MY BERNINA







OVERLOCKER ACCESSORIES







OVERLOCKER ACCESSORIES

For BERNINA Overlockers

L 890, L 860, L 850, L 460, L 450

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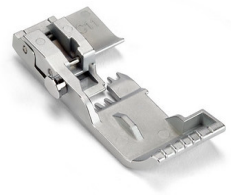



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The information in this workbook applies to the BERNINA Overlocker Machine models L 890, L 860, L 850, L 450, L 460.

INTRODUCTION

BERNINA has over a dozen overlocker feet and accessories to expand your serging and creative possibilities. From blind hems to zippers, each one has a specific function to make that sewing task easier and more professional.

When you purchase a new foot, be sure to review and save the instructions that come with the foot. These instructions include labeled diagrams of the foot and tips on how to accomplish different techniques.

This workbook is designed to be used as a step-by-step guide to familiarize you with the BERNINA overlocker feet and accessories for the L 4 and L 8 series machines. Once you have completed the stitching exercise, attach the sewn samples to the information pages (or add an extra mounting page as a facing page) and insert the pages into plastic page protectors to store in a 3-ring binder. Make any notes along the way. These can then be used as a reference tool as you use your machine and explore its creative possibilities. Refer to the Big Book of Serging for more techniques and information.

BERNINA strives to provide its customers with quality overlocker machines and informative publications and classes. Along with providing My BERNINA Classes, your local BERNINA dealer stocks The Big Book of Serging, which is a complete guide to BERNINA overlockers. Also, the BERNINA website and blog offer product information, free projects and a variety of articles that appeal to all types of sewists, no matter which machines are their favorites.

For more information on the BERNINA line of sewing machines and overlockers, as well as sewing projects, visit:

www.bernina.com
www.WeAllSew.com





Click HERE to view the Creative Serging with Overlocker Feet Webinar by Mary Beck, BERNINA Educator and Overlocker Specialist



PREPARING TO STITCH

SEAM ALLOWANCES

All seams are guided along the edge of the foot with a little bit of trimming unless otherwise indicated.

STITCH SETTINGS

Stitch settings are included with each technique for the L 4 Series and the L 8 Series. For the L 860/L 890 use the default settings shown on the touchscreen unless otherwise noted in the directions.

Depending on thread and fabric choices, your settings may vary. There is space for you to note your settings on the chart.

STITCH SETTINGS ABBREVIATIONS

Overlocker Codes	
Thread Path	Codes
Upper Looper	UL
Lower Looper	LL
Right Needle	RN
Left Needle	LN

Coverstitch and Chainstitch Codes	
Thread Path	Codes
Chain Looper	CL
Cover Right Needle	RC
Cover Center Needle	CC
Cover Left Needle	LC

Machine Setting Codes	
Setting	Codes
Stitch Length	SL
Differential Feed	DF
Cutting Width	CW
Rolled Hem Lever Overlock/Rolled Hem	O/R
Upper Looper Converter	ULC

NEEDLES

The L 8 Series overlockers are specified to use needle system ELX705 needles. These needles have a groove on the front and back of the needle which reduces the friction on the thread, especially at high speeds. Other needles can be used in these machines, but tension adjustments may be required to achieve the desired stitch. Refer to Page 28 Reference - Overlocker Needles for more information.

THREADING

(Refer to Page 29 Reference—Overlocker Threads for additional information about threads.)

- Due to the One-Step BERNINA Air Threader, no specific sequence is required for threading the machine.
- Thread with the presser foot raised and the Retractable Thread Guide fully extended.
- Make sure needles are in the highest position—the Left Needle is higher than the Right Needle.
- Follow the color-coded path for threading the desired stitch.
- To engage the Air Threader, turn the Air Threader Connector to the left. Then press the foot control to activate the threading motor.
- If the air threading pipes do not close in the proper position, turn the handwheel before engaging the Air Threader. Now when you press on the foot control, the pulse-drive feature will slowly move the pipes into the correct position to close.
- Tools for changing needles are located conveniently inside the threading cover of the machine.

STANDARD PRESSER FEET

STANDARD PRESSER FEET

A Standard Presser Foot is included with the machine and can be used for most serging applications, such as overlock stitching, flatlock stitching and rolled hems. The sole is flat and designed to keep the layers of fabric in constant contact with the feed dogs. On the BERNINA L 890, the Standard Foot is also used for combo stitch applications. Feet for the L 850 and L 860 are labeled with the letter "L". Feet for the L 890 are labeled with the letter "C".



L 450/L 460
Standard Overlock Foot



L 850/L 860
Standard Overlock Foot
#L10



L 890
Standard Combo Foot
#C11



L 890
Cover/Chainstitch Foot
#C13

The markings on the feet are helpful guidelines when serging. The raised marks on the front of the toe show the positions of the needles. The indented marking shows the position of the cutting blades when set at the default cutting width of 6 mm. These markings are very helpful when stitching along fabric markings or previously stitched seams, or when the seams need to meet, such as in circular or tubular sewing.



A:	Cutting line at cutting width 6
B:	Right overlock needle RN
C:	Left overlock needle LN
D:	Right coverstitch needle RC
E:	Center coverstitch needle CC
F:	Left coverstitch needle LC

STANDARD OVERLOCK FEET

The Standard Overlock Foot #L10 for the L 850 and L 860 has an additional feature, the Adjustable Tape Guide. This guide accomodates tapes, ribbon and elastic up to a width of 12 mm (15/32"). Use the included screwdriver to adjust the width of the guide.



The Standard Overlock Foot for the L 450/L 460 also has an Adjustable Tape Guide that accommodates tapes, ribbon and elastic up to a width of 4 mm (about 1/4") and cords up to 1 mm in diameter. Use the included screwdriver to adjust the width of the guide.



ACCESSORIES AND ATTACHMENTS

SEAM GUIDES

The Seam Guide aides in the guiding of fabric under the foot and ensures an even cut-off of excess seam allowances. It can also be adjusted to guide fabric on the fold to the left of the knife without cutting. The Seam Guides are standard accessories for the L 4 and L 8 Series Overlockers.



L 4 Series
Right Seam Guide

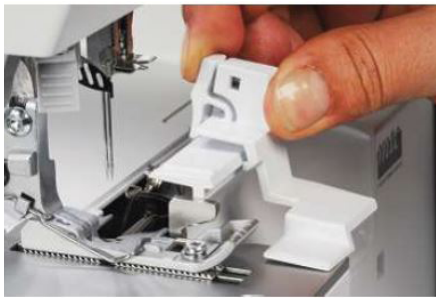


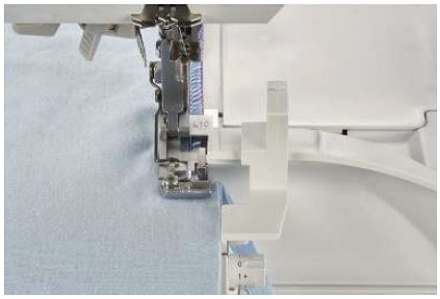
L 8 Series
Right Seam Guide

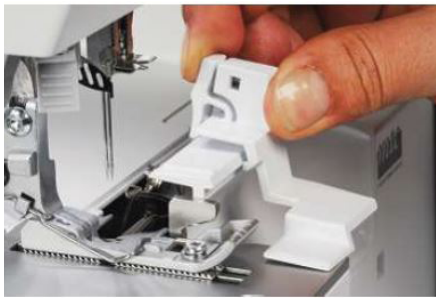
To attach the L 4 Right Seam Guide, open the left cover. Snap the right hooks into the guides on the right side of the stitch plate, around the rolled hem selection lever. The left hooks will snap into place in the indentation on the left side of the stitch plate. Close the left cover. Adjust the guide to the desired seam allowance. The oval cut-out in the center portion of the guide is even with the left needle. The upper large markings of the guide are in metric at 10 mm intervals and lower large markings are in inches at 1/4" intervals.



To attach the L 8 Right Seam Guide, press the clamp together at the upper part of the Seam Guide and place on the edge of the knife cover insert and let it engage. To remove, press the upper part of the clamp together and pull it away from the knife cover insert. Measure from the left most needle to position as needed. **Tip:** Use the CS Lock tool to measure.







To sew a seam along a folded edge without trimming, adjust the cutting width to 5 or wider and lower the knife. Adjust the Seam Guide to the desired width to the LEFT of the knife. Then place the fold against the Seam Guide and sew.

ACCESSORIES AND ATTACHMENTS

DECORATIVE THREAD GUIDES

The Decorative Thread Guide is helpful when working with heavy decorative threads, especially when using a wide cutting width and long stitch length. When the thread tension cannot be loosened enough the Decorative Thread Guide allows the thread to bypass the pre-tensioner, thus reducing friction on the thread. If using decorative thread in the needle, consider using an ELX 90/14 or Topstitch needle.

When working with decorative threads it is important to sew slowly and steadily. Thicker threads may require looser tensions and longer stitch lengths.



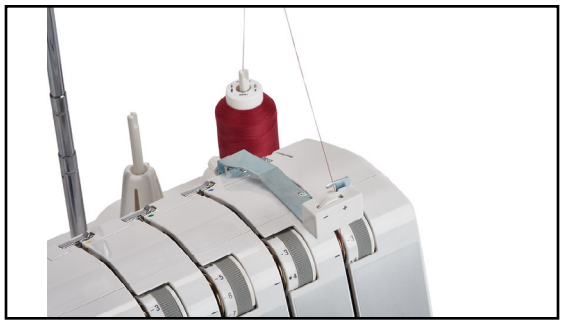
Decorative Thread Guide
L 4 Series



Decorative Thread Guide #L25
L 8 Series

L 4 SERIES DECORATIVE THREAD GUIDE

Attach the Decorative Thread Guide over the top of the machine, covering the respective tension slot. Tighten the screw on the back of the machine. Feed the thread from the retractable top thread guide through the Decorative Thread Guide, by-passing the pretension and tension. Use the thumb wheel to slightly adjust the tension of the thread as needed. Start with no tension and increase until the stitch is sewing as desired.



Test sew and fine tune before sewing on your project.

L 8 SERIES DECORATIVE THREAD GUIDE #L25

Hook the end of the Decorative Thread Guide into the front recess in the threading slot. Stretch the guide slightly and hook the arc of the guide into the rear recess in the threading slot. Feed the thread from the top of the Retractable Thread Guide through the corkscrew and between the thread tension discs. Start with the lowest tension setting and adjust as necessary.

Test sew and fine tune before sewing on your project.







ACCESSORIES AND ATTACHMENTS

DECORATIVE THREAD SPOOL PIN/HOLDER

The Decorative Thread Spool Pin is useful when working with parallel wound threads (stacked), small spools and metallic threads. The decorative thread is delivered consistently for even stitches. Threads that are slippery and want to "puddle" at the bottom of the spool may also benefit by being installed on this spool pin.

Another option for slippery threads is to use a Thread Net that is placed over the thread spool from the bottom and aligned with the top of the cone of thread. The excess Thread Net is tucked into the bottom hole of the spool as it is placed on the vertical spool pin.

When working with decorative threads it is important to sew slowly and steadily. Thicker threads may require looser tensions and longer stitch lengths.

L 4 SERIES DECORATIVE THREAD SPOOL HOLDER

To attach, press the release lever and slide the Decorative Spool Holder from below to the spool holder until it latches. Attach it near the respective vertical spool pin. To hold the thread spool in place secure it with a spool cap that is included with your machine. Make sure that the spool can rotate unobstructed. Detach by pressing the release lever and sliding the Decorative Thread Spool Holder downwards.

If using for thread that is going through the needles, attach in the space between the two needle spool pins.

Test sew and fine tune before sewing on your project.







L 4 Series
Decorative Thread Spool Holder

L 8 SERIES DECORATIVE THREAD SPOOL PIN #L26

To attach, hook on the bottom of spool stand near the respective vertical spool pin and clip into place. Place the thread on the spool. If the thread spool has a large diameter opening, also use the foam cylinder as a centering aid inside the thread spool. Add a spool disc, making sure that the spool can rotate freely. To remove the Deco Thread Spool Pin, release the clip at the bottom and unhook the spool pin.







L 8 Series
Decorative Thread Spool Pin #L26

STANDARD FOOT / CLEAR FOOT

STABILIZE A SEAM

The Clear Foot #L27/C27 is useful for practical and decorative stitching because of the clear view of the needle area. The clear feet for the L 8 Series also have a slit in the front which is useful for guiding tape, elastic or ribbon. Use the included screwdriver to adjust the guide on the L 4 Series Standard Overlock Foot. The Standard Foot #L10 also has a front slit with an adjustable guide.

Supplies and Settings

- (2) 3" x 8" pieces medium weight knit fabric
- 12" length of 1/4" wide twill tape
- Standard Overlock Foot/Clear Foot #L27/C27
- 4-thread Overlock Stitch #1



L 4 Series Standard Overlock Foot



L 8 Series Clear Foot #L27/C27

Directions

1. Set machine for a 4-thread Overlock (Stitch #1).
2. Insert the tape through the front slot on the top of the foot and take under the foot extending about an inch.
3. Sew a few stitches to secure.
4. Place the knit fabric right sides together and sew the seam, incorporating the tape. Guide along edge of foot.
5. Adjust differential feed as needed.



Tips

- Maximum width of tape is 9 mm (about 3/8") for the Clear Foot #L27 and up to 14 mm (about 1/2") for the Clear Foot #C27.
- Maximum width of tape for the L 4 Standard Overlock Foot is 4 mm (about 1/4").
- Swing out the foot of the L 8 Series for easier tape insertion.

Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	4	4	4	4	2.5	1	6	O	n/a
L 8 Series	4	4	4	4	2.5	1	6	O	n/a
Your Settings									

GATHERING FOOT

SIMPLE GATHERING

The gathering foot has a unique "gathering flap" that holds the fabric tightly against the feed dogs as the fabric moves under the needles. The amount of gathering can be changed by adjusting the amount of differential feed, increasing stitch length and/or increasing both needle tensions.

Supplies and Settings

- 3" x 16" strip medium weight cotton fabric
- Gathering Foot L 4 Series/Gathering Foot #L18/C18
- 4-thread Overlock (Stitch #1)



L 4 Series Gathering Foot



L 8 Series Gathering Foot #L18/C18

Directions

1. Set machine for a 4-thread Overlock (Stitch #1).
2. Increase the Stitch Length to 4/4.5 and the Differential Feed to 2.
3. With a fabric marker, divide the strip the fabric into two sections along one 16" edge.
4. Place the fabric under the foot and serge to the first mark.
5. Increase both needle tensions to 7 and stitch to the second mark.
6. Mark your sample with the settings.



Tips

- Use Creative Consultant on the L 860/L 890 to choose gathering settings for specific fabric types.
- Fine, soft fabrics may require a Differential Feed of 1.5 and/or a Stitch Length of 2.5-4.5.
- Be sure to test sew to determine the amount of fabric needed to be gathered.
- Adjust gathers by separating the needle threads from the chain and pulling.

Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	4/7	4/7	4	4	4	2	6	O	n/a
L 8 Series	4/7	4/7	4	4	4.5	2	6	O	n/a
Your Settings									

GATHERING FOOT

FABRIC TO FABRIC

The flap also separates fabric layers when gathering to a flat piece of fabric. The fabric to be gathered is placed right side up under the foot, while the fabric that remains flat is fed right side down through the slot at the front of the foot.

Supplies and Settings

- 3" x 16" strip medium weight cotton fabric
- 3" x 8"strip medium weight cotton fabric
- Gathering Foot L 4 Series/Gathering Foot #L18/C18
- 4-thread Overlock (Stitch #1)



L 4 Series Gathering Foot



L 8 Series Gathering Foot #L18/C18

Directions

1. Set machine for a 4-thread Overlock (Stitch #1)
2. Increase the Stitch Length to 4/4.5 and the Differential Feed to 2.
3. Place the 16" strip of fabric right side up below the foot and sew until the needle is a couple of stitches into the fabric. Drop the needles into the fabric.
4. Raise the presser foot and insert the 8" strip right side down into the slot at the front of foot up to the needles and along the blade. Lower the foot.
5. Sew the two layers together. Use both hands to guide the fabrics.
6. Allow both fabrics to feed smoothly.
7. Trim edges even.



Tips

- The bottom fabric will feed faster than the top fabric.
- You may need to guide the top fabric to the right a little to keep it riding along the inside edge of the slot.

Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	4	4	4	4	4	2	6	O	n/a
L 8 Series	4	4	4	4	4.5	2	6	O	n/a
Your Settings									

ELASTICATOR FOOT

ATTACHING ELASTIC

The adjustable roller on the foot applies constant tension to the elastic, stretching it as it is serged to fabric. The stretch of the elastic can be adjusted with the screw on the top of the foot. The greater the pressure, the stronger the pull on the elastic and the more gathered the resulting fabric will be.



L 4 Series Elasticator Foot



L 8 Series Elasticator Foot #L14/C14

Supplies and Settings

- 3" x 16"piece medium weight cotton fabric
- 12"piece of 1/4" wide elastic
- Elasticator Foot/Elasticator Foot #L14/C14
- 4-thread Overlock (Stitch #1)

Directions

1. Set machine for a 4-thread Overlock Stitch (#1)
2. Increase the Stitch Length to 4.
3. Insert the elastic under the front roller with about 1" extending behind the foot.
4. Adjust the width of the opening on the Elasticator Foot #L14/C14 to match the elastic width using the left front screw.
5. Adjust the position of the elastic on the Elasticator Foot #L14/C14 using the right front screw. Be sure that the elastic will not be cut during the stitching and that at least one needle is stitching into the elastic.
6. Set the top adjusting screw to the tightest stretch (the lower line on the Elasticator Foot #L14/C14).
7. Sew a few stitches just in the elastic.
8. Place the fabric right side up under the presser foot and sew the length of the fabric. Allow the fabric and elastic to feed smoothly.



Tips

- Use elastic 5-12 mm wide (about 1/8" to 1/2") with the L 4 Series Elasticator Foot.
- Use elastic 5-20 mm wide (about 1/8" to 3/4") with the L 8 Series Elasticator Foot.
- A 3-thread Overlock (Stitch #3/4) or 3-thread Super Stretch Stitch (Stitch #2) may also be used.
- For a finished look, stitch the elastic on the wrong side and then fold over to cover the elastic and topstitch using the chainstitch or coverstitch on the L 890.

Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	4	4	4	4	4	1	6	O	n/a
L 8 Series	4	4	4	4	4	1	6	O	n/a
Your Settings									

MULTI-PURPOSE FOOT/BEADING AND SEQUIN FOOT

INSERT BEADS

The groove on the bottom side of the foot and the guide on the side hold strings of beads and sequins perfectly so that they can be sewn without shifting. Beads and sequins can be sewn on fabric edges or as decorative accents along flat seams.

Supplies and Settings

- 3" x 8" piece medium weight cotton fabric
- 12" strand of 4 mm beads
- Seam Guide
- Multi-purpose Foot/Beading and Sequin Foot #L15/C 15
- 3-thread Flatlock Narrow (RN) (Stitch #6)



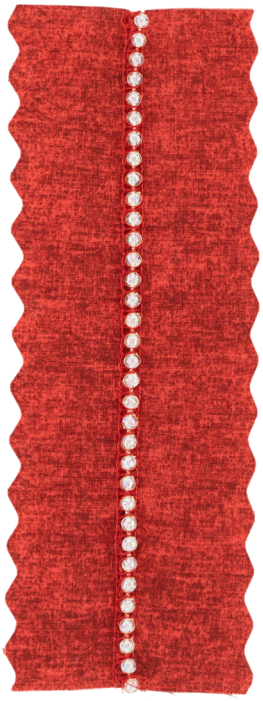
L 4 Series
Multi-purpose Foot



L 8 Series
Beading and Sequin Foot
#L15/C15

Directions

1. Set machine for 3-thread Flatlock Narrow (RN) (Stitch #6).
2. Set Cutting Width to 5.
3. Disengage the upper knife.
4. Place the Seam Guide all the way to the left.
5. Raise the presser foot and place the strand of beads in the front guide groove and under the rear guide groove.
6. Sew a few stitches to secure the beads.
7. Fold fabric in half lengthwise wrong sides together.
8. Place the fabric under the foot with the fold along the Seam Guide and sew.
9. When finished, gently pull the fabric flat.



Tips

- Sequin/bead size for the Multi-Purpose Foot is up to 4 mm.
- Sequin/bead size for the L 8 Beading and Sequin Foot is up to 6 mm.
- Use monofilament thread in the loopers to make the beads and sequins appear to "float".
- Sew sequins with the 'nap' towards you to ensure smooth feeding.

Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	n/a	2.5	4	7	2.5	1	5	O	n/a
L 8 Series	n/a	2	4	6	2.5	1	5	O	n/a
Your Settings									

BLINDSTITCH FOOT

BLIND HEM

The adjustable guide is invaluable to position the fabric exactly where you want it for a blind hem. The Blindstitch Foot for BERNINA models L 450 and L 460 comes in two sizes, 0.5 mm for fine to medium fabrics and 1.0 mm for medium to heavy fabrics.

Supplies and Settings

- 8" square medium weight cotton fabric
- Blindstitch Foot (0.5 or 1.0) /Blindstitch Foot Foot #L19/C19
- 3-thread Overlock Narrow (RN) (Stitch #4)



L 4 Series Blindstitch Foot (0.5 and 1.0 cm)



L 8 Series Blindstich Foot #L19/C19

Directions

1. Set machine for 3-thread Overlock Narrow (RN) (Stitch #4).
2. Adjust the right needle tension between 1 and 3.
3. Increase the stitch length to 4.
4. Decrease the cutting width to 5.
5. Adjust the guide on the foot so that it is 1 mm to the right of the needle (position on the right needle pin).
6. Press a 2" hem to the wrong side of the fabric.
7. Measure up 1 1/2" from the pressed crease on the wrong side and draw a line. This will be the fold you will stitch on.
8. Fold the fabric so that the pressed up hem is next to the feed dogs and the raw edge to the right. Then fold the top fabric back to the left along the drawn line. You should be looking at the wrong side of the fabric.
9. Place the fabric under the presser foot and push the fold against the guide of the foot on the left side.
10. Sew a few stitches making sure that the needle barely stitches the folded edge. Adjust as necessary.
11. Sew the hem. Open and press. You should have small stitches showing on the right side.



Tips

- Adjust the Differential Feed to between 1 and 0.7 if the lower fabric is puckering.
- Deactivate the knife or increase the cutting width when back at the beginning when hemming in the round to avoid cutting stitches.
- Matching or monofilament thread in the needle make the stitch almost invisible.

Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	n/a	1-3	4	4	4	1	5	O	n/a
L 8 Series	n/a	1-3	4	4	4	1	5	O	n/a
Your Settings									

BLINDSTITCH FOOT

DECORATIVE PINTUCKS

The guide of the Blindstitch Foot allows accurate fabric placement when creating pintucks and keeps the fabric from being trimmed.

Supplies and Settings

- 8" square medium weight cotton fabric
- Blindstitch Foot (0.5 or 1.0) /Blindstitch Foot #L19/C19
- 3-thread Rolled Hem (Stitch #8)
- Texturized thread in Upper Looper



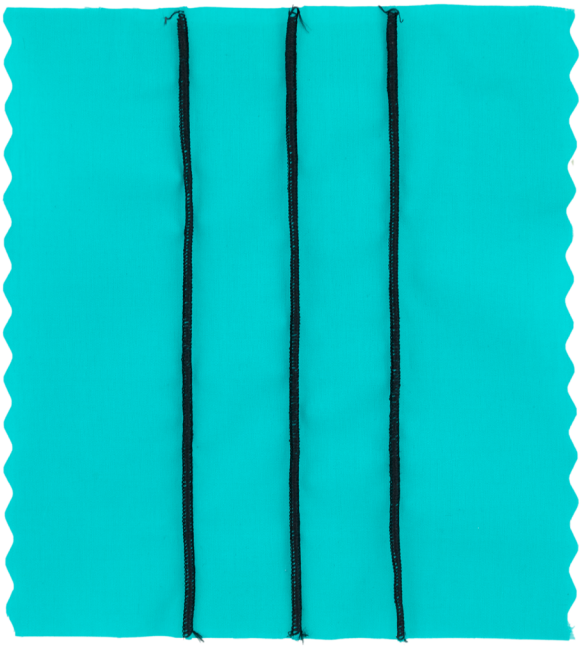
L 4 Series Blindstitch Foot (0.5 and 1.0 cm)



L 8 Series Blindstich Foot #L19/C19

Directions

1. Set machine for 3-thread Rolled Hem (Stitch #8).
2. Disengage the upper knife.
3. Adjust the guide on the foot to the far right.
4. Mark three lines 1 1/2" apart on the right side of the fabric.
5. Fold the fabric wrong sides together on one marked line and place the fabric under the presser foot with the fold against the guide.
6. Serge the pintuck; repeat for the two remaining marked lines.



Tips

- Adjust the Differential Feed to between 1 and 0.7 if the lower fabric is puckering.
- Pintucks are lovely for delicate heirloom projects using fine and medium weight natural fabrics.
- For pintucks on thicker fabrics use the left needle.
- Other stitch options include the narrow overlock, narrow flatlock and chainstitch.

Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	n/a	3.5	3-4	7.5	R-1.2	1	5	R	n/a
L 8 Series	n/a	4	3-4	5.5	R-1.2	1	5	R	n/a
Your Settings									

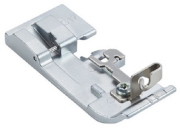
STANDARD FOOT / CORDING FOOT

SHAPED EDGE

The Cording Foot is useful when serging small cord into a rolled hem or other serged edge. Examples of cording materials include fishing line, fine wire, perle cotton or fine yarn. Cords can be up to 2 mm in diameter in the L 8 Series Cording Foot. The L 4 Series Cording Foot takes cording up to 1 mm in diameter. The guide located on the front of the Cording Foot holds the cording in place and away from the blades as it is sewn. The guide in front of the needle and the groove under the foot behind the needle allow the materials to move smoothly.



L 4 Series Cording Foot



L 8 Series Cording Foot #L17/C17

Supplies and Settings

- 8" square medium weight knit fabric
- 16" length of nylon finshing line 12-20# test
- 3-thread Rolled Hem (Stitch #8)
- Texturized thread in Upper Looper (optional)

Directions

1. Set machine for 3-thread Rolled Hem (Stitch #8).
2. Place the fishing line in the guides and pull about 4" behind the presser foot.
3. Floss the line in the foot to make sure it is moving freely.
4. Make a few stitches on the line to secure it in the stitch.
5. Place the fabric under the foot right side up with the stretchiest edge along the knife.
6. As you start you may have to pull slightly on the line at the back.
7. Serge off leaving a length of line at the end.
8. Stretch the hemmed edge so that the fishing line is pulled into the seam and the edge curls.



Tips

- Thicker cords may be sewn in with a 3-thread Narrow Seam (Stitch #7) or 3-thread Overlock Narrow (Stitch #4).
- Cover cording without adding fabric to make a necklace or trim.

Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	n/a	3.5	3-4	7.5	R-1.2	1	5	R	n/a
L 8 Series	n/a	4	3-4	5.5	R-1.2	1	5	R	n/a
Your Settings									

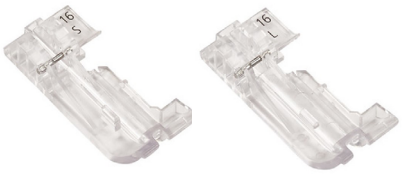
MULTI-PURPOSE FOOT / PIPING FOOT

MAKE PIPING

The groove on the underside of the foot cradles piping cord, allowing it to travel easily under the foot when making and inserting piping and when inserting zippers.



L 4 Series
Multi-purpose Foot



L 8 Series
Piping Foot #L16/C16 S/L

Supplies and Settings

- 2" x 8" strip medium weight cotton fabric cut on the bias
- 12" length of 3/16" cotton filler cord
- Multi-purpose Foot/Piping Foot #L16/C16 L (5mm)
- 3-thread Overlock Narrow (RN) (Stitch #4)



Directions

1. Set machine for 3-thread Overlock Narrow (RN) (Stitch #4).
2. Wrap the fabric around the cord wrong sides together with about 2" of cord extending at the top.
3. Place under foot with cord in the groove of the foot and the fabric raw edges toward the knife.
4. Sew the fabric around the cord, making sure the piping is fed evenly without puckering or distortion.

Tips

- Multi-purpose Foot uses cord up to 4 mm (about 5/32").Piping Foot #L16/C16 S (3mm) uses cord up to 3 mm (about 1/8").
- Piping Foot #L16/C16 L (5mm) uses cord up to 5 mm (about 1/4").

Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	n/a	4	4	4	2.5	1	6	O	n/a
L 8 Series	n/a	4	4	4	2.5	1	6	O	n/a
Your Settings									

MULTI-PURPOSE FOOT / PIPING FOOT

INSERT PIPING

Using a 3-thread overlock stitch to make the piping and a 4-thread overlock to insert will ensure that the first set of stitches will not show. With practice piping can be covered and inserted in one step.



L 4 Series
Multi-purpose Foot



L 8 Series
Piping Foot #L16/C16 S/L

Supplies and Settings

- (2) 3" x 8" strips medium weight cotton fabric
- Covered piping made in previous lesson
- Multi-purpose Foot/Piping Foot #L16/C16 L (5mm)
- 4-thread Overlock (Stitch #1)

Directions

1. Set the machine for a 4-thread Overlock (Stitch #1).
2. Place the prepared piping between the two pieces of fabric, right sides together and raw edges even.
3. Place under the presser foot with the piping under the groove of the foot and lower the foot.
4. Serge all layers together.

Tips

- Decrease the presser foot pressure as needed.
- Piping can be made and inserted in one step.



Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	4	4	4	4	2.5	1	6	O	n/a
L 8 Series	4	4	4	4	2.5	1	6	O	n/a
Your Settings									

CLEAR FOOT #27

COVERSTITCH PLAID

The Clear Foot #C27 makes it easy to stitch on marked lines for techniques such as a coverstitch plaid.



L 890
Clear Foot #27

Supplies and Settings

- 8" square medium weight cotton fabric
- 8" square OESD Fuse and Fleece
- Clear Foot #C27
- Two spools 12 wt decorative thread (optional)
- 3-thread Coverstitch 3mm LC-CC (Stitch #23)

Directions

1. Set machine for 3-thread Coverstitch 3mm LC-CC (Stitch #23).
2. Thread chain looper with one of the decorative threads.
3. Fuse OESD Fuse and Fleece to wrong side of cotton fabric.
4. On the fleece side, mark three lines on the diagonal 1 1/2" apart. Mark three more lines perpendicular to the first lines 1 1/2" apart.
5. Stitch on the first set of lines, centering the needles on the markings. Release stitches with the CS Lock Tool.
6. Thread Chain Looper with other decorative thread. Stitch as before on the remaining lines.



Tips

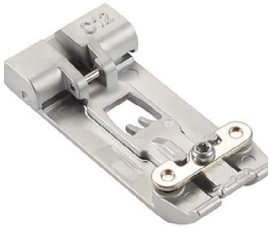
- Add the chainstitch to the plaid for a different look.
- Start and stop the stitching on the fabric.
- Adjust settings as needed when working with decorative threads.

Machine	Coverstitch/Chainstitch				Machine Settings				
	LC	CC	RC	CL	SL	DF	CW	O/R	ULC
L 890	3.5	4.5	n/a	1.5	3.5	1	n/a	n/a	n/a
Your Settings									

COVERSTITCH COMPENSATION FOOT

TOPSTITCHING HEM

"Floating toes" on either side of the center toe help to guide fabric and prevent sideways movement when stitching folded edges, seams and ribbing.



L 890 Compensation Foot #C12

Supplies and Settings

- 8" square denim fabric
- Spool of 12 wt. decorative thread (optional)
- Coverstitch Compensation Foot #C12
- 3-thread Coverstitch 3mm LC-CC (Stitch #23)

Directions

1. Set machine for 3-thread Coverstitch 3mm LC-CC (Stitch #23).
2. Thread Chain Looper with decorative thread.
3. Press a 1" hem to the wrong side along one edge of denim. Open hem and press raw edge to fold to make a double hem.
4. Place fabric wrong side up under the foot guiding the upper edge of the folded hem along the inside left toe.
5. Topstitch hem, starting and stopping on fabric.



Tips

- Cut seam allowance (but NOT through needle threads) and 'nest' to reduce bulk at seams when hemming.
- Reduce presser foot pressure when crossing seams if necessary.
- Increase stitch length when crossing seams and hand walk over the seam if it is thick (such as fleece, etc.).

Machine	Coverstitch/Chainstitch				Machine Settings				
	LC	CC	RC	CL	SL	DF	CW	O/R	ULC
L 890	3.5	4.5	n/a	4	3.5	1	n/a	n/a	n/a
Your Settings									

SINGLE FOLD BINDER ATTACHMENT

BOUND NECKLINES

Finish necklines on t-shirts using a chain- or coverstitch with this attachment. The swing out feature makes it easy to insert fabric strips. Binding finishes at 10 mm (about 3/8"). The top edge of the binding is folded under and lower edge is flat. Trim close to stitching after sewing.



L 890
Accessories Holder



L 890
Single Fold Binder Attachment #C22

Supplies and Settings

- 8" square medium weight knit fabric
- 1 1/2" x 14" strip contrast medium weight knit fabric
- Clear Foot #C27
- Accessories Holder
- Single Fold Binder Attachment #C22
- 3-thread Coverstitch 3mm LC-CC (Stitch #23)



Directions

1. Set machine for 3-thread Coverstitch 3mm LC-CC (Stitch #23).
2. Attach Accessories Holder using the short screws (L 890).
3. Insert binder attachment and adjust so that it is centered with the needles and not touching the presser foot.
4. Cut a large curve on the knit square mimicking a quarter neckline.
5. Cut a point on one end of the 1 1/2" strip and insert into binder attachment with wrong side towards you. Take behind the foot about 1".
6. Sew a few stitches to make sure fabric is feeding correctly.
7. Drop needles into fabric and raise the presser foot.
8. Place neckline piece right side up with curve against the binder attachment. Position the beginning of the neckline near the needles.
9. Stitch the binding to the neckline allowing the fabrics to feed freely and not stretch. The left needle should be close to the left fold of the binding.
10. When done, use applique scissors to trim the binding fabric on the wrong side close to the stitching.

Tips

- Apply a light starch to make the fabric easier to handle.
- Bias cut strips work best when stitching curves.
- Press seams open when working with pieced strips of binding to reduce bulk.

Machine	Coverstitch/Chainstitch				Machine Settings				
	LC	CC	RC	CL	SL	DF	CW	O/R	ULC
L 890	3.5	4.5	n/a	1.5	3.5	1	n/a	n/a	n/a
Your Settings									

DOUBLE FOLD BINDER ATTACHMENT

BOUND WOVEN EDGE

Bind edges using a chain- or coverstitch with this attachment. The swing-out feature makes it easy to insert fabric strips. Binding finishes at 10 mm (about 3/8”). Both edges are folded under for a finished look on both sides.



L 890
Accessories Holder



L 890
Single Fold Binder Attachment #C21

Supplies and Settings

- 8" square denim fabric
- 1 3/8" x 14” strip medium weight cotton fabric
- Cover/Chainstitch Foot #C13
- Accessories Holder
- Double Fold Binder Attachment #C21
- 3-thread Coverstitch 3mm LC-CC (Stitch #23)

Directions

1. Set machine for 3-thread Coverstitch 3mm LC-CC (Stitch #23).
2. Attach Accessories Holder using the short screws.
3. Insert binder attachment and adjust so that it is centered with the needles and not touching the presser foot.
4. Cut a point on one end of the 1 3/8" strip and insert into binder attachment with wrong side towards you. Take behind the foot about 1”.
5. Sew a few stitches to make sure fabric is feeding correctly.
6. Drop needles into fabric and raise the presser foot.
7. Place fabric square right side up against the binder attachment. Position near the needles.
8. Stitch the binding to the fabric allowing the fabrics to feed freely. The left needle should be close to the left fold of the binding- When done, use applique scissors to trim the binding fabric on the wrong side close to the stitching.



Tips

- Apply a light starch to make the fabric easier to handle.
- Bias cut strips work best when stitching curves.
- Press seams open when working with pieced strips of binding to reduce bulk.
- The Clear Foot #C27 or the Coverstitch Compensation Foot #C12 can also be used.

Machine	Coverstitch/Chainstitch				Machine Settings				
	LC	CC	RC	CL	SL	DF	CW	O/R	ULC
L 890	3.5	4.5	n/a	1.5	3.5	1	n/a	n/a	n/a
Your Settings									

DECORATIVE THREAD GUIDE

BLANKET STITCH

Use the Decorative Thread Guide when working with heavy decorative threads and wide and long stitches. Thicker threads require longer stitch lengths and lower tensions.



L 4 Series Decorative Thread Guide



L 8 Series Decorative Thread Guide #L25

Supplies and Settings

- 8" square felt
- 2" x 8" OESD StitcH2O Wash Away Stabilizer
- Spool 12 wt thread
- Decorative Thread Guide
- Topstitch needle 90/14
- Decorative Thread Guide #L25
- Standard Foot/Standard Combo Foot #L10/C11
- 2-thread Blanket Wide (LN) (Stitch #28)

Directions

1. Set machine for 2-thread Blanket Stitch (LN) (Stitch #28).
2. Insert topstitch needle 90/14 in left needle position.
3. Increase the cutting width to 9.
4. Attach Decorative Thread Guide/Decorative Thread Guide #L25 Guide in the left needle in tension slot of Left Needle threading through guide and by-passing the pretension. Thread needle with 12 wt thread, threading through guide, bypassing the pre-tension. Use coordinating thread in Lower Looper.
5. On the L 4 Decorative Thread Guide, start with no tension by turning the thumbwheel completely counter-clockwise.
6. Layer stabilizer on top of felt and sew along one edge through both layers.
7. Gently pull the stabilizer over the stitches, pulling the needle thread to the right side of the felt. Carefully tear away the stabilizer. Pull any remaining bits out with tweezers or dab with water.



Tips

- When working with decorative threads, sew at a slower pace.
- Test sew and adjust tensions as needed.

Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	*	n/a	n/a	4	4	1	9	O	Yes
L 8 Series	1	n/a	n/a	4	4	1	9	O	Yes
Your Settings									

* Start with dial at no tension and adjust accordingly.

DECORATIVE SPOOL PIN

PICOT STITCH

Use the picot stitch for hemming sheer and lightweight fabrics. Allow for extra fabric to test sew when working with metallic and other decorative threads.



L 4 Series Decorative Spool Pin



L 8 Series Decorative Thread Spool Pin #L26

Supplies and Settings

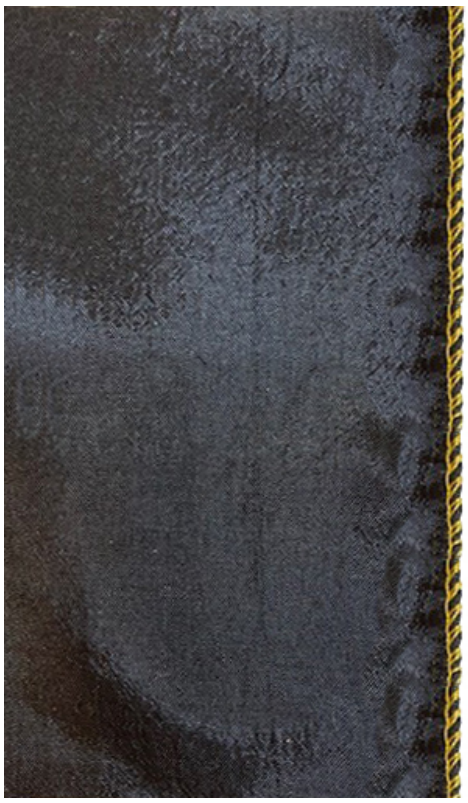
- 8" square lightweight fabric such as cotton, polyester, rayon, or silk
- Spool metallic thread (optional)
- Decorative Spool Holder/Decorative Thread Spool Pin #L26
- Standard Foot/Standard Combo Foot #L10/C11
- 3-thread Picot Stitch (Stitch #30)

Directions for Sewing in the Cord

1. Set machine for 3-thread Picot Stitch (Stitch #30).
2. Attach Decorative Spool Pin near Upper Looper Spool Pin.
3. Attach metallic thread on the Decorative Spool Pin and thread in Upper Looper. Use coordinating serger threads in needle and Lower Looper.
4. Sew slowly along one edge of fabric square.

Tips

- When working with decorative threads, sew at a slower pace.
- Depending on your thread and material, you will need to adjust tensions and differential feed. Refer to machine setting defaults and start from there.
- Make sure the thread on the Decorative Spool Pin is turning easily.



Machine	Overlock				Machine Settings				
	LN	RN	UL	LL	SL	DF	CW	O/R	ULC
L 4 Series	n/a	3.5-5	2-3.5	6.5-8	2.5	0.7-1	6	R	n/a
L 8 Series	n/a	3.5-5	3-3.5	5-8	2-2.5	0.7-1	6	R	n/a
Your Settings									

SUPPLIES FOR STITCHOUTS

AMOUNT	SIZE	FABRIC/NOTION
2	3" x 8"	Knit
2	8" x 8"	Knit
1	1 1/2" x 14"	Knit Strip
4	3" x 8"	Medium cotton
3	3" x 16"	Medium cotton
3	8" x 8"	Medium cotton
1	1 3/8" x 14"	Medium cotton
1	2" x 8"	Bias-cut cotton
2	8" x 8"	Denim
1	8" x 8"	Felt
1	8" x 8"	Lightweight rayon or silk
1	8" x 8"	OESD Fuse and Fleece
1	2" x 8"	OESD StichH2O
1	12" length	1/4" wide twill tape
1	12" length	1/4" wide elastic
1	12" length	4 mm beads
1	16" length	12-20# test fishing line
1	12" length	3/16" cording
4	spools	Serger Thread
1	spool	Texturized thread
2	spools	12 wt decorative thread
1	spool	Metallic threed
2	ELX 80/12 needles	L 8 Series
2	Universal 80/12 needles	L 4 Series
1	Topstitch 90/14	L 4 and L 8 Series

REFERENCE - OVERLOCKER NEEDLES

BERNINA Overlocker Needles

Along with thread, needles are very important to stitch formation. Many mechanical problems and damage to fabrics can be traced to a bent, damaged, or incorrect size or type needle.
When selecting the correct needle, consider the following:

- Recommended needle system for L 890 – ELX705. These needle are a flat shank needle. A pack of these needles is included with the overlocker.
- Recommended sizes for your overlocker are 70/11, 80/12 and 90/14. Larger needles can interfere with looper movement and cause damage; smaller needles may not form the stitches correctly.
- Needle point – assures proper stitch formation; avoids fabric damage
- You may use needle systems other than those recommended to accommodate the usage of certain specialty needles (stretch, Microtex, etc), but keep in mind that adjustments to tensions may be required for a proper stitch formation.

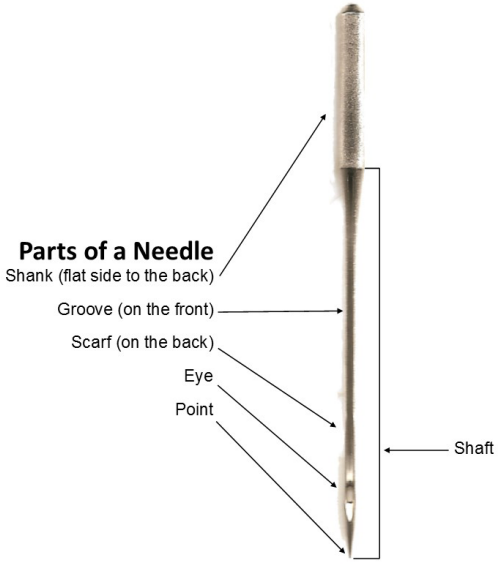
Needle Size for Fabrics
70 – shirt-weight
80 – medium-weight
90 – denim and twill

Need to Know

- Always make sure needles are fully inserted as high as possible, with the flat side to the back. The Left Needle will appear to be slightly higher than the Right Needle.
- Do not pull or push fabric while sewing. This can result in needle breakage or damage.
- Do not use bent or damaged needles.
- The needle is the most inexpensive part in your sewing machine, but it is crucial for getting good results and keeping your machine running well.
- The selected thread should fit in the groove on the front of the needle. If it isn't protected by the groove, a needle with a larger groove should be used.

Tip: If one needle breaks, it is a good habit to change both needles. Keeping the needle size and type the same results in a better formed stitch.





REFERENCE - OVERLOCKER THREADS

Overlocker Threads

Overlocker threads are usually polyester and are finer (lighter weight) than many sewing machine threads to avoid thread build-up and excessive bulk in seams. It is important that the thread is smooth and without variations in diameter as it needs to feed smoothly through many thread guides for good stitch formation.

You also want a good-quality thread – such as Mettler Seracor – that is not "fuzzy" and does not leave excessive lint in the lower part of your overlocker. Overlocker threads are sold on larger spools for economy and convenience; regular spools of thread may be used but will not last very long when forming overlock stitches. Along with overlocker thread, there are applications that call for specialty and decorative threads.

Listed below are some of these threads commonly used in the overlocker:

- Texturized Nylon Thread – such as YLI Woolly Nylon, Maxi-Lock Stretch or Wonderfil SoftLoc—A very elastic thread with excellent coverage; perfect for rolled edges and knit seams.
- Topstitching Thread – such as Jeans Stitch, Mettler Cordonnet, Aurifil 12wt Cotton and Wonderfil Spagetti – this heavy thread is used for decorative stitching (flatlocked seams and overcast edges). Also nice for cover and chain stitching. Topstitch thread can be polyester or cotton.
- Rayon Decorative Threads – such as Pearl Crown Rayon, Madeira Rayon 40 & YLI Designer 6 – shiny threads for decorative applications. Pearl Crown Rayon is twisted, while Designer 6 is untwisted. Available in solid and variegated colors.
- Metallic Decorative Threads – add a bit of glitz to seams and edgings.
- Decorative Sewing Threads – sewing machine threads can also be used in the overlocker, and are particularly effective when several are used together as one thread.
- **TIP:** Avoid using threads with heavy wax coatings in the air threading system. Coated or waxed threads may lose some of their coating in the Air Threader Pipes, resulting in permanent blocking of the pipes. Repair by a BERNINA dealer will be necessary.

