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BABY LOCK PRIMO BLP6 INSTRUCTION MANUAL



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Primo

Instruction and Reference Guide

Model BLP6

baby lock

"IMPORTANT SAFETY INSTRUCTIONS"

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

"Read all instructions before using this cover stitch machine."

DANGER – To reduce the risk of electric shock.

1. The cover stitch machine should never be left unattended when plugged in. Always unplug this cover stitch 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 cover stitch 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 cover stitch 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 cover stitch machine to the nearest authorized retailer/dealer or service center for examination, repair, electrical or mechanical adjustment.
3. Never operate the cover stitch machine with any air openings blocked. Keep ventilation openings on the cover stitch machine and foot controller free from the accumulation of lint, dust, and loose fabric.
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 cover stitch 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 cover stitch 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 cover stitch 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.
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 while unattended or unsupervised.
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.

"SAVE THESE INSTRUCTIONS"

"This cover stitch machine is intended for household use."

CONGRATULATIONS

Welcome to the Baby Lock Primo

The Baby Lock Primo features the "Creative Top Cover Stitch", a unique and one-of-a-kind stitch, along with a variety of chain and cover stitch options that allow you to create professional looking and dynamic garments and projects that showcase decorative looks and techniques.

Offering a variety of stitch widths and lengths the Primo's many exclusive features allow you to efficiently accomplish a perfect stitch using a wide variety of threads and fabrics.

With the "ExtraordinAir Threading System" threading the chain looper is a breeze, with no confusing thread guides to navigate.

The Automatic Thread Delivery System delivers the perfect amount of thread for every stitch, eliminating confusing tension adjustments.

A convenient, built-in needle threader makes threading and switching needle threads quick and easy. Having an extra wide sewing space to the right of the needle makes Managing large projects easy. With differential feed, needle thread auto-tension release when the presser foot is lifted, and chain looper manual tension adjustments you are in control of every project.

Your Baby Lock Primo is a high-quality, dependable machine that, with proper care and maintenance, promises years of dependable performance and sewing pleasure.

Keep this instruction manual as a step-by-step guide to become familiar with your Baby Lock Primo. For additional product information, visit our website at ***www.babylock.com***.

Happy Sewing & Creating!

Creative
COVER STITCH

Stitching with the Primo

Creative Top Cover Chain Stitch / Both Wipers

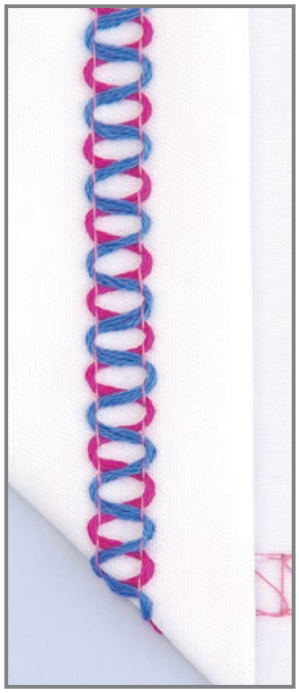


Chain Stitch (C1, C2, C3)

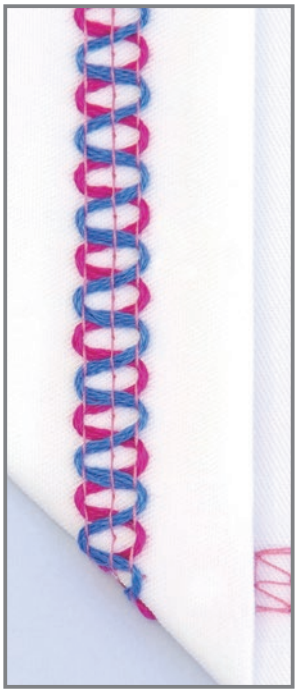
Creative Top Cover Stitch / Both Wipers



Narrow Left / Narrow Right - 3mm



Wide - 6mm



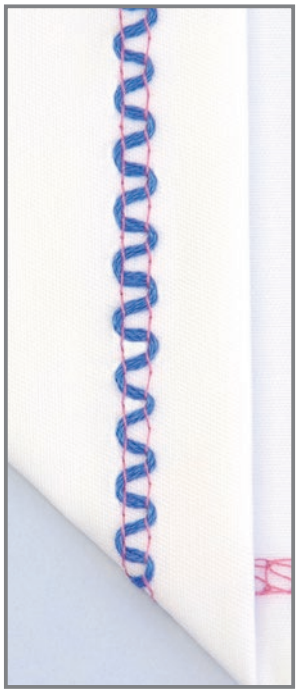
Triple - 6mm

Creative Top Cover Chain Stitch / One Wiper

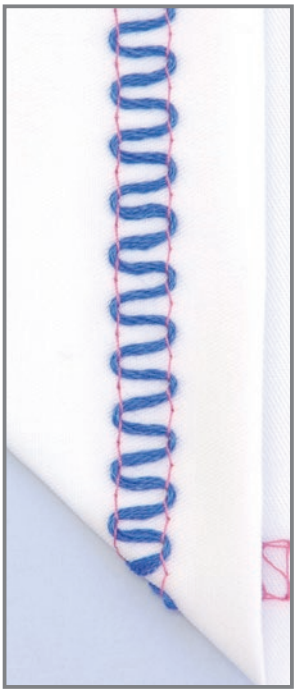


Chain Stitch (C1, C2, C3) Left or Right Wiper

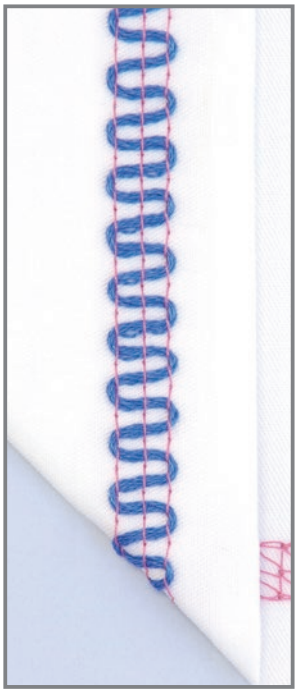
Creative Top Cover Stitch / One Wiper



Narrow Left / Narrow Right - 3mm Left or Right Wiper



Wide - 6mm Left or Right Wiper



Triple Stitch - 6mm Left or Right Wiper

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How Your Machine Operates

The Primo's simple operation will enable you to become more proficient in its use. Please read all instructions before using your new machine.

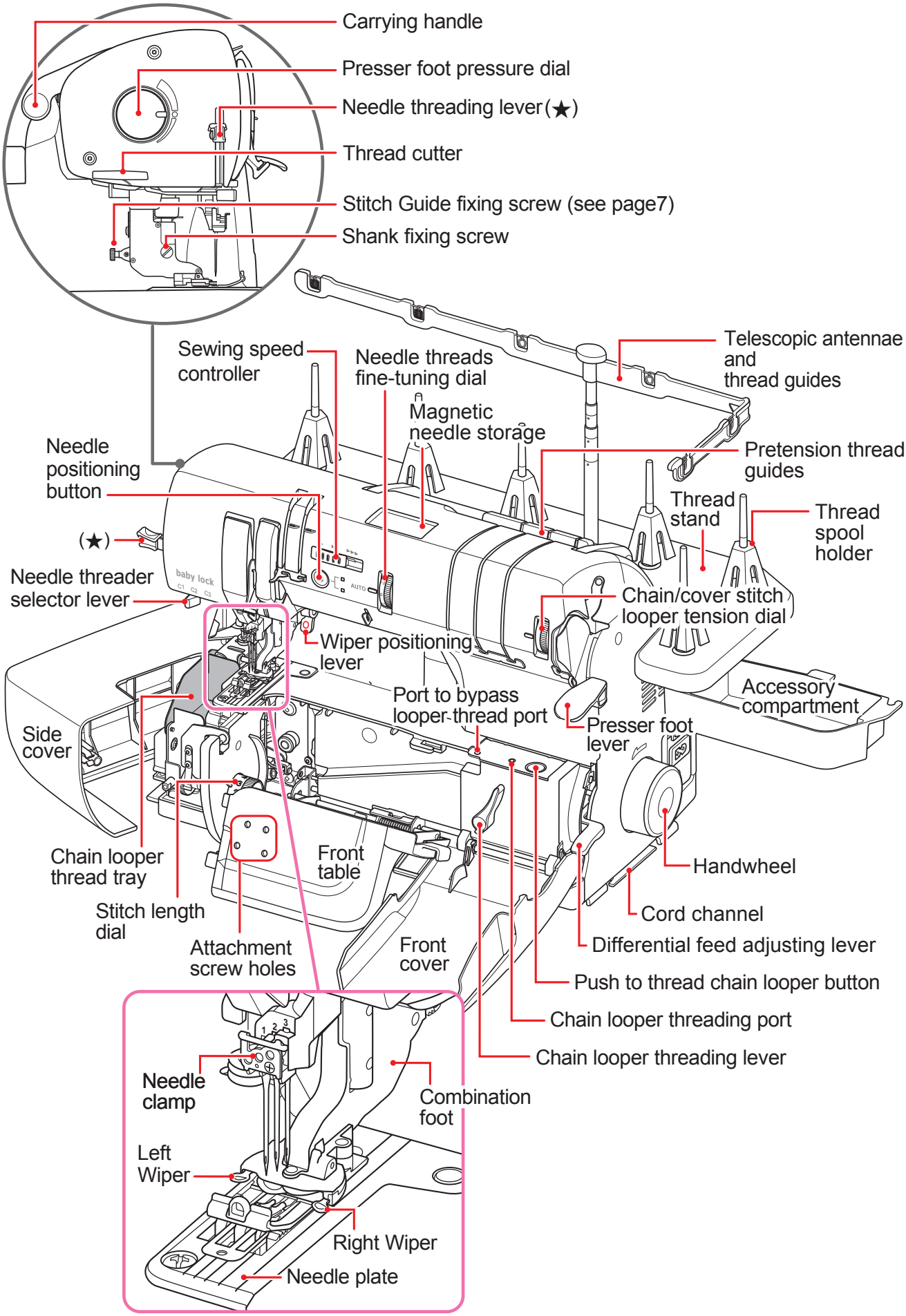
Use one, two or three chain/cover needles and chain looper for a chain or cover stitch. For the "Creative Top Cover Stitch" combine the left, right or both wipers with either the chain or cover stitch.

When forming a chain stitch, the chain needle thread catches the chain looper thread to form a straight stitch on top of the fabric with a chain stitch on the underside. Use 2 or 3 cover stitch needles and the chain looper to form a double or triple row of straight stitching on the top and interlooped threads on the underside.

The "Creative Top Cover Stitch" is formed when the wipers, either both or one, are threaded with overlock or decorative thread and combined with either a chain stitch or any one of the cover stitches. The wiper threads are carried back and forth or left and right and secured by the needle thread(s) for the selected stitch. On the underside the stitch will appear as a chain stitch or interlooped threads if the cover stitch is selected.



Overview of the Primo

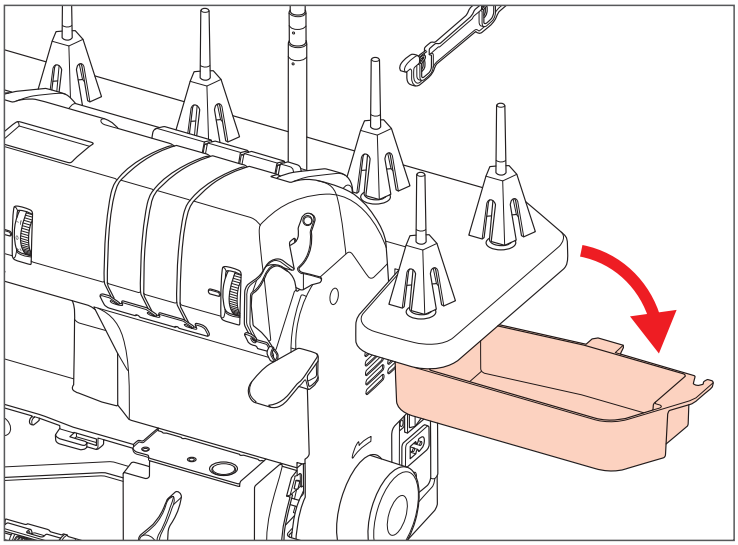


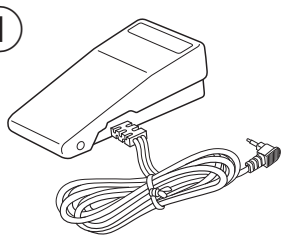
Accessories

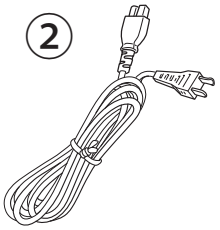
Your Baby Lock Primo has a built-in accessory compartment. To open, swing the base of the thread spool stand to the right to reveal the tray holding several accessories listed below. Other accessories may be found in the machine packing materials.

Accessory	Number included	Located in
1. Foot control	1	Packing box
2. Power cord	1	Packing box
3. Instruction manual	1	Packing box
4. Knee lifter	1	Packing box
5. Machine cover	1	Packing box
6. Guide fixing screws for table	2	Accessory compartment
7. Lint brush/needle insert tool	1	Accessory compartment
8. Package of assorted sized needles Organ ELx705CF	1	Accessory compartment
9. Allen screwdriver	1	Accessory compartment
10. Stitch guide fixing screw	1	Accessory compartment
11. Tweezers	1	Accessory compartment
12. Standard Presser foot and Shank	1	Accessory compartment
13. Spool pin disk (large)	2	Accessory packet
14. Looper threading tool	1	Accessory packet
15. Screwdriver	1	Accessory packet
16. Thread nets	4	Accessory packet
17. Spool caps	4	Accessory packet
18. Sponge disks	4	Accessory packet
19. Cone holders	6	On machine

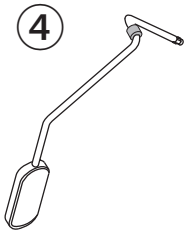
Accessories (Cont.)



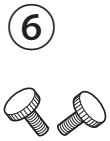


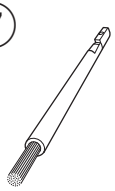




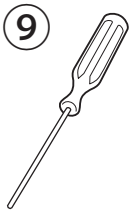


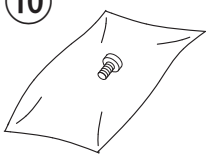


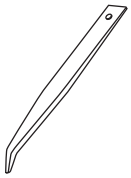


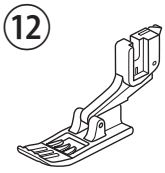


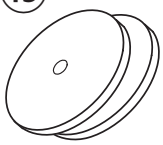


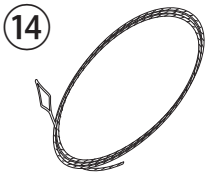


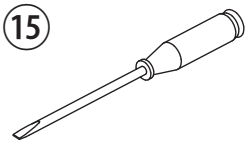


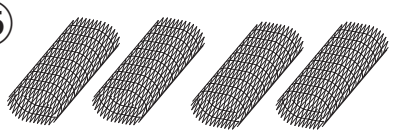




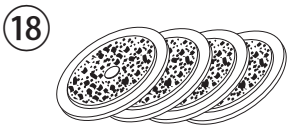














Optional Accessories

Belt Loop Binder (3/4", 19mm)	B0421S12A
Belt Loop Binder (1-1/2", 38mm)	B0421S11A
Single Fold Bias Binder (1-1/8", 28mm)	B0421S04A
Single Fold Bias Binder (1-5/8", 40mm)	B0421S05A
Double Fold Bias Binder (1-1/8", 28mm)	B0421S03A
Double Fold Bias Binder (1-3/8), 36mm)	B0421S02A
Adjustable tape guide	B0421S01A
Fabric Guide	B0420S01A / M0-70A09
Plain Hemmer (1/4", 7.5mm)	B0421S07A
Plain Hemmer (1/2", 13mm)	B0421S06A
Single Downturn Feller (1/4", 7.5mm)	B0421S10A
Single Downturn Feller (5/8", 16mm)	B0421S08A
Single Downturn Feller (1", 25mm)	B0421S09A
Knit/Woven Double Fold Bias Binder (8mm)	D13-4-08E
Knit/Woven Double Fold Bias Binder (10mm)	D13-4-10E
Knit/Woven Double Fold Bias Binder (12mm)	D13-4-12E
Knit/Woven Double Fold Bias Binder (15mm)	D13-4-15E
Knit/Woven Single Fold Bias Binder (12mm)	D13-3-12E
Knit/Woven Single Fold Bias Binder (15mm)	D13-3-15E
Lap Seam Binder	B0-75001
Fabric & Hemming Guide	B0-75A01
Stitch Guide	M2-73K01
Teflon Foot*	M2-36A08
Clear Foot*	B5002S17A
Pintuck Foot w/2 Guides*	B5002-06B-C

*Optional Accessories for Standard Shank and Presser Foot.

These optional accessories are available from your local Baby Lock retailer.

Needles

Your Baby Lock Primo is set up with Organ ELx705CF needles size 90/14. These are suitable for most medium and heavyweight fabrics. For lightweight fabrics, use size 80/12, ELx705CF needles.

The ELx705CF needle has a semi-ballpoint design and is suitable for knits and wovens. For specialty fabrics or techniques a specific needle type may be needed. For instance when placing a 12wt. thread in the needle a topstitch needle will accommodate the thread size. Another example would be elastic thread or fabric with a high spandex fiber use a ELx705SUK needle. This needle type prevents skipped stitches and does not cut the elastic thread(s).

Thread

Many types of thread may be used on your Primo, but 100% long-staple polyester thread, crosswound on a cone, consistently provides the best stitch performance when used in the needles and chain looper. Because the threads pass through several thread guides at high speeds, they must be of uniform thickness and high strength with minimal lint.

Good-quality cotton or cotton-covered polyester threads work well, though they may produce more lint, creating the need to clean the machine more frequently. Poor grades of these threads can result in fraying, breaking and unbalanced stitches.

Threads of other fiber contents and weights may be used with the wipers, needles and chain looper. Testing will help you determine how easily they can pass through the wipers and thread guides, thread slots, needles and looper. For more information see pages 71-73.

When selecting threads to be used in the wipers, both or only one, Baby Lock suggests using the following thread weights, 50, 40, 30, 28, and 12 wt. in polyester, rayon or cotton. The selected thread needs to pass through the opening on the wiper and not prevent the wipers from moving while forming the stitch. It is always best to test the selected thread for the wiper prior to using in a project.

IMPORTANT NOTE: For maximum performance of the Baby Lock Primo, it is recommended to use 100% polyester-long fiber thread in the looper and needles. This thread also performs well when used with various decorative threads for specialty techniques.

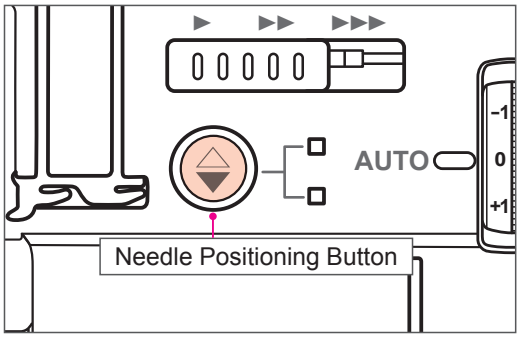
Please refer to "Specialty Threads" regarding thread recommendations for the Creative Top Cover Stitch, Cover and Chain Stitch, see pages 71-73.

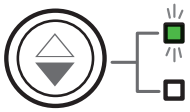
Automatic Needle Thread Delivery System

The Baby Lock Primo revolutionizes the way needle thread tension works with its exclusive Thread Delivery System. No longer are tension settings for the chain or cover stitch manually adjusted.
The correct amount of thread is automatically delivered to the needle thread guides to form a perfect stitch every time.

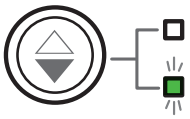
Needle Positioning Button

- By pressing the button once, the position of the needle moves half a stitch. For a complete stitch the needle positioning button will need to be pressed twice.
- Pressing the button when the needle(s) are in an up position will lower the needle(s) to a down position (the green light will change position from upper to lower).
- If the button is pressed when the needle(s) are in a down position the needle(s) will raise to an up position (the green light will change position from lower to upper).

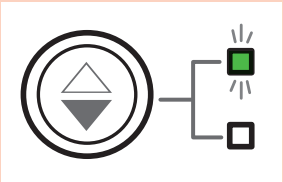




Green light is in the upper position the needle(s) are up.



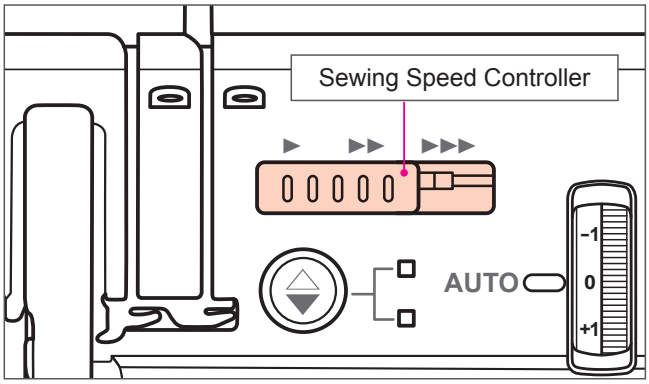
Green light is in the lower position the needle(s) are down.



NOTE:

- When the power is turned on, the green color lights up (top light position) regardless of whether the needle bar is in the upper or lower position.
- "Needle Positioning Button" will not operate on the initial press of the button after turning the machine on. Press the "Needle Positioning Button" again and the position will change.

Sewing Speed Controller



The Baby Lock Primo is equipped with a sewing speed controller.

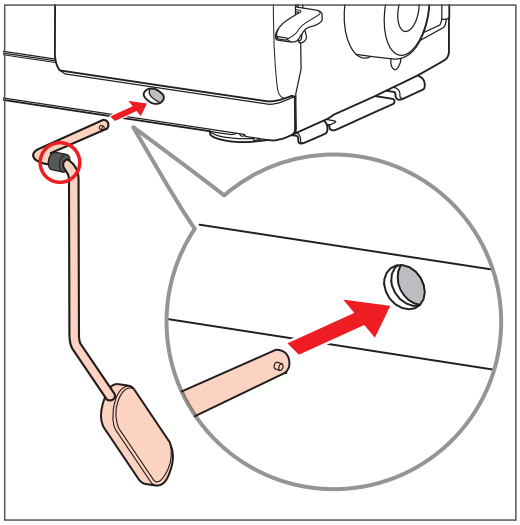
The machine will sew faster with the foot control fully depressed when the controller is moved to the right and slower when the controller is moved to the left.

Needle Threader

To learn how to use the needle threader for the Chain/Cover needle(s) see page 23 for the Creative Top Cover Stitch and page 51 for the Chain/ Cover Stitch.

Knee Lifter

Use the knee lifter to easily raise and lower the presser foot for hands free sewing.

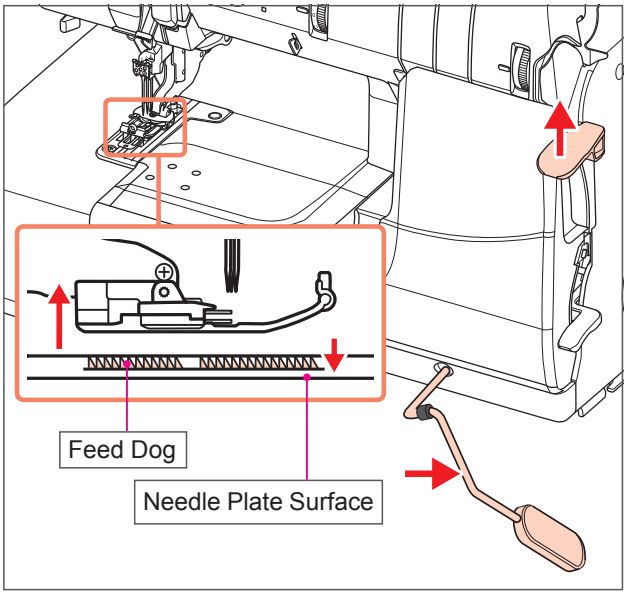


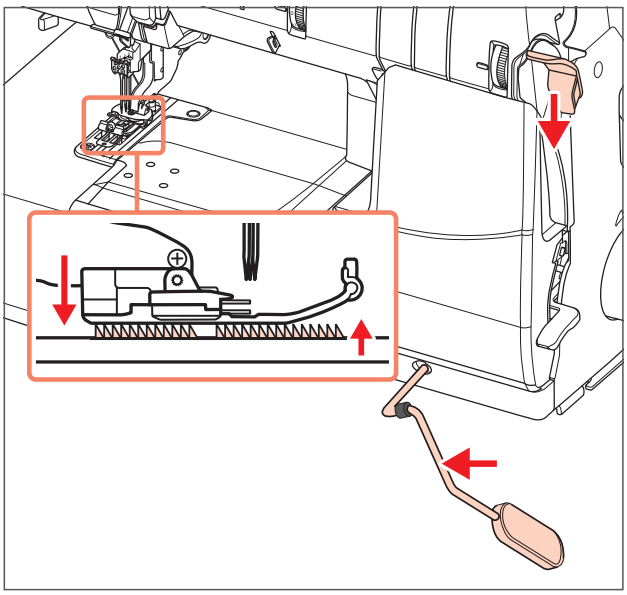
- Align the tabs on the knee lifter with the notches in the jack, and insert the knee lifter by pushing it toward the machine until it clicks (locks) into place.
- To raise the presser foot and lower the feed dogs move the knee lifter to the right. To lower the presser foot and raise the feed dogs move the knee left to the left.
- Remove the knee lifter by placing your left hand on the front cover and with your right hand, pull the knee lifter straight out.

NOTE: The black "knee lifter front cover protector" should be positioned as shown in the illustration (circled in red).

Drop Feed System

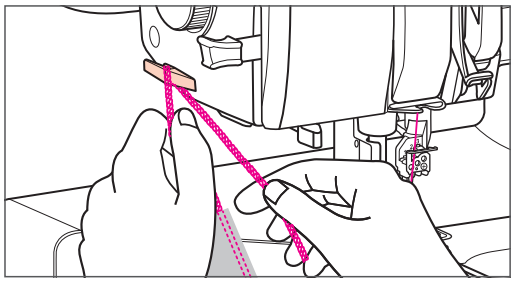
When the presser foot is raised using the presser foot lever or knee lifter, the feed dogs automatically lower which helps when guiding and placing fabric under the presser foot. Lower the presser foot and the feed dogs are automatically raised.





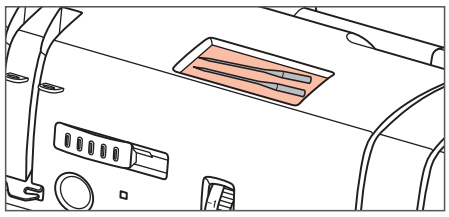
Thread Cutter

The thread cutter is located on the left side of your machine. At the end of a seam, sew off the fabric edge and continue sewing creating a 5 to 6 inch (120-150mm) thread chain. Bring the thread chain up and pull forward into the thread cutter.



Magnetic Needle Storage

Conveniently located in the middle of the machine is a magnetic needle rest that prevents needles from rolling around and getting lost.



Front Table Seam Guide

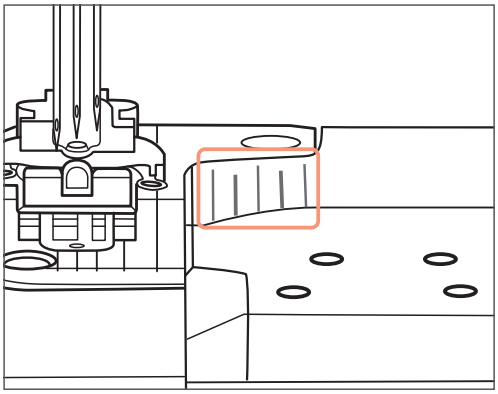
The markings on the bed of the machine can be used as guides while sewing. The marking used will depend on the needle position for the selected stitch.

The distance between the first mark on the left, closest to the needle plate, and each needle is:

C1 needle: 1 inch (25mm), C2 needle: 7/8 inch (22.5mm), and C3 needle: 3/4 inch (19mm).

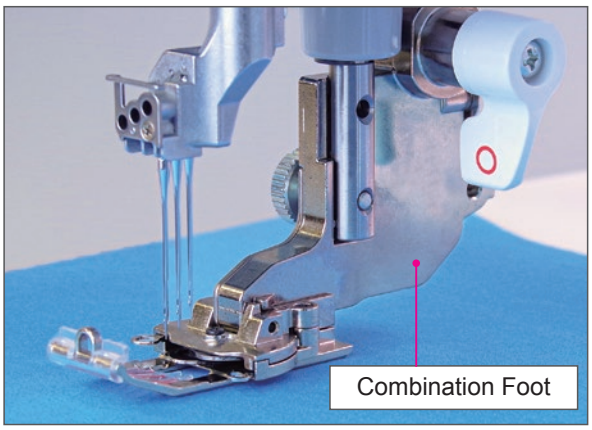
This guide is great for hemming garments when using the cover stitch.

1. Turn hem under and press.
2. Align the raw edge of the hem with the furthest left needle.
3. Align the folded edge of the hem with the correct guide mark.
4. Stitch hem aligning/guiding fabric edge with the selected marking, on the front cover seam guide, for hem depth.



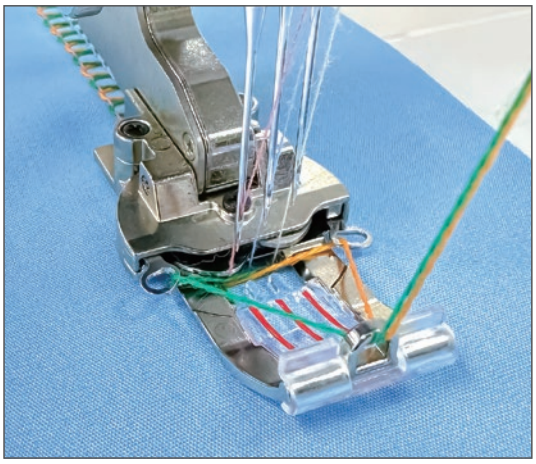
Combination Foot

The combination foot on the Primo is different from the standard shank and presser foot found on most sergers. Due to the wipers being integrated into the presser foot the shank and presser foot are combined to form one unit.

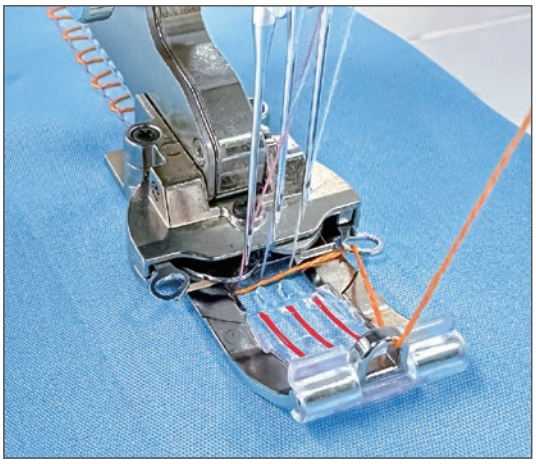


Wipers

- The wipers on the Combination Foot (foot and shank) form the Creative Top Cover Stitch. Choose to use both wipers or one, either the left or right for the desired stitch type.

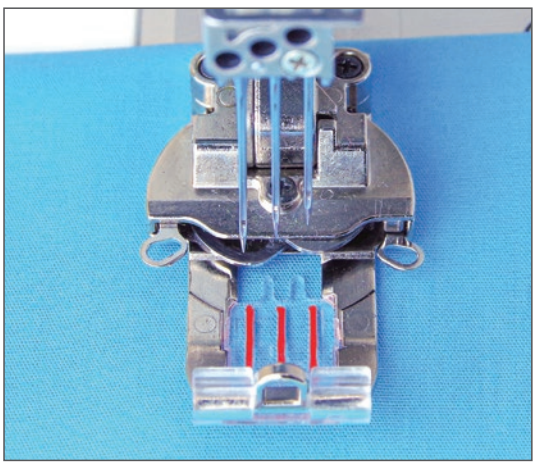


Both Wipers

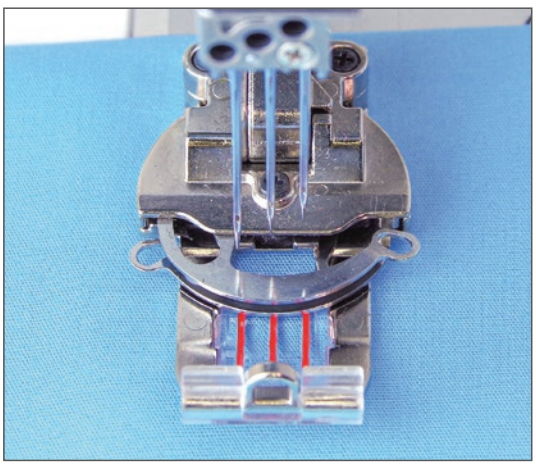


One Wiper

- The wipers move between an open and closed position when stitching.



Wipers Open



Wipers Closed

Wiper Positioning Lever

- The two wipers on the combination foot are operated by the wiper positioning lever located on the right side of the combination foot.
- For the Creative Top Cover Stitch, with the lever in the up position, the wipers are engaged.
- When using the standard cover/chain stitch or replacing the combination foot lower the lever to disengage(lock) the wipers.



Wipers Engaged
(moving)



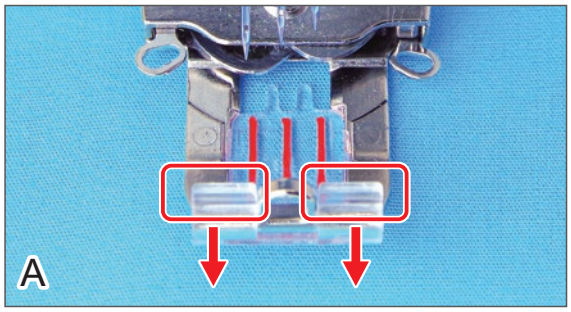
Wipers Disengaged
(not moving / locked)

Insert for the Combination Foot

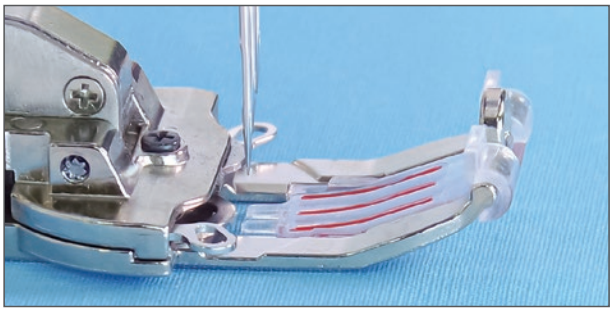
A variety of optional accessories, are available for use with the Combination Foot.

How to remove an Insert (photo A)

1. Lower the presser foot.
2. Place the Wiper Positioning Lever down to open the wipers.
3. Grasp the tabs (on the insert) on the left and right of the wiper threading guide (outlined in red) and gently pull the insert toward you.



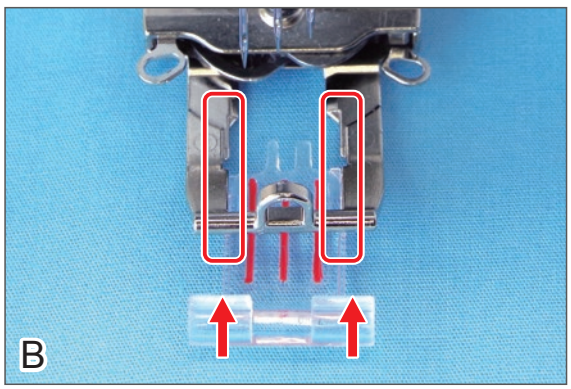
Remove / Insert



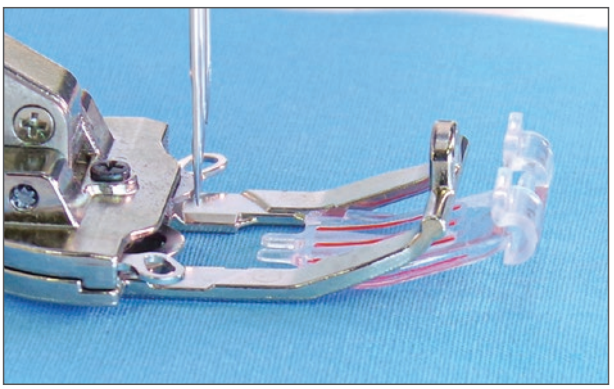
Side View

How to install/ replace an Insert (photo B)

1. Place the presser foot in a down position.
2. Place the Wiper Positioning Lever down to open the wipers.
3. Align the tips / toe of the insert with the right and left mounting points (outlined in red) on the right and left of the wiper threading guide. Gently slide the insert into position.
4. With the insert in position, thread the needle(s), chain looper and wiper(s) following threading instructions for the selected stitch.



Inserting / Replacing Insert



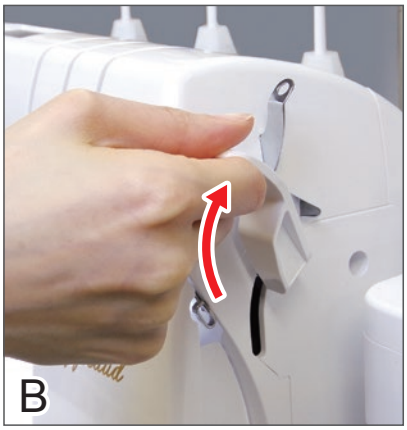
Side View

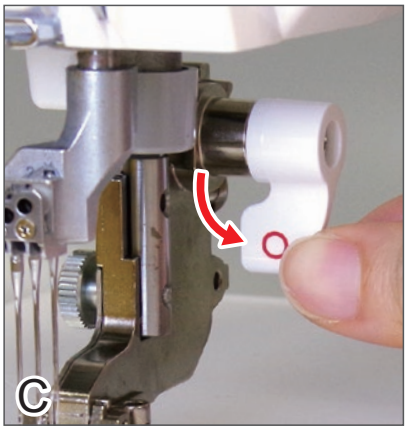
Removing the Combination Foot

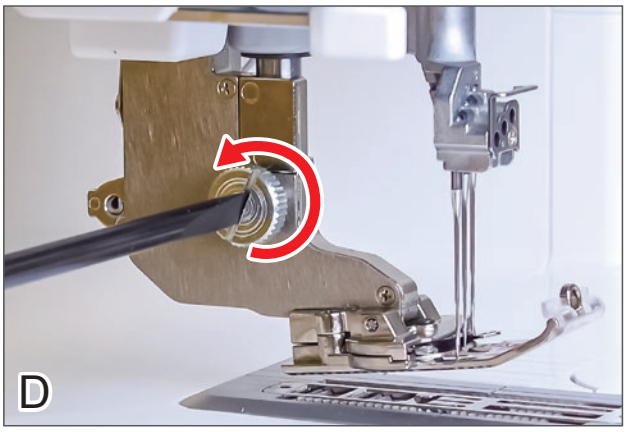
How to remove the Combination Foot

1. Place the needle(s) in the highest position by turning the handwheel or using the needle positioning button (photo A).
2. Raise the presser foot (photo B).
3. Remove any threads from the chain looper, needle(s), wiper(s).
4. Place the wiper positioning lever in a down position (photo C).
5. Remove the shank fixing screw (photo D).
6. Remove the combination foot by guiding it straight back and to the left (photo E,F,G).



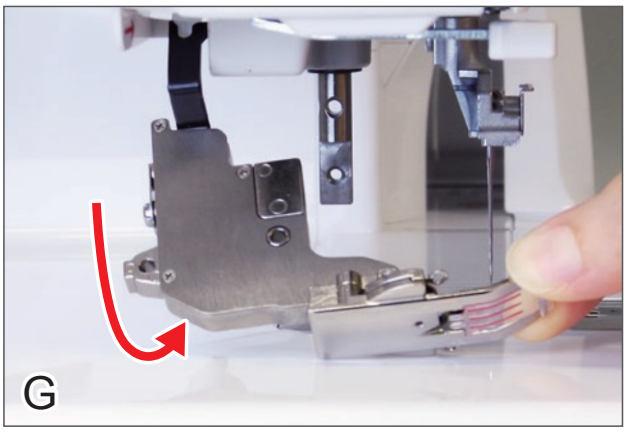






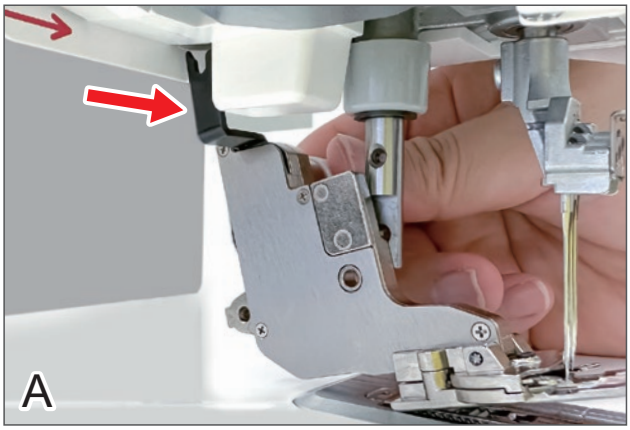


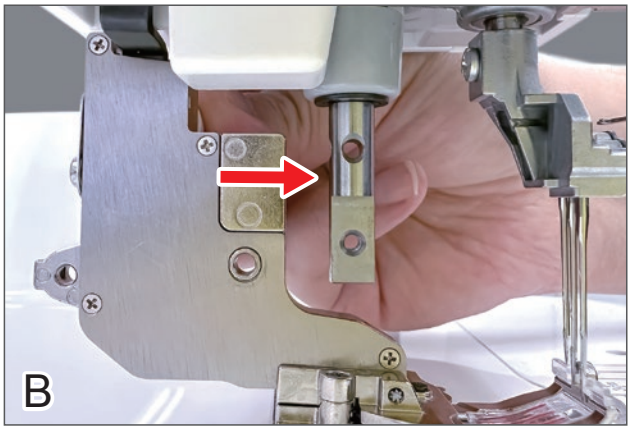


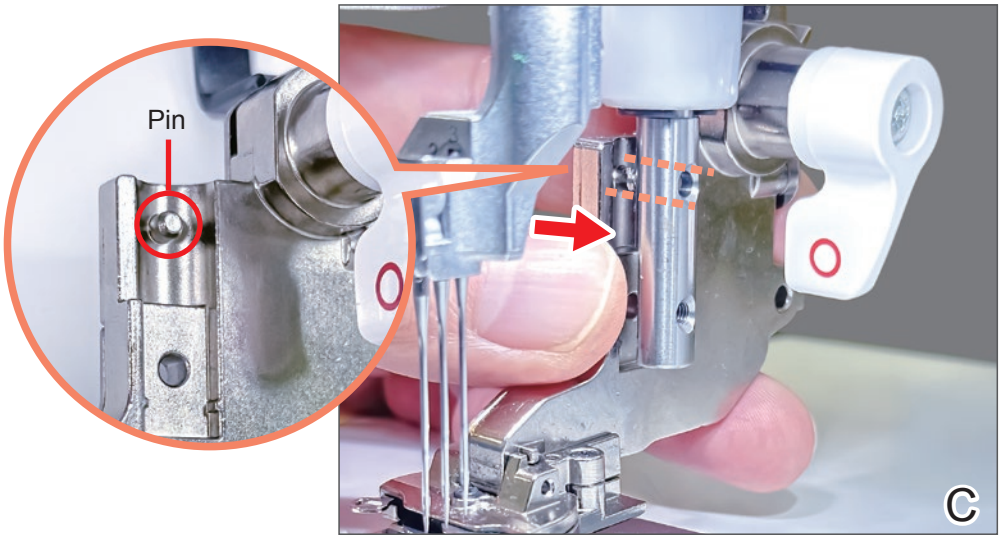


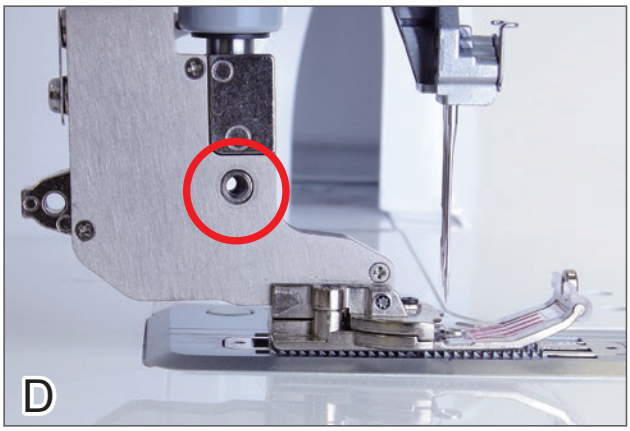
Attaching the Combination Foot

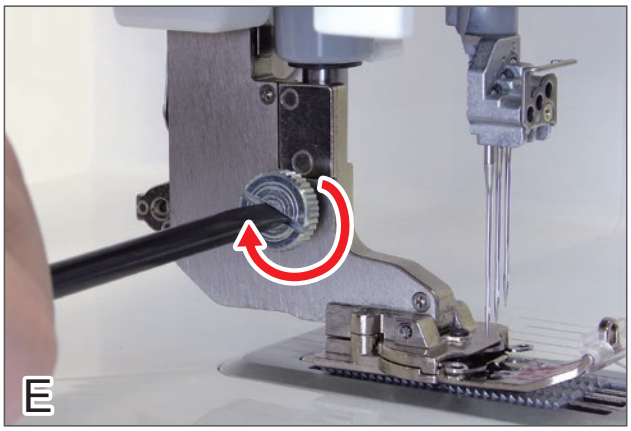
1. Remove the standard presser foot and shank. Leave the presser foot lever in the up position.
2. Ensure the wiper positioning lever is disengaged (vertical position). Following the red arrow, located on the machine (photo A), position the drive fork (indicated with a red arrow) in the path to align with the drive fork linkage. Position and engage the pin on the combination foot with the positioning hole on the presser foot bar (photo B, C).
3. Hold the combination foot in place and lower the presser foot lever (photo D).
4. Insert the shank fixing screw and tighten (photo E).







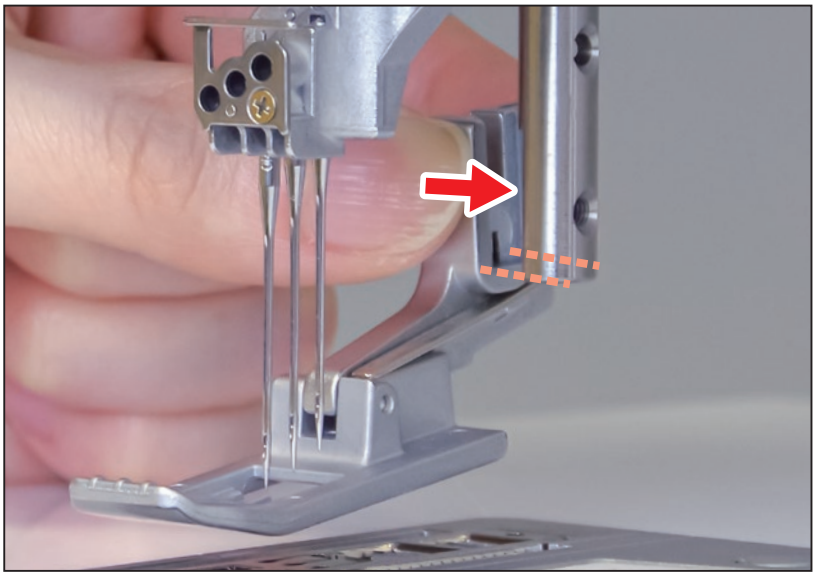




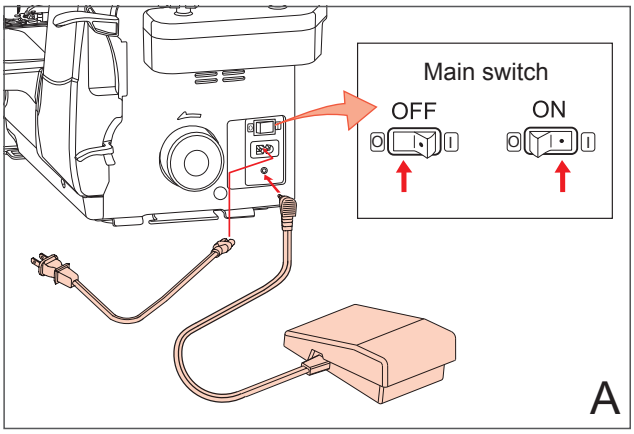
Attaching the Standard Shank and Presser Foot

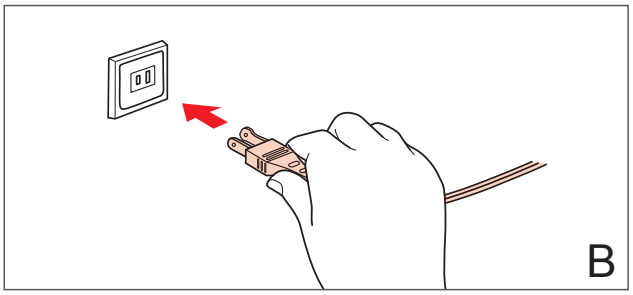
Align the standard presser foot and shank on the presser foot bar, insert and tighten the shank fixing screw. The standard shank and presser foot can be found in the accessory compartment.

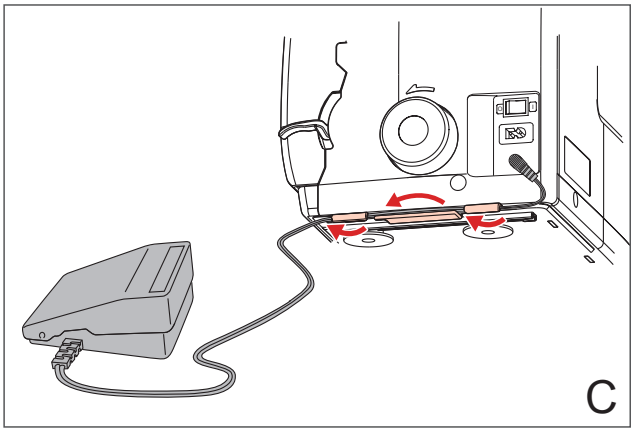
NOTE: For a complete list of optional presser feet that can be used with the standard presser foot and shank refer to page 9, Optional Accessories or visit our website at ***www.babylock.com***.

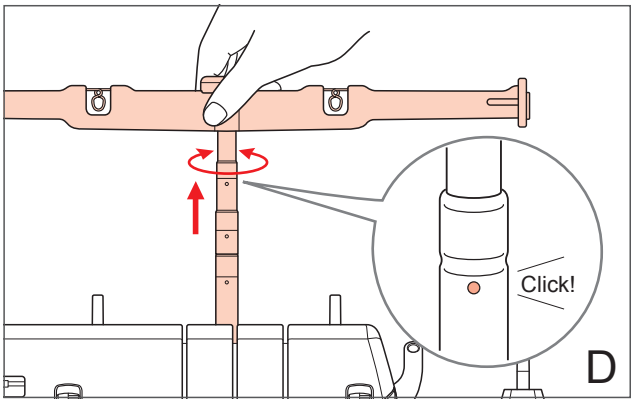


Setting Up Your Primo









1. **Remove machine from box:**
   After removing the packing materials from the box, gently lift the machine by grasping the carrying handle on top of the machine.
   Place the machine on a sewing table or any level surface that provides ample workspace around the machine.
   Place the foot control on the floor and under the table or cabinet. If desired place the foot control on a product that prevents the foot control from moving while stitching.

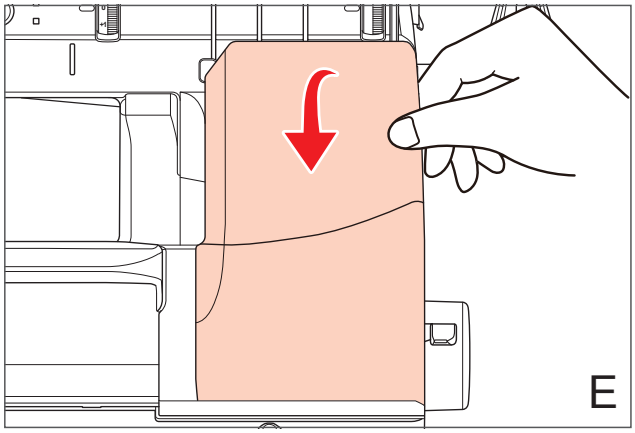
2. **Plug in the machine:**
   Before connecting the power supply, make sure the voltage and frequency shown on the machine conforms to your electrical service.
   With the machine turned off, insert the foot control jack and the power cord plug into their appointed connectors (fig. A).
   Then plug the power cord into an electrical wall outlet.
   Always make sure the power is off when the machine is not in use (fig. A). Available foot control: Model YC-485EC (found on the back of the foot control).

3. **Polarized plug:** **(USA&Canada only)**
   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. B). 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 control :**
   The sewing speed of the machine is controlled by the speed controller and the amount of pressure applied to the foot control. When not in use, do not place anything on the foot control.

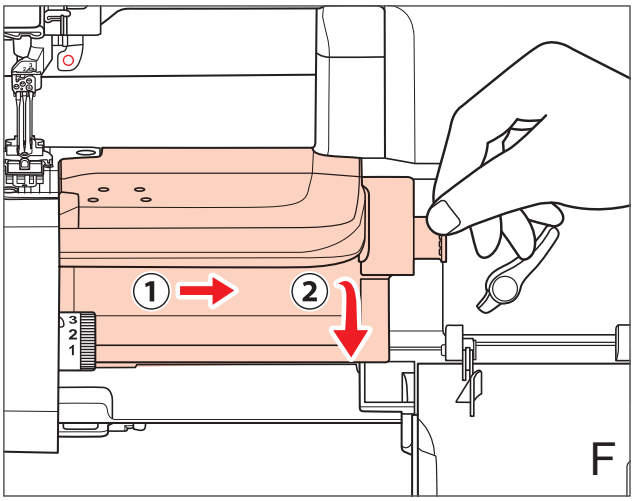
5. **Position the telescopic thread guide:**
   Raise the telescopic thread guide to its highest position.
   Rotate the shaft to the left and right until each section clicks into a locked position (fig. D).

Setting Up Your Primo (Cont.)



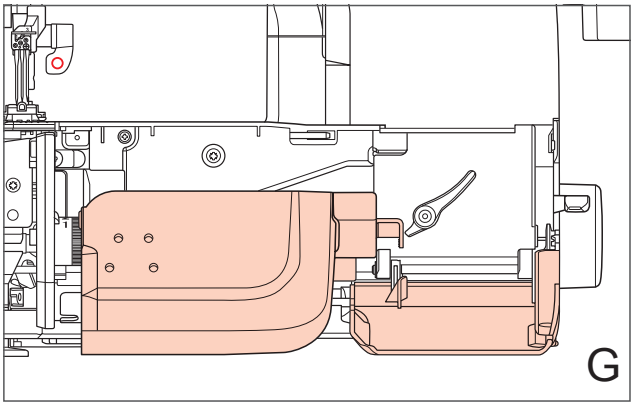
6. Open front cover :

The front cover may be opened by placing your fingers behind the cover at the upper right side and gently pulling forward (fig. E).

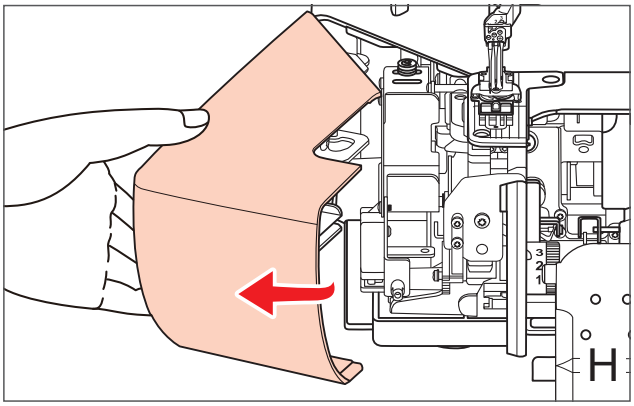


7. Open front table:

To open the front table, place your thumb against the tab, and slide the cover to the right.
A slight pull forward will allow the cover to swing down, providing access to the chain looper (fig. F).



Front view of Primo, with front cover and front table in open position (fig. G).



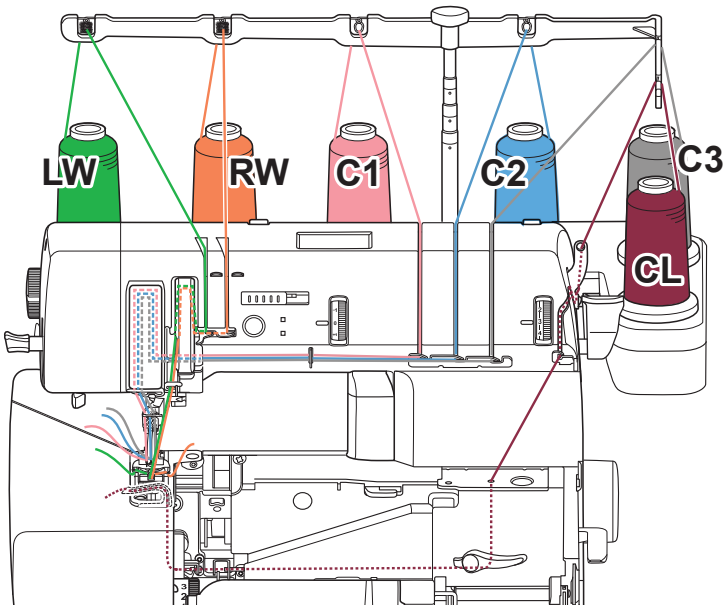
8. Open Side Cover:

Open side cover on the left for easy access to the chain looper thread tray (fig. H). Close side cover before sewing.

Threading (Creative Top Cover Stitch)

Chain Looper, Needle(s), Wiper(s) thread path indication as below:

LW ➡ Left Wiper
RW ➡ Right Wiper
C1 ➡ Left Needle
C2 ➡ Center Needle
C3 ➡ Right Needle
CL ➡ Chain Looper



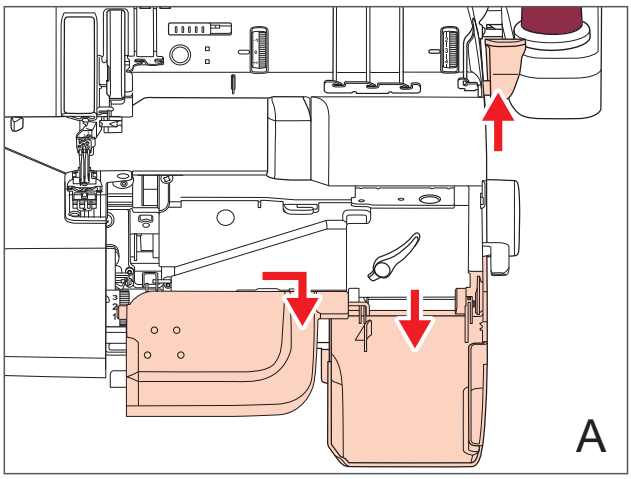
Follow the instructions below for the Creative Top Cover Stitch threading:

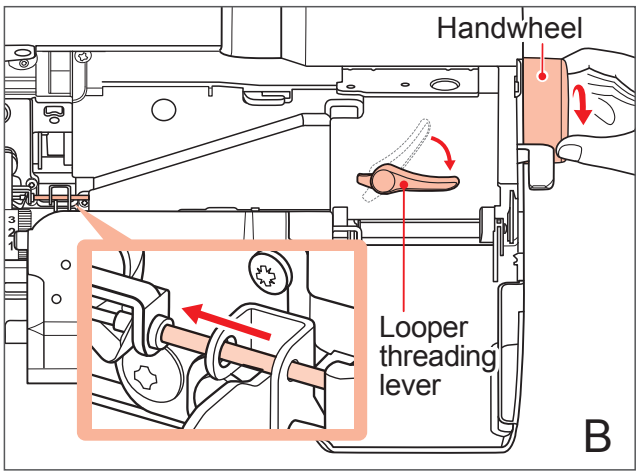
1. Chain Looper Threading Port Set Up-Threading (see page 21).
2. Chain Looper Threading (see page 22).
3. Chain/ Cover Needle(s) Threading (see page 23).
4. Chain Looper Threading Port Set Up-Threading Completed (see page 24).
5. Threading the Wiper(s) (see page 24).
6. Wiper(s) Threading (see pages 25-26).
7. Start to Sew (see page 27).

Chain Looper Threading Port Set Up-Threading

NOTE: The serger must be in the locked threading position when threading the looper, needles and wipers unless otherwise indicated.

1. Open the front cover and front table (fig. A).
2. Raise the presser foot to remove any/all threads (fig. A).
3. Set the chain looper threading lever from serging position to threading position (fig. B).
4. Rotate the machine handwheel slowly toward you until the looper tube moves to the connecting position and locks. (fig. B).

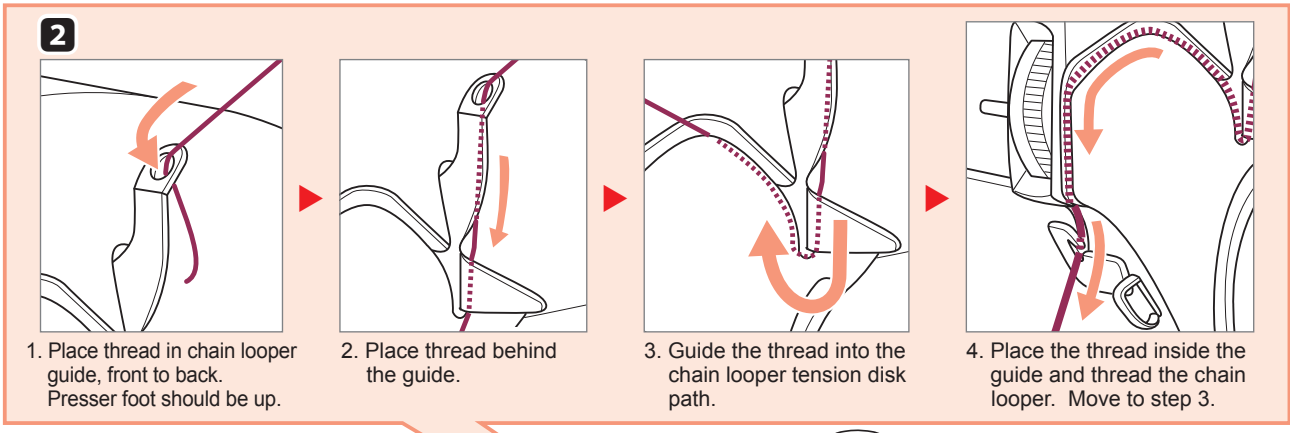


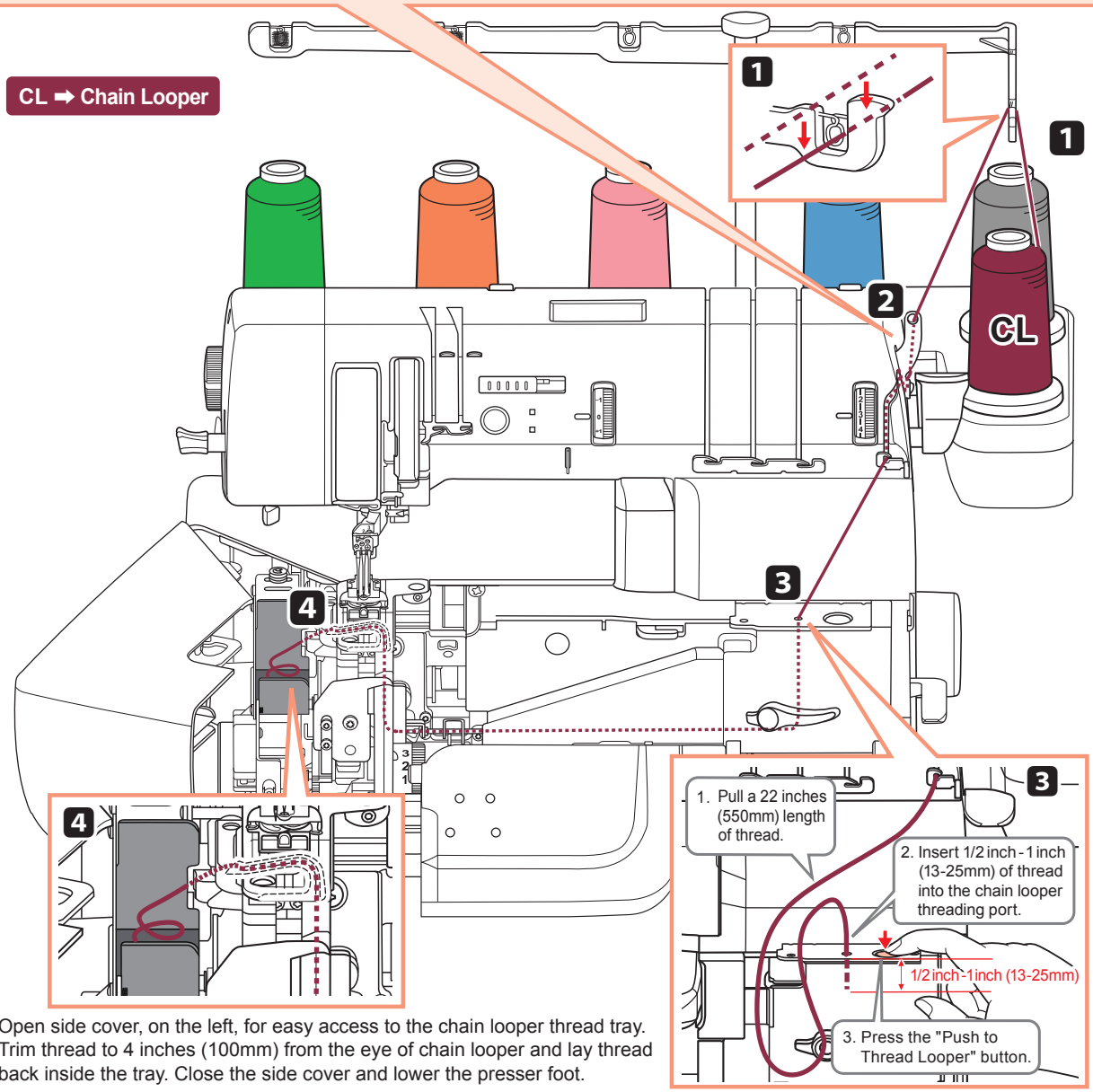


Chain Looper Threading

Make sure the steps for threading the chain looper port are completed (see page 21 Chain Looper Threading Port Set Up-Threading). Thread the chain looper following the numeric sequence below.

NOTE: • Wiper positioning lever should always be in the UP position (see page 24).
• When re-threading the chain looper, remove any thread that may be in the looper tube. This will eliminate any chance of the previous thread obstructing the flow of the air when re-threading the machine.





Open side cover, on the left, for easy access to the chain looper thread tray. Trim thread to 4 inches (100mm) from the eye of chain looper and lay thread back inside the tray. Close the side cover and lower the presser foot.

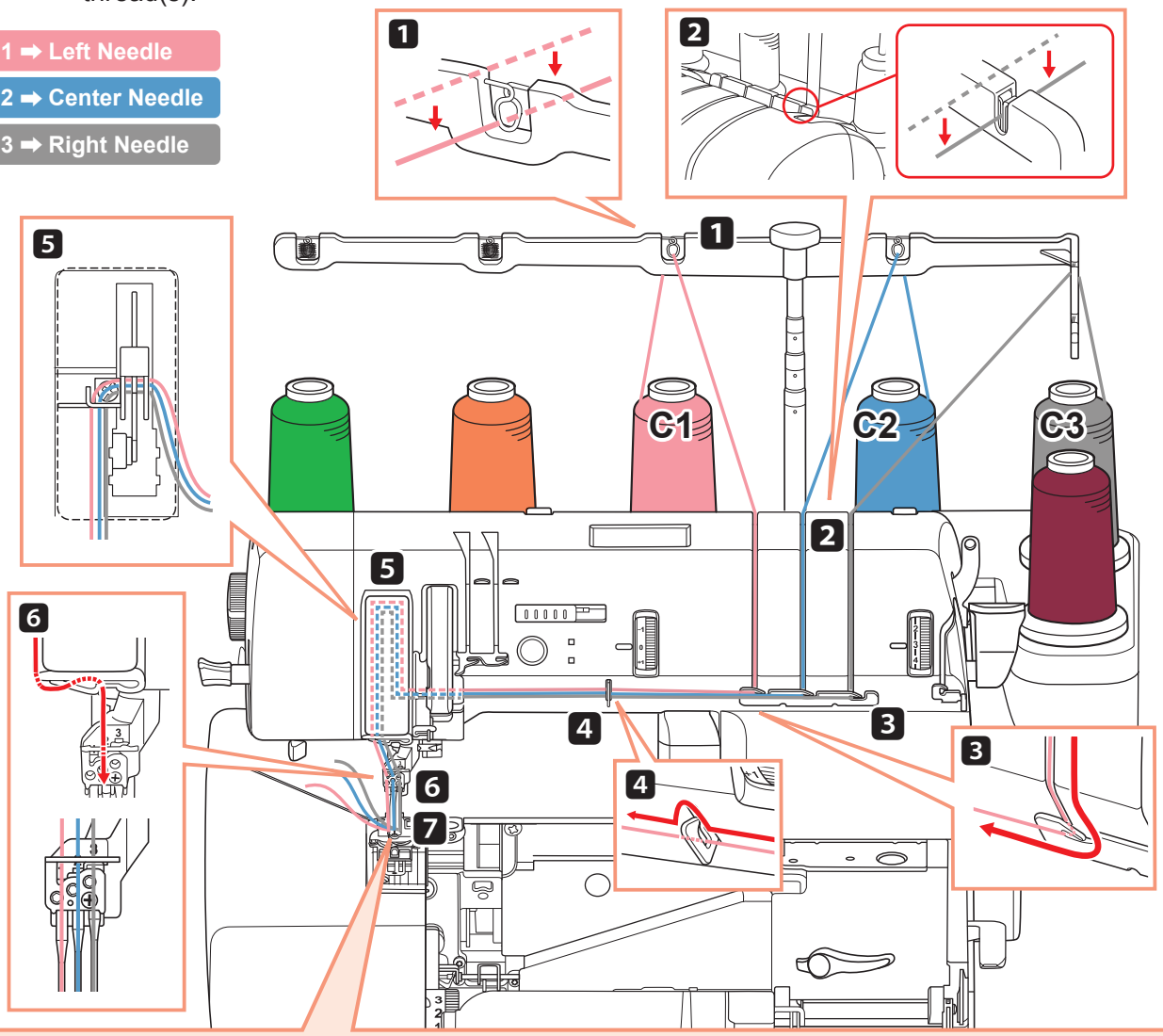
NOTE: For the steps on releasing the chain looper threading lever see page 24.

Chain / Cover Needle(s) Threading

Make sure the steps for threading the chain looper port are completed (see pages 21-22 Chain Looper Threading Port Set Up- and Threading). Thread the needle(s) following the numeric sequence below.

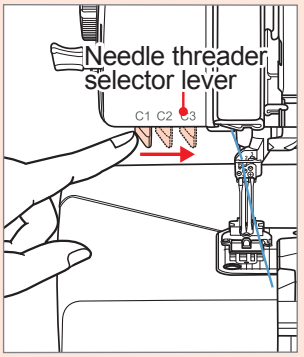
NOTE: • Wiper positioning lever should always be in the UP position (see page 24).
• When threading the wipers always make sure to place the wiper thread(s) in front of the needle thread(s).

C1 ➡ Left Needle
C2 ➡ Center Needle
C3 ➡ Right Needle

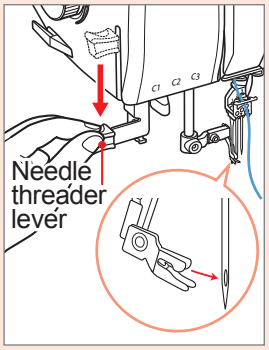


7 How to use the Needle Threader

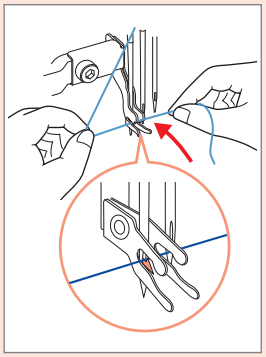
NOTE: Do not lower the needle threader until the chain looper threading lever has been moved to "Threading" and the port has been locked.



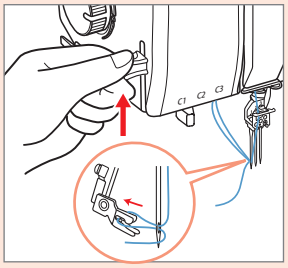
Set the needle threader selector lever to the needle position to be threaded.



Lower the needle threader lever until it clicks into place in the eye of the needle.



Hold the needle thread horizontally with both hands and position the thread into the threader hook guides and on top of the thread hook.

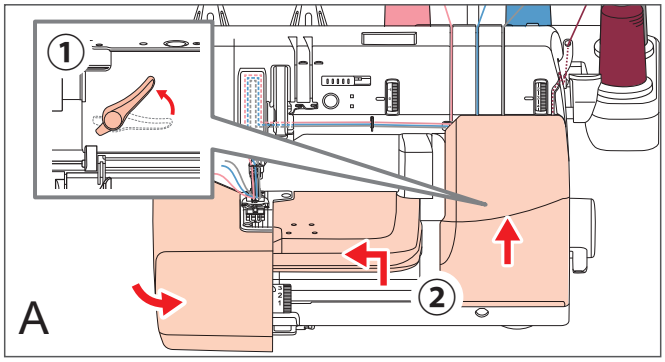


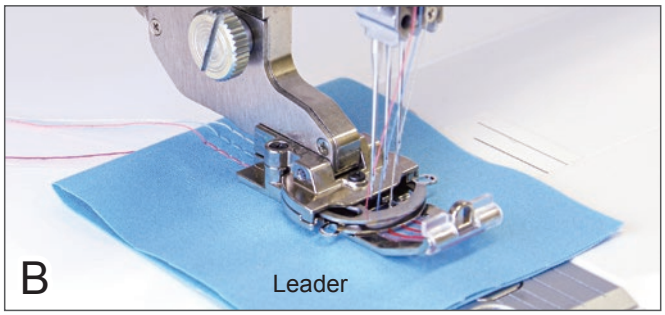
Raise the needle threader lever. The hook will pull the thread through the eye of the needle as it is released.
Carefully remove the thread loop from the needle threader and place the thread on the top and to the left of the presser foot.

NOTE: For the steps on releasing the chain looper threading lever see page 24.

Chain Looper Threading Port Set Up-Threading Completed

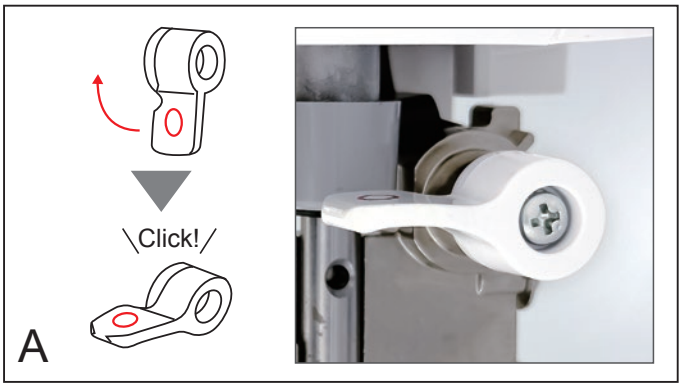
1. After finishing threading, ① Raise the chain looper threading lever to "Sewing". ② Close the side cover, front table and front cover accordlingly (fig. A).
2. With the needle thread(s) cut 4 inches (100mm) in length from the needle eye, place the needle thread(s) on top of the presser foot and to the left. When initially threading the needle(s) do not place the needle thread(s) under the presser foot.
3. Set the stitch length to 3 or 4mm.
4. Place a leader/fabric scrap under the presser foot and directly under the needle(s). Lower the presser foot lever and take a few stitches and trim the needle(s) thread(s) (photo B).
5. Leave the leader under the presser foot and move to Threading the Wiper(s).



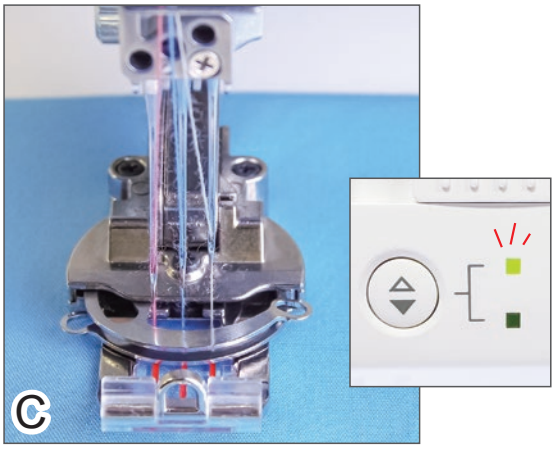


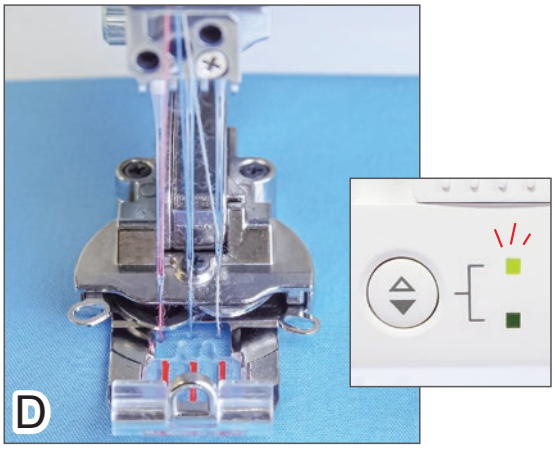
Threading the Wiper(s)

1. Check the "Wiper Positioning Lever" making sure the lever is in the UP position (photo A).
2. Position the needle(s) and wiper(s) position by using the "Needle Positioning Button" (photo B). There may be a circumstance when the wipers are closed and the needle(s) are in an UP position (photo C). Make sure the needle(s) are in UP the position and the wipers are opened (photo D).
3. Raise the presser foot.
4. See pages 25-26 for instructions on threading the wiper(s).







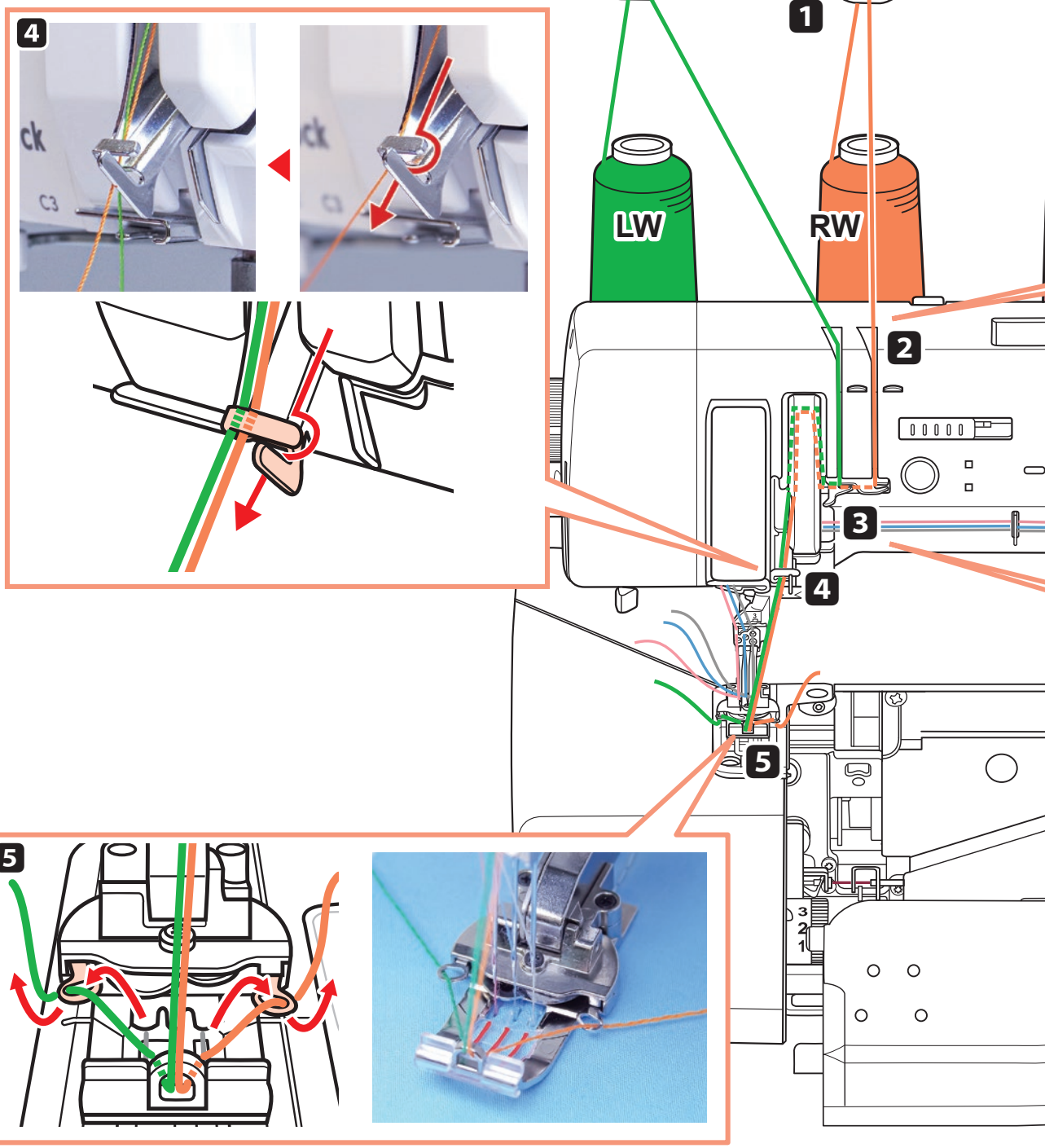


Wiper(s) Threading

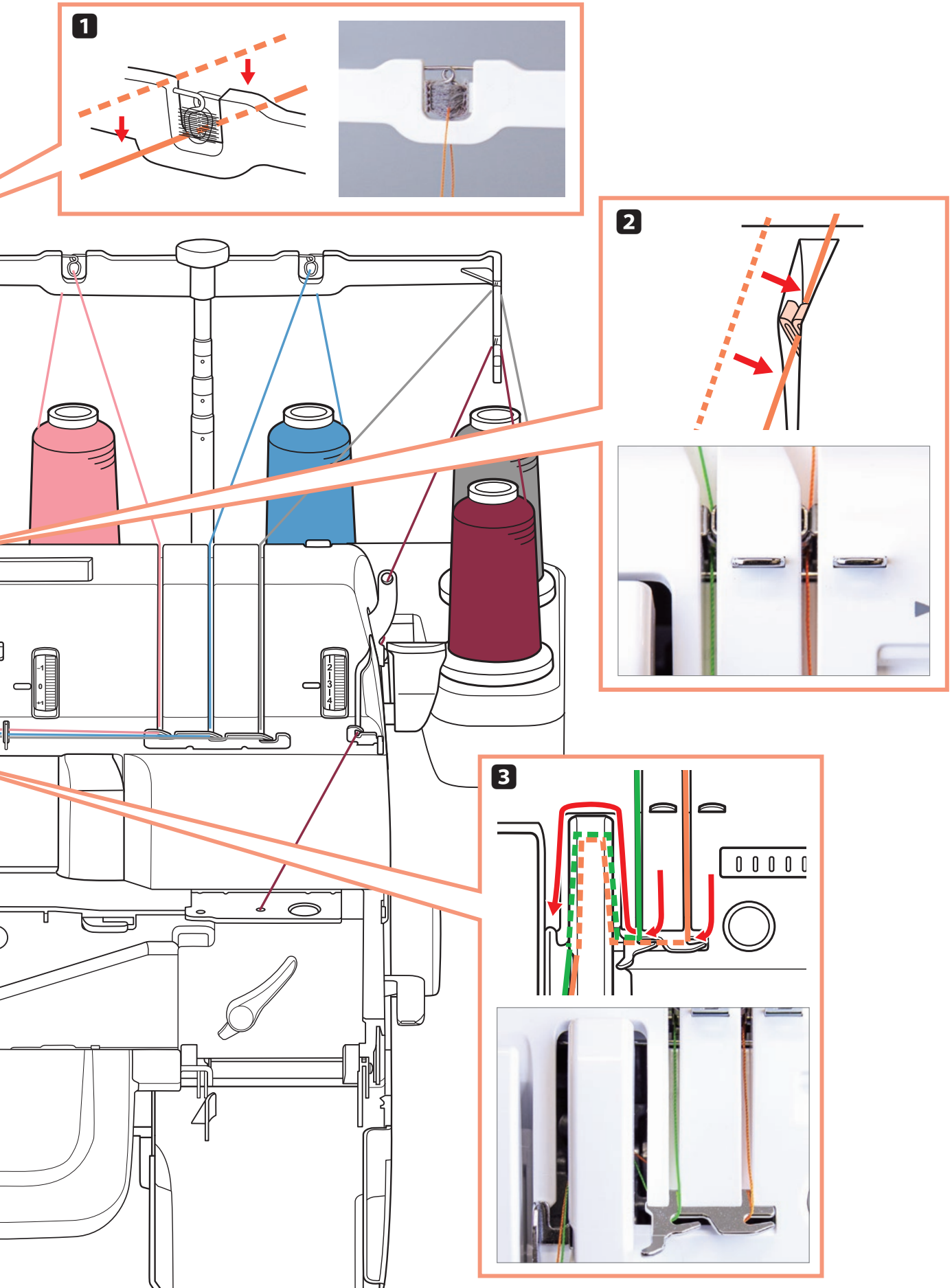
Following the numeric sequence below when threading the wiper(s)

NOTE: • Wiper positioning lever should be in the UP position (see page 24).
- When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).
- When placing heavyweight thread in the wipers, refer to "Bypass Threading for Creative Top Cover" on page 70 for further instructions.
- Use tweezers if necessary, to assist when guiding the thread through the wiper opening.

LW ➡ Left Wiper
RW ➡ Right Wiper



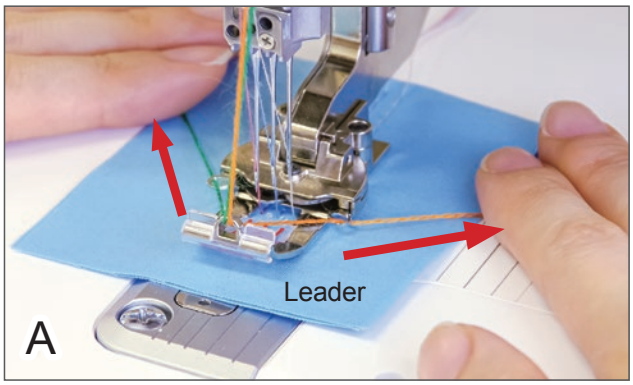
Wiper(s) Threading (Cont.)

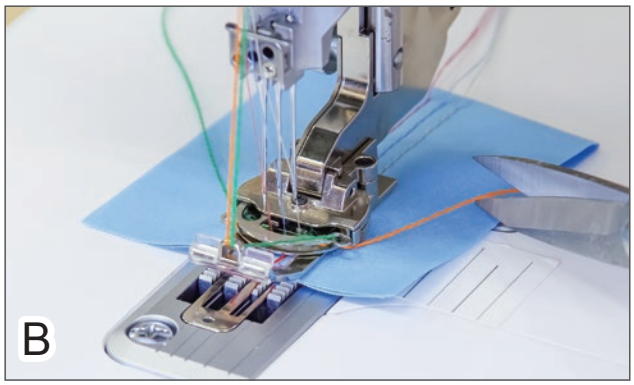


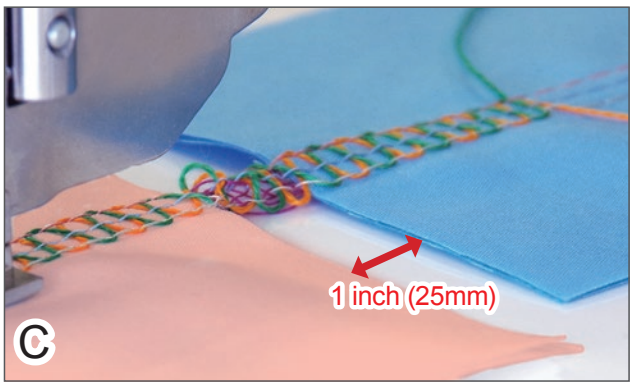
Start to Sew

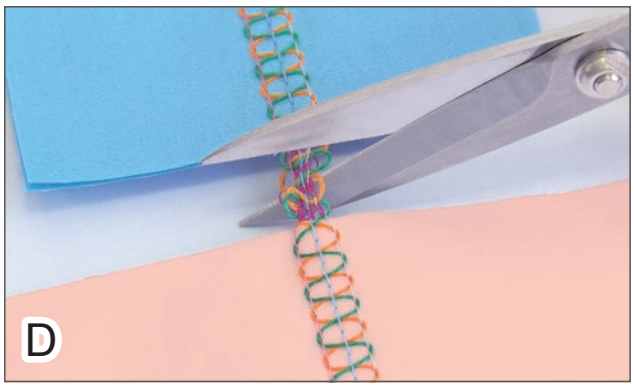
With threading completed, chain looper, needle(s) and wiper(s), follow the steps below to begin stitching.

1. Close the front cover, table and lower the presser foot.
2. Place the wiper thread(s) toward the back placing them in front of the needle(s) (photo. A). Holding onto the wiper thread(s) start stitching, slowly, on the leader.
3. After the first few stitches, stop and check the stitch. Is it forming correctly? Are the needle threads catching the wiper threads. Trim the wiper thread(s) close to the presser foot (photo B).
4. Continue to sew on the leader and move to the fabric leaving about 1 inch (25mm) (photo C) between the leader and the fabric.
5. Trim the threads close to the leader (photo D).





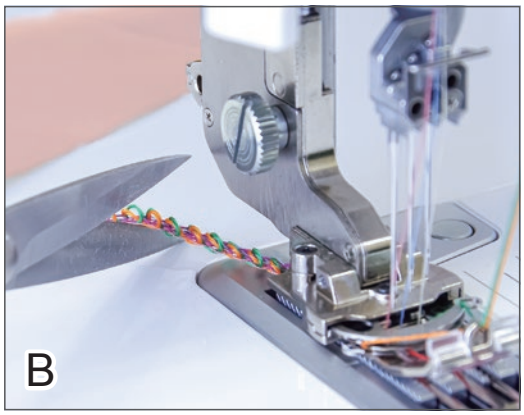




Chaining Off the Fabric

1. At the end of the seam, change the stitch length to 4mm (photo A).
2. Gently guide the fabric from the back of the presser foot creating a 3 inch (76mm) thread tail. Trim the thread tail 1-2 inches (25-50mm) from the back of the presser foot using a scissors (photo B).





NOTES:

Creative Top Cover Stitch

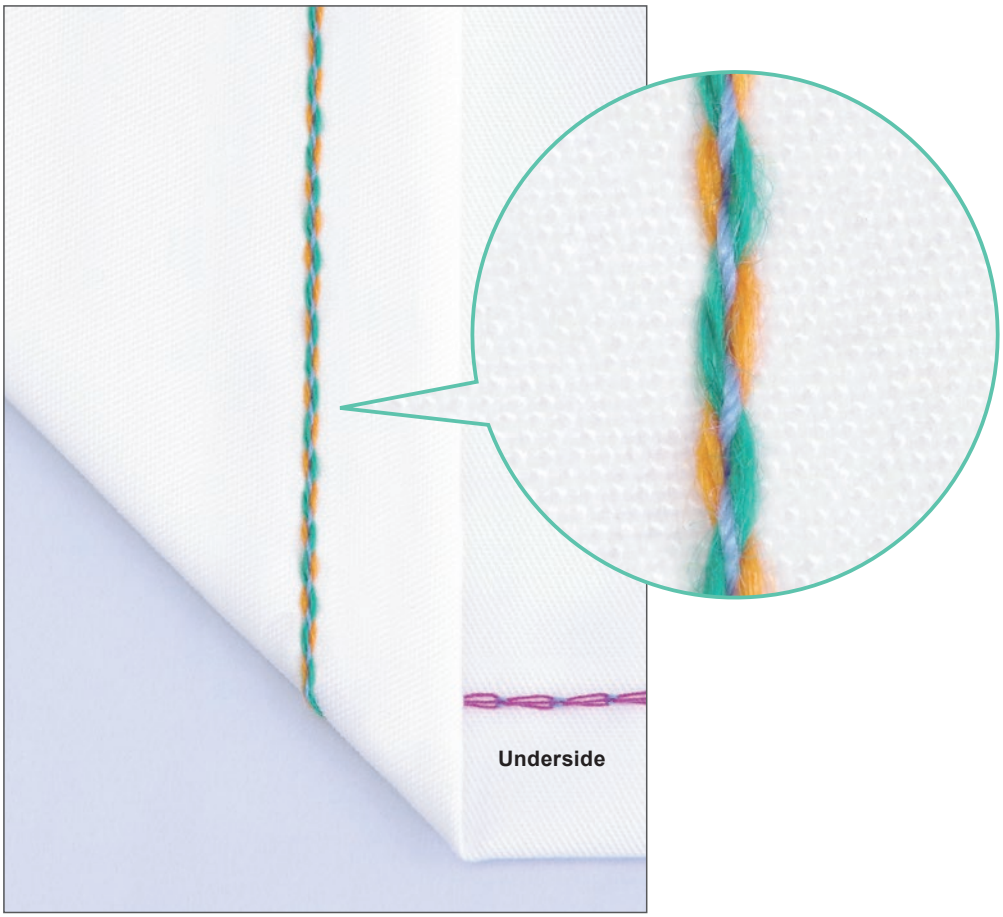
Creative Top Cover Chain Stitch

The Creative Top Cover Chain Stitch is formed using a needle thread, a chain looper thread and two wiper threads, right and left.

This stitch resembles a decorative stitch on the top with the chain looper thread forming a chain stitch on the back. When placing a texturized nylon/polyester thread in the chain looper and wiper(s) this stitch has more stretch than a straight stitch on a sewing machine. Place decorative thread in the wipers and create a custom look when using the binder attachments or create rows of stitching to resemble channel stitching/quilting. A perfect accent and embellishment stitch for any project, from garments and crafts to home décor and bags or totes. The recommended needle position to use for best performance on the Creative Top Cover Stitch is C2, center needle position.

Instructions for Chain Looper, Needle(s), Wiper(s) threading (See pages 21-26).

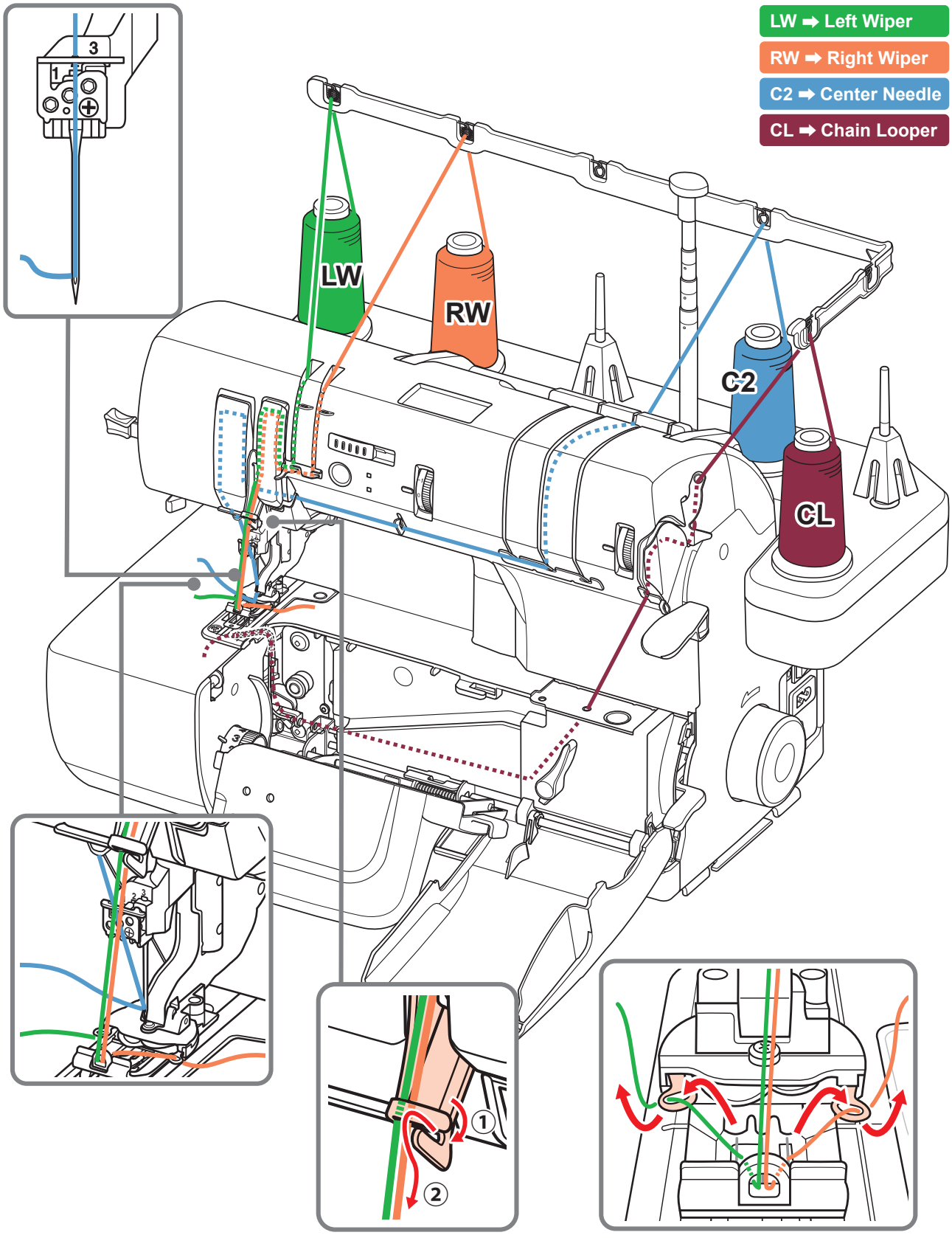
Stitch Sample



Needle C1 / C2 / C3

Creative Top Cover Chain Stitch (Cont.)

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1 or C2 or C3	AUTO (0)	2-3	3.0 - 4.0		N



NOTE: When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).

Creative Top Cover Stitch - Left Narrow 3mm

The Left Narrow Creative Top Cover Stitch combines the C1 and C2 needles, the chain looper and both the left and right wipers for a 3mm wide stitch.

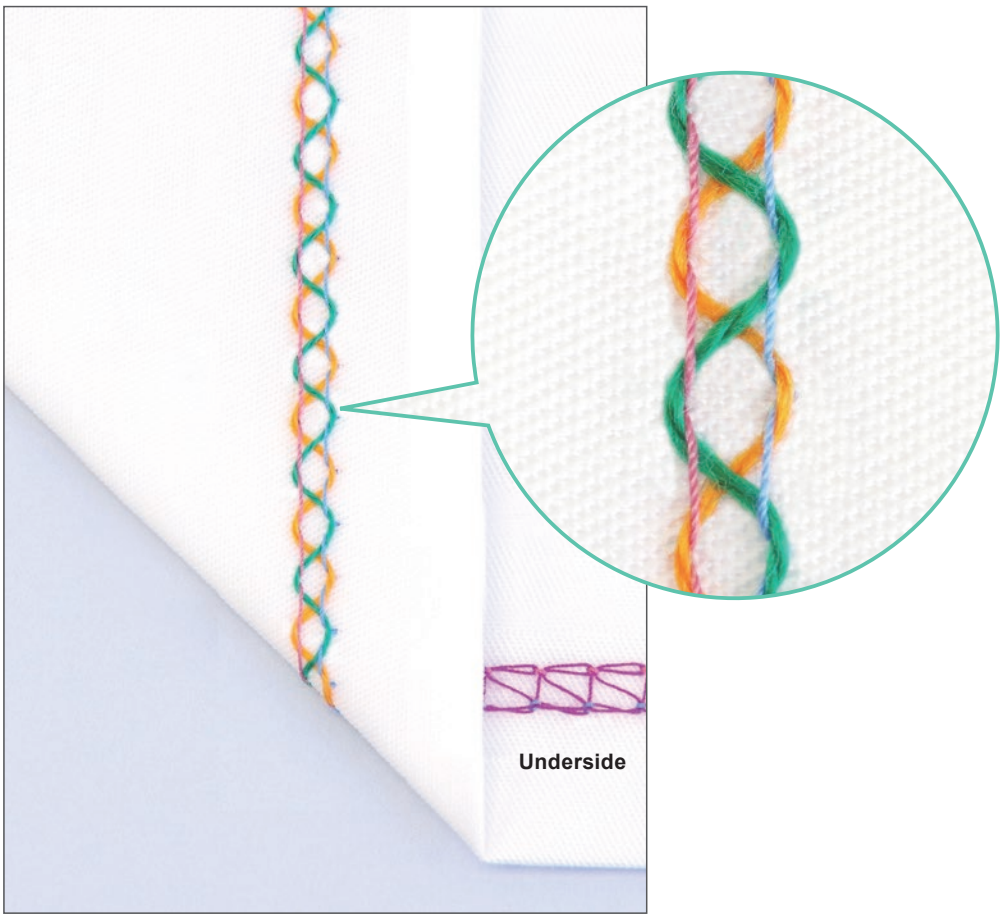
The wipers move back and forth (left and right) placing the wiper threads on top of the cover stitch needle threads. The needle threads catch the wiper threads and secure them to the surface of the stitch and fabric.

When looking at threads for the wipers, select from a wide variety; overlock, texturized nylon/polyester and decorative threads in various weights and fiber content.

Recognized as one of the popular stitch types used with knits in activewear, this stitch can also be used with woven and specialty fabrics. With the addition of decorative threads and attachments designed for the Primo, the creative opportunities become endless.

Instructions for Chain Looper, Needle(s), Wiper(s) threading (See pages 21-26).

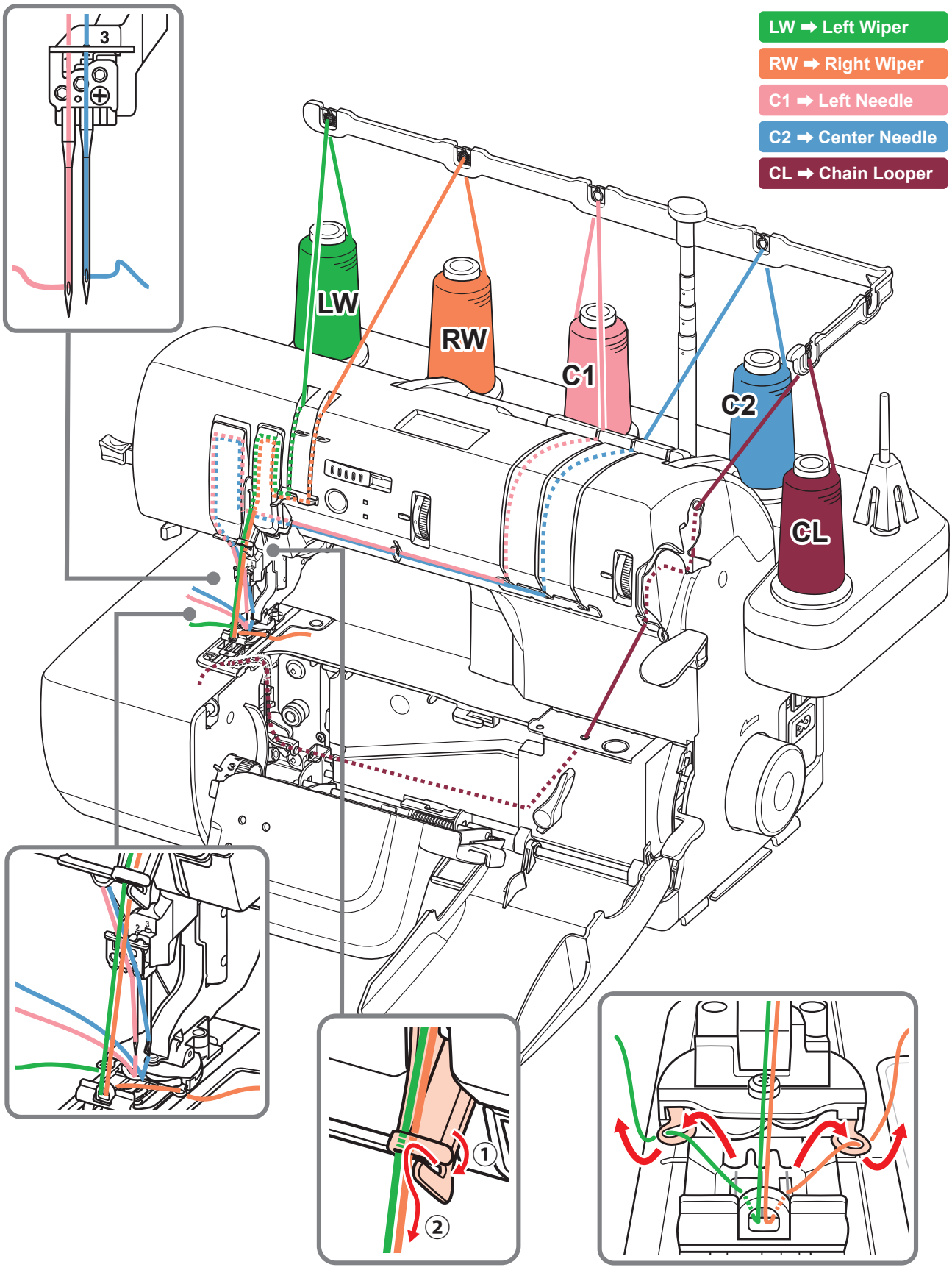
Stitch Sample



Needle C1, C2

Creative Top Cover Stitch - Left Narrow 3mm (Cont.)

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1 and C2	**AUTO (0)**	**2-3**	**3.0 - 4.0**		**N**



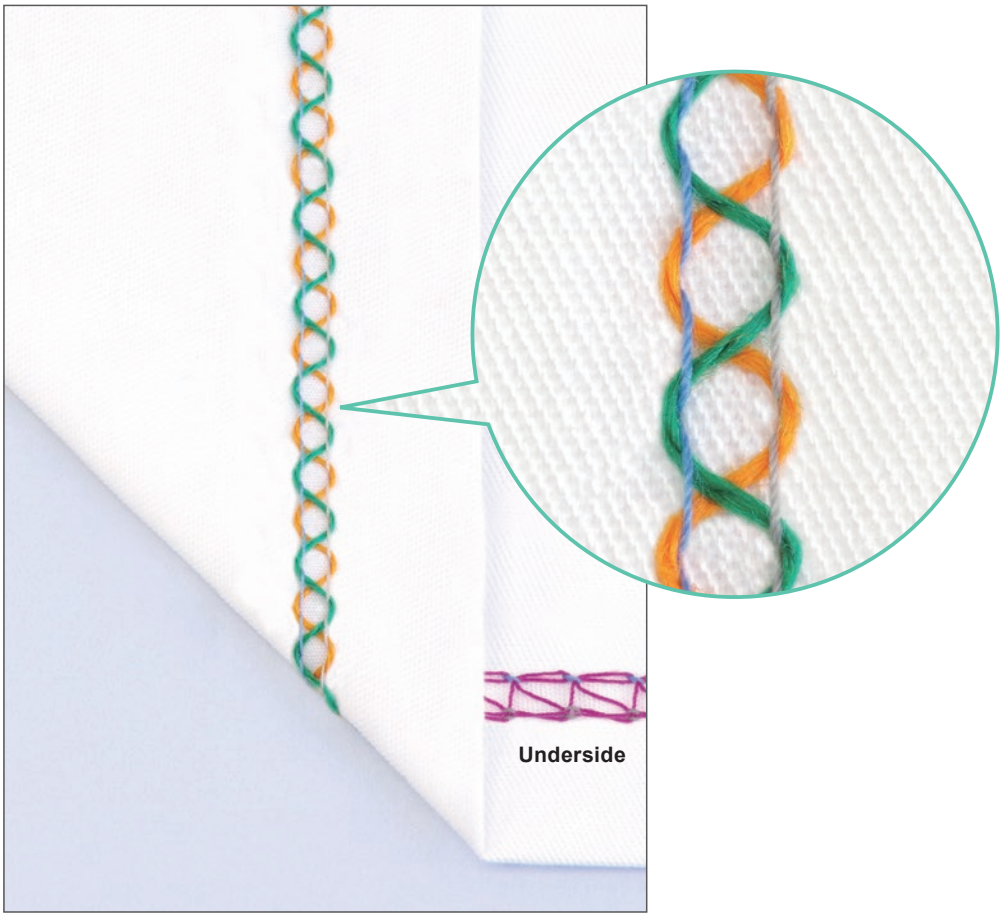
NOTE: When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).

Creative Top Cover Stitch - Right Narrow 3mm

The Creative Top Cover Right Narrow Stitch, consists of two needle threads on the topside and an inter-looped stitch on the underside. While the stitch is forming the wipers add the top threads to the stitch. The thread type can range from texturized nylon/polyester, overlock thread to decorative thread.
Considered a specialty stitch, the Creative Top Cover Stitch Right Narrow can be seen in activewear, as a hem application and as embellishment on seams.
This versatile stitch can be used with a wide variety of fabrics, from knits to wovens, including specialty fabrics.
The Right Narrow Creative Top Cover Stitch uses two "C" needles, C2 and C3, the chain looper and both the left and right wipers with finished width of 3mm.

Instructions for Chain Looper, Needle(s), Wiper(s) threading (See pages 21-26).

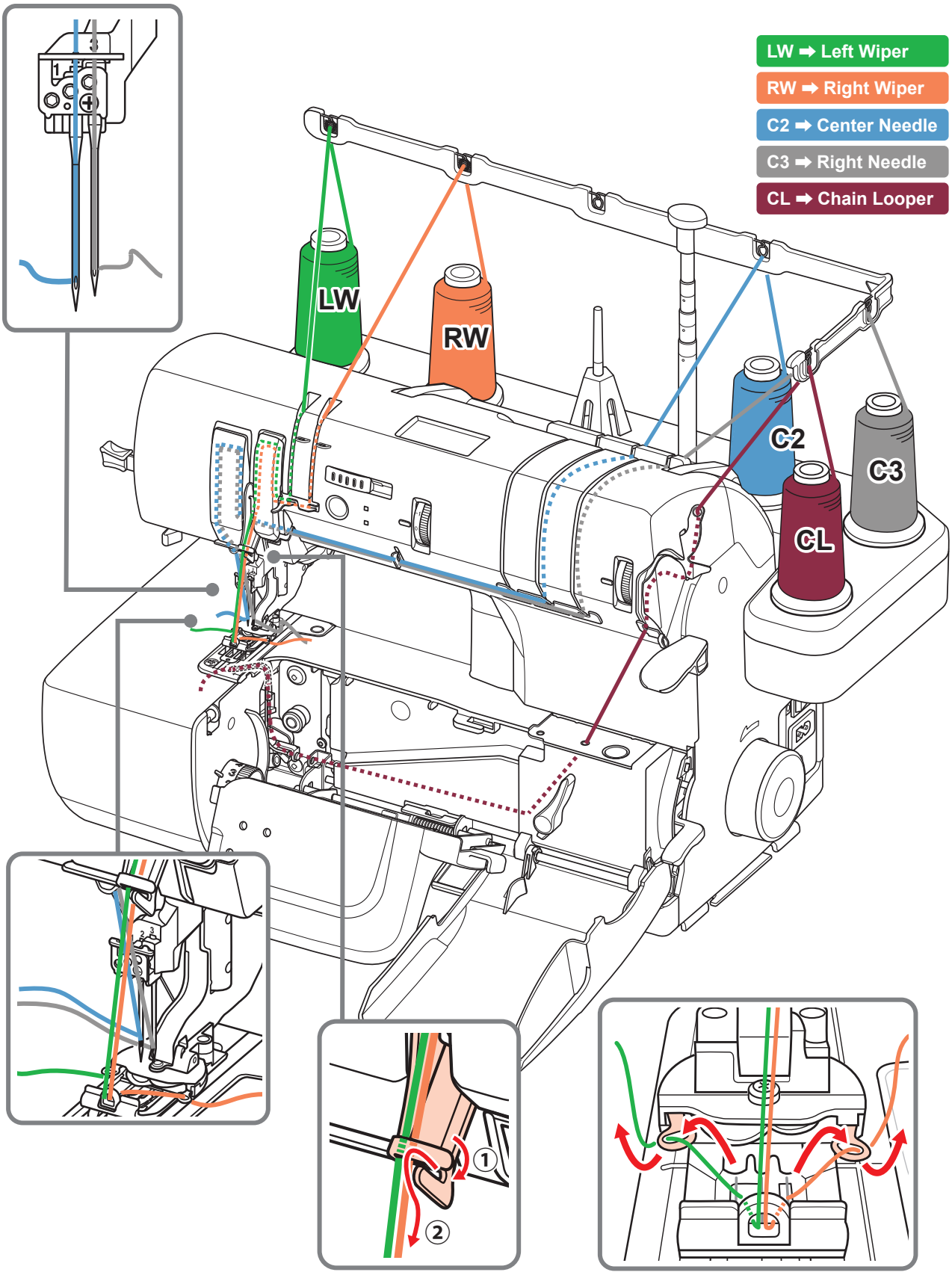
Stitch Sample



Needle C2, C3

Creative Top Cover Stitch - Right Narrow 3mm (Cont.)

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C2 and C3	AUTO (0)	2-3	3.0 - 4.0		N



NOTE: When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).

Creative Top Cover Stitch - Wide 6mm

The Creative Top Cover Wide Stitch combines the C1 and C3 needles, the chain looper and both the left and right wipers for a 6mm wide stitch.

The width of the stitch provides the perfect space to showcase decorative threads on knit, woven or specialty fabrics. When used with attachments or accessories unique, one-of-a-kind looks are possible which can be used as accents in garments, home décor projects and more.

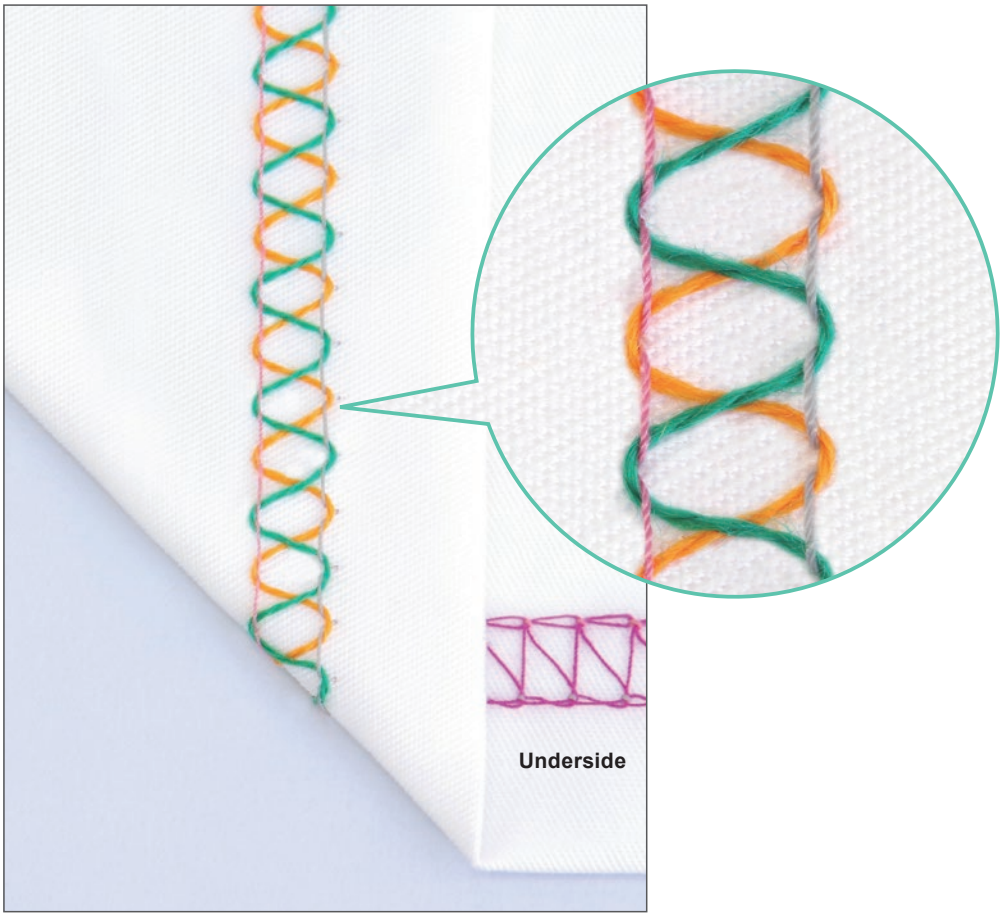
Often seen in ready-to-wear knit items, like activewear, this stitch is used to finish and highlight a seam or for hemming, which makes this a very recognizable stitch.

What threads work in the wipers? Select from a wide variety; overlock, texturized nylon/polyester and decorative threads in various weights and fiber content.

With the addition of decorative thread in the wipers the Creative Top Cover Wide Cover goes from function to fashion.

Instructions for Chain Looper, Needle(s), Wiper(s) threading (See pages 21-26).

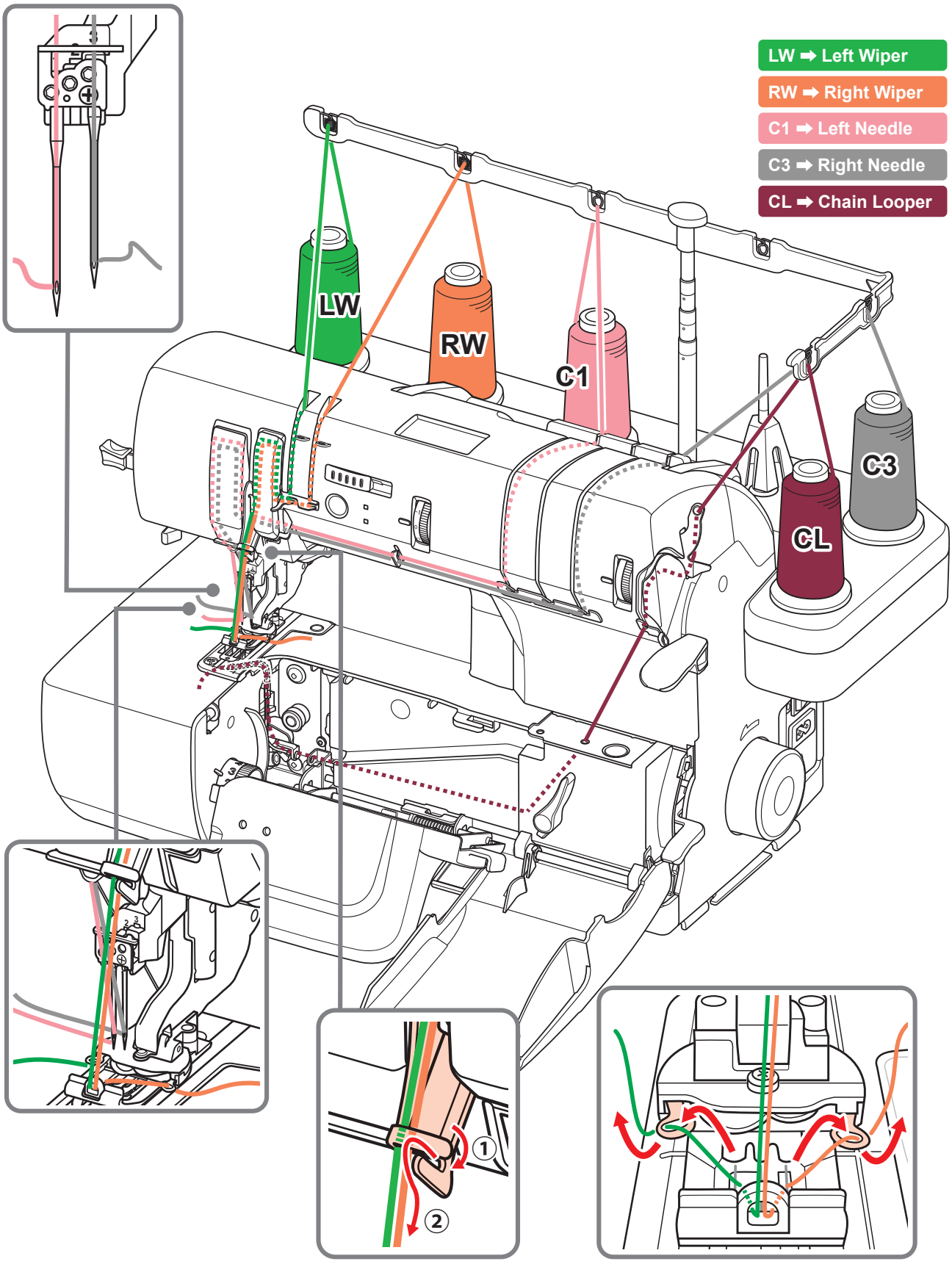
Stitch Sample



Needle C1, C3

Creative Top Cover Stitch - Wide 6mm (Cont.)

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1 and C3	AUTO (0)	2-3	3.0 - 4.0		N



NOTE: When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).

Creative Top Cover Triple Stitch 6mm

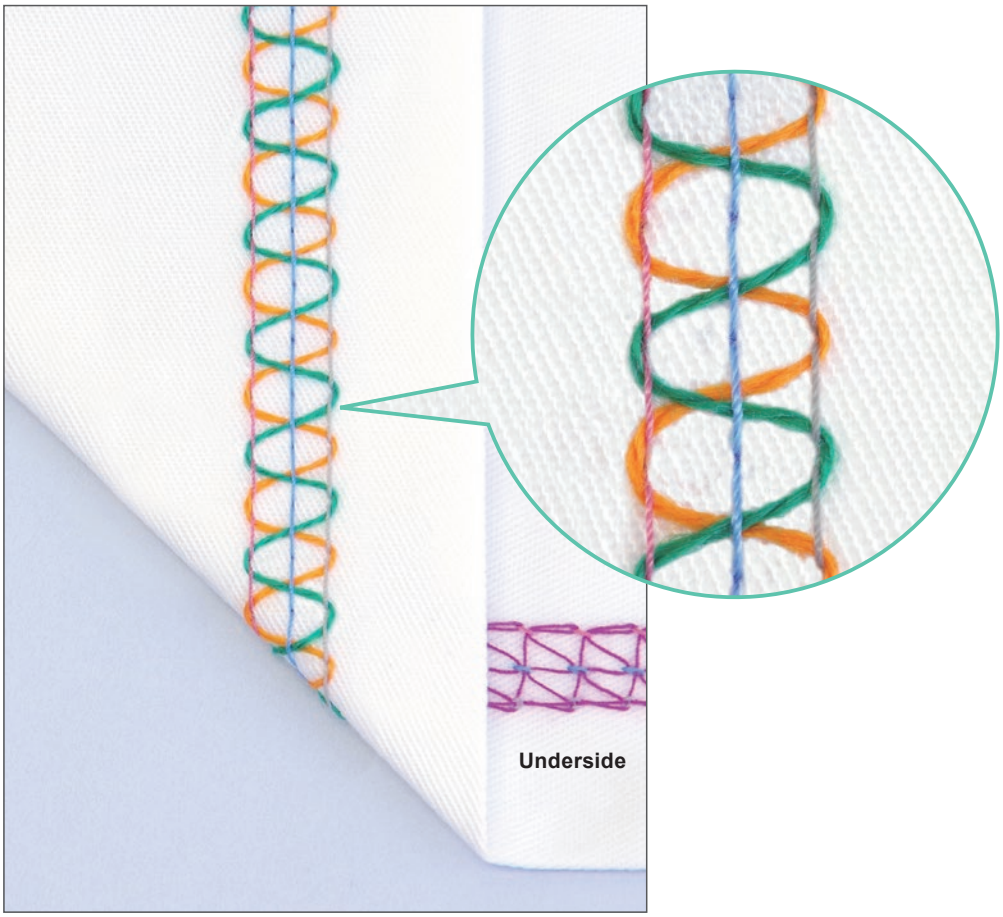
The Creative Top Cover Triple Stitch combines the C1, C2 and C3 needles, the chain looper and both the left and right wipers for a 6mm wide stitch.

The addition of the C2 needle creates a unique and creative look when comparing the stitch to the Creative Top Cover Wide stitch. Both stitch types are ideal for showing off decorative threads. When used with attachments or accessories unique, one-of-a-kind looks are possible which can be used as accents in garments, home décor projects and more.

Often seen in ready-to-wear knit items, like activewear and outwear, the Creative Top Cover Triple stitch is used to construct and highlight a seam or for hemming, which are the more popular uses of this stitch.

Instructions for Chain Looper, Needle(s), Wiper(s) threading (See pages 21-26).

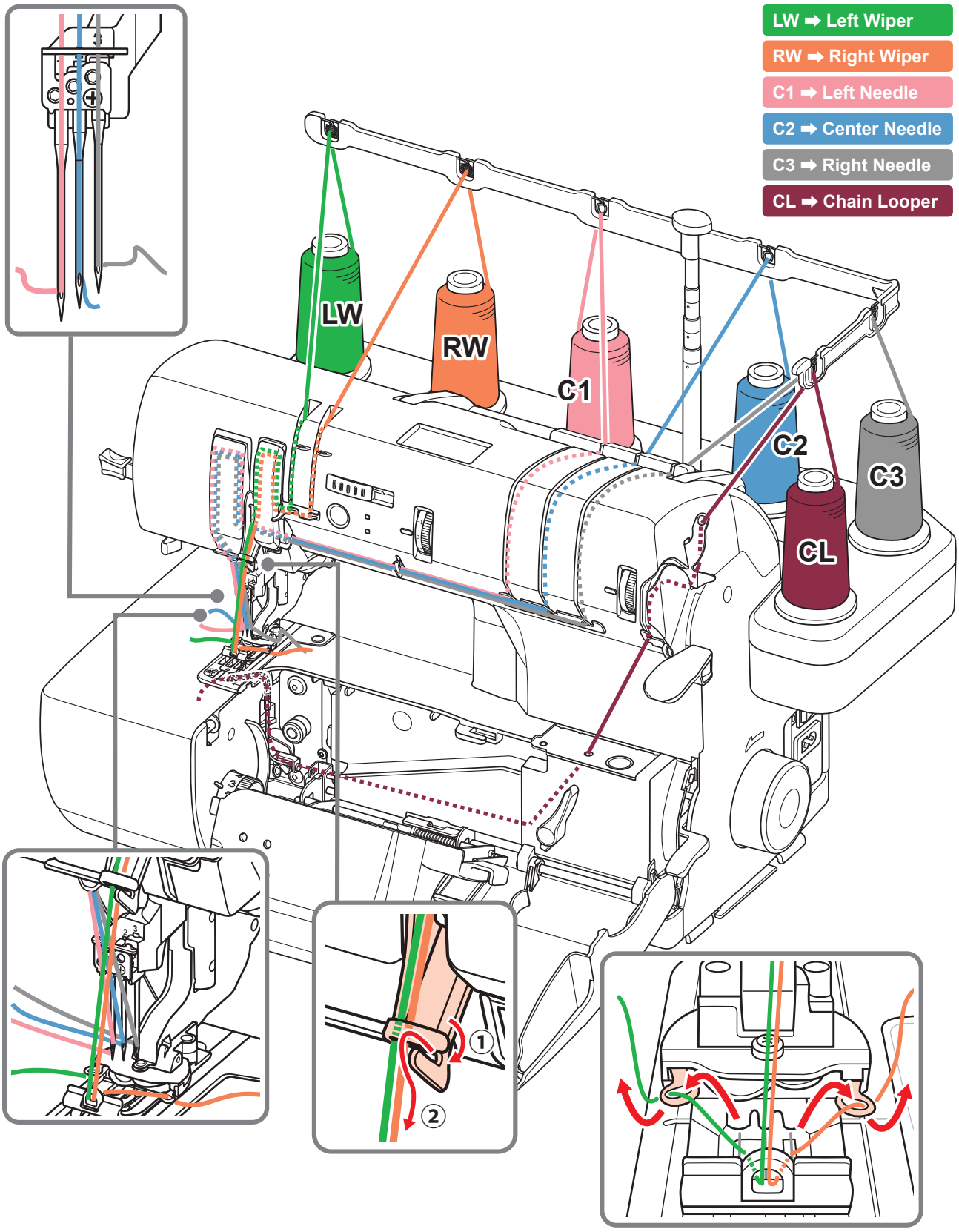
Stitch Sample



Needle C1, C2, C3

Creative Top Cover Triple Stitch 6mm (Cont.)

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1, C2 and C3	AUTO (0)	2-3	3.0 - 4.0		N



NOTE: When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).

Creative Top Cover Stitch / One Wiper

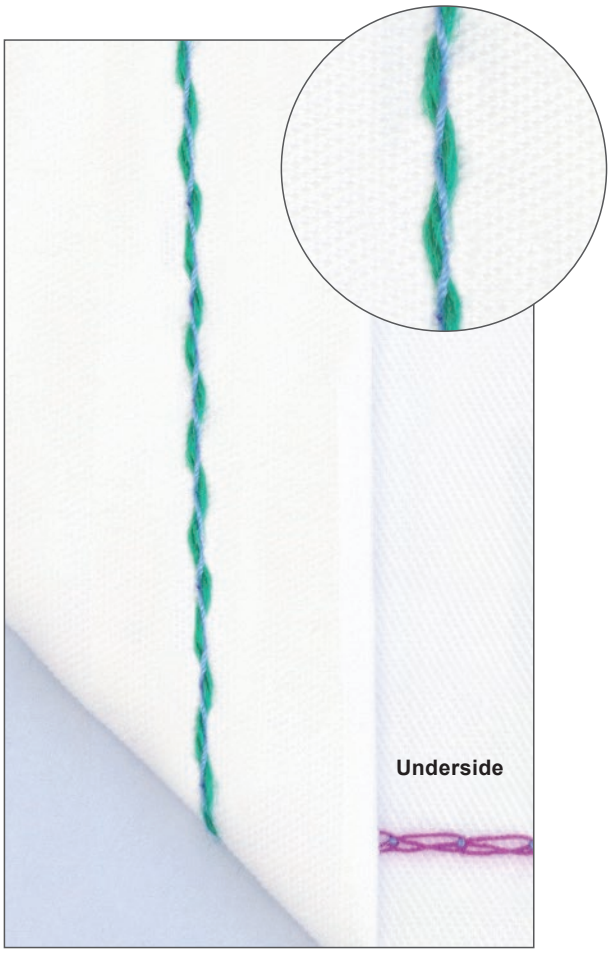
Creative Top Cover Chain Stitch / One Wiper

The Creative Top Cover Chain Stitch using one wiper combines either the C1, C2, or C3 needle with the chain looper and either the left or right wiper. Baby Lock suggests the C2 needle position for the optimal stitch performance.

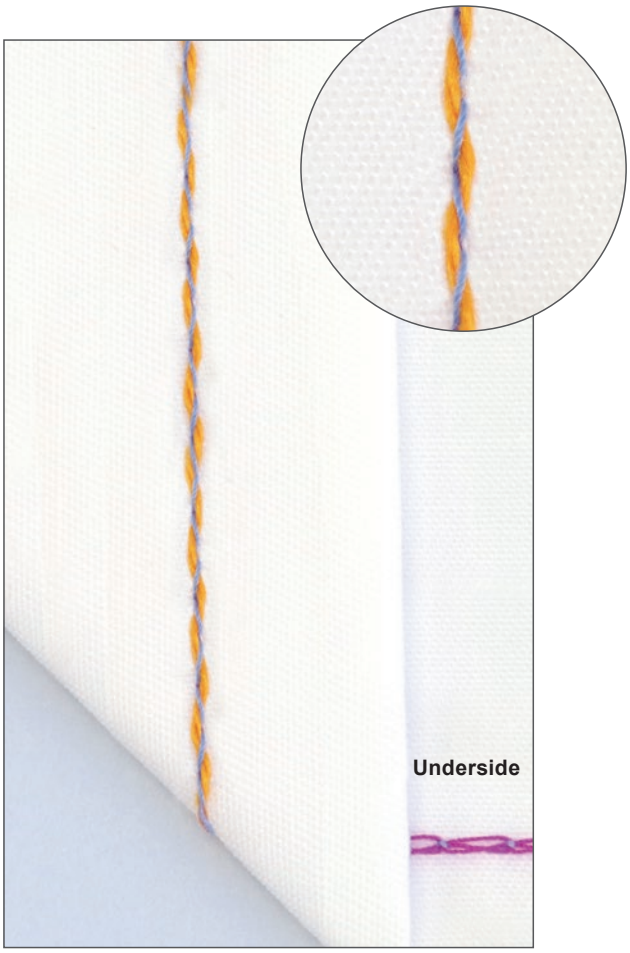
With a decorative thread in the wiper the stitch formation resembles a hand embroidery stitch. Change the wiper thread from a 40wt. to a 12wt. and see the transformation. Stitch straight rows of stitches for a subtle but dynamic look, or choose to stitch gentle curves for an artistic look. When used with attachments or accessories unique, one-of-a-kind looks are possible which can be used as accents in garments, home décor projects and more.

Instructions for Chain Looper, Needle(s), Wiper(s) threading (See pages 21-26).

Stitch Sample



Needle C1 / C2 / C3
Left Wiper



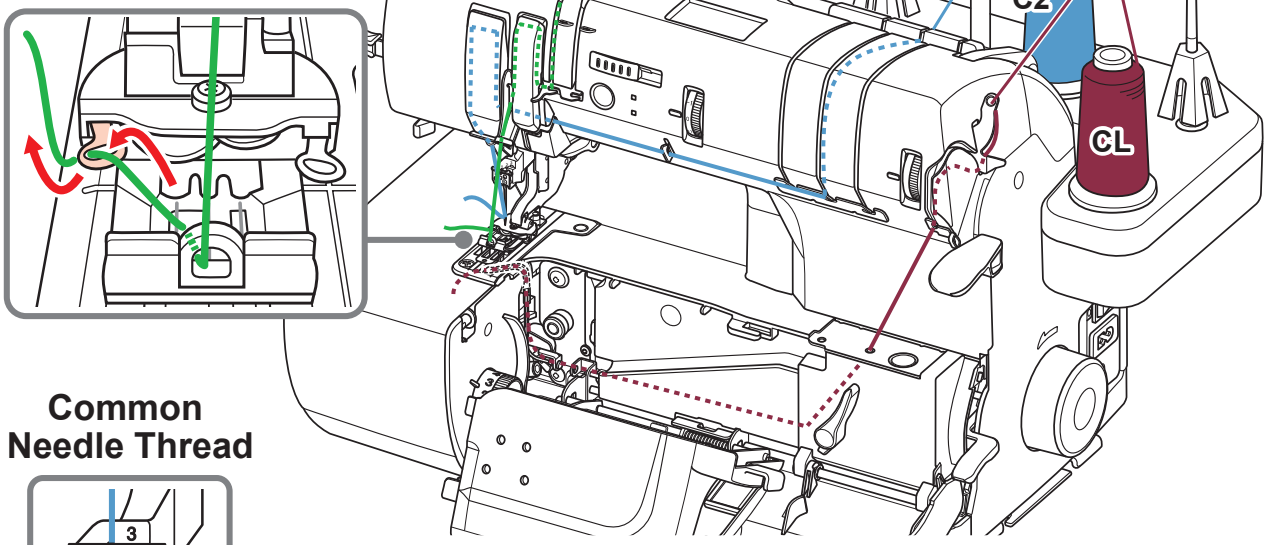
Needle C1 / C2 / C3
Right Wiper

Creative Top Cover Chain Stitch / One Wiper (Cont.)

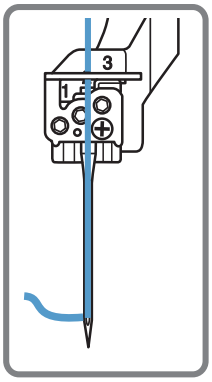
Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1 or C2 or C3	AUTO (0)	2-3	3.0 - 4.0		N

Left Wiper

LW ➡ Left Wiper
C2 ➡ Center Needle
CL ➡ Chain Looper

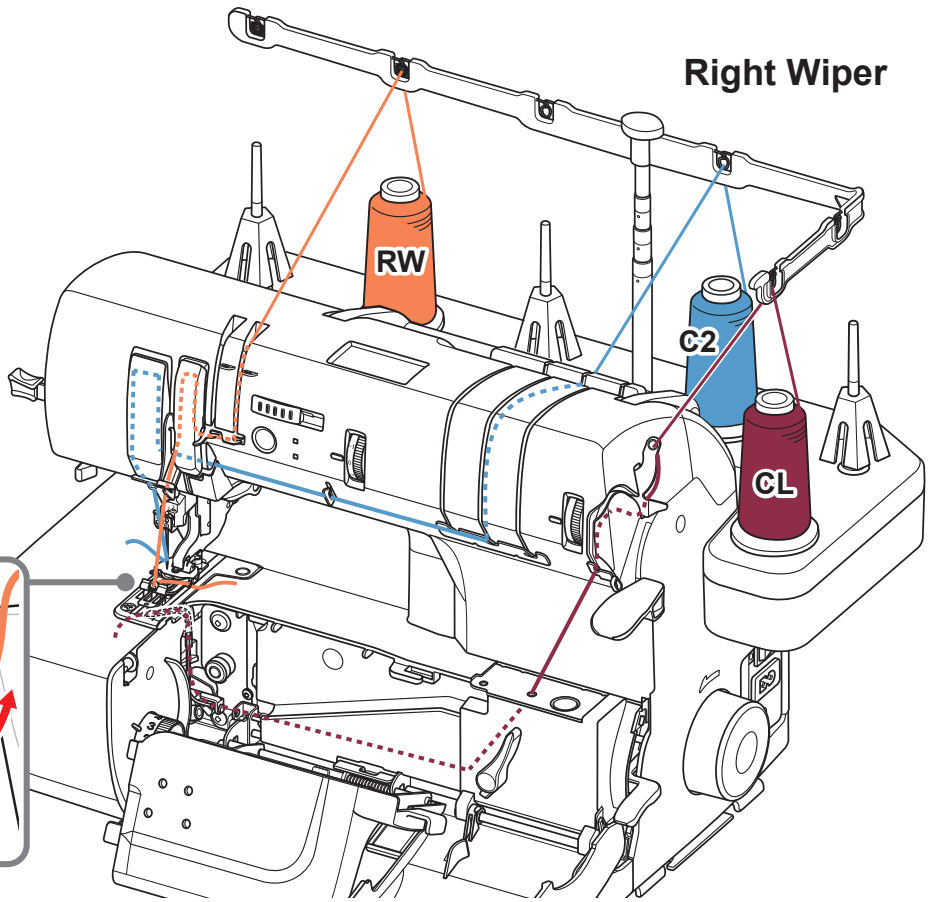


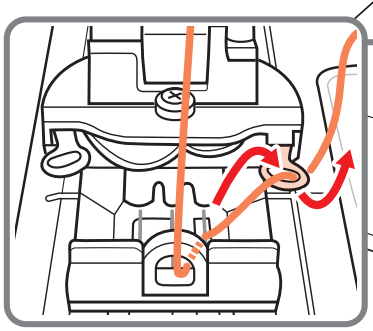
Common Needle Thread



Right Wiper

RW ➡ Right Wiper
C2 ➡ Center Needle
CL ➡ Chain Looper





NOTE: When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).

Creative Top Cover Stitch - Left Narrow 3mm / One Wiper

Just like the Creative Top Cover Left Narrow stitch with both wipers, the Creative Top Cover Left Narrow with one wiper uses the C1 and C2 needles, chain looper and the left wiper to form the stitch.

This minor change has a unique impact on the stitch appearance.

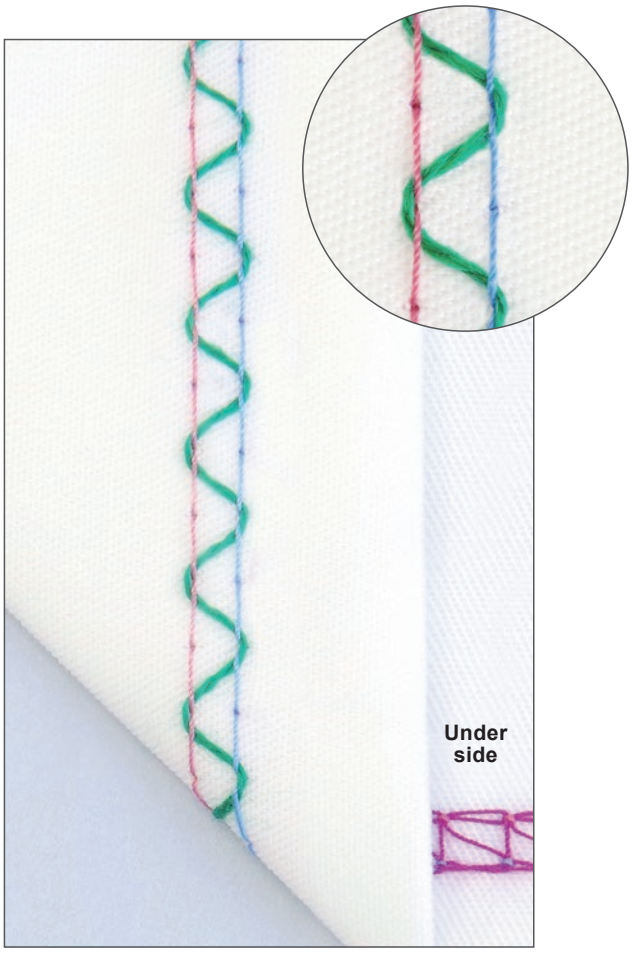
With the option to use a variety of thread types and weights, knit, woven or specialty fabrics, accessories and attachments this stitch is ideal for any creative or decorative project.

Working with lightweight knits, woven, or other fabric types? The Left Narrow Cover with one wiper is the perfect stitch for hemming and accenting seams.

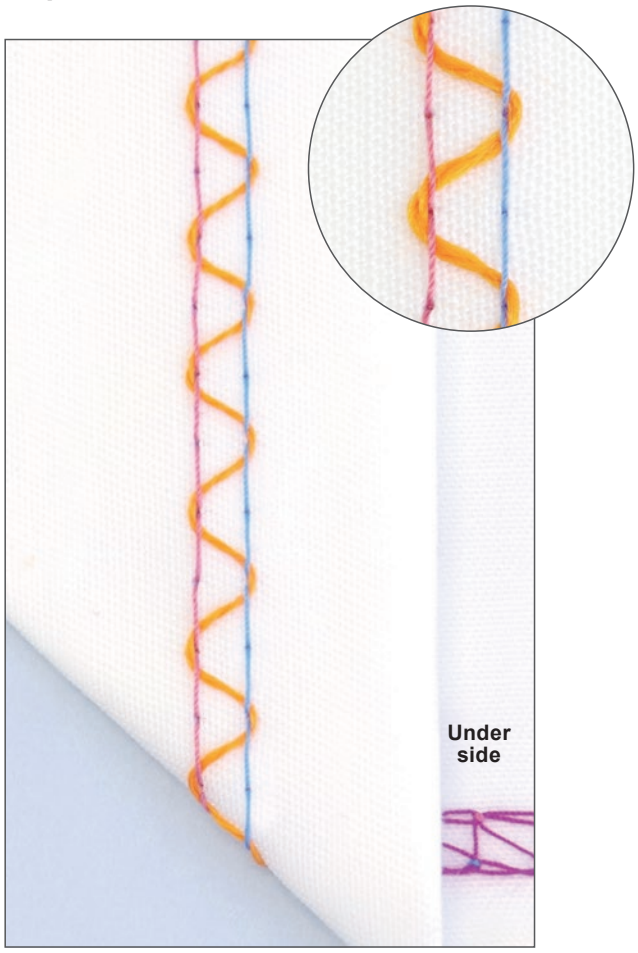
Whether using the Left Narrow Cover or the Right Narrow Cover with one wiper this specialty stitch is also an ideal embellishment stitch.

Instructions for Chain Looper, Needle(s), Wiper(s) threading (See pages 21-26).

Stitch Sample



Needle C1, C2 / Left Wiper



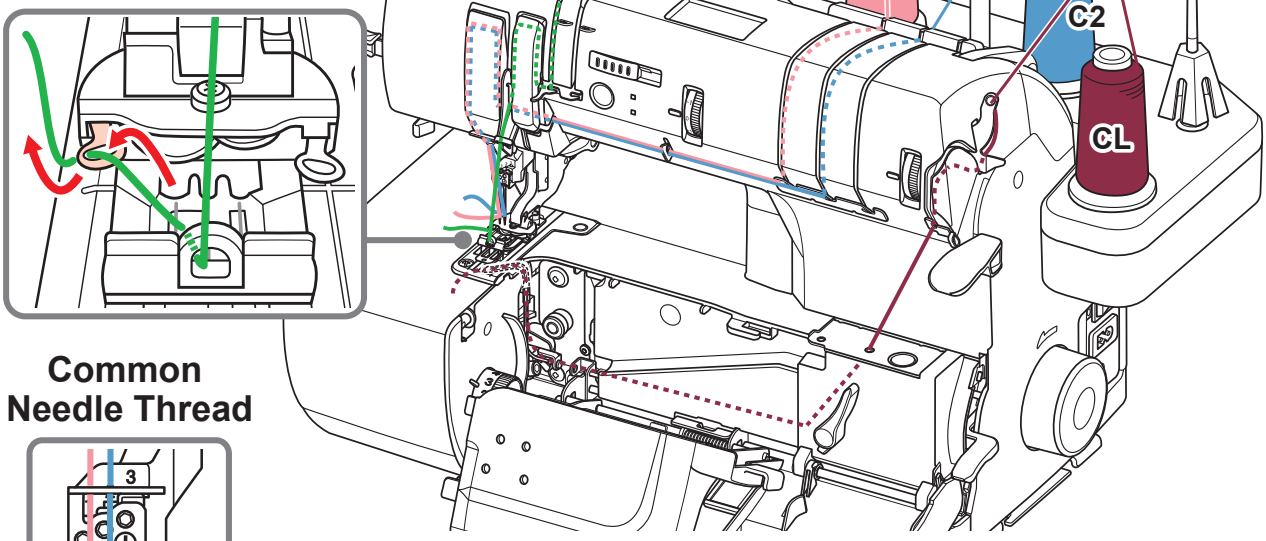
Needle C1, C2 / Right Wiper

Creative Top Cover Stitch - Left Narrow 3mm / One Wiper (Cont.)

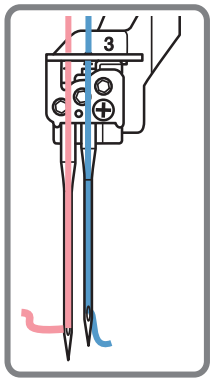
Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1 and C2	AUTO (0)	2-3	3.0 - 4.0		N

Left Wiper

LW ➡ Left Wiper
C1 ➡ Left Needle
C2 ➡ Center Needle
CL ➡ Chain Looper

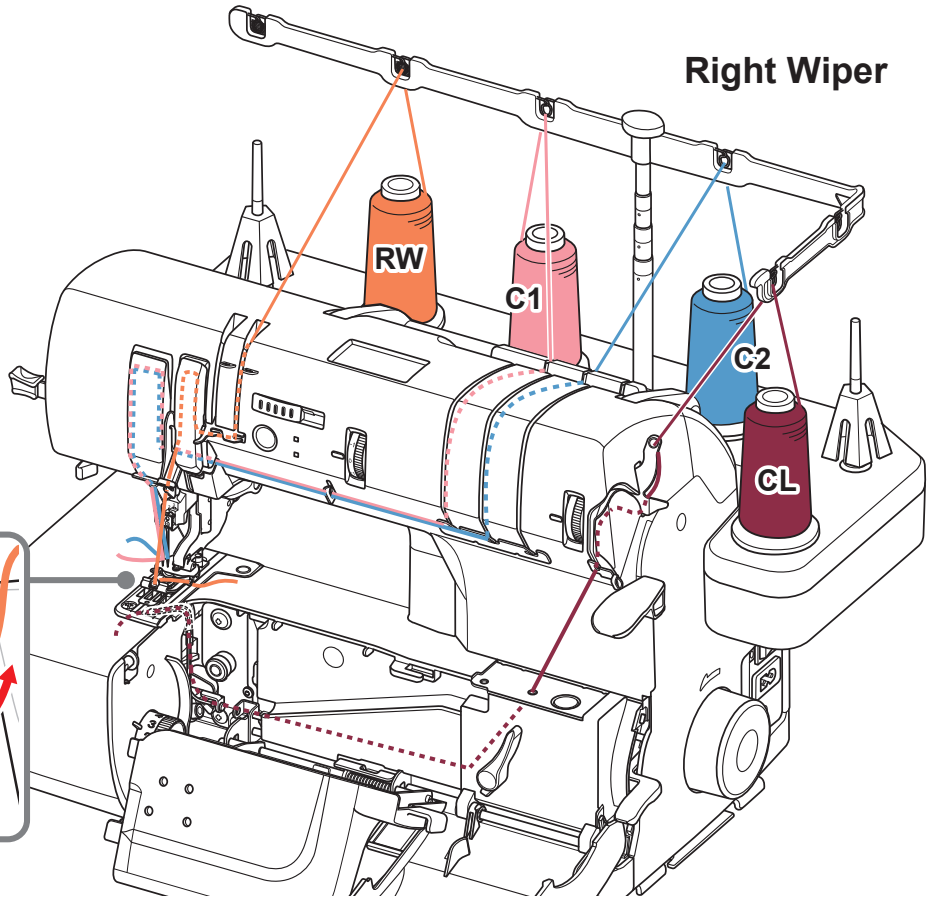


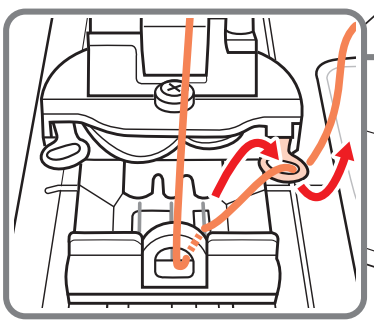
Common Needle Thread



Right Wiper

RW ➡ Right Wiper
C1 ➡ Left Needle
C2 ➡ Center Needle
CL ➡ Chain Looper





NOTE: When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).

Creative Top Cover Stitch - Right Narrow 3mm / One Wiper

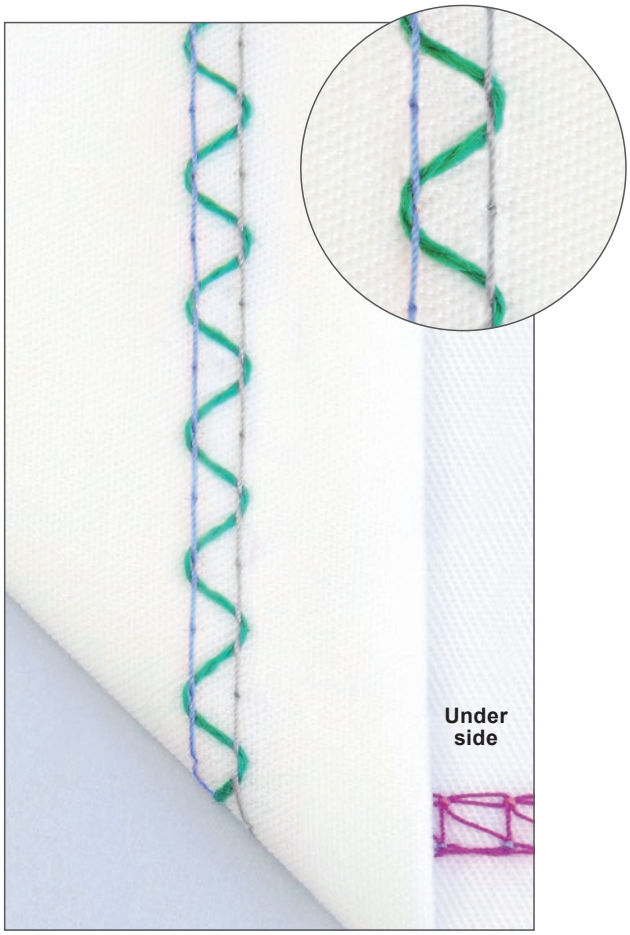
With only one wiper thread, either left or right, the Creative Top Cover Stitch Right Narrow is transformed into a creative stitch with a unique appearance and plenty of impact.

With the option to use a variety of thread types and weights, knit, woven or specialty fabrics, accessories and attachments this stitch is ideal for any creative or decorative project.

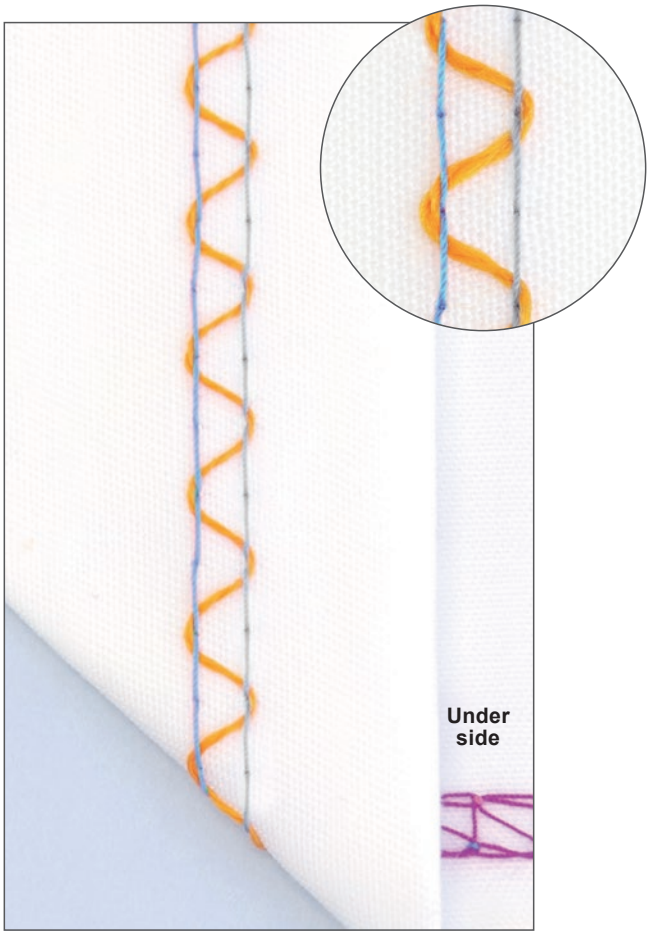
Working with lightweight knits, woven, or other fabric types? The Creative Top Cover Right Narrow with one wiper is the perfect stitch for hemming and accenting seams.

Instructions for Chain Looper, Needle(s), Wiper(s) threading (See pages 21-26).

Stitch Sample



Needle C2, C3 / Left Wiper



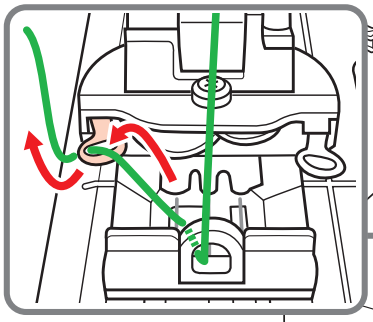
Needle C2, C3 / Right Wiper

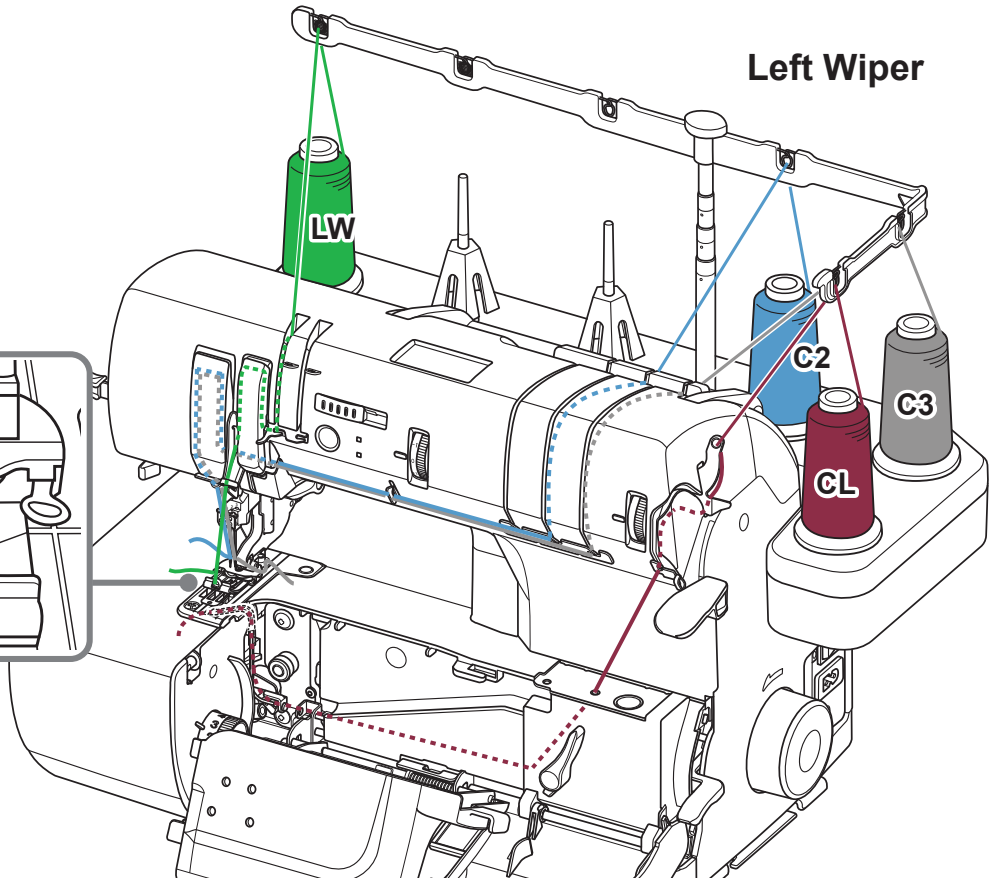
Creative Top Cover Stitch Right Narrow 3mm / One Wiper (Cont.)

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C2 and C3	AUTO (0)	2-3	3.0 - 4.0		N

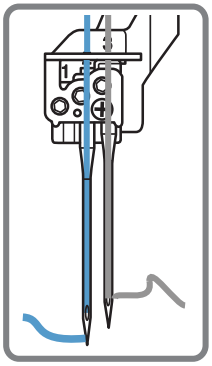
Left Wiper

LW ➡ Left Wiper
C2 ➡ Center Needle
C3 ➡ Right Needle
CL ➡ Chain Looper



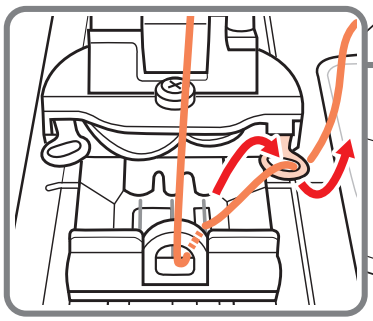


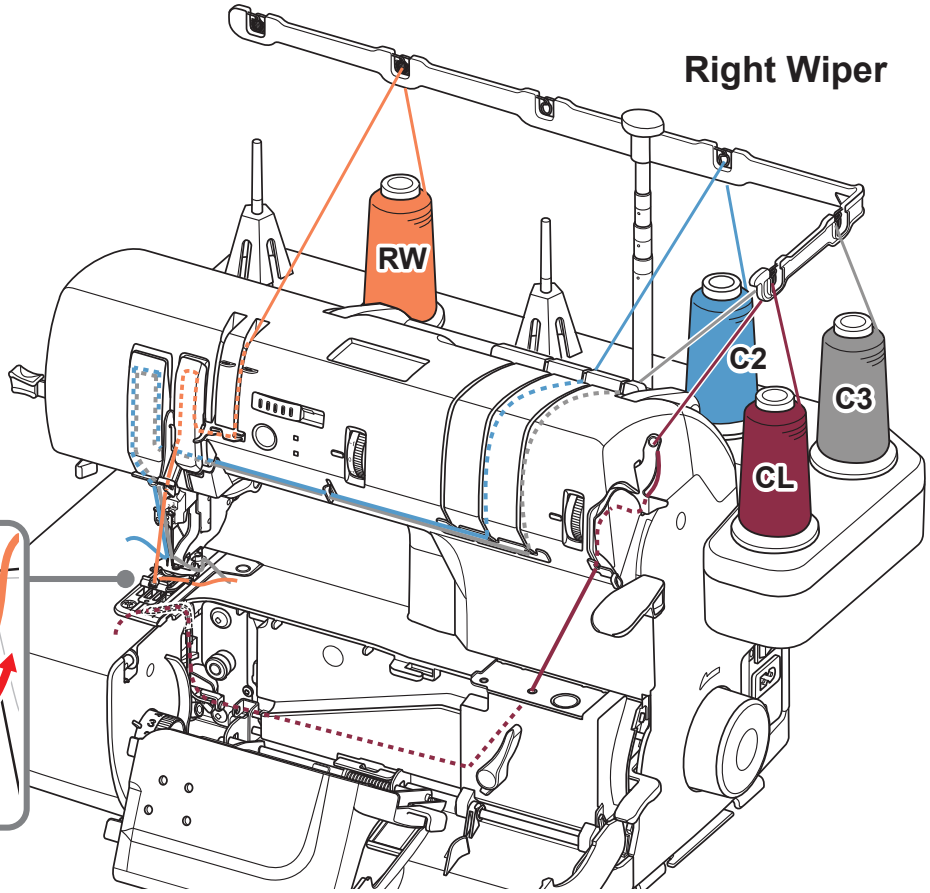
Common Needle Thread



Right Wiper

RW ➡ Right Wiper
C2 ➡ Center Needle
C3 ➡ Right Needle
CL ➡ Chain Looper





NOTE: When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).

Creative Top Cover Stitch - Wide 6mm / One Wiper

The Creative Top Cover Stitch Wide combines the C1 and C3 needles, the chain looper and either the left or right wiper for a 6mm wide stitch.

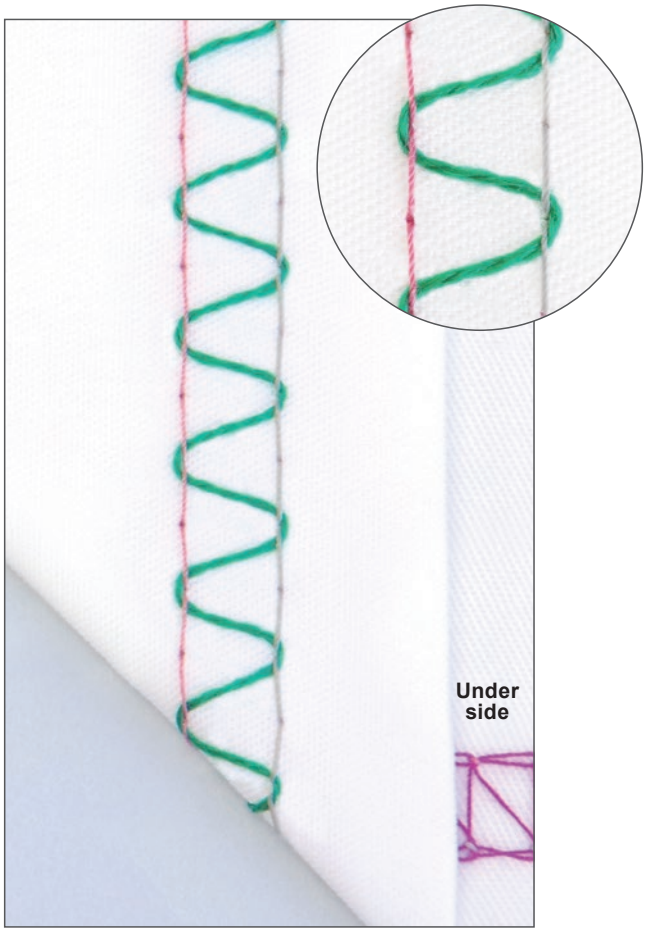
With only one wiper and the stitch width the finished look is lighter in appearance, making it ideal for those heavier knits, like double knits or polar fleece in addition to heavier woven and specialty fabrics. When used with attachments or accessories, use as an embellishment on garments, home décor projects and more, creating a unique one-of-a-kind look.

Often seen in ready-to-wear knit items, like activewear, this stitch is used for hemming and for seam construction or to accent the seam. With the use of one wiper and decorative thread the stitch goes from function and form to creative and unique.

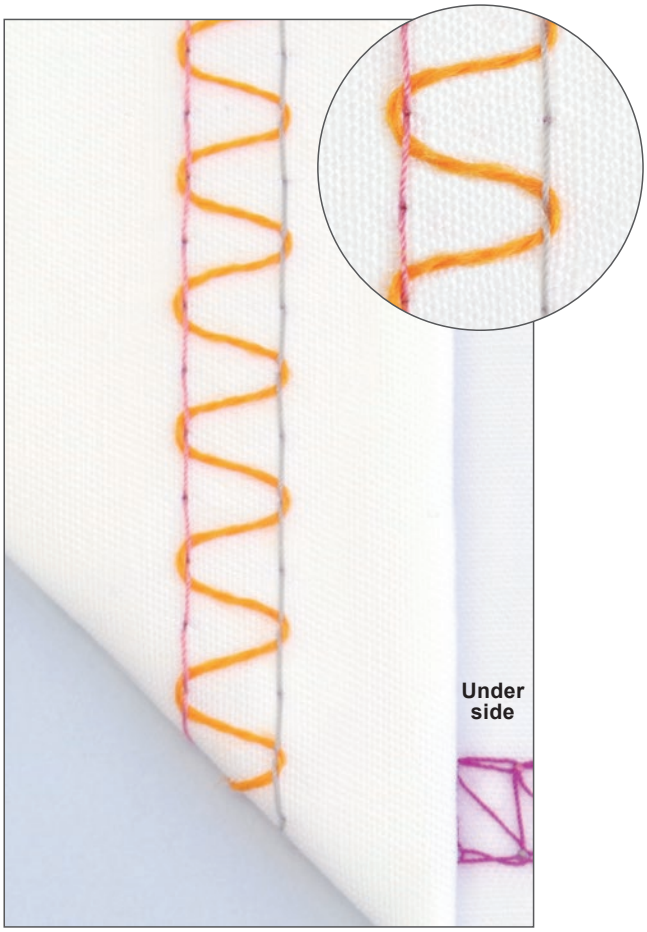
What threads work in the wipers? Select from a wide variety; overlock, texturized nylon/polyester and decorative threads in various weights and fiber content.

Instructions for Chain Looper, Needle(s), Wiper(s) threading (See pages 21-26).

Stitch Sample



Needle C1, C3 / Left Wiper



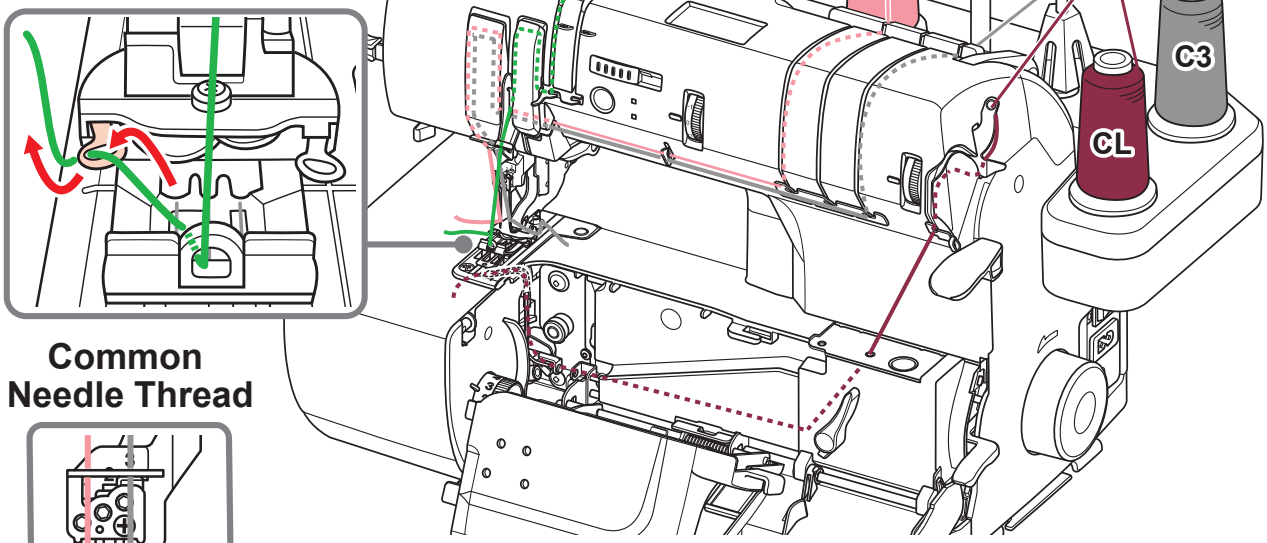
Needle C1, C3 / Right Wiper

Creative Top Cover Stitch - Wide 6mm / One Wiper (Cont.)

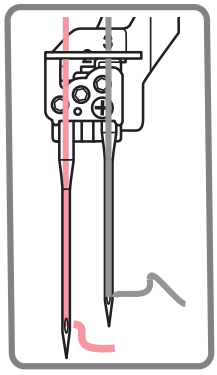
Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1 and C3	AUTO (0)	2-3	3.0 - 4.0		N

Left Wiper

LW ➡ Left Wiper
C1 ➡ Left Needle
C3 ➡ Right Needle
CL ➡ Chain Looper

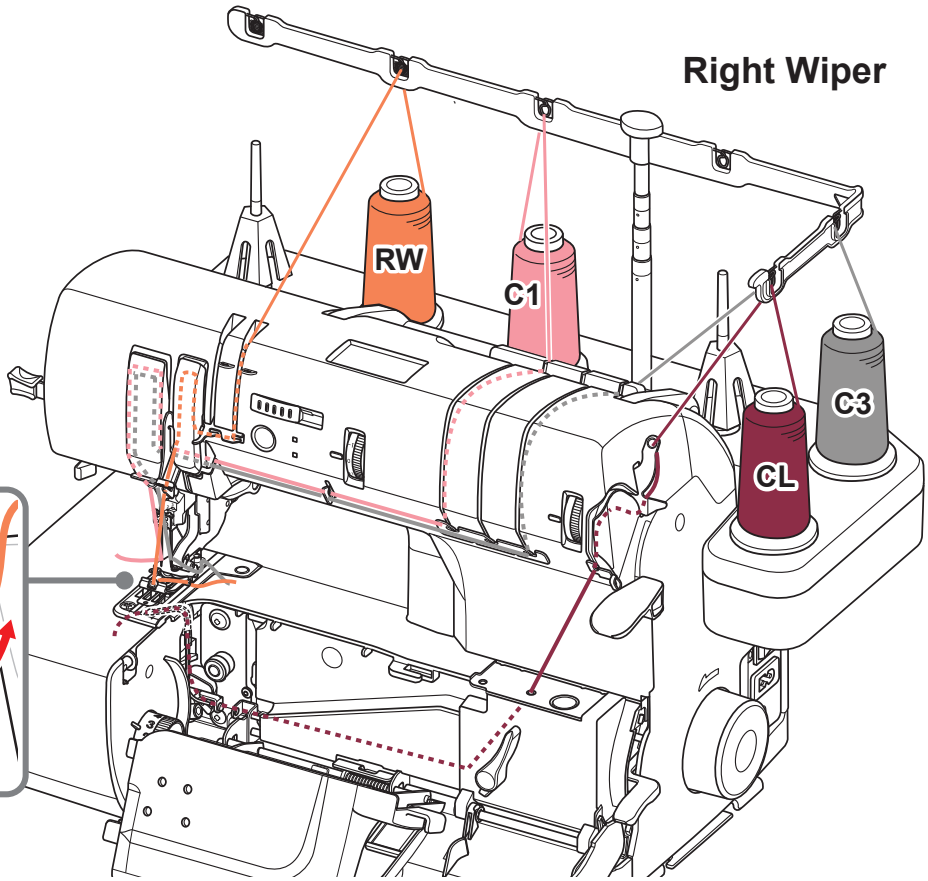


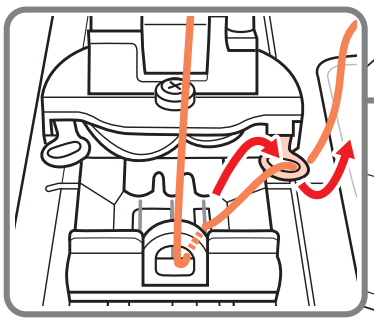
Common Needle Thread



Right Wiper

RW ➡ Right Wiper
C1 ➡ Left Needle
C3 ➡ Right Needle
CL ➡ Chain Looper





NOTE: When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).

Creative Top Cover Triple Stitch 6mm / One Wiper

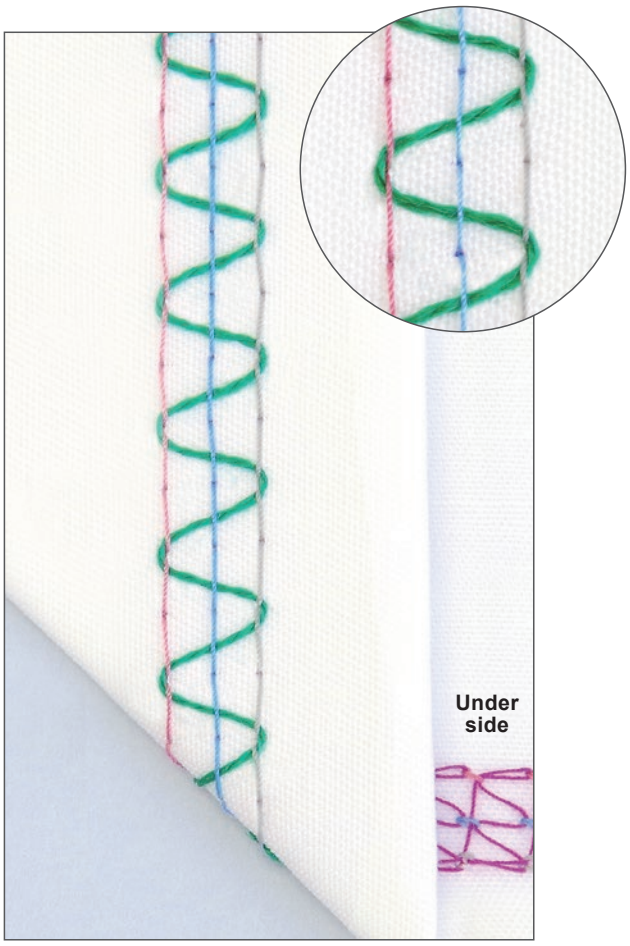
The Creative Top Cover Triple Stitch combines the C1, C2 and C3 needles, the chain looper and one wiper, either the left or right for a 6mm wide stitch.

Using one wiper creates a unique and creative look when comparing the stitch to the Creative Top Cover Triple stitch. The stitch width is perfect for showing off decorative threads, and with the additional needle thread, C2, the look becomes more of an embellishment stitch.

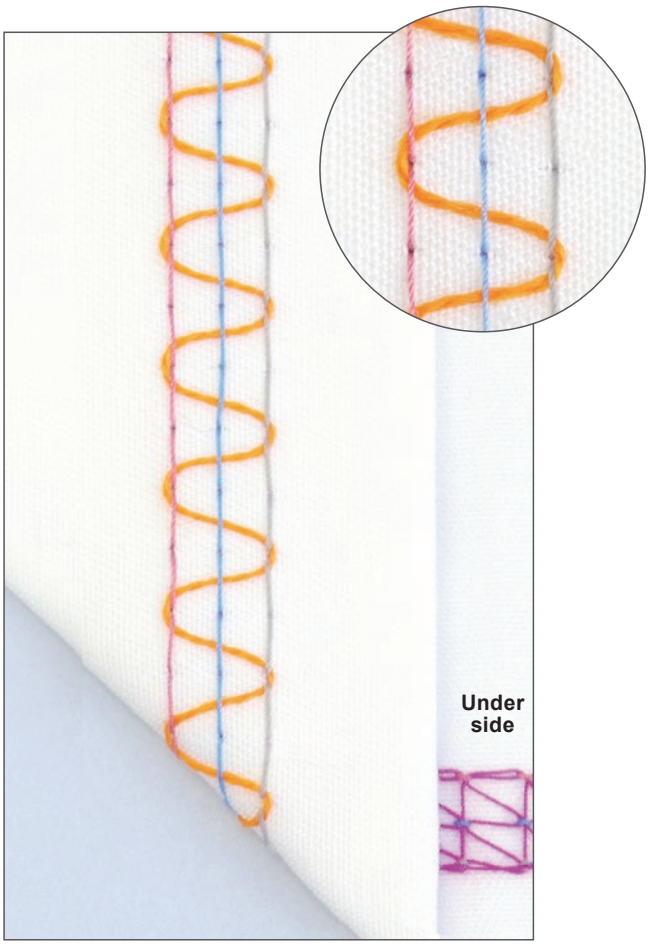
Use this stitch with attachments or accessories to add even more depth, texture and interest to any project.

Instructions for Chain Looper, Needle(s), Wiper(s) threading (See pages 21-26).

Stitch Sample



Needle C1, C2, C3 / Left Wiper

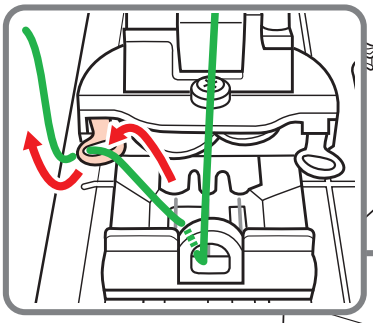


Needle C1, C2, C3 / Right Wiper

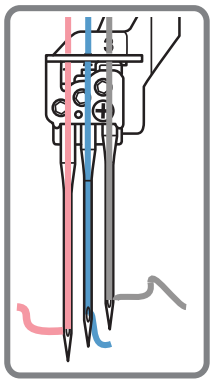
Creative Top Cover Triple Stitch 6mm / One Wiper (Cont.)

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1, C2 and C3	AUTO (0)	2-3	3.0 - 4.0		N

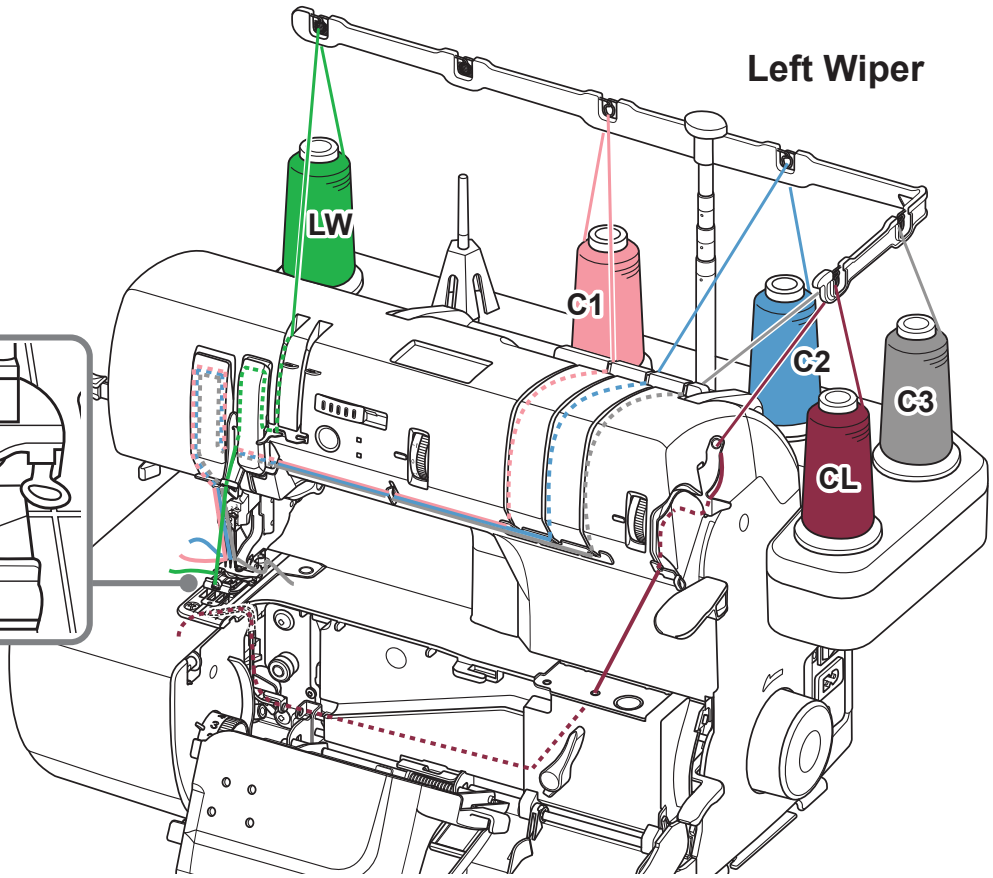
LW ➡ Left Wiper
C1 ➡ Left Needle
C2 ➡ Center Needle
C3 ➡ Right Needle
CL ➡ Chain Looper



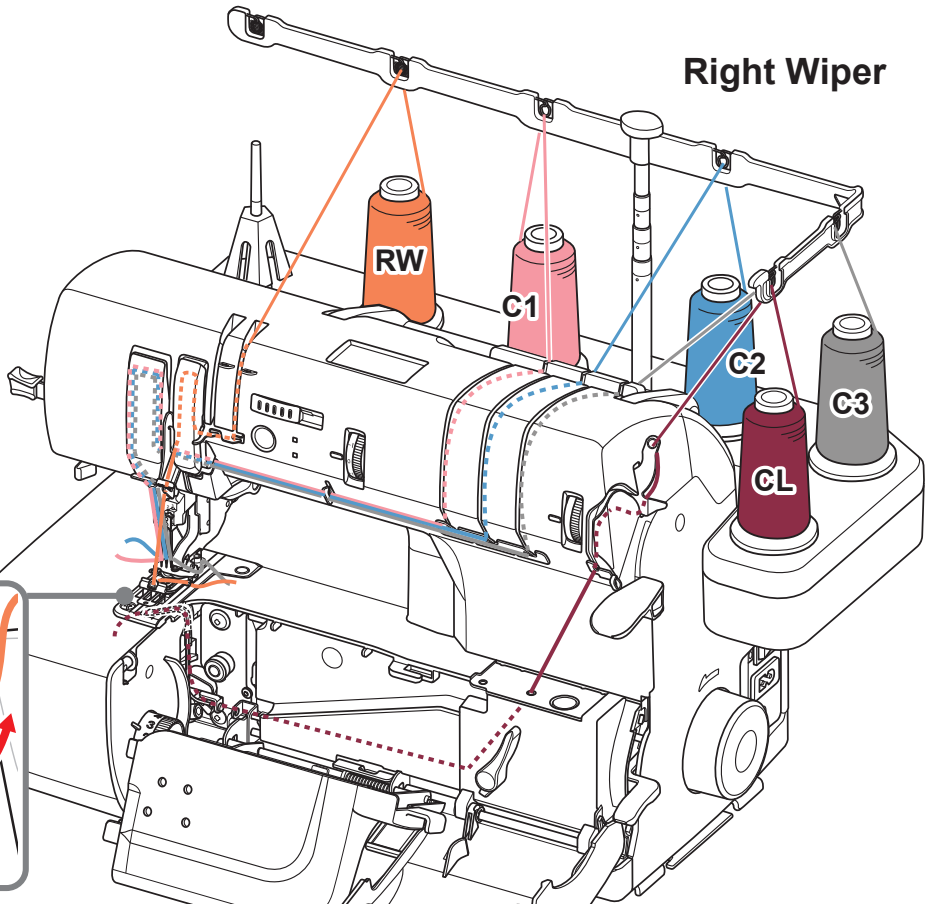
Common Needle Thread



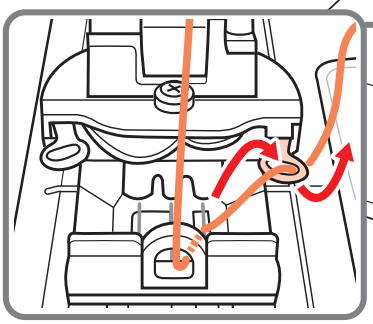
Left Wiper



Right Wiper



RW ➡ Right Wiper
C1 ➡ Left Needle
C2 ➡ Center Needle
C3 ➡ Right Needle
CL ➡ Chain Looper

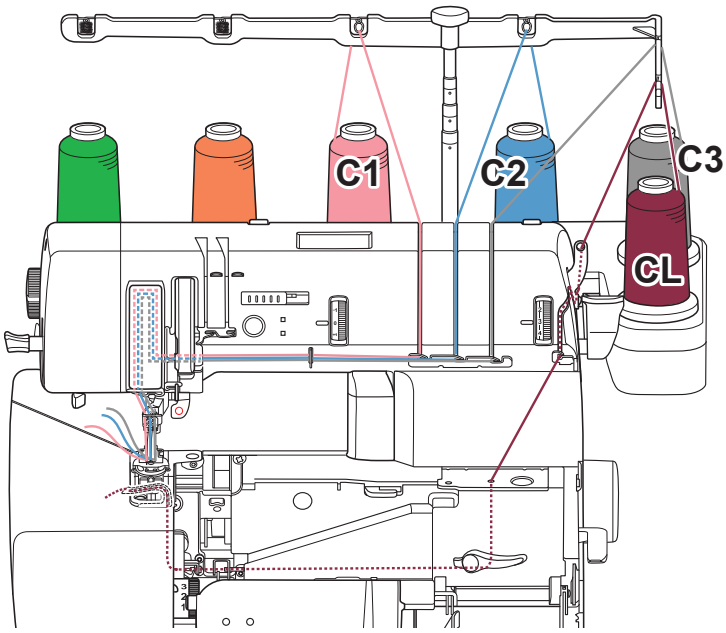


NOTE: When threading the wiper always make sure to place the wiper thread in front of the needle thread(s).

Threading (Chain / Cover Stitch)

Chain Looper, Needle(s) thread path indication.

C1 ➡ Left Needle
C2 ➡ Center Needle
C3 ➡ Right Needle
CL ➡ Chain Looper



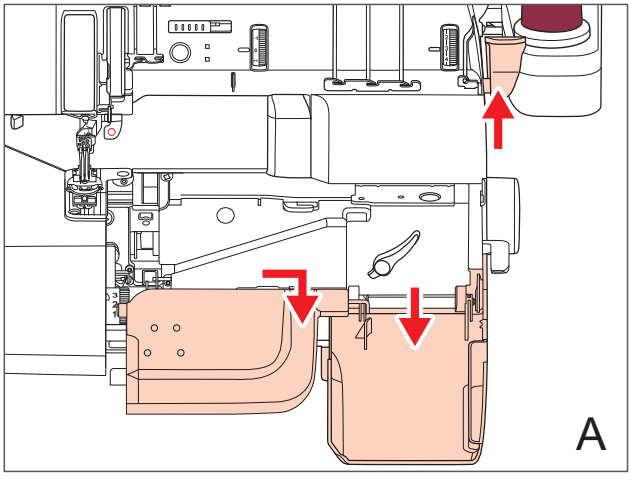
Follow the instructions below for threading the Cover Stitch:

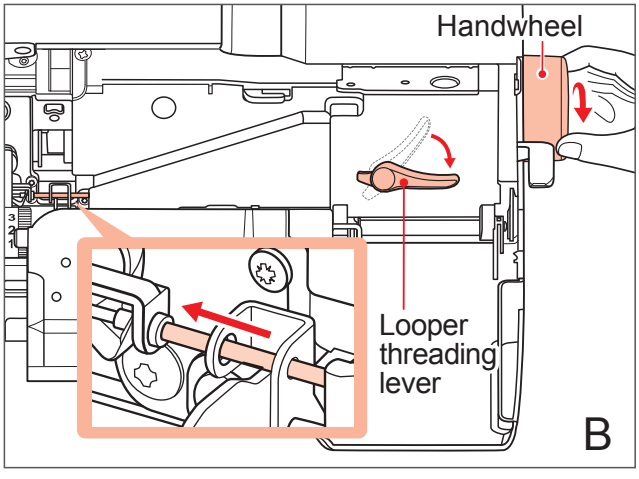
1. Chain Looper Threading Port Set Up-Threading (see page 49).
2. Chain Looper Threading (see page 50).
3. Chain/ Cover Needle(s) Threading (see page 51).
4. Chain Looper Threading Port Set Up-Threading Completed (see page 52).
5. Start to Sew (see page 52).

Chain Looper Threading Port Set Up-Threading

NOTE: Unless otherwise indicated the serger should be locked in threading position to thread both the needle(s) and chain looper.

1. Open the front cover and front table. Raise the presser foot to release all threads (fig. A).
2. Set the threading lever from serging position to threading position (fig. B).
3. Rotate the machine handwheel slowly toward you until the tube moves to the connecting position and locks into place (fig. B).



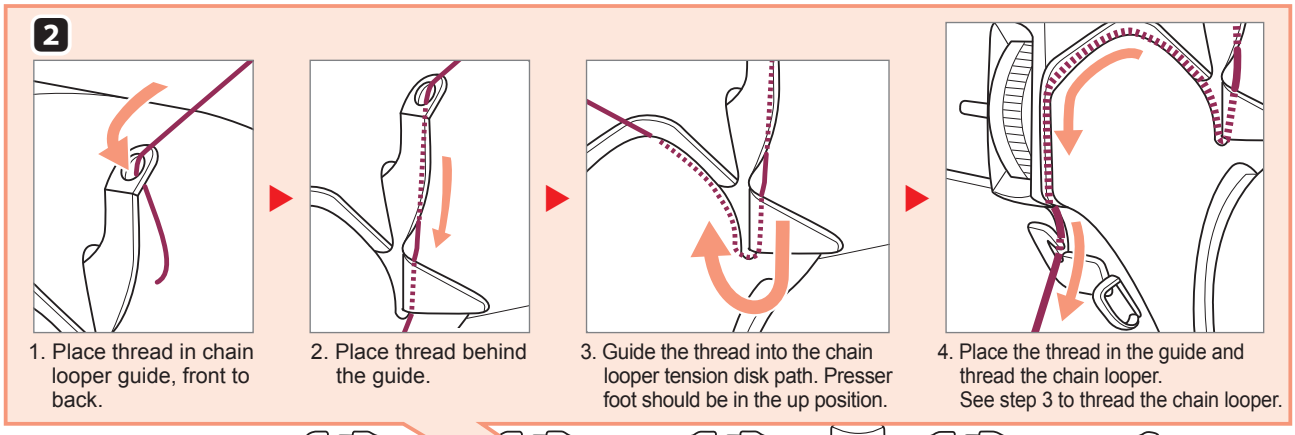


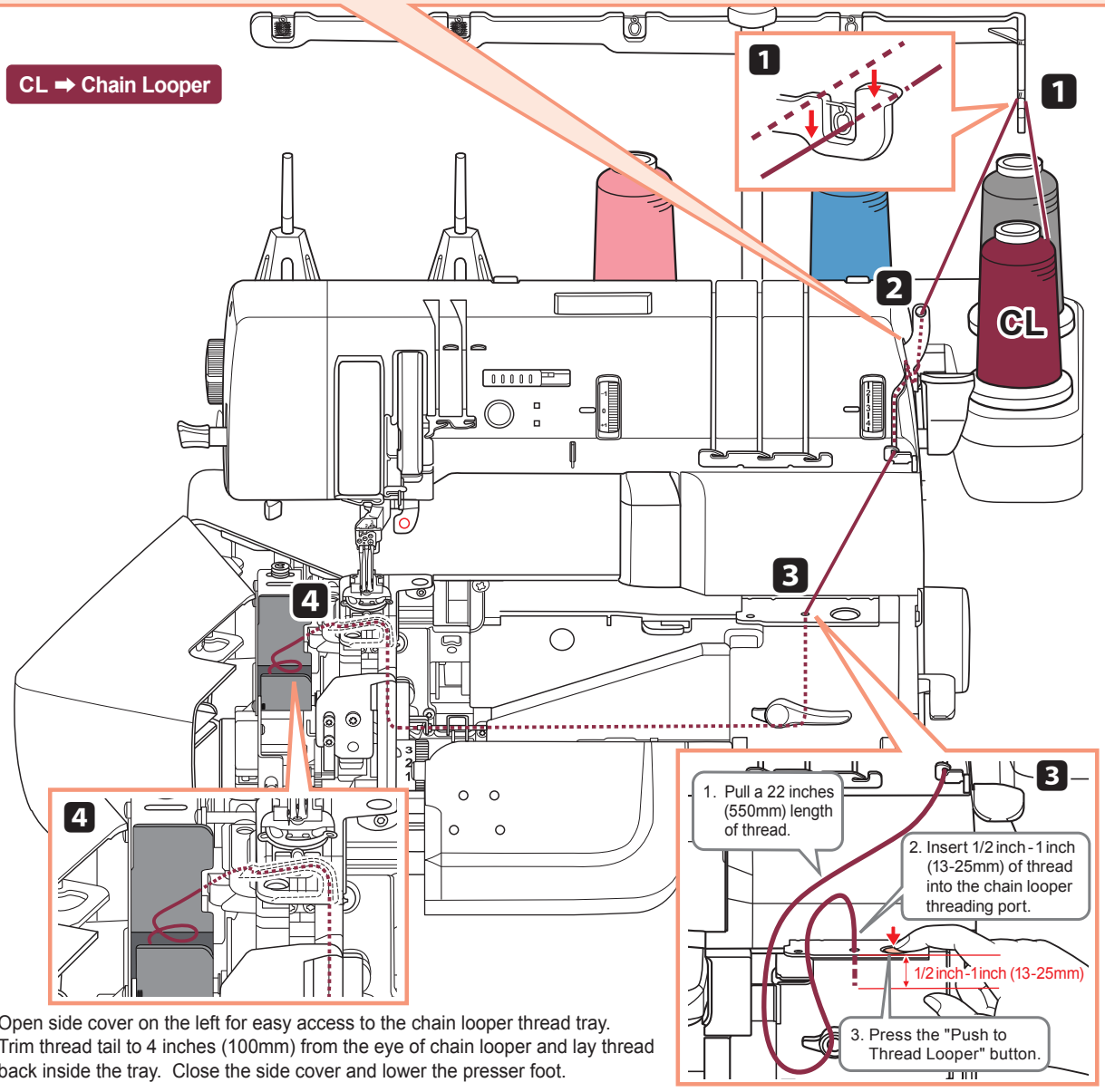
Chain Looper Threading

Make sure the steps for threading the chain looper port are completed (see page 49 Chain Looper Threading Port Set Up-Threading). Thread the chain looper following the numeric sequence below.

NOTE: • Wiper positioning lever should always be in the down (wipers open) position when using the combination foot with cover/chain stitch.

• When threading the chain looper, remove any thread that may be in the looper tube. This will eliminate any chance of the previous thread obstructing the flow of the air when threading the chain looper.





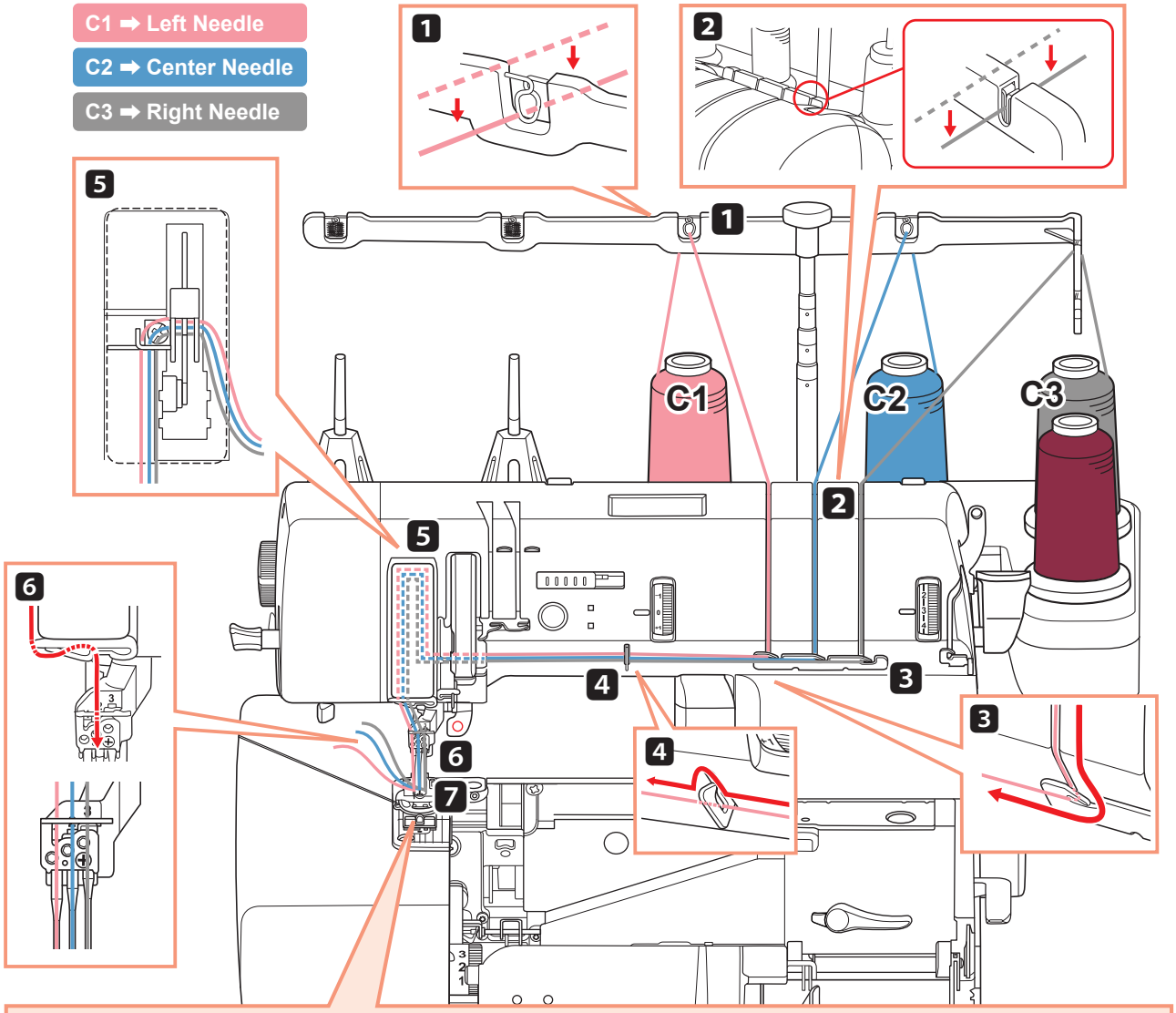
Open side cover on the left for easy access to the chain looper thread tray. Trim thread tail to 4 inches (100mm) from the eye of chain looper and lay thread back inside the tray. Close the side cover and lower the presser foot.

NOTE: For the steps on releasing the chain looper threading lever see page 52.

Chain / Cover Needle(s) Threading

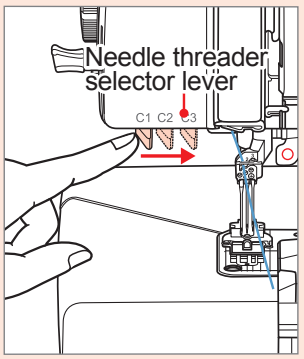
Make sure the steps for threading the chain looper port are completed (see pages 49-50 Chain Looper Threading Port Set Up and Threading). Thread the needle(s) following the numeric sequence below.

NOTE: Wiper positioning lever should always be in the down (wipers open) position when using the combination foot with cover/chain stitch.

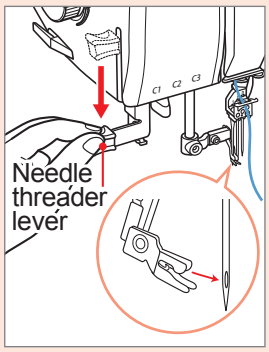


7 How to use the Needle Threader

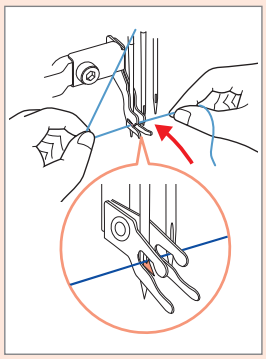
NOTE: Do not lower the needle threader until the chain looper threading lever has been moved to "Threading" and the port has been locked.



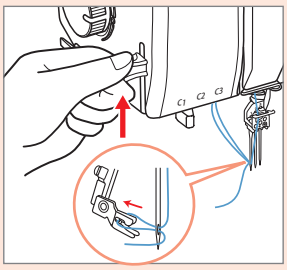
Set the needle threader selector lever to the needle position to be threaded.



Lower the needle threader lever until it clicks into place in the eye of the needle.



Hold the needle thread horizontally with both hands and position the thread into the threader hook guides and on top of the thread hook.

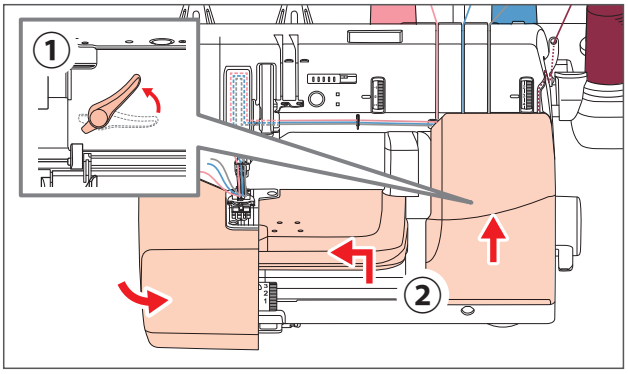


Raise the needle threader lever. The hook will pull the thread through the eye of the needle as it is released. Carefully remove the thread loop from the needle threader and place the thread on the top and to the left of the presser foot.

NOTE: For the steps on releasing the chain looper threading lever see page 52.

Chain Looper Threading Port Set Up-Threading Completed

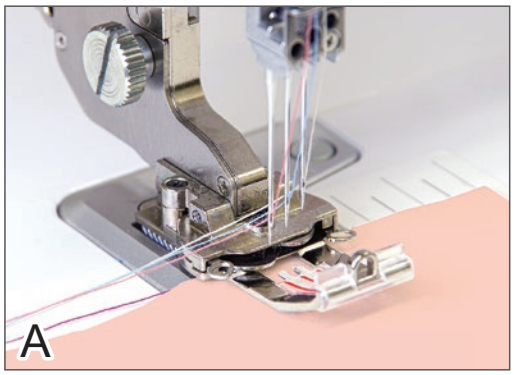
After finishing threading, ① Raise the chain looper threading lever to "Sewing".
② Close the side cover, front table and front cover accordingly.

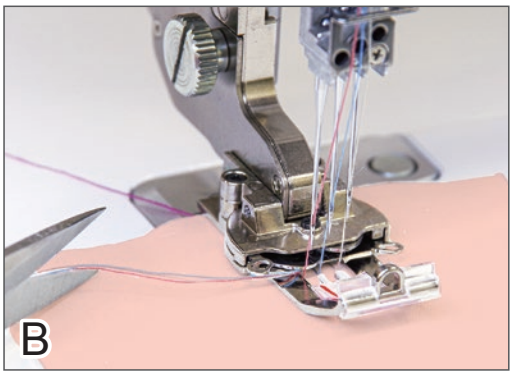


Start to Sew

With threading completed follow the steps below to begin stitching.

1. Cut all threads to 4 inches(100mm) in length past the needle eyes. The needle threads should then be placed over the top of the presser foot and to the left. At this time, initial threading of the needle and chain looper, the needle thread(s) cannot be placed under the presser foot (photo A).
2. Set the stitch length to 3 or 4mm.
3. Raise the presser foot lever. Place the fabric under the presser foot directly under the needle(s).
4. Lower the presser foot and start to sew. It is best to start at a slower speed to ensure the stitch is forming correctly.
5. After the first few stitches, stop and cut the excess needle thread(s) (photo B).





NOTE: Be careful not to push or pull the fabric. The serger will feed the fabric without assistance. If needed adjust the stitch length or foot pressure when working with lightweight or heavier fabrics.

Chaining Off the Fabric

1. At the end of the seam, change the stitch length to 4mm (photo A).
2. Guide the thread from the back for 2 inches (50mm) and trim the thread tail using the thread cutter (photo B).





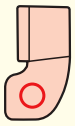
Chain / Cover Stitch

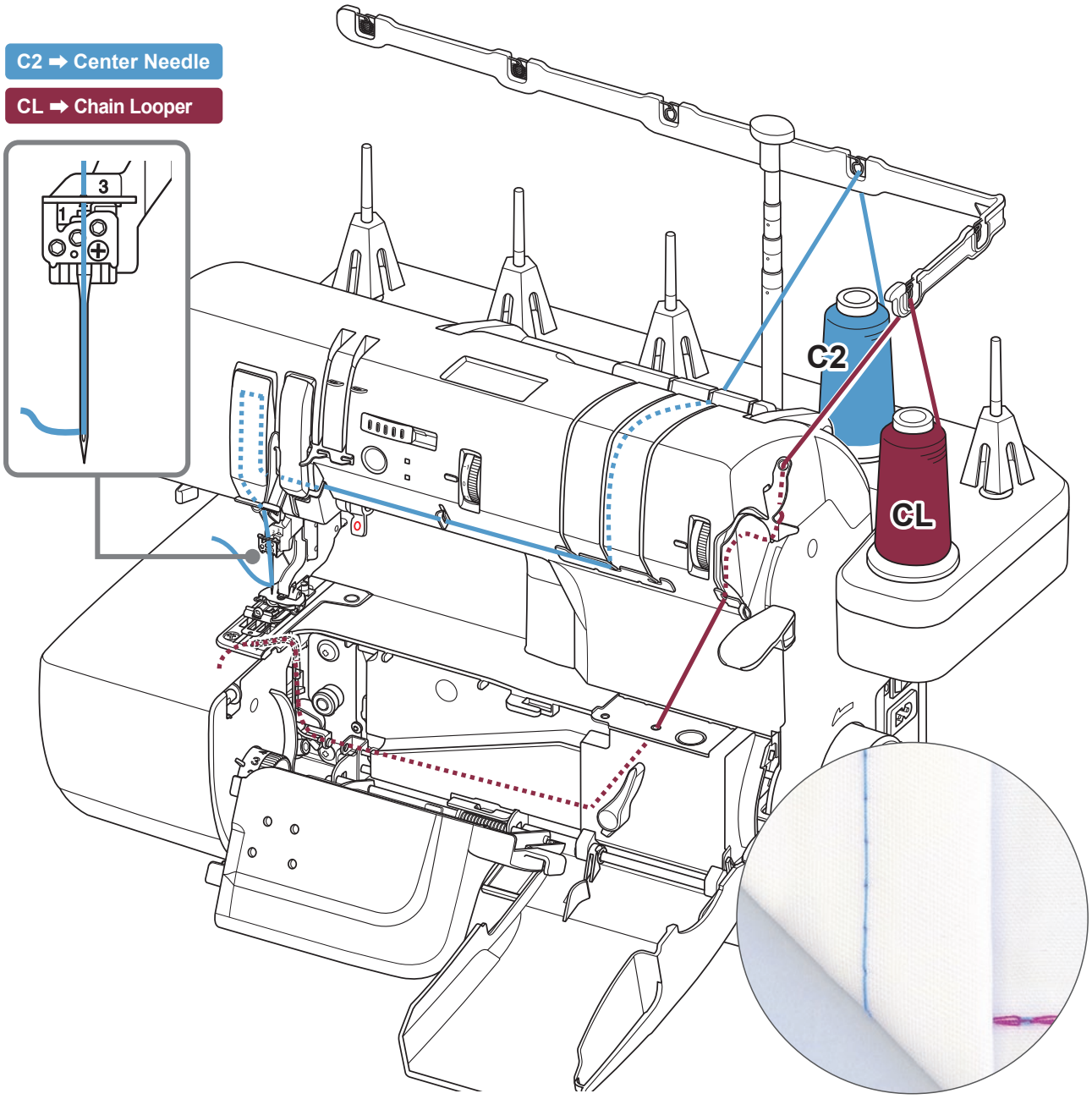
Chain Stitch

The Chain Stitch is formed using two threads: thread in either the C1, C2 or C3 position and thread in the chain looper.

A Chain Stitch resembles a straight stitch on top of the fabric, while the chain looper thread forms a chain on the underside of the fabric. Due to the stitch formation this stitch has stretchability that is not found in the conventional straight stitch from a sewing machine. Use the chain stitch to stabilize seams in woven fabrics and where needed in knit fabrics. Other applications for the chain stitch are sewing wide elastic in garments , attaching bias, and creating decorative techniques. The suggested needle position to use for best performance on the chain stitch is C2.

Instructions for Chain Looper, Needle(s), threading (See pages 49-52).

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1 or C2 or C3	**AUTO (0)**	**2-3**	**3.0 - 4.0**		**N**



Cover Stitch - Left Narrow 3mm

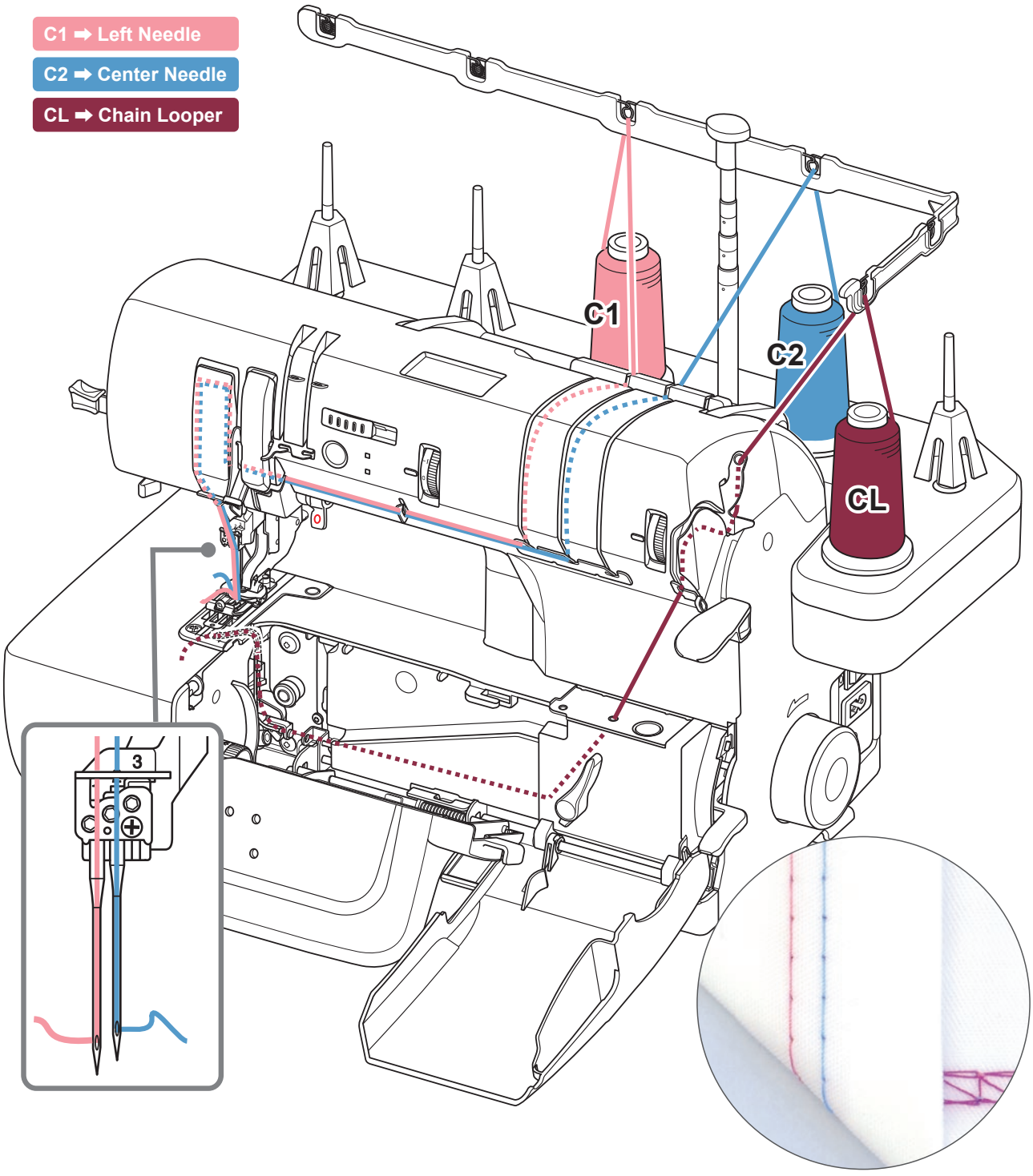
The Cover Stitch Left Narrow consists of two rows of straight stitching on the topside of the fabric with an interlooped stitch on the underside. A narrow cover stitch is the preferred stitch for hemming and topstitching fine and lightweight knits such as jersey and single knits by the garment industry.

This stitch is not limited to use only on knits but is also ideal for woven fabrics.

The Cover Stitch Left Narrow, stitch width of 3mm, is formed using the C1 and C2 needle positions and the chain looper.

Instructions for Chain Looper, Needle(s), threading (See pages 49-52).

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1 and C2	**AUTO (0)**	**2-3**	**3.0 - 4.0**		**N**



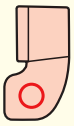
Cover Stitch - Right Narrow 3mm

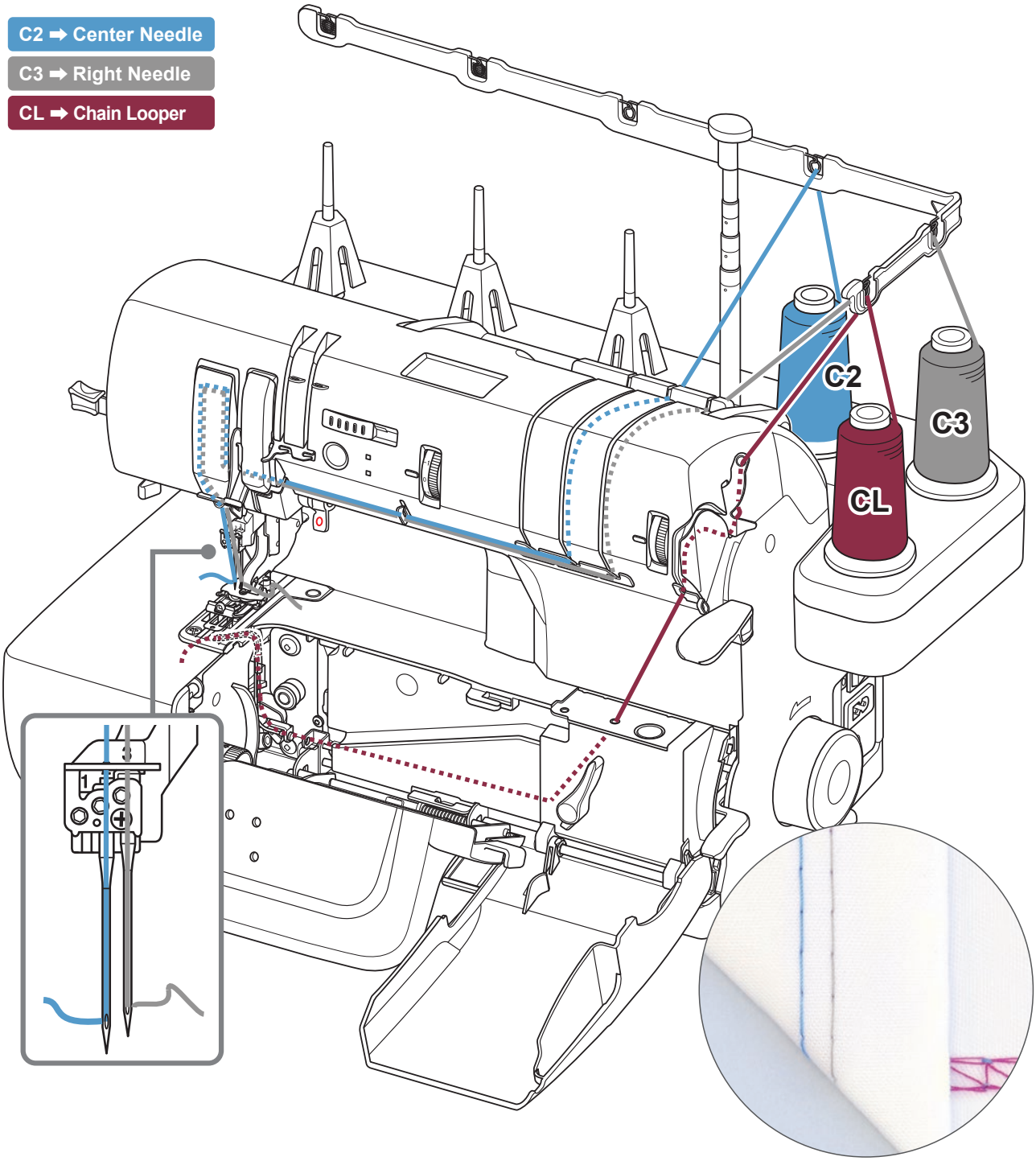
The Cover Stitch Right Narrow consists of two rows of straight stitching on the topside of the fabric with an interlooped stitch on the underside. This stitch type and width is the preferred stitch for hemming and topstitching fine and lightweight knits such as jersey and single knits by the garment industry.

However is not limited to use only on knits but is also ideal for woven fabrics.

The Cover Stitch Right Narrow stitch width of 3mm, is formed using the C2 and C3 needle positions and the chain looper.

Instructions for Chain Looper, Needle(s), threading (See pages 49-52).

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C2 and C3	**AUTO (0)**	**2-3**	**3.0 - 4.0**		**N**



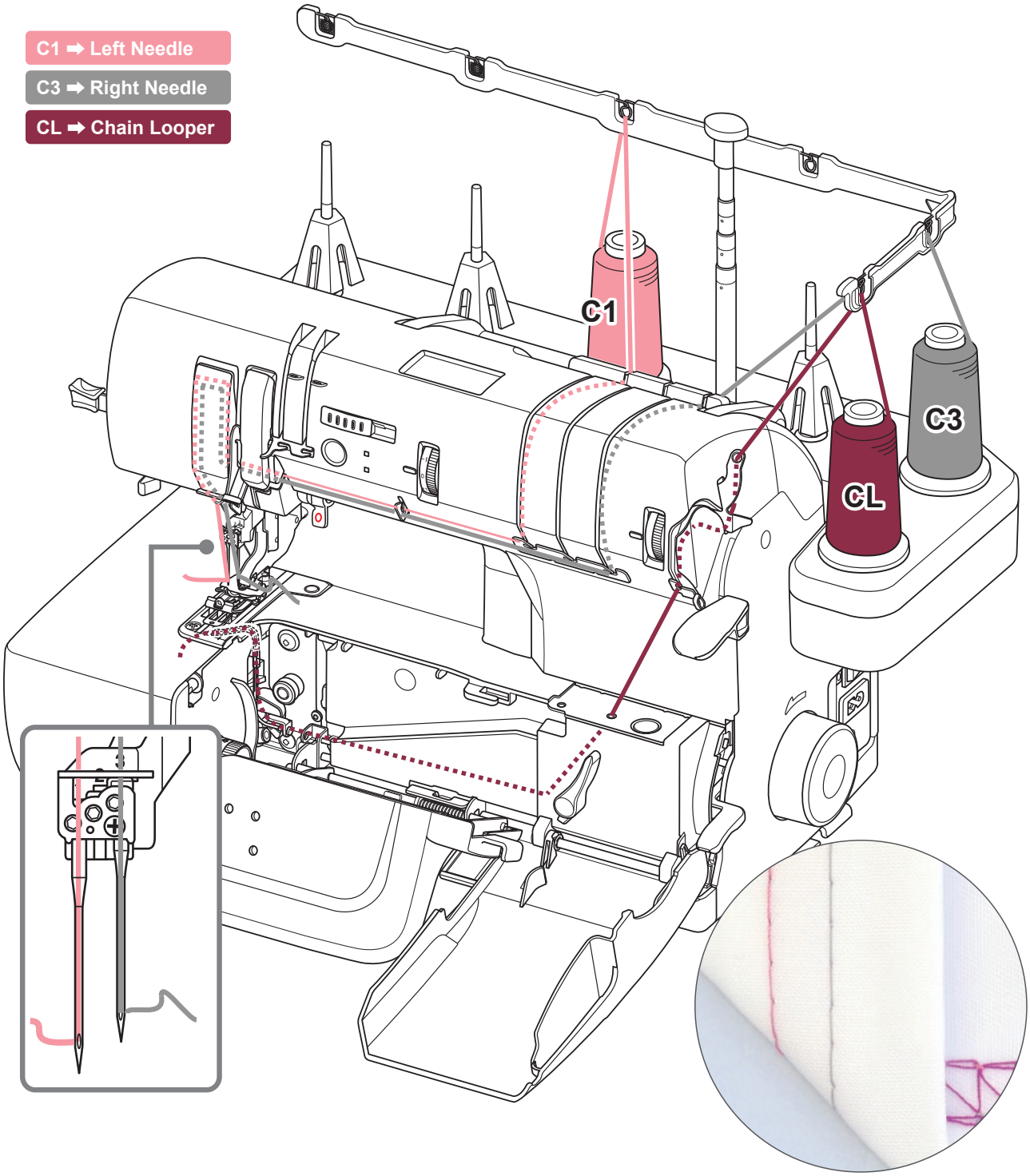
Cover Stitch - Wide 6mm

Formed from two rows of straight stitching on the topside with and interlooped stitch on the underside. The preferred stitch by the garment industry for hemming medium to heavy knits the Cover Stitch Wide can be used on a range of knits from performance to fleece. While this stitch is perfect for knit is also ideal for hemming or as a decorative accent for wovens.

The Cover Stitch Wide, stitch width 6mm, is formed using the C1 and C3 needles and the chain looper.

Instructions for Chain Looper, Needle(s), threading (See pages 49-52).

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1 and C3	**AUTO (0)**	**2-3**	**3.0 - 4.0**		**N**



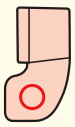
Triple Cover Stitch 6mm

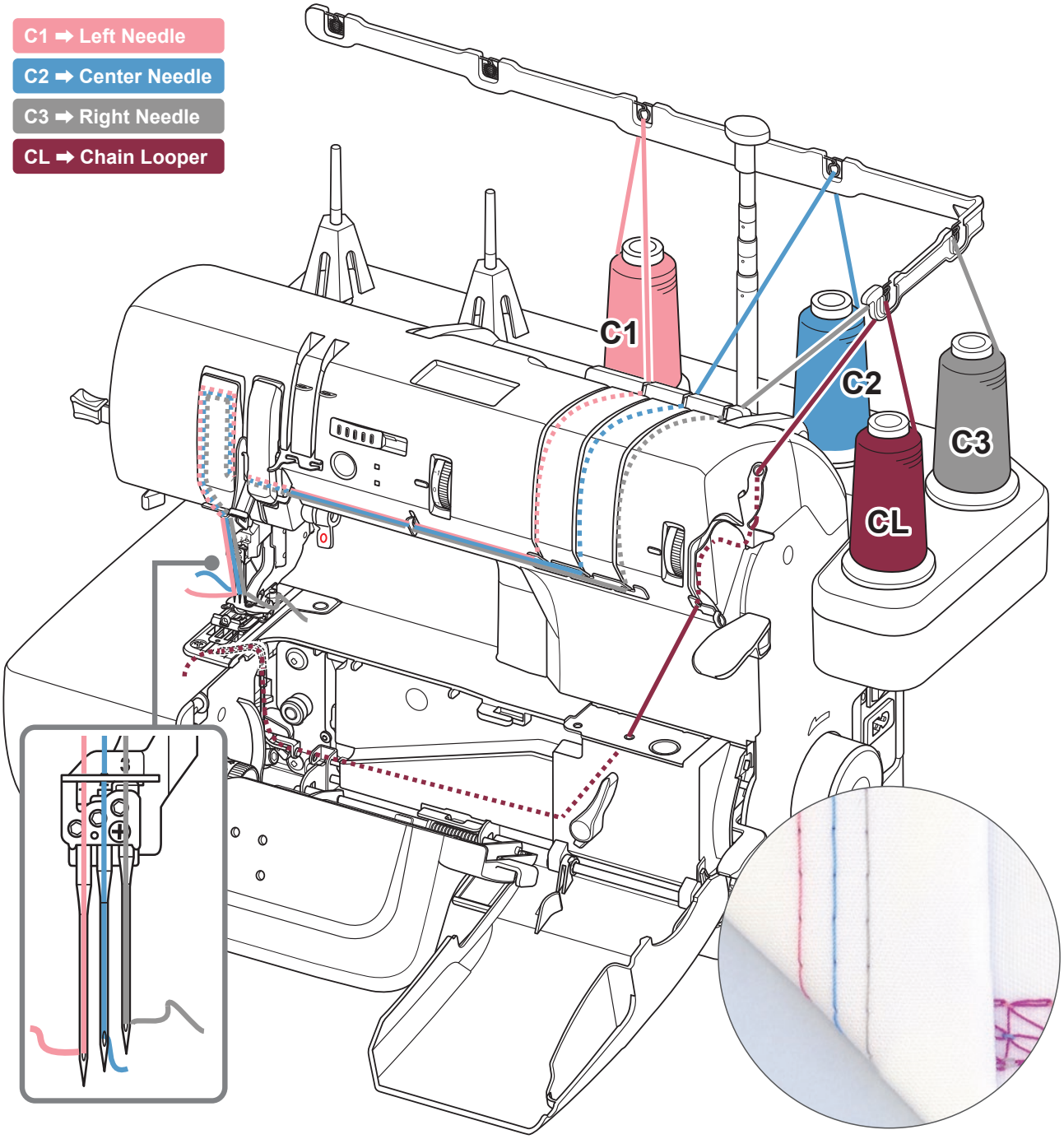
The Triple Cover Stitch is ideal for topstitching, hemming and can be used on various knit fabrics from performance to jersey knits, in addition to woven fabrics. To create a decorative accent with this stitch consider stitching upside down by placing the interlooped stitch on the topside and the needle threads on the underside.

Due to the versatility of this stitch the garment industry often uses this as a decorative accent in active-wear.

To form the Triple Cover Stitch all three "C" needle positions in addition to the chain looper are threaded. The topside of the stitch looks like three rows of straight stitches and the underside is an interlooped stitch formation.

Instructions for Chain Looper, Needle(s), threading (See pages 49-52).

Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Wiper Position Lever	Differential Feed
C1, C2 and C3	**AUTO (0)**	**2-3**	**3.0 - 4.0**		**N**



Differential Feed

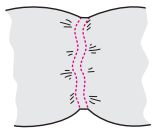
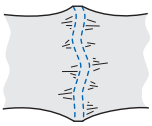
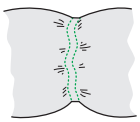
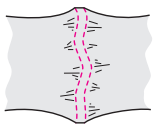
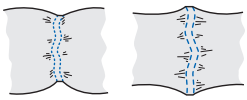
The differential feed system allows the set of feed dogs to work independently in order to ensure smooth sewing on all fabrics.

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

When the lever is set above "N", the front feed dogs will feed more fabric than the back feed dogs. This is because the front feed dogs move 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 can eliminate wavy seams in stretchy fabrics or those cut on the bias grain.

At the maximum setting of 2.0, the differential feed can gather a lightweight fabric to nearly double fullness. The front feed dogs are feeding in twice as much fabric as the back feed dogs are feeding out. To maximize the gathering effect, use the longest stitch length setting. Always test differential setting for desired results as fabric weight can affect how the fabric is gathered.

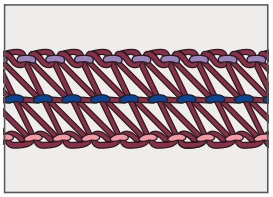
When the differential feed lever is set below "N", the front feed dogs move less distance than the back feed dogs. This adjustment stretches the fabric slightly as it is sewn. The lower settings prevent puckers on lightweight fabric and knits.

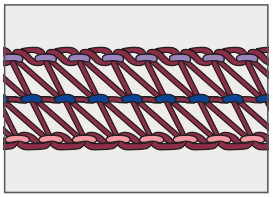
Fabric	Woven Fabrics	Knit (Stretchable Fabric)	Lining (Shrinkable Fabric)
2 1.8 1.5 1.3 **Gathers**		 Knit fabrics and Bypass parts, etc.	
N **Neutral**		 Fabric stretches.	 Fabric shrinks.
0.8 0.6 **Stretches/ Pulls**		 on knits both settings, gathering and stretching can be used on knit fabrics	 Lining, etc.

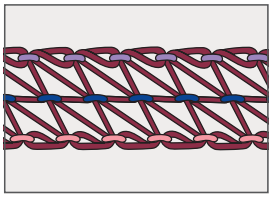
Stitch Length

The stitch length dial is conveniently located just to the left of the front cover, near the base plate (photo A). This dial shows the stitch length range from 1mm, the shortest, to 4mm, the longest. Simply turn the dial, aligning the desired setting with the indicator mark on the machine. A stitch length of 3mm(about 10 stitches per inch), is ideal for most fabrics. For seaming very lightweight fabrics a shorter stitch length may be preferred. When sewing heavier fabrics a longer stitch length may be needed.



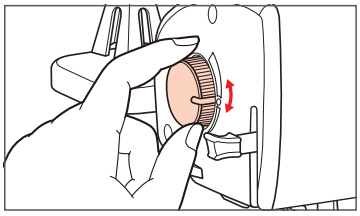

Stitch Length : Short


Stitch Length : Middle


Stitch Length : Long

Presser Foot Pressure Adjustment

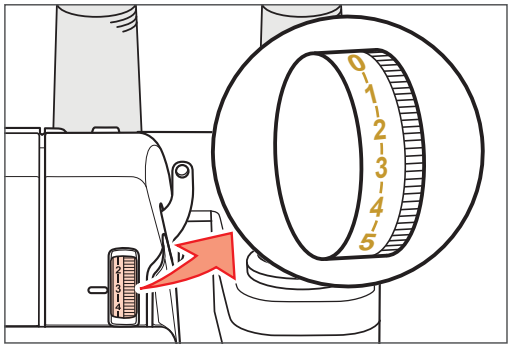
The presser foot pressure has been preset by the factory and rarely needs adjustment. The foot pressure adjusting dial is located on the left side of the machine. If needed use this dial to decrease the pressure for thick fabrics, increase the pressure for thin fabrics and adjust the pressure for specialty fabrics.



- To increase the pressure, turn presser foot pressure adjusting dial counterclockwise.
- To decrease the pressure, turn the presser foot pressure adjusting dial clockwise.

Chain Looper Tension Dial

The chain and cover stitch tension dial is located on the upper right front of the machine. The dial can be turned from 0-5 to increase or decrease the tension for the chain/cover stitch looper thread.

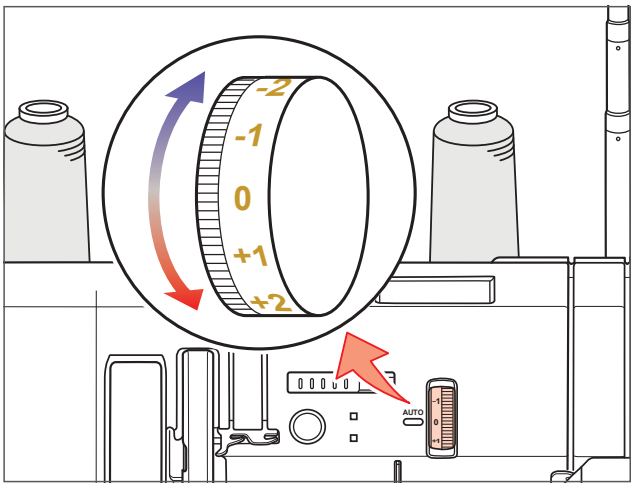


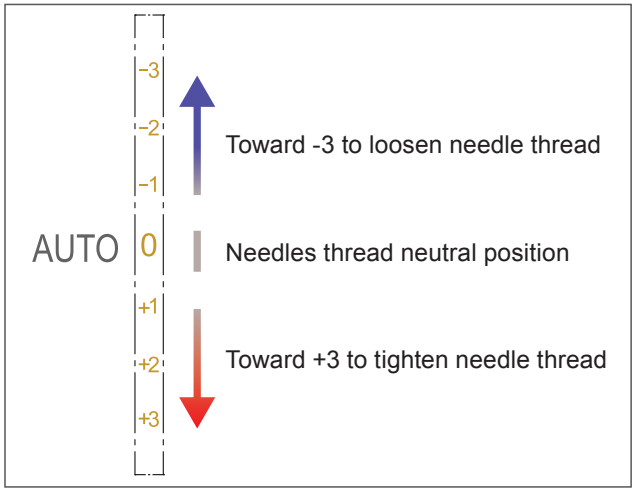
- Set the tension dial between 2 and 3 for most threads.
- Set the tension dial between 4 and 5 to tighten the looper tension.
- Set the tension dial between 0 and 1 to loosen the looper tension.

Note: Depending on the thread type or weight or the fabric type the chain looper tension may need to be adjusted. Always test settings with project fabric and thread prior to moving onto project.

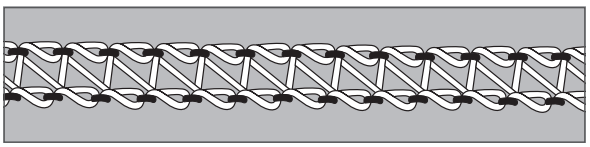
Needle Thread Fine-Tuning Dial

No adjustments are needed when sewing with most fabrics and threads on your Baby Lock Primo, but certain threads or fabrics may require minor fine-tuning of the Thread Delivery System to tailor your stitches. Increase or decrease the delivery of the needle threads with the needle thread fine-tuning dial. With your fingertips, turn the fine-tuning dial up or down to adjust the needle threads equally.

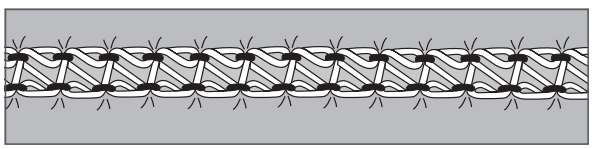




If the needle thread tension is loose, adjust fine-tuning dial for tighter needle tension.



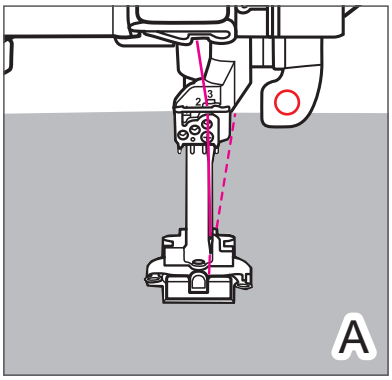
If the needle thread tension is tight, adjust fine-tuning dial for looser needle tension.

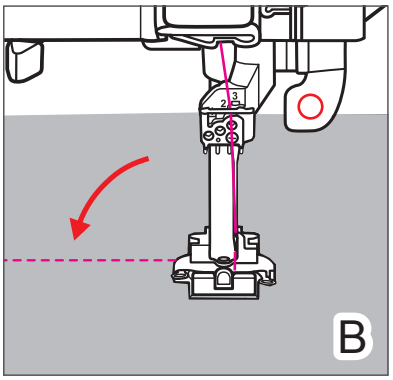


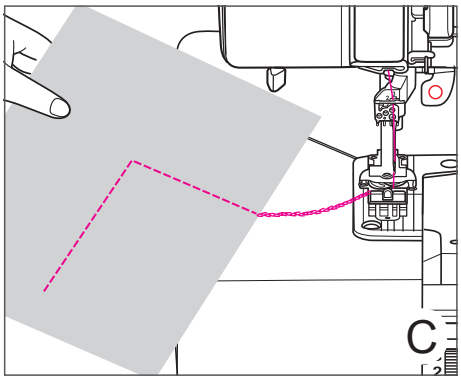
Turning Corners - Chain Stitch

1. Sew to the point in fabric where you want to turn a corner.
2. Using the needle positioning button lower the needle into the fabric. Refer to page 11 for instructions.
3. Using the handwheel (rotating it toward you) raise the needle until just the tip of the needle is in the fabric. This will leave a portion of the needle eye visible on the fabric surface. Raise the presser foot (fig. A), and slowly pivot the fabric (fig. B).
4. Lower the presser foot and continue sewing (fig. C).

NOTE: With the Combination Foot attached the wipers will need to be locked in an open position. See page 15 for information on locking the wipers.



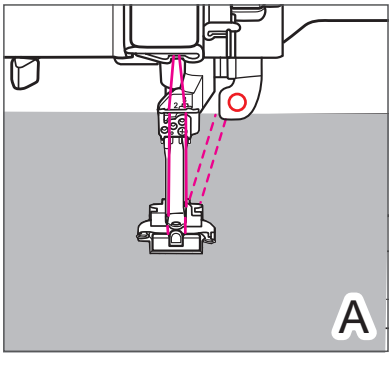


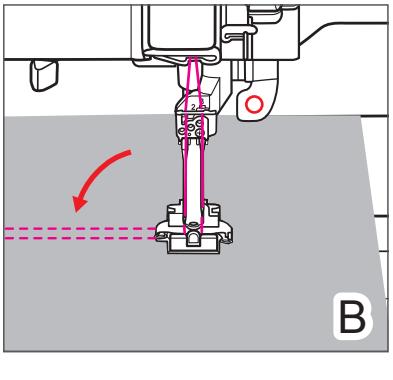


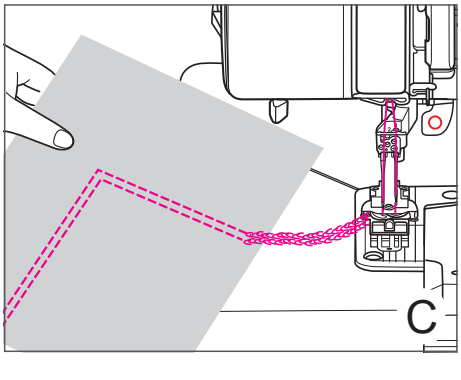
Turning Corners - Cover Stitch

1. Sew to the point in fabric where you want to turn a corner and stop.
2. Turn the handwheel toward you (counterclockwise) until the needles are down, in the fabric. The needle up/down button can also be used to lower the needles to the lowest position.
3. Turn the handwheel away from you (clockwise) until the needles are in the highest position.
4. Raise the presser foot (fig. A) and slowly (gently) pivot the fabric. Align the needles with the stitching on the fabric (fig. B) and lower the presser foot.
5. Continue to sew (fig. C).
6. To keep the stitch from unraveling at the corner(s), use a hand needle and thread to complete the corner.
7. Catch the cover stitch needle threads along with the chain looper thread (with a threaded hand needle) and bring the threads to the corner, defining the corner stitches. Once the threads are in position secure them in place.

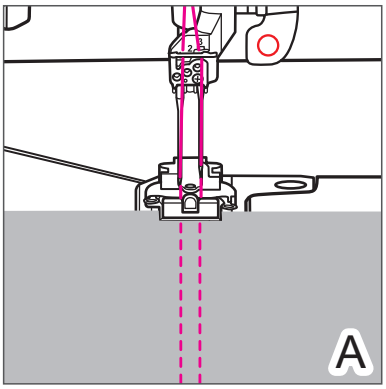
NOTE: With the Combination Foot attached the wipers will need to be locked in an open position. See page 15 for information on locking the wipers.

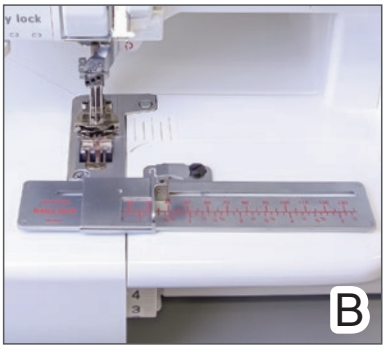






Flat Hemming- Cover Stitch

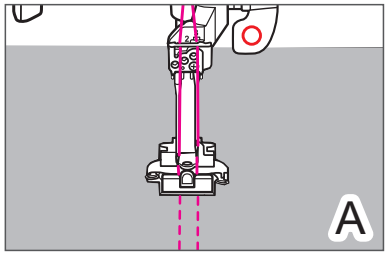


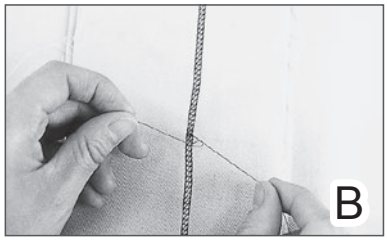


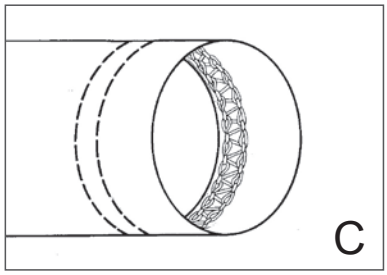
1. Stitch one seam leaving the remaining seam open. Press the stitched seam open or to one side.
2. Measure, turn up, and press hem.
3. On right side of fabric mark hem allowance with fabric marking pen.
4. Place fabric right side up under the presser foot, aligning the marked hem with the needles. Make sure both needles are positioned to cover the fabric edge on the underside. The left needle will be to the left of the fabric edge and the right needle to the right of the fabric edge. The interlooped portion of the stitch will cover the fabric edge on the underside of the hem (fig. A).
5. Sew hem.
6. To finish the hem stitch the remaining seam.

NOTE: The Creative Top Cover Stitch can also be used for the flat hemming method. With machine thread for the selected Creative Top Cover Stitch follow steps 1-6 to create and finish the hem. Optional attachments like the fabric guide and hemming attachments are designed to take the guess work out hemming when using the Cover Stitch (photo B). Contact your Baby Lock retailer or visit ***www.babylock.com*** for more information.

Hemming in the Round- Cover Stitch







1. Sew all seams.
2. Measure, turn up and press the hem.
3. Place fabric right side up under the presser foot, aligning the fabric edge with the needles. Position the fabric edge between the two needles when stitching. The left needle will be on the left side of the fabric edge and the right needle on the right side. Stitch around the hem, overlapping the stitching approximately 1/2 inch (13mm) (fig. A).
4. Raise the presser foot to release the tension on the threads. Open the front cover and at the chain looper threading port pull slack in the thread. Directly above the needles pull slack in the needle threads.
5. Carefully and firmly pull fabric and threads to the back and to the left. Cut threads close to the needles for longer thread tails (photo. B).
6. Pull the needle threads to the back and tie off and trim close to the fabric. Use seam sealant to secure the threads at the tie off point (photo. B and fig. C).

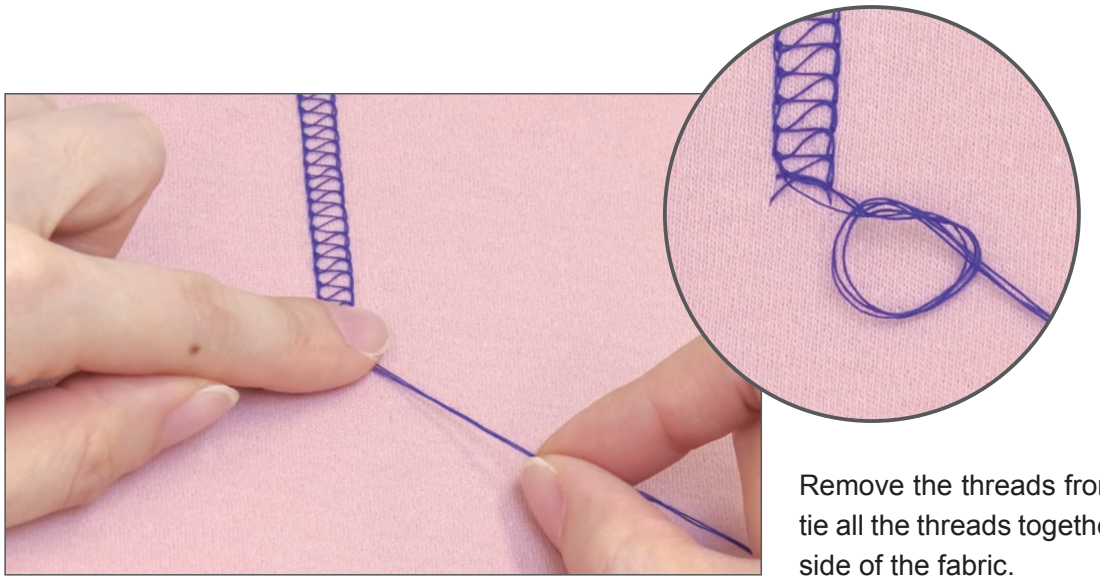
Removing and Securing Chain and Cover Stitch

The Chain and Cover Stitch can easily be removed. Trim the thread tail chain to the fabric edge at the "end" of the seam and pull on the chain looper thread on the underside. If the chain looper thread seems stuck, take a few needle stitches out on the topside and pull on the chain looper thread. Using this method for removing a stitch gives you the opportunity to "unsew" or create a temporary seam for positioning or fitting. Similar to basting on a sewing machine, but much easier and quicker to remove.

NOTE: The Creative Top Cover Stitch can be removed following the same steps. The wiper threads are kept in place by the needle threads and when the needle threads are removed the wiper threads can be removed.

To secure the chain stitch or cover stitch, at the end of the seam, bring the needle thread(s) to the back of the fabric and tug on the needle threads to secure the seam. The cover stitch needle threads may also be tied to prevent the stitch from raveling.

See photo below.



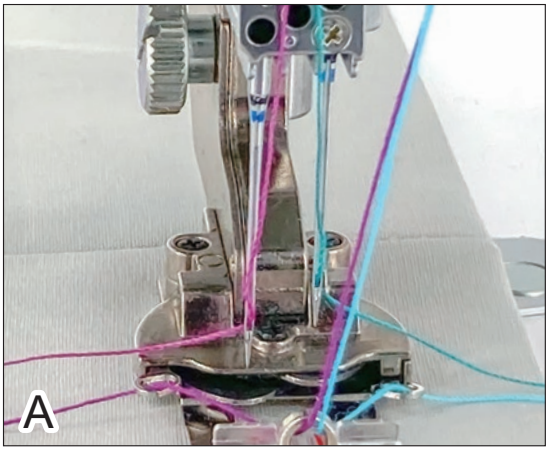
Remove the threads from the front and tie all the threads together on the wrong side of the fabric.

To secure the beginning of the cover stitch bring the thread tail to the front and position in front of the needles. The thread tail will be caught by the needle threads and the chain looper thread is caught in the stitching underneath (This technique can not be done with chain stitch).

Hemming in the Round - Creative Top Cover Stitch with Combination Foot

To stitch a hem in-the-round where stitching starts and ends in the same position with an overlap of about 1/2 inch (13mm). Follow the steps below for the triple, wide or narrow stitch.

1. With the machine threaded (needles, chain looper, and wipers), the hem marked or pressed in place, position the fabric under the presser foot (photo. A) using any of the following methods for alignment with the needles.



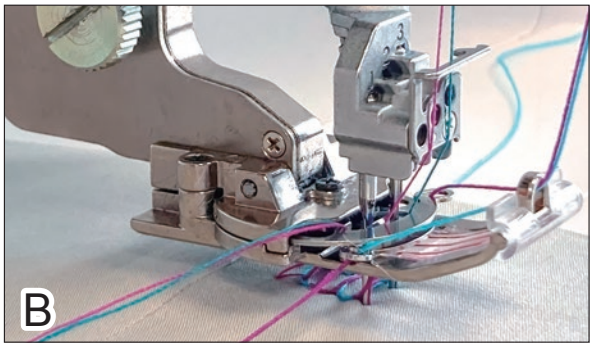
   - Place the fabric under the presser foot (right side up) aligning the fabric edge (underneath) to the right of the left needle. For example, this would be C1 for the Cover Wide, Triple or Left Narrow.

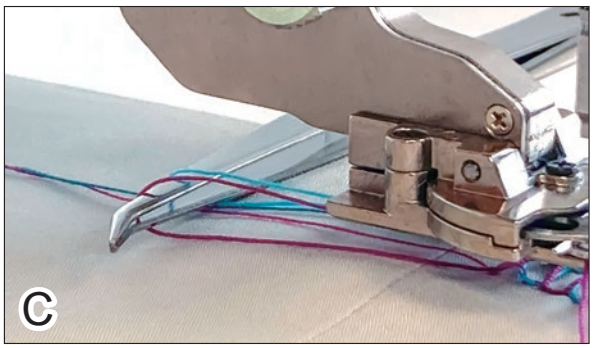
   - Align the hem edge (fabric fold) with one of the markings on the front table, making sure the fabric edge (underneath) is aligned to the right of the left needle.

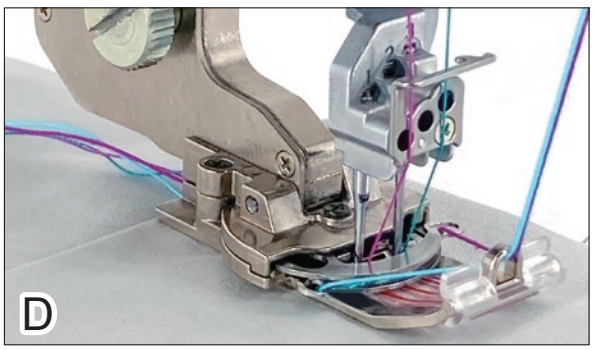
   - Attach either the Fabric Guide or Fabric and Hemming Guide (both optional accessories) to the front table. Adjust the guide for the hem depth making sure the left needle is aligned with the fabric edge (underneath). Secure the guide in place.

NOTE: When threading the needles and wipers a suggested length of 4-6 inches (100-152mm) is needed for the thread tails. Before stitching make sure that the Wiper Positioning Lever is "Up" (horizontal).

2. Lower the presser foot and place the needles in the down position using the needle positioning button. Stitch about 1 inch (25mm). With the needles in the fabric raise the presser foot.
   Place (slide) one of the following; stiletto, tweezers or allen driver, underneath the presser foot and directly behind the needles. Gently move the selected tool to the back of the presser foot. This action will pull the needle and wiper threads under the presser foot and to the back (photo. B, C, D). Another option is to cut the needle and wiper thread tails making sure they are long enough to bring to the underside (backside). See page 27, figure B.





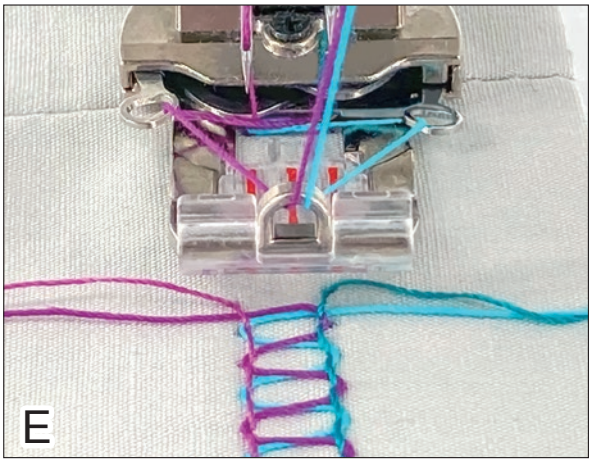


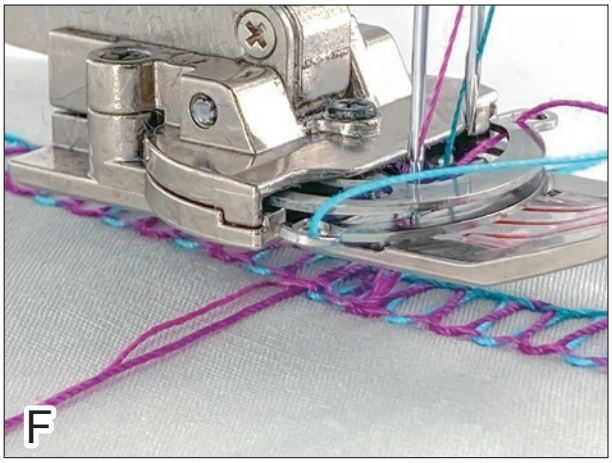
NOTE: When bringing the thread tails to the back and under the presser you may find that this has to be done in two steps, the right and then the left, to get all the thread tails in position.

Hemming in the Round - Creative Top Cover Stitch with Combination Foot (Cont.)

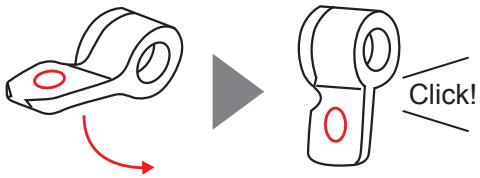
3. Stitch the length of hem. About 2 inches (50mm) from the starting point place the thread tails(from the beginning of the stitch), needle and wiper, on each side of the presser foot. The thread tails from the left needle and wiper are on the left and the thread tails from the right needle and wiper are on the right (photo. E).
   Continue stitching overlapping the starting point a 1/2 inch (13mm). If needed adjust the speed controller or use the needle up/down button to take a stitch at a time to ensure the overlap is approximately 1/2 inch (13mm) (photo. F). More than four stitches or a 1/2 inch (13mm) creates bulk at the overlap point.

NOTE: Placing the thread tails to the side prevents them from getting caught in the stitching when overlapping the stitches.

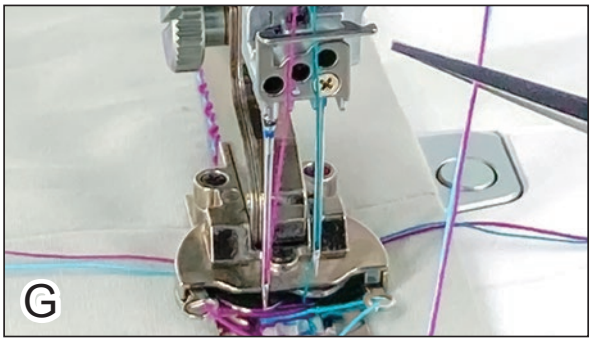


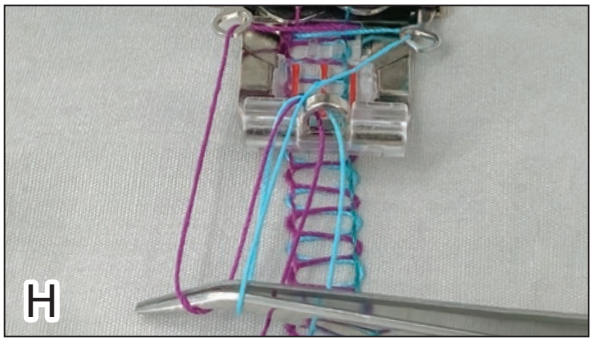


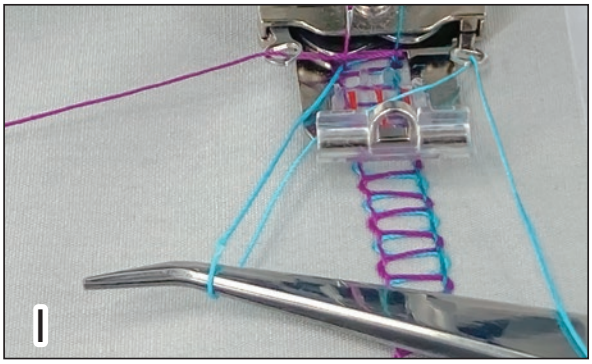
4. Place the wiper positioning lever in a "Down" position (vertical) to disengage the wipers. Continue stitching the cover stitch, about 1/2 inch (13mm).

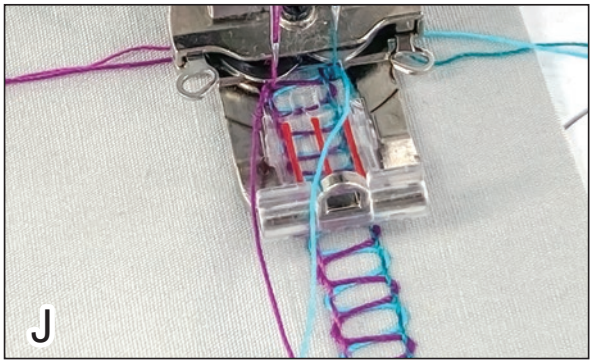


5. With sewing completed pull slack in the wiper threads and cut 4 inch (100mm) thread tails. Remove the wiper threads from the wiper guide and each of the wipers (photo. G, H, I, J).









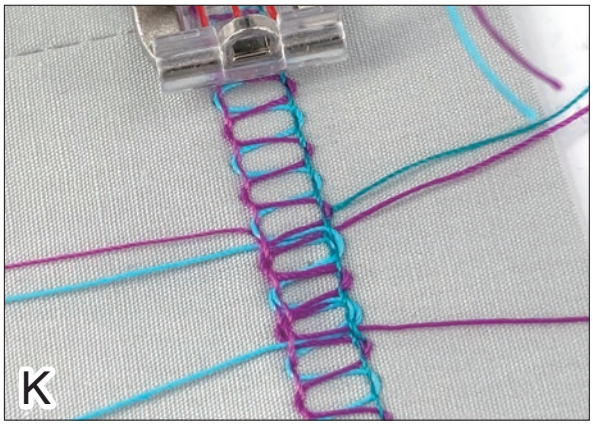
Hemming in the Round - Creative Top Cover Stitch with Combination Foot (Cont.)

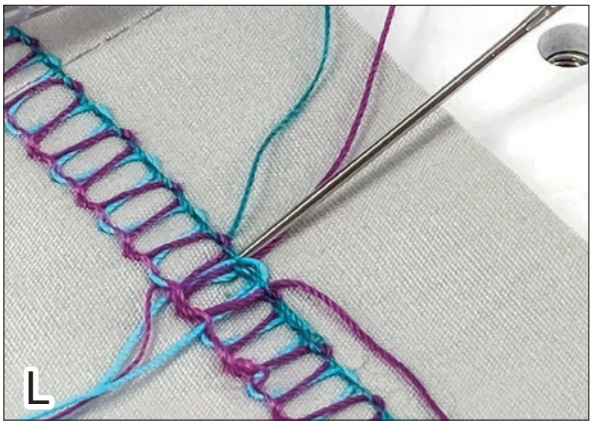
6. Raise the presser foot. Place a stiletto or the allen tool between the presser foot and the fabric, and pull the needle threads forward 4-6 inches (100-152mm). At this point the wiper threads have been cut and removed from the wiper guides.

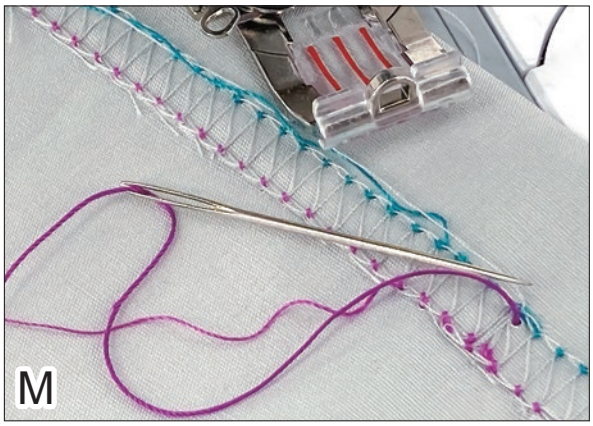
7. Slide the fabric back and to the left and cut the needle, and chain looper threads leaving thread tails long enough to bring to the underside of the fabric. If needed pull additional slack in the needle threads for longer thread tails.

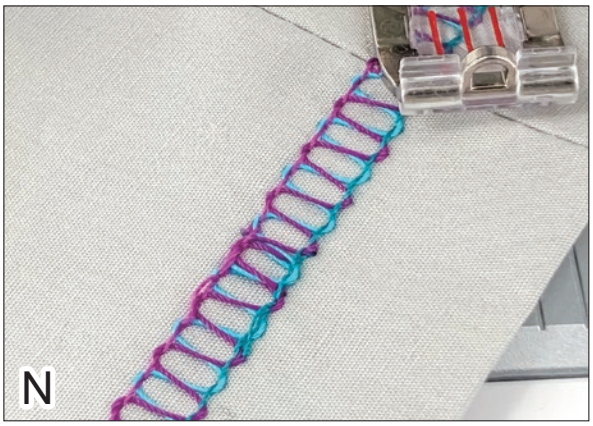
8. Bring the needle threads on the front side to the backside/underside, tying the threads together and placing the threads tails under the interlooped stitches in the back, trim thread tail at knot.

9. Using a large eyed needle (wool, chenille or tapestry) bring each wiper thread from the front to the back. Tie the thread tails together and pass the thread tail under the interlooped threads (using the same needle) about 1-2 inches (25-50mm) and trim the thread tail (photo. K, L, M, N).









Using Specialty Threads

Placing specialty threads in the needle and chain looper changes the appearance of the stitch creating unique and special effects.

Some specialty threads work well through the needle and chain looper, while others are too heavy to be threaded through the needle and are only for chain looper use.

Use the "Specialty Thread Guide Chart" (see page 73) as a guideline when using specialty threads. Keep in mind that quality and type of thread will vary and that stitch length and tension will vary when threading the chain looper, use either the "Threading Cradle (see page 67), "Bypass the Threading Port" (see page 68) and "Looper Threading Tool (see page 67).

Lightweight Threads
Lightweight Threads such as rayon machine-embroidery thread, lingerie thread and other lightweight threads can easily be threaded in the chain looper and needles. Very fine threads may need threading assistance from a "Threading Cradle" (see page 67) or "Looper Threading Tool" (see page 67).

Medium Weight Threads
Medium Weight Threads such as topstitching thread, 12wt. rayon or cotton, and texturized nylon or polyester thread(stretch threads), may require using an alternative method to thread the chain looper. Use either the "Threading Cradle" (see page 67) or "Looper Threading Tool" (see page 67), alternative threading methods if the selected thread does not thread through the chain looper port.

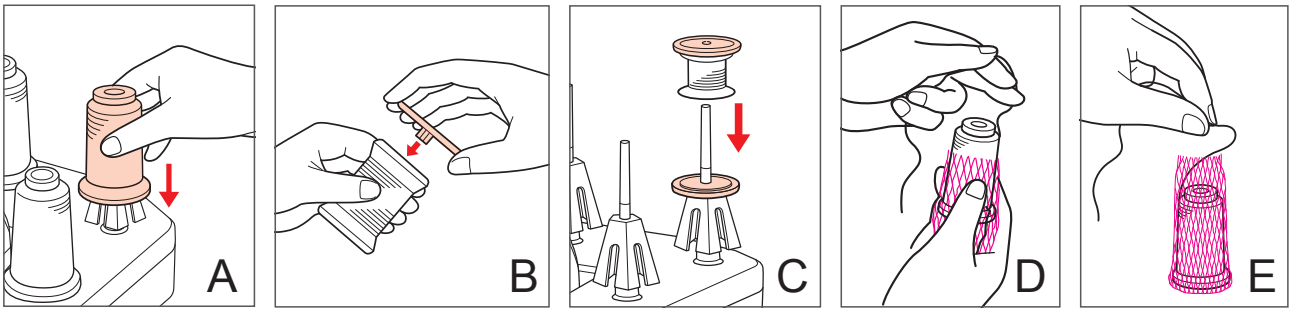
Heavyweight Threads
Heavyweight Threads such as 4wt., 6wt., or 8wt., cotton, poly or rayon thread may need extra attention when threading the chain looper. Directions for Bypassing the Threading Port (see page 68) may need to be used for heavyweight thread. Please follow the Specialty Thread Guide Chart (see page 73) for special instructions concerning the use of various threads.

Threading Preparation Spool Pin Disk

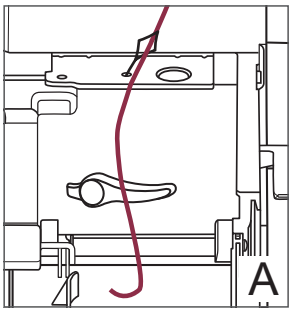
When using threads on cones or king spools, place the cone or spool securely over the cone holders on the spool pins. To avoid bending the thread stand, you may need to place one hand under the stand while positioning the cone. The cone holders prevent the cone or spool from spinning, enabling the thread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

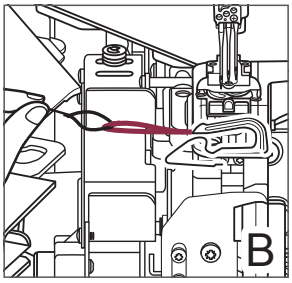
If the spool has a notch place it notch side down, insert a spool cap into the top of the spool (fig. B). Because threads feed from the top to the antenna, and standard spool threads can snag on the rough edges or as the thread decreases on the spool the thread may jump while stitching. The spool caps furnished with your serger will provide a smooth surface and movement for the thread to reel off the spools freely.

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, place the spool cap on the spool pin if needed or use a thread net (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 may be necessary with specific thread like 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).



Looper Threading Tool



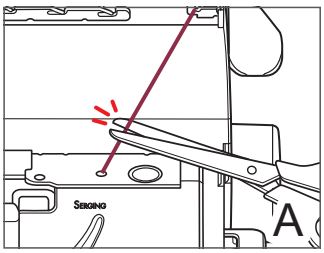


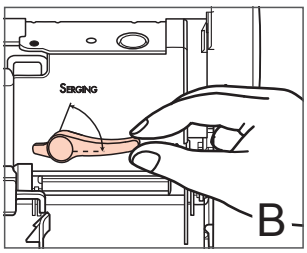
NOTE: Make sure the looper tube is clear of thread before re-threading.

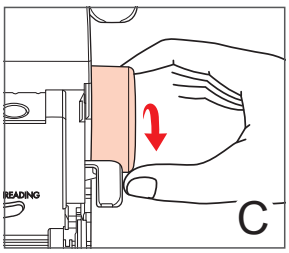
1. Open the front cover and raise the presser foot.
2. At the threading port, cut the chain looper thread. Remove chain looper thread from under the presser foot and the upper thread guides. Replace cone of thread with specialty thread.
3. Place the machine in threading position to thread the chain looper.
4. Thread specialty thread into the upper thread guides and tension disk, leaving a 22 inch (558mm) 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. Open the side cover to see the threading tool come out of the eye of the chain looper.
6. Insert the specialty thread tail into the eye of the looper threading tool (fig. A). Pull the straight end of the looper threading tool through the looper eye bringing the specialty thread with it (fig. B).
7. Cut chain looper thread to 4 inches (100mm) and place in tray. Close the side.

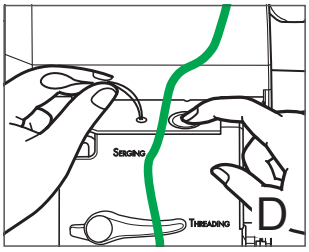
Thread Cradle

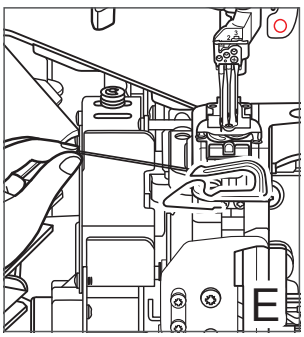
1. Open the front cover and front table and raise the presser foot.
2. At the threading port, cut the chain looper thread (fig. A). Remove thread from under the presser foot and the upper thread guides. Replace thread cone with specialty thread. If the thread being used is not on a standard cone make sure to use the proper support, a sponge disk or large spool pin disk, when placing the thread on the spool pin.
3. Place the machine in threading position to thread the chain looper (fig. B and C).
4. Thread specialty thread into the upper thread guides and tension disk, leaving a 22 inch (558mm) tail above the threading port (fig. D).
5. Cut a 24 inch (600mm) length of overlock thread and fold in half to form a thread cradle. Insert the loose ends of the thread cradle into the port, about 1 inch (25mm).
6. Holding the cradle loop with one hand, press the push-to-thread button (fig. D) until the thread ends come out the looper eye (fig. E). Open the side cover to make sure the chain looper thread is in the tray.
7. Insert the specialty thread tail into the cradle loop (fig. F), and pull the overlock thread until the specialty thread comes through the looper eye (fig. G). Discard or set the thread cradle aside.
8. Cut chain looper thread 4 inches (100mm) and place in tray. Close side cover of machine (fig. H).

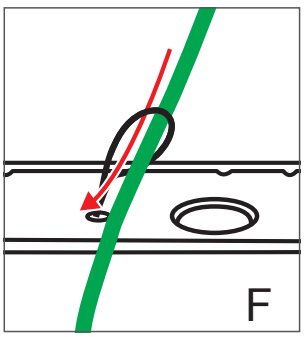


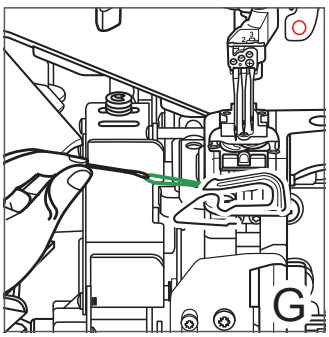


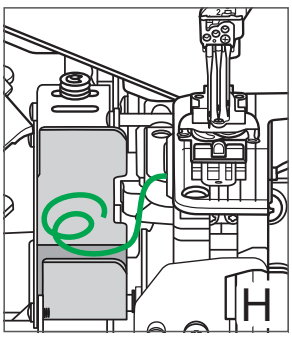












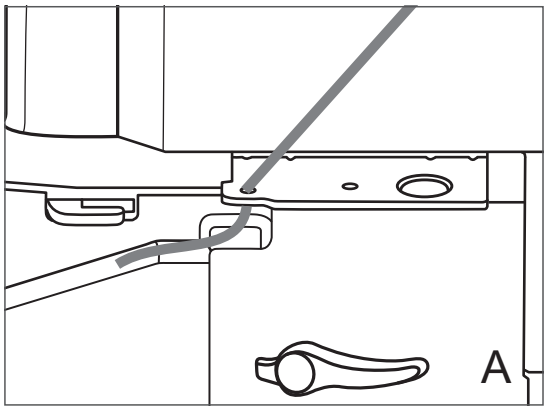
Bypassing the Threading Port

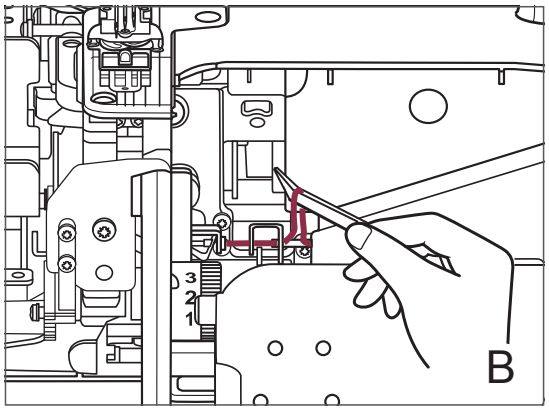
Specific threads, heavyweight or specialty, may require that the thread bypass the chain looper thread port which will loosen the pull on the thread. Start with the machine threaded with overlock thread.

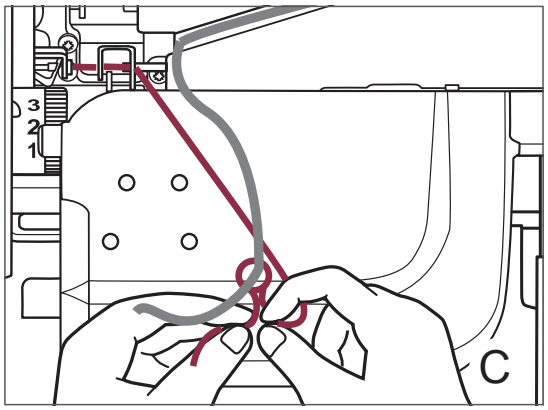
1. Open the front cover and front table and raise the presser foot.
2. Thread the chain looper with overlock thread and just above the threading port, clip the chain looper thread. Pull the thread out of the upper guides leaving the overlock thread in the chain looper and chain looper port.
3. Place the specialty thread on the spool pin. If the thread being used is not on a standard cone make sure to use the correct support, a sponge disk or large spool pin disk, when placing the thread on the spool pin. Thread the upper guides and tension disk. Bring the thread end through the hole just left of the threading port. Leave approximately 12 inches (305mm) of thread to be threaded through the chain looper (fig. A).
4. With threading lever in serging position, use the tweezers to pull the existing looper thread out of tube extending from the threading mechanism (fig. B). Leave the thread in the looper.
5. Tie the specialty thread and overlock thread together using an overhand knot (fig. C). Pull on the overlock thread from the looper eye until the specialty thread comes through the looper eye (fig. D).
6. Trim the specialty thread to 4 inches (100mm), place in chain looper tray and close the side cover.

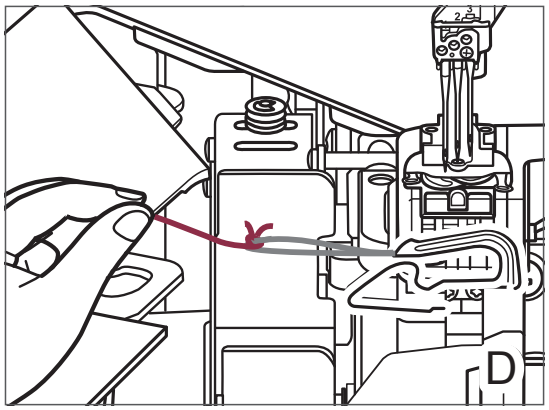
If the thread is heavy and the overhand knot (step #5) is too large for the looper tube, follow directions #1 thru #6 on page 67 to make a thread cradle. To complete threading follow the steps below.

1. Engage the threading lever to 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 (fig. B).
3. Insert 2 inches (50mm) of the 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 chain looper eye (fig. D).
4. Trim the specialty thread to 4 inches (100mm), place in chain looper tray and close the side cover.









Chain Looper for Ribbon Thread

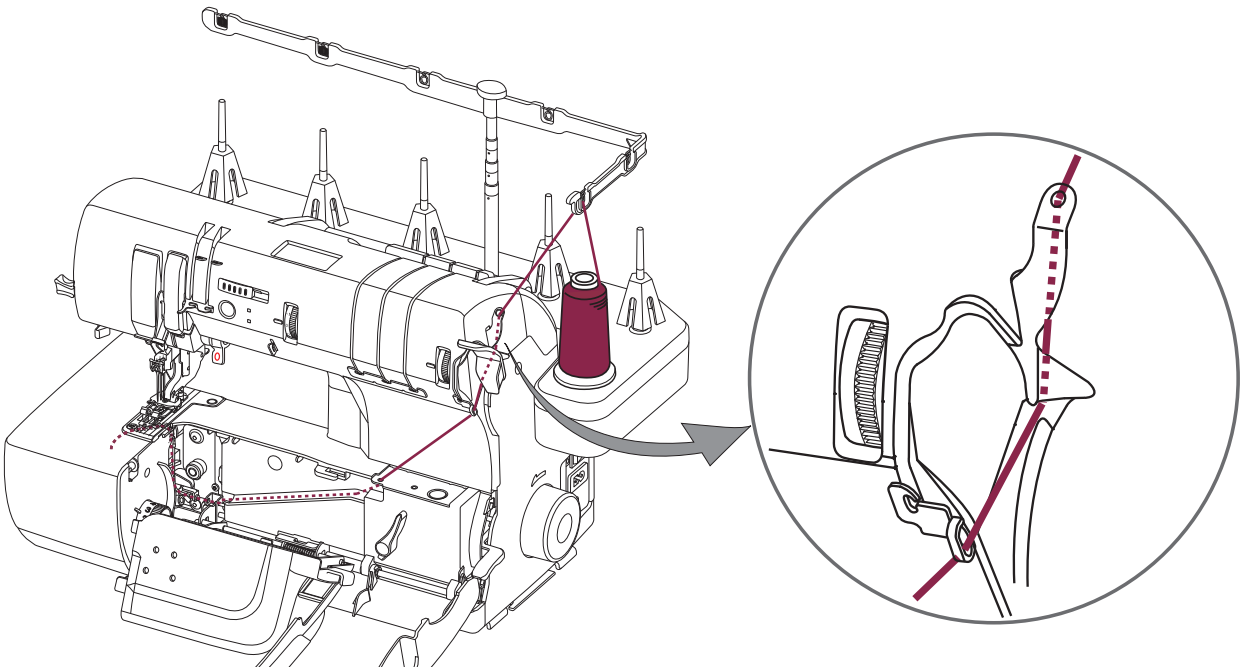
Ribbon thread and specialty threads (elastic or heavyweight), can be used in the chain looper. These thread types and specialty techniques may require the thread to be placed in the bypass threading port to loosen the pull on the thread while stitching. Start with the machine threaded with overlock thread in the chain looper.

1. Open the front cover and front table and raise the presser foot.
2. Just above the threading port, clip the chain looper thread. Pull the thread out of the upper guides and remove the thread cone.
3. Place the specialty thread on the spool pin. If the thread being used is not on a standard cone make sure to use the correct support, a sponge disk or large spool pin disk, when placing the thread on the spool pin. Thread it into the upper guides for the chain looper. For ribbon thread, elastic thread or heavyweight(#3) thread, DO NOT PLACE thread in the tension disks. Instead place the thread in the guide to the right of the chain looper tension dial, the small clip guide, (see illustration below).
4. Bring the ribbon or specialty thread through the bypass thread guide located to left of the looper threading port. Leave approximately 12 inches (305mm) of thread, this will be used to thread the chain looper (see below).
5. With machine threading lever in the serging position, use tweezers to pull the existing looper thread out of the tube extending from the threading mechanism (see page 68 fig. B). Leave the thread in the looper.
6. Tie the ribbon or specialty thread and overlock thread together using an overhand knot (see page 68 fig. C). Pull the overlock thread (gently) thread from the looper eye until the ribbon or specialty thread comes through the looper eye (see page 68 fig. D).
7. Trim the specialty thread (or ribbon thread) to 4 inches (100mm), lay the thread end in the chain looper tray, and close the side cover.

NOTE: If the thread is heavy and the overhand knot (step #6) is too large for the looper tube, follow directions #1 thru #6 on page 67 for making a thread cradle. Engage the threading lever to the serging position. 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. Insert 2 inches (50mm) of the decorative thread into the cradle loop, and pull on the loose ends of the thread cradle from the looper eye until the specialty thread comes through the chain looper eye.
Trim the specialty thread to 4 inches (100mm) and lay in the chain looper tray and close the side cover.

CHAIN STITCH

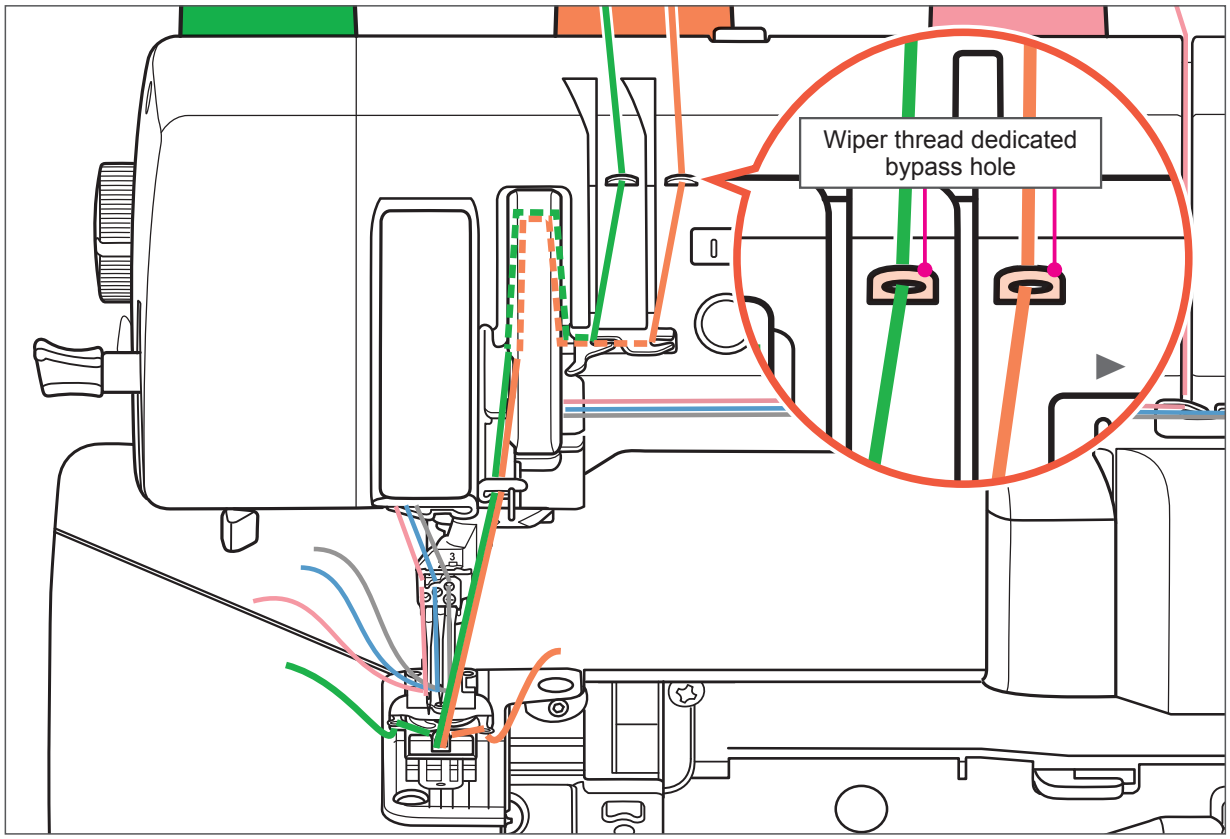
Needle Position	Needle Tension	Chain Looper Tension	Stitch Length	Differential Feed
C1, C2 or C3	**AUTO (0)**	**–**	**3.0 - 4.0**	**N**



Bypass Threading for the Creative Top Cover Stitch

When working with heavier threads or certain techniques you may find extra pull on the threads. Placing the threads in the wiper bypass positions will relieve pull or drag on these threads.

Guide the thread directly from the thread stand antenna to the wiper thread bypass guides. Once in the bypass position(s) follow the threading path to the wiper(s), see pages 25 and 26.



Specialty Creative Top Cover Thread Guide Chart

Creative Top Cover Chain Stitch / Creative Top Cover Stitches	Wiper Position	Lightweight thread (overlock/40wt., 50wt., 60wt. cotton, polyester or rayon)	Medium weight thread (texturized nylon/polyester, 12wt. cotton, rayon, wool, wool blend)
Creative Top Cover Chain Stitch			
C1, C2 or C3 needle position and chain looper	Left	40wt., 50wt, 60wt. (cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
overlock thread used in needle(s) and chain looper	Right	40wt., 50wt, 60wt. (cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
	Left & Right	40wt., 50wt, 60wt. (cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
Comments			
Creative Top Cover Stitch - Wide			
C1 & C3 needles and chain looper	Left	40wt., 50wt, 60wt. (cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
overlock thread used in needle(s) and chain looper	Right	40wt., 50wt, 60wt. (cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
	Left & Right	40wt., 50wt, 60wt. (cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
Comments			
Creative Top Cover Stitch - Narrow			
C1 & C2 or C2 & C3 needles and chain looper	Left	40wt., 50wt, 60wt. (cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
overlock thread used in needle(s) and chain looper	Right	40wt., 50wt, 60wt. (cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
	Left & Right	40wt., 50wt, 60wt. (cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
Comments			when using 12wt. cotton, rayon, wool, or wool blend thread in both wipers make sure the thread does not prohibit the wipers from moving. Consider adjusting the stitch length to 3.5-4.0.
Creative Top Cover Triple Stitch			
C1, C2 and C3 needle positions and chain looper	Left	40wt., 50wt, 60wt.cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
overlock thread used in needle(s) and chain looper	Right	40wt., 50wt, 60wt.cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
	Left & Right	40wt., 50wt, 60wt.cotton, polyester or rayon)	texturized nylon/polyester, 12wt. (cotton, rayon, wool, or wool blend)
Comments			when using 12wt. cotton, rayon, wool, or wool blend thread in both wipers make sure the thread does not prohibit the wipers from moving. Consider adjusting the stitch length to 3.5-4.0.

Specialty Creative Top Cover Thread Guide Chart (Cont.)

	Heavyweight threads (8wt., 6wt., 5wt., 4wt. cotton, rayon, wool, or wool blend)	Specialty - 3wt., (cotton thread), #1, #2 #3 or #4wt. yarn (polyester, acrylic, wool, or blended yarns)
	8wt., 6wt., 5wt., 4wt. (cotton, rayon, wool, or wool blend)	3wt.(cotton thread), #1, #2, #3 or #4wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	8wt., 6wt., 5wt., 4wt. (cotton, rayon, wool, or wool blend)	3wt.(cotton thread) #1, #2, #3 or #4wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	8wt., 6wt., 5wt., 4wt. (cotton, rayon, wool, or wool blend)	#1, #2 or #3wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	when using heavyweight thread make sure that the thread does not prohibit the wipers from moving. Consider adjusting the stitch length to 3.5-4.0.	when using heavyweight and yarn thread make sure that the thread does not prohibit the wipers from moving. Consider adjusting the stitch length to 3.5-4.0.
	8wt., 6wt., 5wt., 4wt. (cotton, rayon, wool, or wool blend)	3wt.(cotton thread) or #1, #2, #3 or #4wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	8wt., 6wt., 5wt., 4wt. (cotton, rayon, wool, or wool blend)	3wt.(cotton thread) or #1, #2, #3 or #4wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	8wt., 6wt., 5wt., 4wt. (cotton, rayon, wool, or wool blend)	#1, #2, or #3 wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	when using heavyweight thread make sure that the thread does not prohibit the wipers from moving. Consider adjusting the stitch length to 3.5-4.0.	when using heavyweight thread and yarn make sure that the thread or yarn does not prohibit the wipers from moving. Consider adjusting the stitch length to 3.5-4.0.
	8wt., 6wt., 5wt., 4wt. (cotton, rayon, wool, or wool blend)	3wt. (cotton thread) or #1, #2 or #3 wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	8wt., 6wt., 5wt., 4wt. (cotton, rayon, wool, or wool blend)	3wt.(cotton thread) or #1, #2 or #3 wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	8wt., 6wt., 5wt. (cotton, rayon, wool, or wool blend)	#1, #2 or #3 wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	when using heavyweight thread make sure that the thread does not prohibit the wipers from moving. Consider adjusting the stitch length to 3.5-4.0.	when using heavyweight thread and yarn make sure that the thread or yarn does not prohibit the wipers from moving. Consider adjusting the stitch length to 3.5-4.0.
	8wt., 6wt., 5wt., 4wt. (cotton, rayon, wool, or wool blend)	3wt.(cotton thread) or #1, #2, #3, or #4wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	8wt., 6wt., 5wt., 4wt. (cotton, rayon, wool, or wool blend)	3wt.(cotton thread) or #1, #2, #3 or #4wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	8wt., 6wt., 5wt. (cotton, rayon, wool, or wool blend)	#1, #2 or #3wt. yarn (polyester, acrylic, wool, or blends of these fibers)
	when using heavyweight thread make sure that the thread does not prohibit the wipers from moving. Consider adjusting the stitch length to 3.5-4.0.	when using heavyweight thread and yarn make sure that the thread or yarn does not prohibit the wipers from moving. Consider adjusting the stitch length to 3.5-4.0.

Specialty Thread Guide Chart

CHAIN/COVER STITCHES	Topstitching Buttonhole Twist (Medium Weight)	Wooly Nylon (Medium Weight)	Metallic Threads (Lightweight)
2-Thread Chain Stitch C1, C2, or C3 Needle Position	In chain looper only	In chain looper only	In needles only
3-Thread Cover Stitch Left Narrow Right Narrow Wide	In chain looper only	In chain looper only	In needles only
4-Thread Triple Cover Stitch	In chain looper only	In chain looper only	In needles only
Comments :	Not recommended for needles. Use in looper only.	Not recommended for needles.	Sew at a slower speed when sewing with metallic threads.
CHAIN/COVER STITCHES	**Clear Nylon Filament (Lightweight)**	**Lingerie Thread, Rayon or Polyester Machine-embroidery Thread (Lightweight)**	**Decorative Thread: Décor, Candlelight, Pearl Crown Rayon (Heavyweight)**
2-Thread Chain Stitch C1, C2, or C3 Needle position	Use in needle and chain looper	Use in needle and chain looper	Use in chain looper only
3-Thread Cover Stitch Left Narrow Right Narrow Wide	Use in needle and chain looper	Lingerie thread: Use in needles and chain looper. Machine embroidery thread: Use in needles and chain looper.	Use in chain looper only
4-Thread Triple Cover Stitch	Use in needle and chain looper	Lingerie thread: Use in needles and chain looper. Machine embroidery thread: Use in needles and chain looper.	Use in chain looper only
Comments:	Make sure to use soft, pliable monofilament thread. Sew at a slower speed when sewing with monofilament thread.	Use thread nets or sponge disks to keep thread from spilling off spool. Sew at a slower speed when sewing with decorative thread.	Not recommended for needles

NOTE: For a thread type, weight, or fiber content that is not listed in either the Creative Top Cover Stitch Chart or Chain and Cover Stitches Chart we suggest testing the thread. Thread or yarn selected for the wiper(s) must be able to pass through the thread guides on the wiper(s) and not prohibit the movement of the wipers. The selected stitch length plays important part in the look of the stitch and applying the stitch to the project fabric. When using heavier or specialty threads, as suggested, adjust the stitch length to a longer length.

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 the side cover and front covers closed and secure?
6. Is the presser foot down?

Thread Breaks:

1. Is the machine threaded correctly? Check each thread path carefully.
2. Is the correct needle inserted for the particular stitch - C1, C2, or C3?
3. Is the needle inserted correctly?
4. Is the needle bent, worn or old?
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 ELx705CF system?
9. Are the needle thread path and wiper thread path correct?

Chain or Cover Stitch:

1. Are the tensions too tight on the chain looper?
2. Is the stitch length too short?
3. Did you start the first stitch in fabric?

Combination Foot:

1. Is the combination foot installed correctly?
2. Is the Wiper Positioning Lever in the correct position?

Wipers not Working:

1. Is the combination foot installed correctly?
2. Is the Wiper positioning lever in the correct position?
3. Are the needle thread path and wiper thread path correct?
4. Is the thread too thick for the wipers?
5. Are the wiper threads in front of the needles for initial threading and stitching?

Skipped Stitches:

1. Is the needle bent or worn?
2. Is the needle inserted correctly?
3. Is the machine 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?

Troubleshooting (Cont.)

Fabric will not Feed in Machine:

1. Is the machine engaged in serging position?
2. Is the presser foot down?
3. Are the presser foot and feed dogs free of lint?
4. Is the presser foot pressure right for the fabric?
5. Is the stitch length set properly?
6. Is the needle plate secure on the machine?

Stitch Unbalanced:

1. Is the machine threaded correctly?
2. Is the proper presser foot on the machine?
3. Is the correct needle inserted and threaded?
4. Is the chain looper thread in the tension?
5. Are the needle threads set in the threading paths correctly?
6. Is the tension dial set correctly for the chain looper?
7. Is the needle thread fine-tuning dial set correctly?
8. Are the needle thread path and wiper thread path correct?
9. Are you passing a thicker thread through the wipers?

Needle Threading Difficulties:

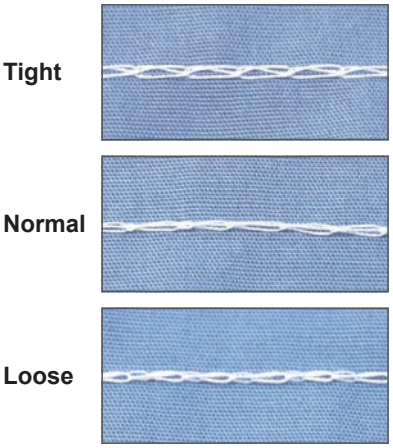
1. Is the needle threader selector at the appropriate setting?
   ("C1" for left needle, "C2" for center needle, "C3" for right needle.)
2. Is the machine engaged in the threading position?
3. Is the needle threading lever down completely?
4. Is the needle bent or worn?
5. Is the needle inserted correctly?

Looper Threading Difficulties:

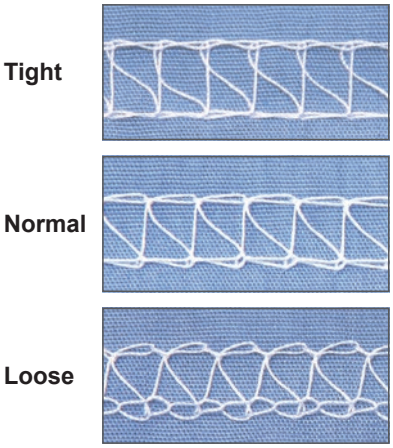
1. Is the thread end in the threading port correctly?
2. Is at least 1/2 inch (13mm) - 1 inch (25mm) of the thread end in the threading port?
3. Is there at least 22 inches (558mm) of loose thread beyond the thread guide above the threading port?
4. Is there a kink or twist in the 22 inches (558mm) of thread to restrict the flow into the threading port?
5. Is the thread caught to prevent going through the chain looper?

Looper Tension Adjustment

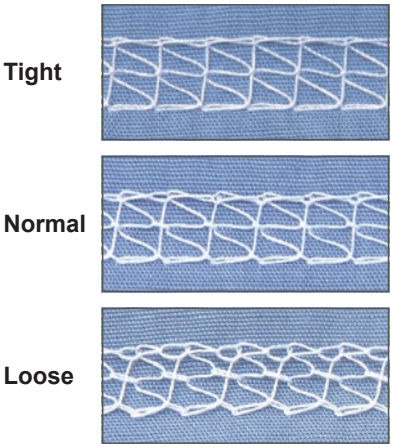
Chain Cover Stitch /Underside



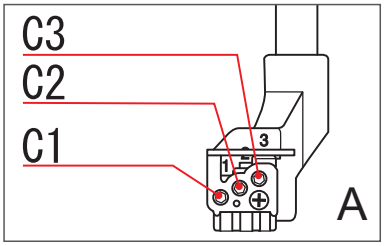
Cover Stitch (3mm) /Underside

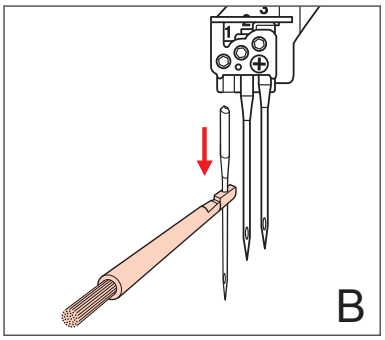


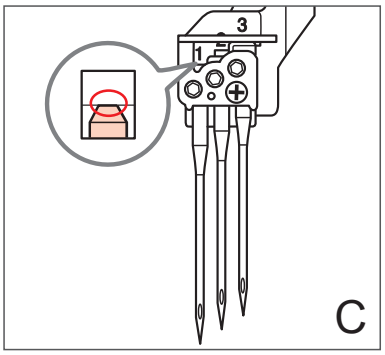
Cover Stitch (Wide) /Underside

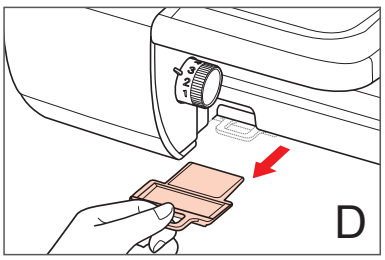


Replacing Needles









Needle Position Identification:

The chain/cover stitch needles are identified by C1, C2 and C3 on the front of the needle clamp (fig. A).

C1-Left chain/cover stitch needle can be used for a chain stitch, left narrow cover stitch, wide cover stitch or triple cover stitch.

C2-Center chain/cover stitch needle can be used for a chain stitch, left narrow cover stitch, right narrow cover stitch or triple cover stitch.

C3-Right chain/cover stitch needle can be used for a chain stitch, right narrow cover stitch, wide cover stitch, or triple cover stitch.

Replacing a Needle:

1. Lower the presser foot. Raise the needle(s) to the highest position by turning the handwheel forward (counterclockwise) or select the needle up/down button to raise the needles.
2. Using the allen screwdriver, loosen the needle screw for the needle to be changed. Screws are located by sequence as indicated above (fig. A).

NOTE: To prevent the needle from falling into the needle plate, use the needle insert tool to hold the needle as you loosen the screw (fig. B).

3. Using the needle insert tool, with the flat side of the needle to the back, insert the needle as far as it will go. Check the needle viewing window and tigthen the screw (fig. C).

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

If you do drop a needle down into the machine, just pull out the needle-drop drawer at the bottom of your machine. The needle will be on the drawer (fig. D).

Replacing LED Lighting

Your Primo is equipped with a long-life LED lighting system. It is not necessary to change bulbs. If the LED unit requires replacement, please contact an authorized Baby Lock retailer.

Cleaning

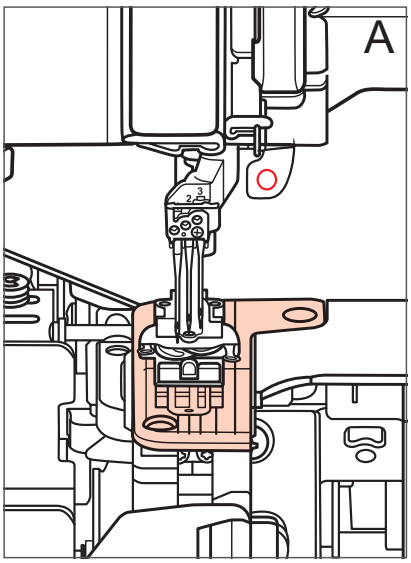
Your serger will operate at best performance if it is kept clean at all times.

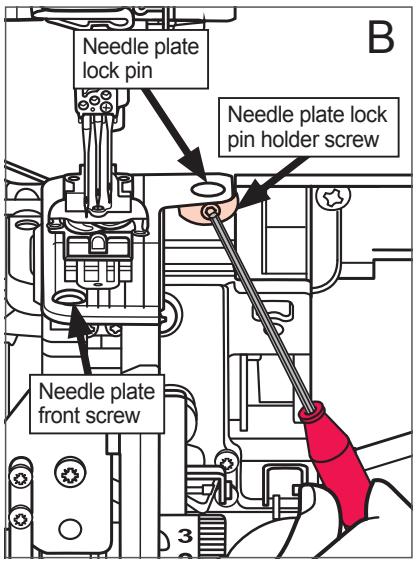
The major moving parts are well protected and do not require oiling. However, we recommend using the cleaning brush often during use to keep lint off the needle bar, the feed dog mechanism and looper. For periodic interior cleaning, lubrication, and adjustments, contact an authorized Baby Lock retailer.

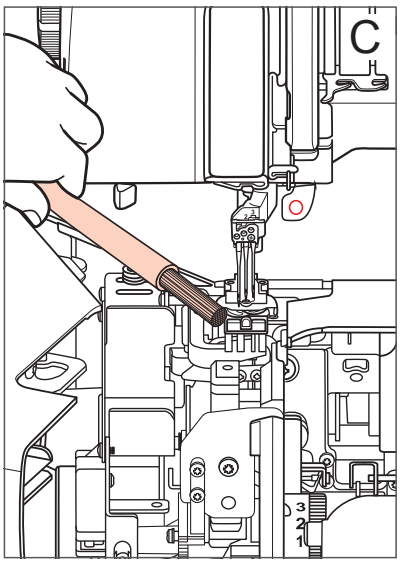
Removing the Needle Plate:

1. For safety reasons, unplug main power cord.
2. Raise and remove the presser foot. See page 16 for removing the Combination foot. For the standard foot simply press the release lever at the back of the presser foot shank.
3. Remove needles from needle clamp.
4. For easy access to the needle plate lock pin set screw, raise needle clamp to its highest position and open the front cover and front table (fig. A).
5. Place allen screwdriver (1.5mm) into the needle plate lock pin screw and loosen the screw (fig. B).
6. Remove needle plate lock pin (fig. B) and remove needle plate front screw.
7. Open left side cover of machine and remove the needle plate.
8. Clean machine using the lint brush (fig. C).
9. Place needle plate onto machine and insert needle plate lock pin set screw.
10. Tighten the needle plate lock pin holder screw and check to be sure that top of needle plate lock pin is flush with needle plate.
11. Place needle plate front screw in position and tighten screw.
12. Attach the Combination foot, see page 17. For the standard foot align the foot with the shank and lower the presser foot.

NOTE: Insert needles into C1, C2 and C3 positions making sure the needles do not touch either side of needle plate hole.







Technical Data

Looper Threading System:	"Air Threading System"
Tension Dial:	Dial for Chain/Cover Stitch Looper Thread
Stitch Length Dial:	1.0-4.0mm
Differential Feed:	Gathering: N ~ 2.0 Stretching: N ~ 0.6
Presser Foot:	Combination Foot
Presser Foot Height:	5.5mm from Needle Plate
Looper:	Chain Looper
Needle System:	Organ ELx705 #80/12 and #90/14
Number of Needles:	3 - C1, C2, C3
Sewing Speed:	Up to 1,500 s.p.m.
Handwheel:	Rotate handwheel toward you; counterclockwise
Stitch Types:	Chain Stitch - Left (C1), Center (C2), Right (C3) Cover Stitch - Narrow Left - Narrow Right - Wide - Triple Creative Top Cover Chain Stitch - Left (C1), Center (C2), Right (C3) Creative Top Cover Stitch - Narrow Left - Narrow Right - Wide - Triple
Stitch Width: Cover Stitch:	- Triple Cover Stitch : 6.0mm - Cover Stitch - Wide : 6.0mm - Cover Stitch - Narrow : 3.0mm
Stitch Width: Creative Top Cover Stitch:	- Creative Top Cover Triple Cover Stitch : 6.0mm - Creative Top Cover Stitch - Wide : 6.0mm - Creative Top Cover Stitch - Narrow : 3.0mm
Lighting:	3 LED Lights
Machine Weight:	12.2 kgs / 26.8 lbs.

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