blade locking dial clockwise to disengage the upper cutting blade.
3. Set the stitch length to desired setting appropriate for the thickness of your decorative thread.
4. Fold the fabric (right side or wrong side out, depending on the loop or ladder (page 34) stitch you want to show) along stitch placement lines.
5. Position the fabric under the presser foot, aligning the fold of the fabric 1/8 inch (3.5mm) to the left of the upper cutting blade. (fig. A)
6. Stitch to the desired ending point.
7. Clear the stitch fingers and chain off the fabric. (fig. B)
8. Clip threads, leaving a 3-4 inch (7.5-10cm) chain.
9. Gently pull the fabric to flatten the stitches. (fig. C)
10. Separate the chain threads and thread them through a hand sewing needle and pull them to the fabric back side. If necessary, tie a knot to secure the threads. (fig. D)

**Note:** If the fabric does not pull completely flat under the stitches, guide the fabric fold to the left so that the loops hang slightly off the fold as they are being stitched.

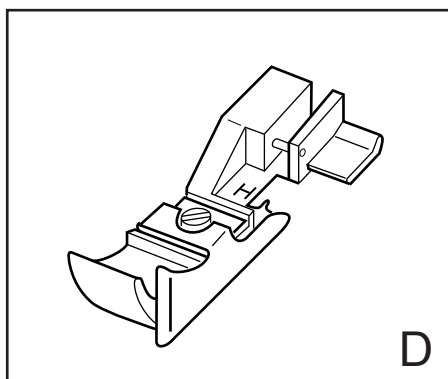
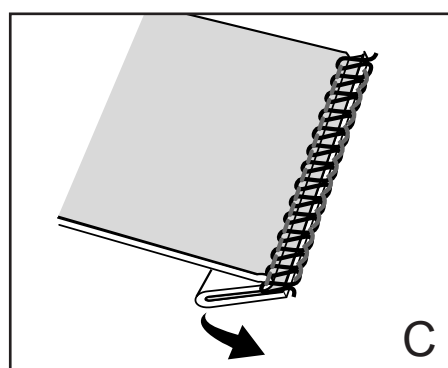
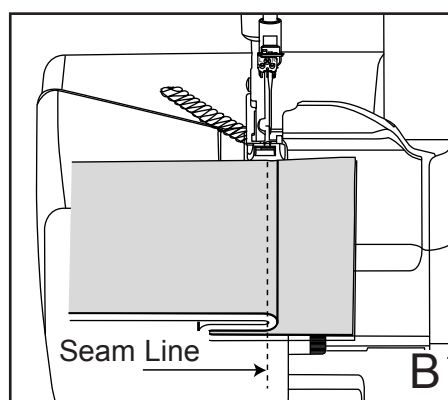
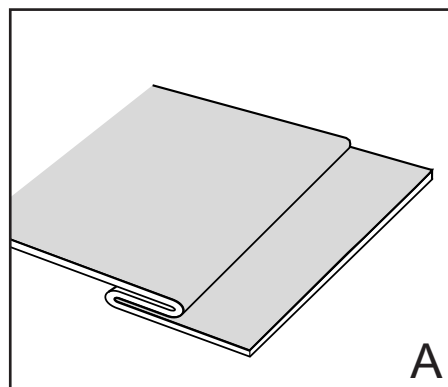
## Blind Hemming

Your Baby Lock Acclaim can create a sturdy, nearly invisible blindhem.

1. Set the machine for 2-Thread Overlock-Narrow with the right needle threaded. Set the stitch width at 5.0 and the stitch length at 4.0 in the standard range.
2. Fold up the hemline and press it in place. Then fold the hem allowance back against the fabric right side to create a fold about 1/4 " from the top edge of the hem as shown (fig. A).
3. Align the fold under the presser foot and stitch, allowing the needle to catch only a thread or two of the soft fold. (fig. B) The blade will trim the top edge of the hem and the loopers will overcast the edge for a clean finish. (fig. B)
4. Open the fold and press flat. (fig. C)

**Note:** An optional blindhem foot for consistent guiding is available through your Baby Lock retailer. (fig. D)

Refer to page 7 Optional Accessories listing for part number.



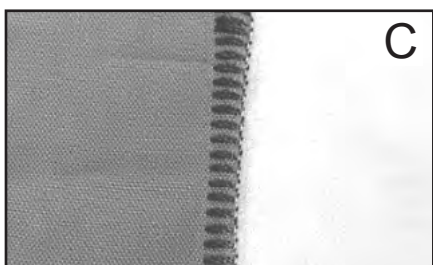
# Blanket Stitch - Decorative Stitch



A



B



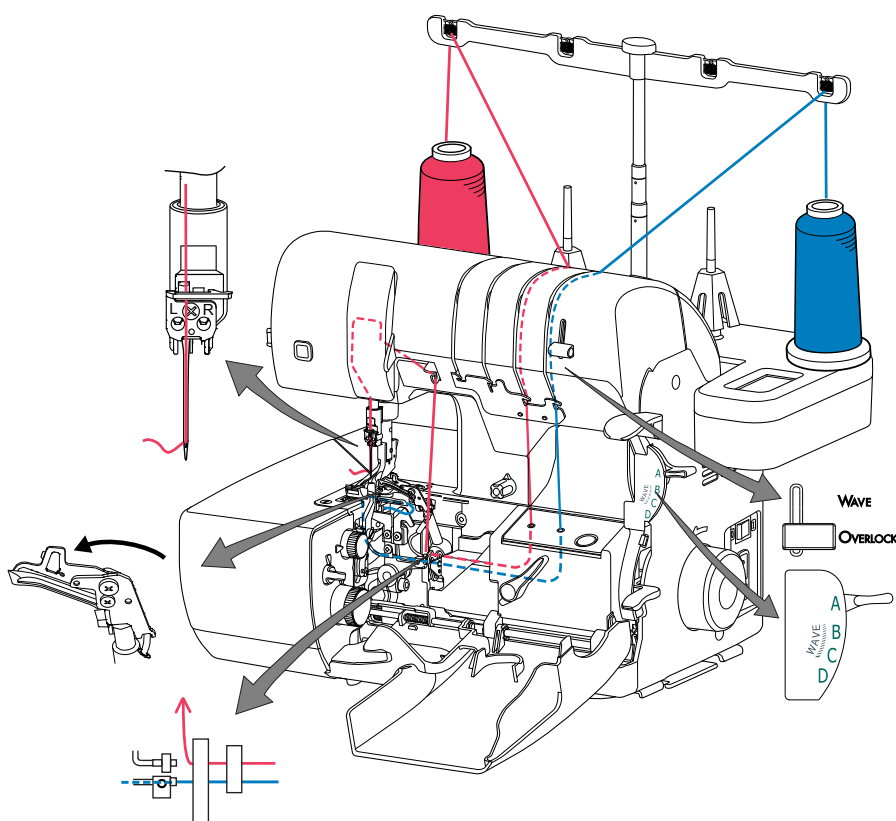
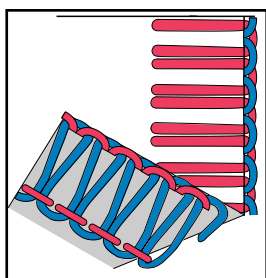
C

Set up the machine for 2-thread flatlock-wide but the needle threading path is different for this technique.

1. Insert a size 90 top stitch needle in left overlock needle position.
2. Engage the threading lever in the threading position.
3. Swing the subsidiary looper into place on the upper looper. (Refer to step 3 on page 32)
4. Thread serger sewing thread in the lower looper.
5. Place a heavy decorative thread that will be used in the left needle on spool pin and thread the needle thread through upper looper thread path.
6. Engage the threading lever to the serging position, pull the thread out of the upper looper tube and continue to thread the needle as illustrated.
7. Place water-soluble stabilizer on top of the fabric, along the edge.
8. Stitch along the edge of the fabric. (Fig. A)
9. When finished stitching, pull the water-soluble stabilizer to the right of the fabric. (fig. B) This will pull the stitching to the edge and will look like a blanket stitch. (fig. C)

For a blanket decorative stitch, follow the suggested settings and threading illustration below.

NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
left size 90 Top Stitch Needle	4.0	7.5	A	OVERLOCK

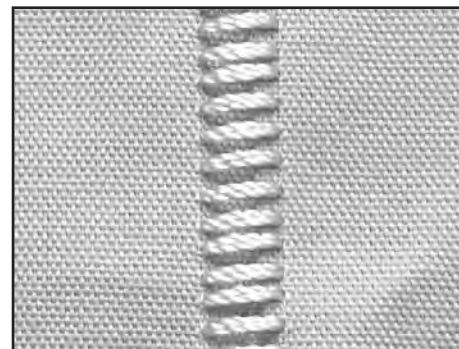
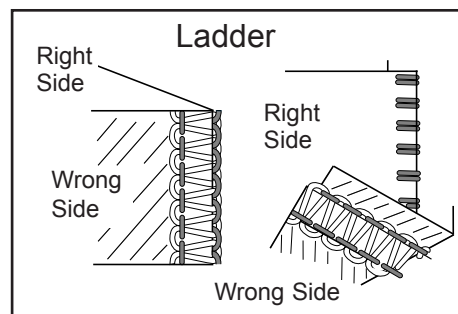




# Ladder Stitch - Decorative Stitch

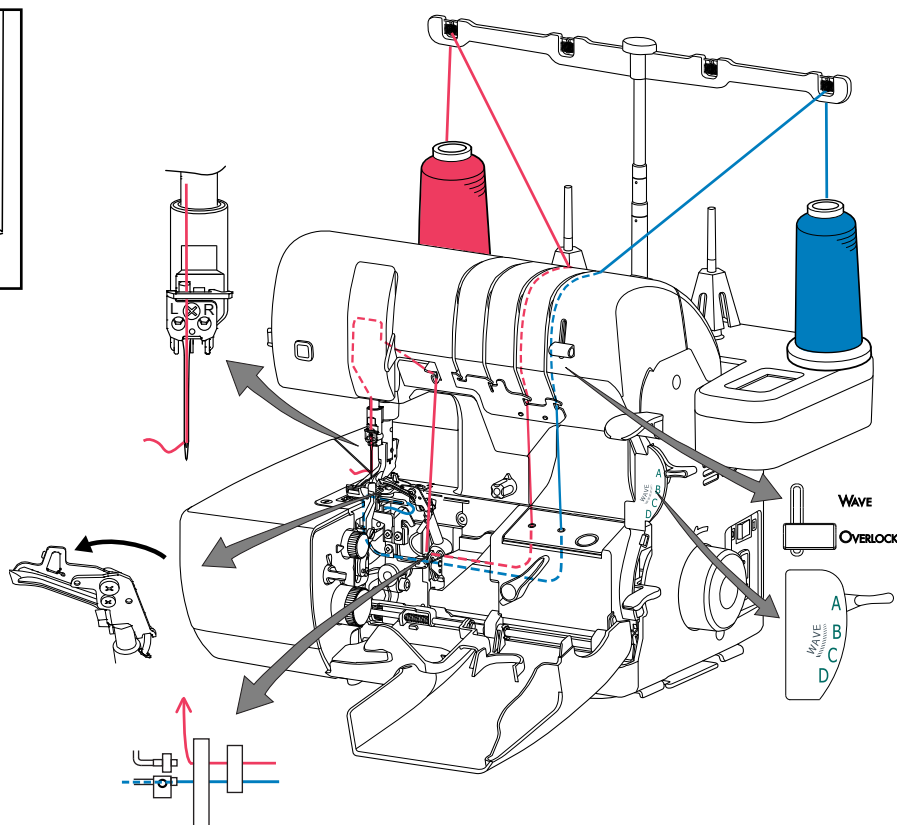
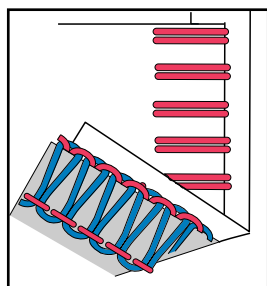
**Note:** The threading path for the needle thread is different in this technique. Please refer to the Quick Reference Threading Guide or illustration below.

1. Insert a size 90 top stitch needle in left overlock needle position.
2. Engage the threading lever in the threading position.
3. Swing the subsidiary looper into place on the upper looper. (Refer to step 3 on page 32)
4. Thread serger sewing thread in the lower looper.
5. Place a heavy decorative thread that will be used in the left needle on spool pin and thread the needle thread through upper looper thread path.
6. Engage the threading lever to the serging position, pull the thread out of the upper looper tube and continue to thread the needle as illustrated.
7. Place the fabric pieces right sides together for the decorative ladder to be on the right side of the fabric. (This can also be done on the fold as well.)
8. Sew the fabric together and gently pull open, revealing the decorative ladder stitching on the right side of the fabric.

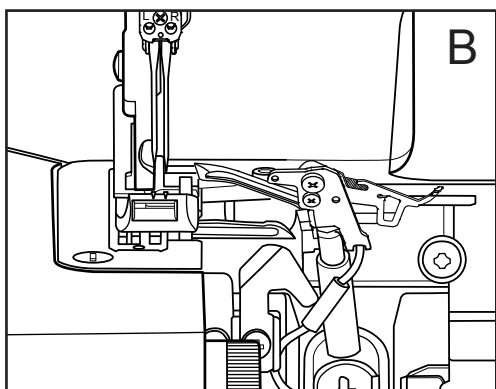
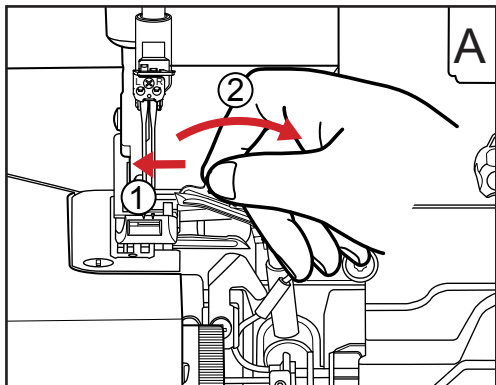


For a decorative ladder stitch, follow the suggested settings and threading illustration below.

NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
left size 90 Top Stitch Needle	4.0	7.5	A	OVERLOCK



## Returning to 3 or 4-Thread Overlock



1. Open the front cover and rotate the handwheel counterclockwise to bring the needle clamp to its highest position.
2. Slide the subsidiary looper to the left direction and swing it clockwise to the right.
3. Engage the threading lever to the threading position.
4. Rethread the upper looper (page 18). For 4-thread serging, replace the second needle. (page 19)
5. Rethread the needle. (page 20) Engage the threading lever to the serging position.
6. Close the blade cover and front cover.
7. Lower the foot and sew a test stitch.

# Wave Stitch

The Wave Stitch provides a decorative "wavy" edging on fabric. (This is not to be confused with "Lettuce Edge" on page 30). The upper looper thread and the lower looper thread gradually appear every 25 stitches to create a stitch that looks like a "Wave". When using different color specialty threads (pages 52/53) for the upper or lower loopers, the Wave stitch creates an attractive stitch for edging.

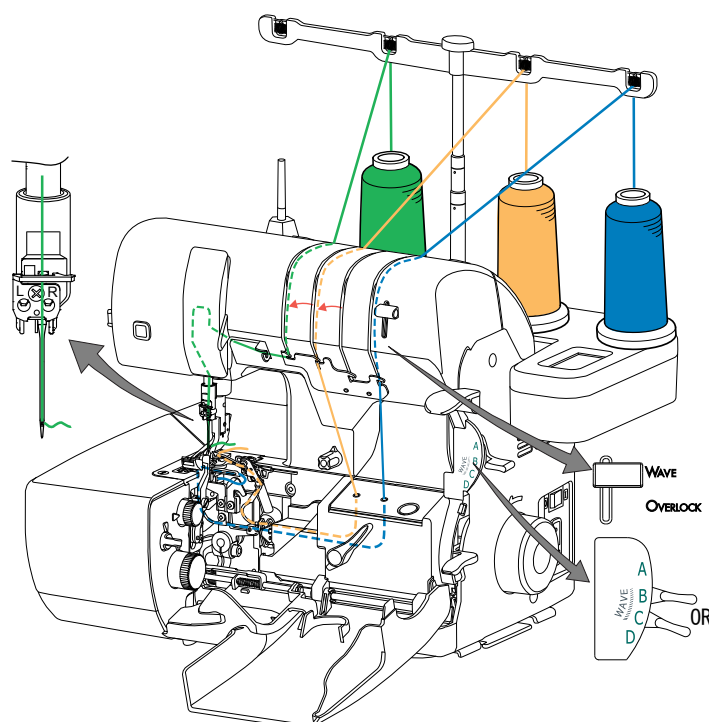
When combining decorative threads for the Wave stitch, please sew test on a sample of the fabric you will be sewing on before applying the Wave stitch to your garment.

For best results, heavier decorative threads should be limited to the upper or lower looper at one time. Not both upper looper and lower looper at the same time. Wooly nylon in the corresponding looper and serger sewing thread in the right needle will make a striking combination with the heavy decorative thread.

## Converting from Normal Serging to Wave

1. Turn the Wave/Overlock Selector lever from "OVERLOCK" to "WAVE".
2. Cut the threads from the thread cones and remove from the thread paths.
3. Engage the threading lever to the threading position. (page 17)
4. Place the right needle thread cone on the second spool pin on left.
5. Slip the right needle thread into the telescopic thread guide directly above the thread. Follow the left needle threading path down to the right needle.
6. Thread the right needle using the needle threader. (page 20)
7. Place the upper looper thread cone on the second from right spool pin.
8. Slip the upper looper thread into the telescopic thread guide directly above the thread. Follow the top threading path for the right needle thread, down the front threading path, through the chrome thread guide, and directly to the "U" threading port for the upper looper. Thread the upper looper. (page 18)
9. Place the right needle thread and upper looper thread under the presser foot and to the back.
10. Place the lower looper thread cone on the first spool pin on right.
11. Thread lower looper using the standard lower looper threading technique. (page 17)
12. Engage the threading lever to serging position.
13. Set Stitch Selector on "B" for Wave Stitch or "C" for Rolled Wave Stitch (page 41-43 for suggested settings).
14. Set Stitch Length and Stitch Width following the suggested settings on page 41-43.

**Note:** Recommended settings will vary depending on thread type and fabric.

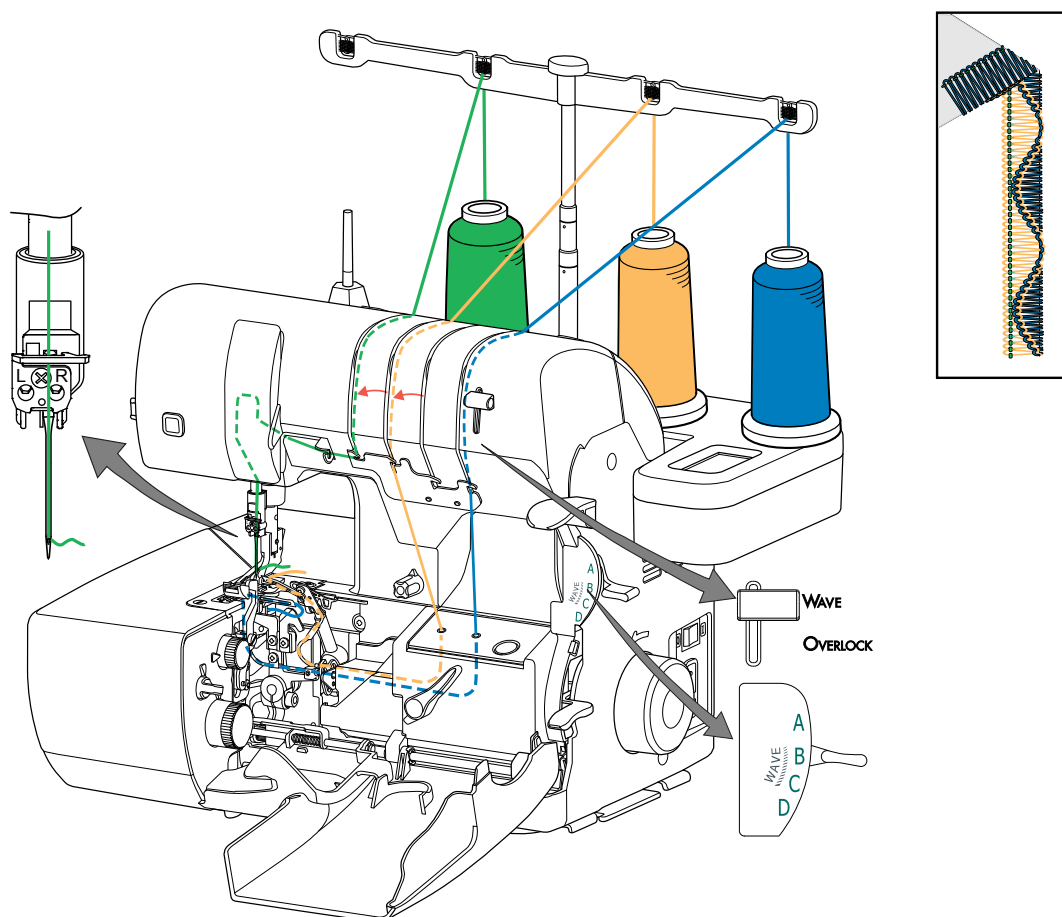


## 3-Thread Wave Stitch

1. Turn the Wave/Overlock Selector lever from "OVERLOCK" to "WAVE".
2. Cut the threads from the thread cones, raise presser foot and remove threads from the thread paths.
3. Engage the threading lever to threading position. (page 17)
4. Place the right needle thread cone on the second spool pin on left.
5. Slip the right needle thread into the telescopic thread guide directly above the thread. Follow the left needle threading path down to the right needle.
6. Thread the right needle using the needle threader. (page 20)
7. Place the upper looper thread cone on the second from right spool pin.
8. Slip the upper looper thread into the telescopic thread guide directly above the thread. Follow the top threading path for the right needle thread, down the front threading path, through the chrome thread guide, and directly to the "U" threading port for the upper looper. Thread the upper looper. (page 18)
9. Place the right needle thread and upper looper thread under the presser foot and to the back.
10. Place the lower looper thread cone on the first spool pin on right.
11. Thread lower looper using the standard lower looper threading technique. (page 17)
12. Engage the threading lever to serging position.
13. Set Stitch Selector on "B" for Wave Stitch.
14. Set Stitch Length and Stitch Width following the illustration below.

**Note:** Recommended settings will vary depending on thread type and fabric.

NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
right	0.75-2.5	5.0	B	WAVE

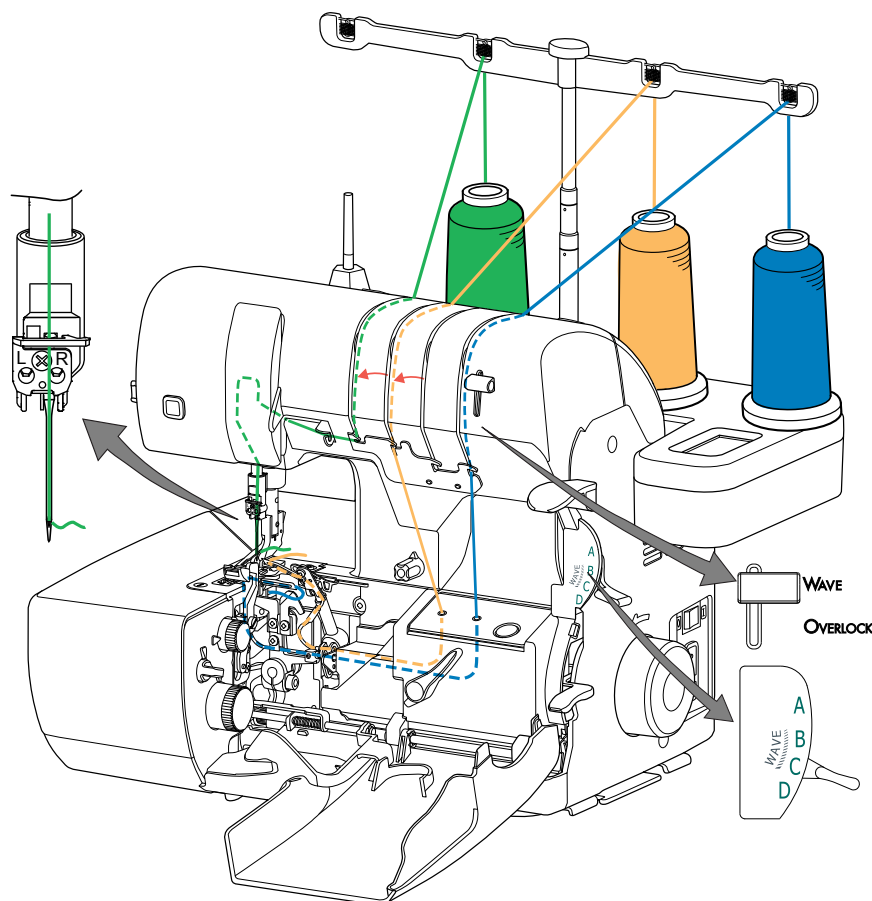


## 3-Thread Rolled Wave Stitch

1. Turn the Wave/Overlock Selector lever from "OVERLOCK" to "WAVE".
2. Cut the threads from the thread cones, raise presser foot and remove threads from the thread paths.
3. Engage the threading lever to threading position. (page 17)
4. Place the right needle thread cone on the second spool pin on left.
5. Slip the right needle thread into the telescopic thread guide directly above the thread. Follow the left needle threading path down to the right needle.
6. Thread the right needle using the needle threader. (page 20)
7. Place the upper looper thread cone on the 2nd from right spool pin.
8. Slip the upper looper thread into the telescopic thread guide directly above the thread. Follow the top threading path for the right needle thread, down the front threading path, through the chrome thread guide, and directly to the "U" threading port for the upper looper. Thread the upper looper. (page 18)
9. Place the right needle thread and upper looper thread under the presser foot and to the back.
10. Place the lower looper thread cone on the first spool pin on right.
11. Thread lower looper using the standard lower looper threading technique. (page 17)
12. Engage the threading lever to serging position.
13. Set Stitch Selector on "C" for Rolled Wave Stitch.
14. Set Stitch Length and Stitch Width following the illustration below.

Note: Recommended settings will vary depending on thread type and fabric.

NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
right	0.75-1.5R	3.0-5.0	C	WAVE



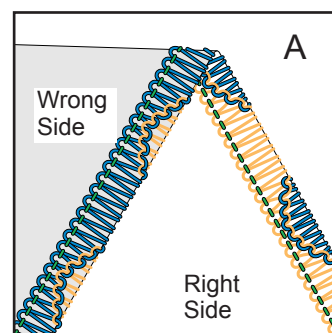


## 3-Thread Reversed Wave Stitch

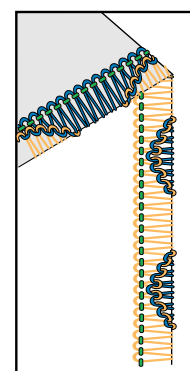
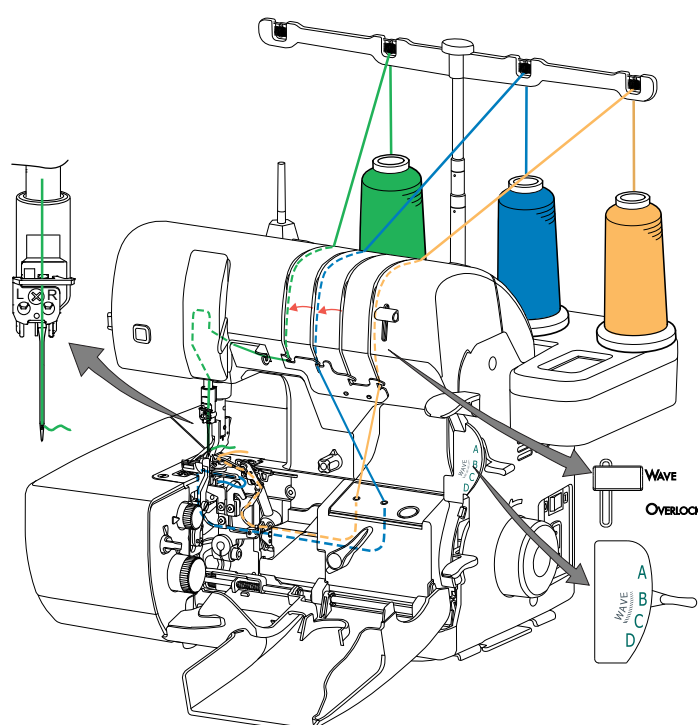
You can also get the wave stitch in the back of fabric by crossing the upper and lower looper threads before the threading ports. This Reversed Wave Stitch is attractive for an expressive stitch with decorative cover stitches. (fig. A)

1. Move the Wave/Overlock Selector lever from "OVERLOCK" to "WAVE".
  2. Cut the threads from the thread cones, raise presser foot and remove threads from the thread paths.
  3. Engage the threading lever in threading position, for threading the loopers. (see page 17)
  4. Place the right needle thread cone on the second spool pin on left.
  5. Slip the right needle thread into the telescopic thread guide directly above the thread. Follow the left needle threading path down to the right needle.
  6. Thread the right needle using the needle threader. (see page 20)
  7. Place the upper looper thread cone on the second from right spool pin.
  8. Slip the upper looper thread into the telescopic thread guide directly above the thread. Follow the top threading path for the right needle, down the front threading path, through the chrome thread guide, and directly to the "L" threading port for the lower looper. Thread the lower looper. (page 17)
- Note:** This upper looper thread which goes into lower looper through "L" threading port appears as wave stitch on the back side of fabric.
9. Place the thread cone on the LOWER LOOPER spool pin.
  10. Thread lower looper using standard lower looper threading technique. (Refer to Steps 2 - 5 on page 17) The only difference regarding standard threading is you use the "U" threading port instead of the "L" port.
  11. Place the right needle thread and the lower looper thread from the eye of the upper looper under the presser foot and to the back.
  12. Engage the threading lever in the serging position.
  13. Set Stitch Selector on "B" for Wave Stitch.
  14. Set Stitch Length and Stitch Width following the illustration below.

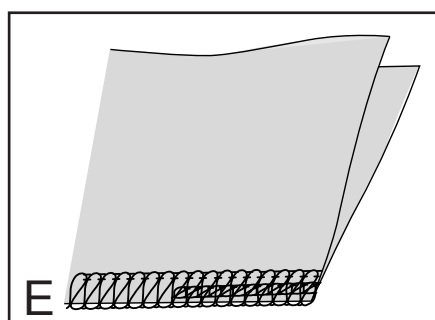
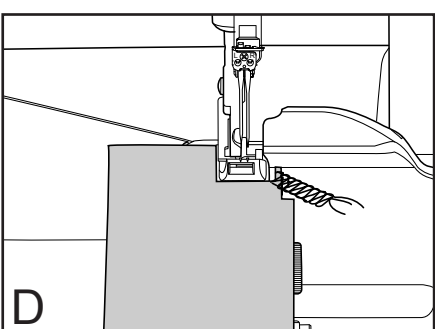
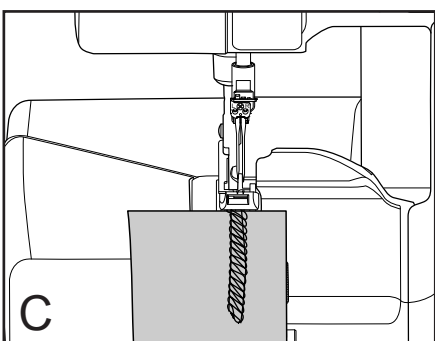
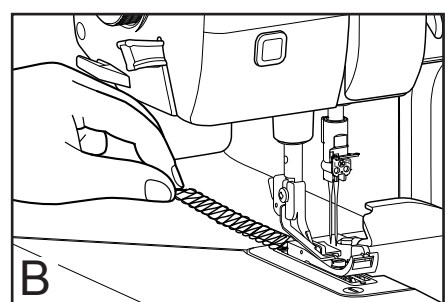
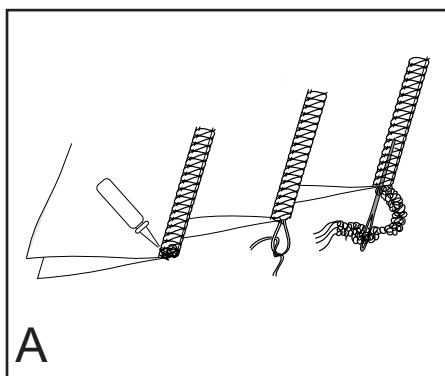
**Note:** It is not recommended to use reversed rolled wave.



NEEDLES	LENGTH	WIDTH	STITCH SELECTOR	WAVE/OVERLOCK SELECTOR
right	0.75-2.5	5.0	B	WAVE



## Securing Ends



The serger stitch will not unravel readily, and in most cases serged seams are secured by an intersecting seam. If that's not the case, there are several options for securing a seam. (fig. A)

1. Leave a 3 inch (7.5cm) chain, separate the threads and tie a knot.
2. Apply a dot of seam sealant on the thread chain at the fabric edge. Allow to dry and cut off the excess thread chain.
3. Leave a 3-4 inch (7.5-10cm) thread chain and use a large-eye tapestry needle or double-eye needle to weave the chain back into the stitching.
4. Lock the beginning or end of a seam by serging over the previous stitches.

### To lock the beginning of the seam:

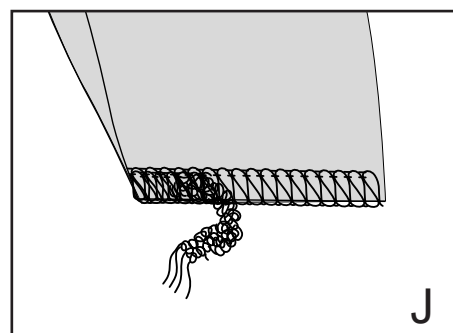
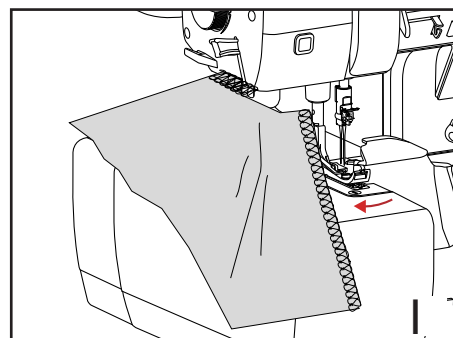
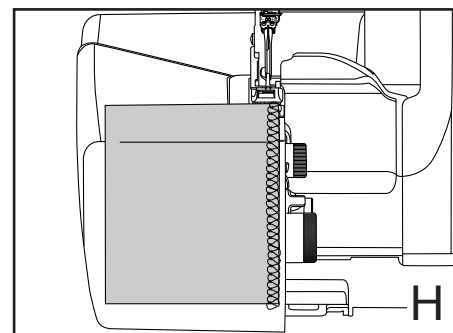
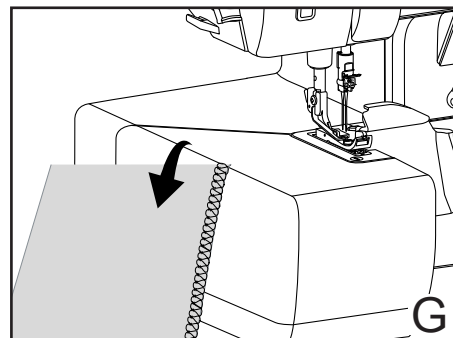
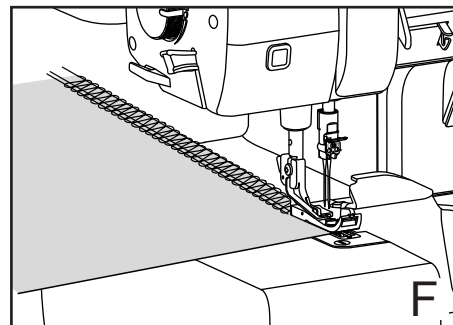
1. Manually turn the handwheel toward you taking 2-3 stitches into the fabric. Leave the needle(s) in the lowest position to anchor the fabric.
2. Raise the presser foot.
3. Smooth out the thread chain with your fingers. (fig. B) Then bring the chain around and under the foot, so that it aligns with the edge of the fabric. (fig. C)
4. Lower the foot and continue sewing, catching the thread chain in the stitches for about 1inch (2.5cm). Let the blades cut off any remaining thread chain (fig. D-E).



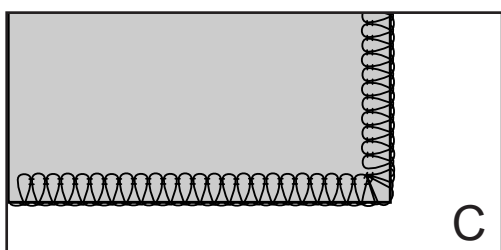
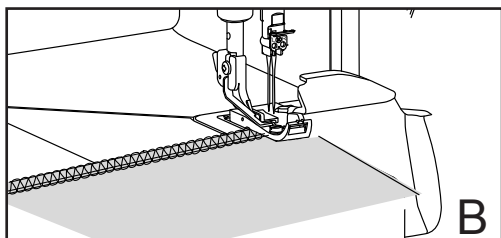
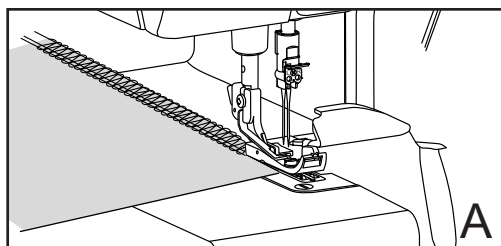
## Securing Ends (Cont.)

### To lock the end of the seam:

1. Take one stitch off the end of the seam. (fig. F)
2. Raise the presser foot and bring the needle(s) to the highest position. Pull back gently on the fabric to clear the stitch fingers.
3. Turn the fabric over with the wrong side of the stitch facing up (fig. G), and reposition it under the presser foot with the needle at the seam edge, aligned with the previous needle line. (fig. H)
4. Lower presser foot and sew 5-6 stitches over the previous stitches, being careful not to cut them. You may want to turn the cutting blade locking dial clockwise to the lock position. Pivot the fabric and chain off. (fig. I-J)



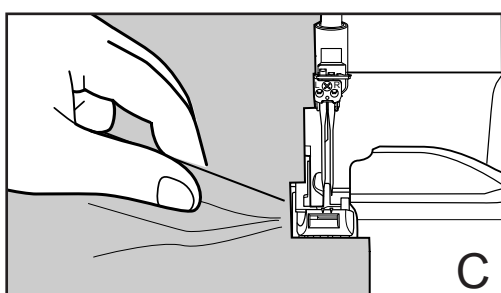
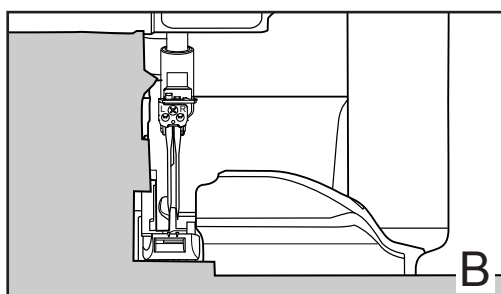
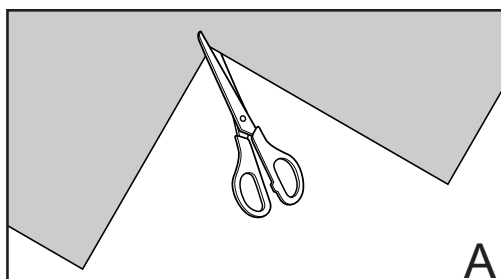
## Turning Outside Corners



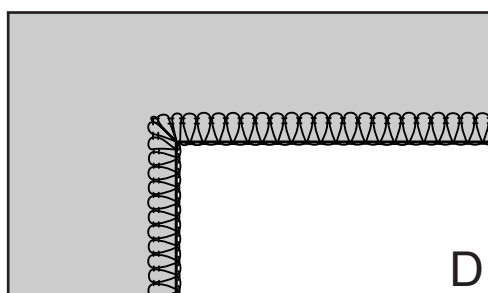
1. Stitch along one edge until you reach the corner. Take one stitch off the edge of the fabric (fig. A).  
(As you approach the edge, you may want to stop and manually turn the handwheel towards you.)
2. Raise the needle(s) to the highest position.
3. Clear the stitch fingers, and rotate the fabric to reposition the needle at the previous row of stitching. (fig. B) Gently pull up on all threads to remove slack and resume stitching. (fig. C)

**Note:** A loose thread loop at the corner is caused by too much slack in the needle thread when clearing the stitch fingers. Try again, turning corners takes a little practice!

## Turning Inside Corners



1. Reinforce loosely woven fabrics at the corner with staystitching on the conventional sewing machine. Clip to the corner. (fig. A)
2. Align the fabric edge with the blade, and stitch until the blade reaches the corner, not the needles. Don't cut into the corner. (fig. B)
3. Lower the needle(s) to anchor the fabric.
4. Raise the presser foot and straighten out the fabric edge, forming a fabric pleat at the corner. (fig. C)
5. Be sure the marked stitching line is straight, then continue serging the remaining edge. When done correctly, the pleat will disappear after stitching. (fig. D)



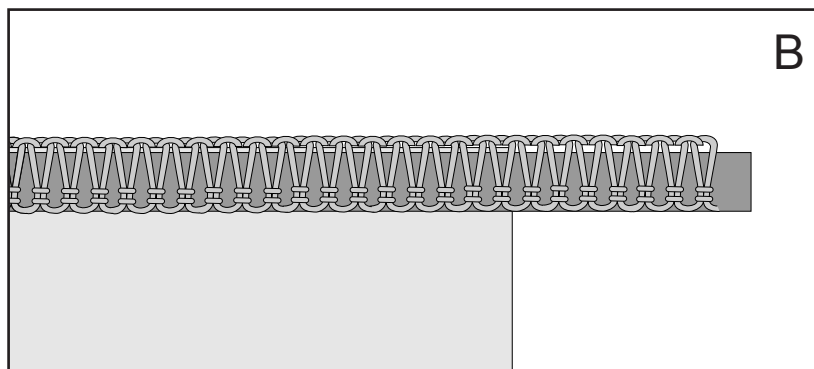
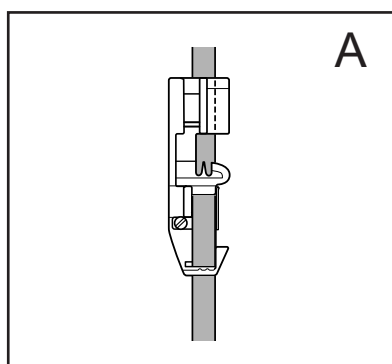
## Serging Curves

To serge around inside or outside curves, guide the fabric into the cutting blade, not the needle(s). Remember, cutting takes place before the fabric reaches the needle. Because the long serger presser foot holds the fabric more securely, you may need to raise and lower the presser foot several times to maneuver around very tight curves.

## Inserting Tapes

The slots in the standard presser foot are designed to guide stabilizing tape, narrow elastic or decorative ribbon into the stitching. Insert tape, elastic or ribbon into the slot and under the back of the foot. (fig. A)

Adjust the stitch width to match the tape width. Place the fabric under the foot and stitch. (fig. B)

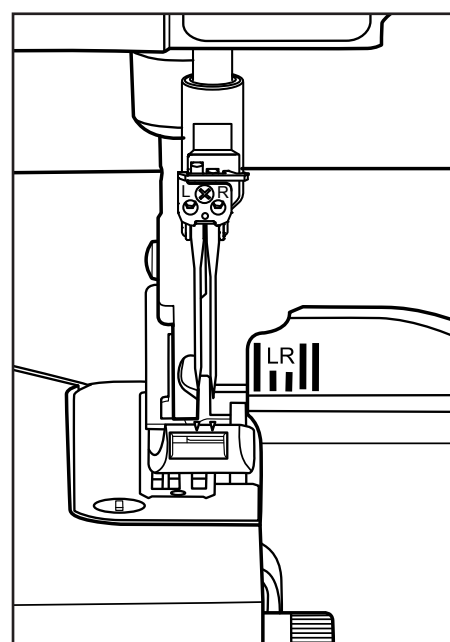


## Cutting Blade Cover Seam Guide

Use the marks on the cutting blade cover and set the width dial at "M" to align the fabric for accurate seam allowances. When using the left needle, the second mark "L" from the needle indicate 5/8 inch (16mm) from the cutting edge to the needle.

Use the right needle and the third mark "R" from the needle to indicate 5/8 inch (16mm) from the cutting edge to the needle.

**Note:** Be sure to set the width dial at the "M" setting for accurate seam allowances.



## Using Specialty Threads

Beautiful stitches can be formed by serging with specialty threads, cords and ribbons. These heavier or shinier threads can be used to enhance appearance, add strength or elasticity, or create special effects, depending on the thread you choose.

Some specialty threads work well through the needle and loopers. There are some that are too heavy for the needle and should only be used in the loopers.

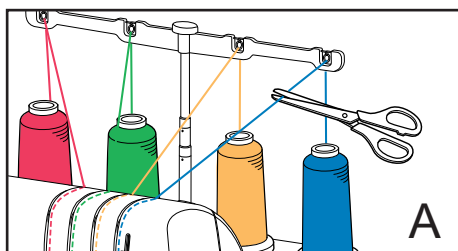
Use the Specialty Thread chart on pages 52/53 as a guide keeping in mind that the threads can vary from one manufacturer to another. It is best to sew test for best results.

**Note:** Thicker threads require longer stitch length.

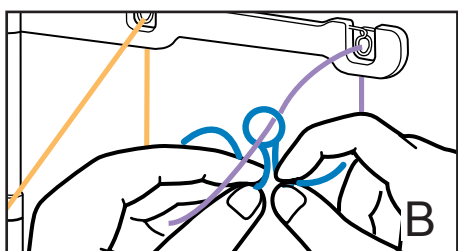
## Threading Lightweight Thread

Specialty thread used in the needle can be threaded in the usual way. The ease with which they can be threaded in the loopers, however, depends on thread thickness.

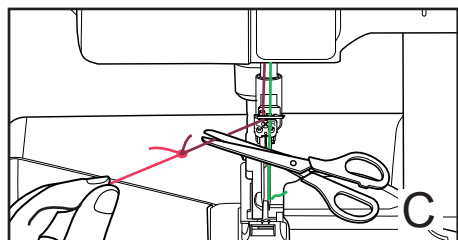
## Changing Threads



1. Clip the existing thread at the cone and remove the cone from the spindle. (fig. A)
2. Place the new cone on the spindle. With the two threads together, tie an overhand knot or square knot. (fig. B)
3. Raise the presser foot, and pull the old thread from under the foot until the new thread comes through the machine.



**Note:** When changing a needle thread, pull the thread through until it reaches the needle eye. Then clip off the knot (fig. C) and rethread the needle eye manually or with the needle threader.



## Threading Medium Weight Thread

**Medium weight threads**, including topstitching thread, Decor rayon and stretch nylon thread, are too bulky to form a knot that would fit through the threading port, but they can slip through the hole with the aid of a thread "cradle" made from regular serger thread (page 50).

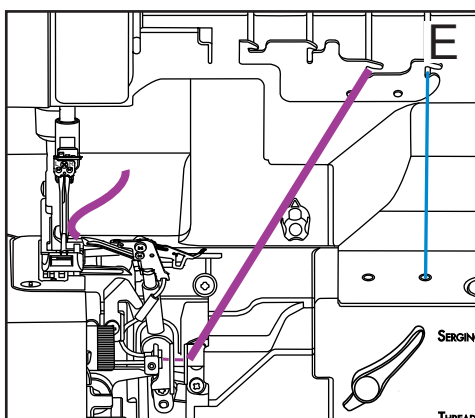
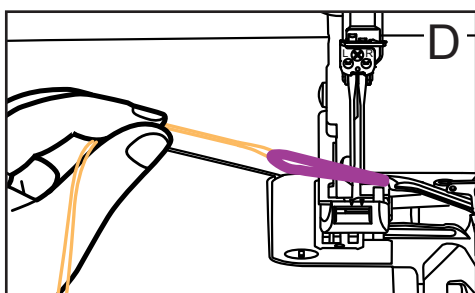
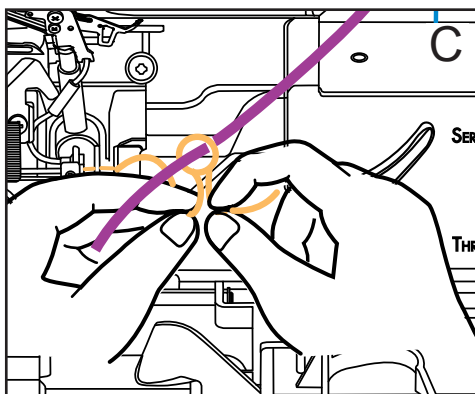
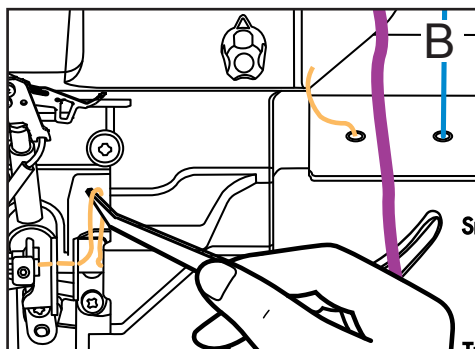
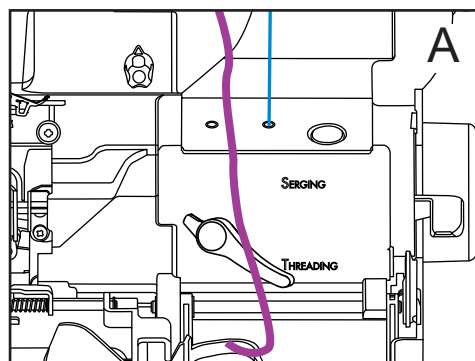
# Bypassing the Threading Port

**Heavy weight threads** can be used through your regular looper thread paths. Specific techniques may require that the thread bypass the thread port for the thread pull to be loosened. Start with the machine threaded with regular serger thread.

1. Open front and cutting blade covers and then raise the presser foot.
2. Just above the threading port, clip the looper thread to be replaced. Pull the thread out of the upper guides and remove the cone.
3. Place the specialty thread on the spool pin. Thread it into the upper guides and clip it a couple of inches beyond the base plate. (fig. A)
4. With machine engaged in the serging position, hold the thread end at the looper eye and use the tweezers to pull the existing looper thread out of tube extending from the threading mechanism. (fig. B) Leave the thread in the tubular looper.
5. Tie the specialty thread onto the regular thread with an overhand knot. (fig. C) Pull on the regular thread from the looper eye until the specialty thread comes through the looper eye.
6. Place upper looper thread under the foot and to the left: clip lower looper thread at the base plate.

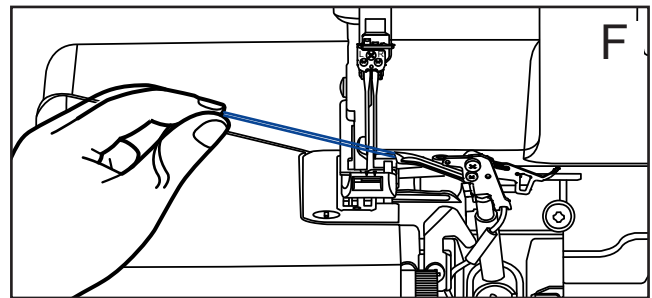
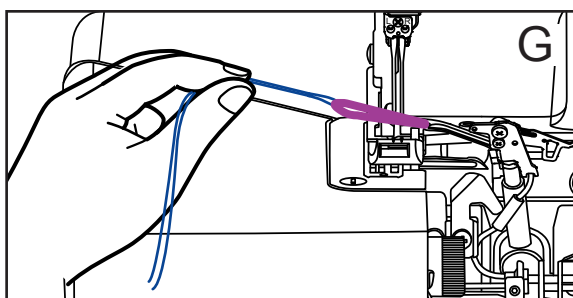
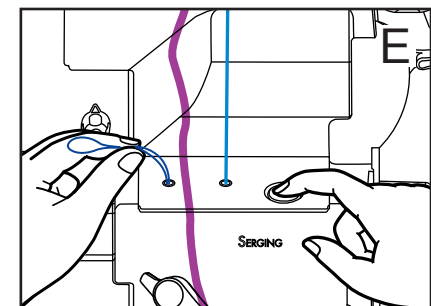
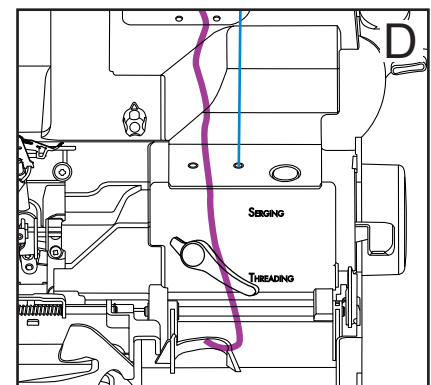
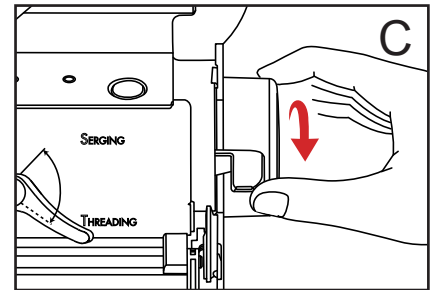
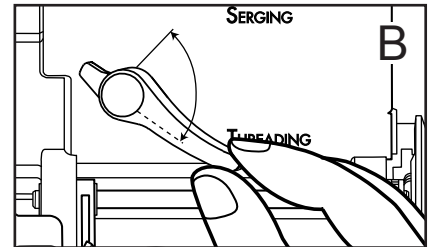
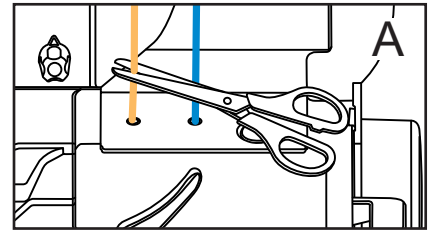
If the thread is heavy and the overhand knot (step #5) is too large for the looper tube, (follow directions #1 thru #6 on page 50) to make a thread cradle. Then:

1. Engage in the serging position.
2. While holding the loose ends of the thread cradle with one hand, use the tweezers to pull the cradle loop out of the tube extending from the threading mechanism with the other hand.
3. Insert 2 inch (5cm) of your decorative thread into the cradle loop. Pull on the loose ends of the thread cradle from the looper eye until the specialty thread comes through the looper eye.



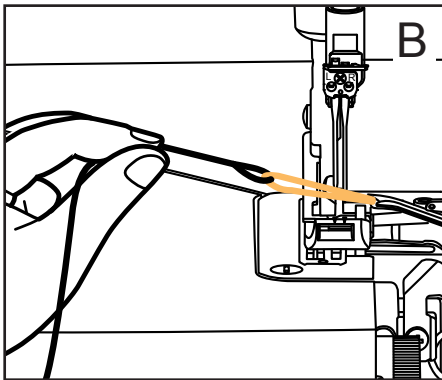
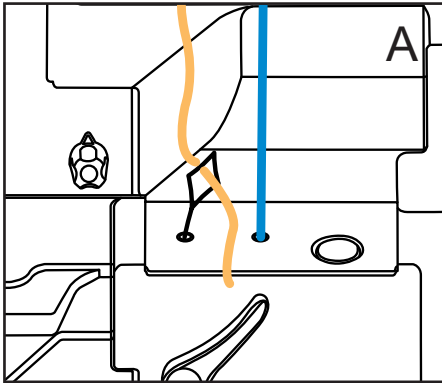
# Thread Cradle for Loopers

1. Open the covers, and then raise the presser foot.
2. At the threading port, clip the looper thread that is to be replaced. (fig. A) Remove thread from under the foot and the upper thread guides. Replace cone of thread with specialty thread.
3. With the threading lever engaged in the threading position (fig. B) turn handwheel towards you to close looper tubes. (fig. C)
4. Thread specialty thread into the upper thread guides, leaving an 18 inch (40cm) tail above the threading port. (fig. D)
5. Cut a 24 inch (55cm) strand of serger thread and fold in half to form a thread cradle. Insert the loose ends of the thread cradle into the port about 1/2 inch (1.2cm).
6. Holding the cradle loop with your left hand, depress the "Push to Thread" Button with your right hand (fig. E) until the thread ends come out the looper eye. For chain looper, open side door of machine to make sure thread is in eye of chain looper.
7. Insert the specialty thread tail into the cradle loop (fig. F), pull the serger thread ends until the specialty thread comes through the looper eye. (fig. G) Discard or set aside the thread cradle.
8. Place upper looper thread under the foot and to the left, cut lower looper thread to 4 inches (10cm) and leave it hanging loose.





# Looper Threading Tool



1. Open the front and cutting blade covers, and then raise the presser foot.
2. At the threading port, cut the looper thread that is to be replaced. Remove thread from under the foot and the upper thread guides. Replace cone of thread with specialty thread.
3. With machine engaged in threading position.
4. Thread specialty thread into the upper thread guides, leaving an 18 inch (45cm) tail above the threading port.
5. Place the straight end of the looper threading tool into the threading port. Push the looper threading tool until the end comes out of the looper eye.
6. Insert the specialty thread tail into the looper threading tool eye. (fig. A) Pull the straight end of the looper threading tool through the looper eye bringing the specialty thread with it. (fig. B)

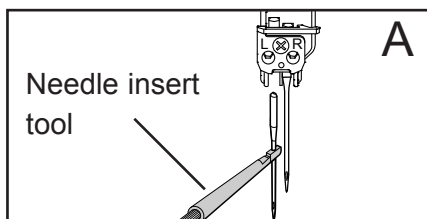
# Specialty Thread Guide Chart

	Topstitching Buttonhole Twist	Woolly Nylon Thread	Machine Embroidery Metallic Threads
APPLICATION	Edging or flatlock seaming for sportswear and home décor items.	Soft stretchy seams on lingerie, swimwear, active wear, and for rolled edge stitch.	Decorative edges for clothing, gift items, home décor, etc.
4-Thread Seaming	Yes	Yes	Yes For exposed edges only
3-Thread Seaming	Yes	Yes	Yes For exposed edges only
2-Thread Flatlock	Yes	Yes	Yes In lower looper
4-Thread Edging	Yes	Yes	Yes
3-Thread Edging	Yes	Yes	Yes
3-Thread Rolled Edge	Use in upper looper only	Yes	Use in upper looper only
3-Thread Wave	In upper or lower looper. Not in both loopers at once	In upper or lower looper. Not in both loopers at once	In upper or lower looper. Not in both loopers at once
3-Thread Rolled Wave	Use in upper looper only	In upper or lower looper. Or both loopers	In upper or lower looper. Or both loopers
Blanket Stitch	In needle only	In lower looper	Not recommended
Ladder Stitch	In needle only	In lower looper	In needle only
COMMENTS	When using decorative thread in the needle use a size 90 Top Stitch needle for best results.	Can be used in the needle	Varies greatly with manufacturer. Avoid thread with coarse metal fibers.  Sew test before sewing on project.

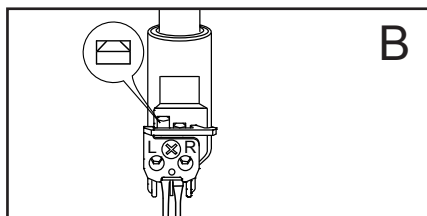
# Specialty Thread Guide Chart (Cont.)

	Clear Nylon Monofilament	Machine Embroidery Threads: Rayon and Polyester, 30, 40, 50 weight. Lingerie Thread	Designer 6 Pearl Crown Rayon Candlelight Jeans Stitch Ribbon Thread
<b>APPLICATION</b>	Techniques requiring the thread to be invisible such as blind hemming	Lingerie and lightweight fabrics, edging of fine fabrics, delicate rolled hems.	Decorative edging, flat-locking, rolled hem, wave stitch, rolled wave stitch, etc.
<b>4-Thread Seaming</b>	Not recommended	Lingerie thread for seams.	Not recommended for seaming
<b>3-Thread Seaming</b>	Blind hemming	Lingerie thread for seams.	Not recommended for seaming
<b>2-Thread Flatlock</b>	Blind hemming	Lingerie thread for seams.	Use in the lower looper
<b>4-Thread Edging</b>	Not recommended	Machine embroidery thread only.	Use in the upper and lower loopers.
<b>3-Thread Edging</b>	Not recommended	Machine embroidery thread only.	Use in the upper and lower loopers.
<b>3-Thread Rolled Edge</b>	Lengthen stitch slightly	Machine embroidery thread in upper looper	Use in the upper looper only (Excluding Ribbon Thread)
<b>3-Thread Wave</b>	Not recommended	Machine embroidery thread in the upper and lower loopers.	Use in the upper looper or lower looper. Not both loopers at once.
<b>3-Thread Rolled Wave</b>	Not recommended	Machine embroidery thread in the upper looper.	Use in the upper looper only
<b>Blanket Stitch</b>	Not recommended	Not recommended	Use in the needle only with a size 90 Top Stitch needle (Excluding Ribbon Thread)
<b>Ladder Stitch</b>	Not recommended	Not recommended	Use in the needle only with a size 90 Top Stitch needle (Excluding Ribbon Thread)
<b>COMMENTS</b>	Make sure to use a soft pliable monofilament thread Sew at a slower speed.	Use thread nets to prevent the thread from falling off the spool and getting tangled.	Be sure to check the recommendations above for best results. Sew test before applying to the project.

## Replacing Needles

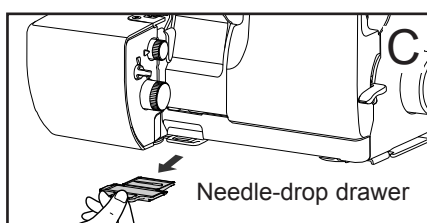


1. Raise the needle to the highest position by turning the handwheel toward you.
2. Using the Allen screwdriver from the accessory pouch, loosen the needle screw for the needle to be changed. "L" screw for the left needle and "R" screw for the right needle as shown in. (fig. A)



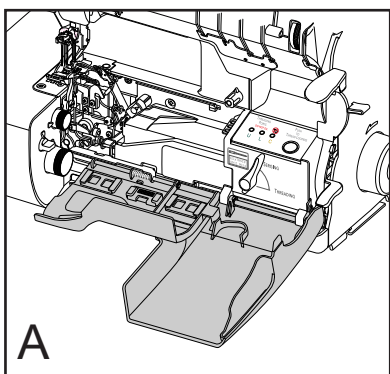
**Note:** To prevent the needle from falling into the needle plate, hold it with the needle insert tool as you loosen the needle screw. (fig. A)

3. Use the needle insert tool or tweezers to insert the new needle with the flat side to the back. Insert the needle as far as it will go. Check the needle viewing window. (fig. B)
4. Tighten the needle screw.



**Note:** If you do drop a needle down into the machine just pull out the needle-drop drawer at the bottom of the serger. The needle will be on the drawer. (fig. C)

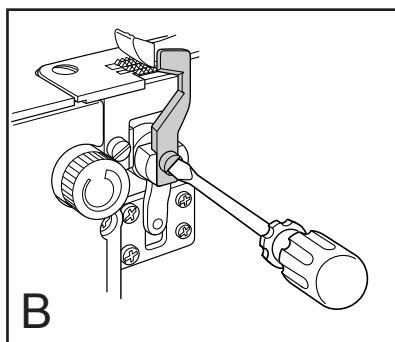
## Replacing Cutting Blades



The lower fixed blade is made of a special long lasting steel and does not require frequent replacement. If necessary, contact your nearest Baby Lock retailer for replacement of this blade.

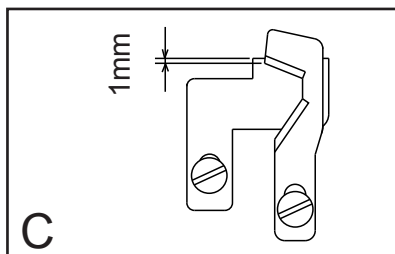
The upper moving blade is made of a softer steel material and will require replacement. A spare blade is provided with the machine for replacement, if necessary. The spare blade is located in the thread spool stand accessory compartment.

If for some reason your machine does not cut or perform as it should, please take your machine to your nearest Baby Lock retailer. It is possible that the result of poor cutting may indicate other problems.



**To replace the upper moving blade,** follow below instructions.

1. For safety reasons, unplug main power cord.
2. Open front cover and cutting blade cover. (fig. A)  
Remove presser foot.
3. Turn handwheel so upper moving blade is in its highest position.
4. Remove screw and upper blade. (fig. B)
5. Insert new blade into blade slot.
6. Insert screw and hold moving blade in its highest position while tightening the screw.
7. To finalize position of upper blade, turn handwheel so that the moving blade is in its lowest position. Loosen the screw so that the moving blade can be lowered to 1mm overlap of the top of the fixed blade. (fig. C)  
Tighten the screw.
8. Close cutting blade cover and front cover. Replace the presser foot.
9. Rotate the handwheel one turn to ensure smooth operation of the machine.



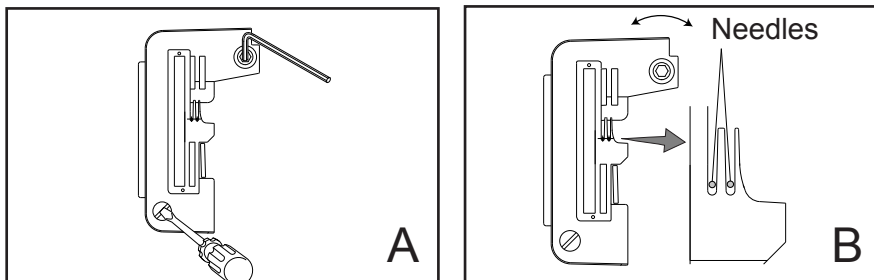
## Cleaning

Your Baby Lock will operate at best performance if it is kept clean at all times. The serger's cutting action creates much more lint than you will find on conventional sewing machine.

Your serger's major moving parts are well protected and do not need to be oiled. However, we recommend that you use the cleaning brush often during garment construction in order to keep lint off the blades, the needle bar, the feed dog mechanism and loopers. If machine needs to be oiled, check with your nearest Baby Lock retailer for use of high grade recommended sewing machine oil.

### TO REMOVE NEEDLE PLATE PROCEED AS FOLLOW:

1. For safety reasons, unplug main power cord.
2. Raise and remove presser foot.
3. Select stitch length dial to rolled hem setting.
4. Remove needles from needle clamp.
5. Turn your handwheel until the upper looper is in the far right position.
6. To remove the needle plate, remove front screw with screwdriver and back screw with Allen wrench. (fig. A)
7. With your right hand, first raise the needle plate in front of the blade. Pull slightly to the right, then remove to the left.
8. Replace in reverse procedure.
9. Finally, position the needle plate so that the needles lower in the center of each hole on the needle plate. (fig.B) Then tighten both screws.



## Replacing LED Lighting

Your Baby Lock Acclaim is equipped with long-life LED lighting system, which is not necessary to change bulbs.

In case of replacing LED unit, please contact your authorized Baby Lock retailer.

# Troubleshooting

Before taking your machine in for service, check the following:

## Machine fails to start:

1. Are electrical plugs properly connected?
2. Is the power switch on?
3. Check household circuit breaker or fuse.
4. Is the threading lever in the serging position?
5. Are all machine covers closed securely?
6. Is presser foot down?

## Thread breaks:

1. Is the machine threaded correctly? Check each thread path carefully.
2. Is the needle inserted correctly?
3. Is the needle bent and worn?
4. Is the stitch selector on the proper setting?
5. Are you using good quality thread?
6. Is the thread feeding off the cone/spool freely?
7. Is the needle size correct for the type of fabric being used?
8. Are the needles being used the correct Organ or Schmetz HAx1SP/CR system?

## Skipped Stitches:

1. Is the needle bent or worn?
2. Is the needle inserted correctly?
3. Is the serger threaded correctly?
4. Is the presser foot pressure right for the fabric?
5. Is the correct needle being used for the particular stitch?
6. Is the correct needle being used for the type of fabric being sewn?
7. Is the fabric being pulled from the rear of the machine while sewing?

## Fabric will not feed in machine:

1. Is the machine engaged in the serging position?
2. Is the presser foot down?
3. Are the cutting blades sharp?
4. Are the cutting blades, presser foot, and feed dogs free of lint?
5. Are the cutting blades properly set and is the upper blade against the lower blade?
6. Is the presser foot pressure right for the fabric?
7. Is the stitch length set properly?
8. Is the needle plate secure on the machine?

## Stitch is Unbalanced:

1. Is the serger threaded correctly?
2. Is the stitch selector on the proper setting?
3. Is the thread well seated in the thread slots?
4. Is the looper thread fine-tuning knob positioned correctly?

**Note:** If you change the position of the upper and lower looper thread fine-tuning knob and stitch is unbalanced, return the knob to the standard position and recheck the stitch. (page 12 for illustration)



## Troubleshooting (Cont.)

### Needle threading difficulties:

1. Is the thread end in the proper needle eye?
2. Is the thread end cut sharp?
3. Is the needle threading lever down completely?
4. Is the needle threading inlet just behind the needles?
5. Is the needle bent or worn?
6. Is the needle inserted correctly?

### Looper threading difficulties:

1. Is the machine engaged in the threading position?
2. Is the thread end in the proper threading port?
3. Is at least 1/2 inch (1.2cm) of the thread end in the threading port?
4. Is there at least 22 inches (56cm) of loose thread beyond the thread guide above the threading port?
5. Is there a kink or twist in the 22 inch (56cm) of thread to restrict the flow into the threading port?
6. Is the thread restricted from going through the loopers?

### Poor Cutting:

1. Are the cutting blade(s) dull?
2. Have you sewn over a straight pin?
3. Is the cutting blade in the locked position?
4. Have the cutting blades been improperly replaced?
5. Is the fabric being pulled from the rear of the machine while sewing?

### Wave Stitch is not forming correctly:

1. Is the machine threaded correctly? Check each thread path carefully.
2. Is the machine set for 3-Thread Wave sewing?
3. Is the Wave/Overlock Selector Lever set on "WAVE"?
4. For rolled wave edging, is the stitch length dial set for "ROLLED HEM" ?
5. Is the Stitch Selector set correctly? Set the Stitch Selector at "B" for 3-Thread Wave Stitch or "C" for 3-Thread Rolled Wave Stitch.

## Dos and Don'ts

1. Always be aware of the needle's up-and-down movement, and do not turn your attention from the machine while it is running.
2. When changing the needle, the presser foot or any other parts, always disconnect the machine by turning the power switch to OFF.
3. Do not place anything on the foot control, or the machine will start inadvertently and the foot control or motor can burn out.
4. When using your serger for the first time, place a fabric scrap under the presser foot and run the machine without thread for a few minutes. Wipe away any oil that appears.
5. Do not pull fabric from the rear of the machine. Such action can damage the machine.
6. To prevent possible injury, always avoid body contact with any moving parts and the machine mechanism.
7. NEVER sew over pins.

**Special Caution:** Unplug the power cord from the electrical outlet when the machine is not in use.

# Technical Data

Stitch Types:	2 needles, 2 loopers: 4-Thread Overlock
	1 needle (left or right), 2 loopers 3-Thread Overlock (wide, narrow, and narrow hem) 3-Thread Flatlock (wide and narrow) right needle only 3-Thread Rolled Edge 3-Thread Wave 3-Thread Rolled Wave
	1 needle (left or right), 1 looper 2-Thread Flatlock (wide and narrow) 2-Thread Blanket Stitch 2-Thread Ladder Stitch
Stitch Width:	Stitch Width Standard 2/3/4 - thread with left needle: 5.5 - 7.5mm
	Standard 2/3 - thread with right needle 3-Thread Wave Stitch with right needle 3.0 - 5.0mm
	3-Thread Rolled Edge 1.5mm
Stitch Length:	Stitch Length:  2/3/4 Thread Overlock Stitch: 0.75-4mm 3-Thread Rolled Edge: 0.75-4mm
Differential Feed:	Gathering effect: N-2 Stretching effect: N-0.6
Presser Foot:	Snap-on serger feet
Handwheel:	Rotates forward
Needle System:	Organ or Schmetz HA x 1SP/CR
Sewing Speed:	Up to 1,500 s.p.m
Machine Weight:	11.2Kg / 24.7 lbs.
Light System:	3 LED Lights

# Chart for Stitch Selection Settings

Stitch Type	Stitch Length	Stitch Width	Needle	Stitch Selector	Differential Feed	Wave Selector	Page
4-Thread Overlock	2.5-3.5	6.0-7.5	Left + Right	A	N	O	25
4-Thread Gathering	4	6.0-7.5	Left + Right	A	2.0	O	11
3-Thread Overlock Wide	2-3	7.5	Left	A	N	O	26
	Narrow	3.0-3.5	3.0-3.5	Right	B	N	O
3-Thread Narrow Hem	0.75-4.0R	3.0	Right	C	N-0.6	O	28
3-Thread Rolled edge	0.75-4.0R	3.5	Right	D	N-0.6	O	29
3-Thread Flatlock	2-3	3.0-5.0	Right	D	N	O	31
2-Thread Flatlock Wide	2-2.5	7.5	Left	A	N	O	33
	Narrow	3-3.5	3.5	Right	B	N	O
3-Thread Wave Stitch	0.75-2.5	5.0	Right	B	N	W	41
3-Thread Rolled Wave	0.75-1.5R	3.0-5.0	Right	C	N	W	42
3-Thread Reversed Wave Stitch	0.75-2.5	5.0	Right	B	N	W	43

This change indicates the suggested range of settings for each stitch category. Make adjustments to the stitch length and width settings according to fabric weight and thread type.

