

BERNINA⁺

My **BERNINA** Sergers Workbook 2



Serging Ahead
For all current BERNINA serger models

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1150MDA



800DL
700D



009DCC



1300MDC

Serging Ahead

The information in this workbook applies to the current line of BERNINA Sergers. *Note: Some exercises apply only to certain models equipped with the feature being highlighted.*

The following presser feet and accessories are available for all BERNINA serger except the 009DCC. Some attachments are included with the purchase of the serger and others are optional depending on the model. Each presser foot snaps onto the shank of the serger, easy to change without the use of additional tools. The Gathering Attachment, the Guide for the Multi-Purpose Foot, and the Right & Left Seam Guides are attachments used in conjunction with a presser foot.



**Standard
Serger
Presser Foot**



**Chain Stitch
Presser Foot**



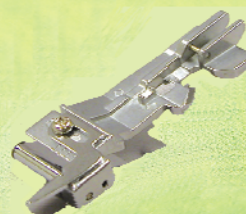
**Elasticator
Presser Foot**



**Gathering
Attachment**



**Blindstitch
Presser Foot**



**Gathering
Presser Foot**



**Cording
Presser Foot**



**Right & Left
Seam Guides**



**Multi-Purpose
Presser Foot
with Optional
Guide**



**Attachment
Base
700D & 800DL**

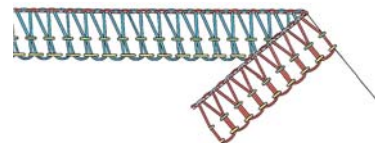


**Cover Stitch
Presser Foot**



**Cover Stitch
Hem Guide
1300MDC &
009DCC only**

Fabric: Medium weight cotton, 3" x 14" and
12" length of ½" nylon or cotton braid elastic
Needle: 75/11 Stretch or Ballpoint
Thread: 2 cones of serger thread and 2 cones of Woolly Nylon
Presser Foot: Elasticator
Stitch: 4-thread overlock



Thread the serger for a 4-thread overlock stitch with the Woolly Nylon in the upper and lower loopers. Adjust settings as directed below.

Attach the Elasticator to the serger.

Locate and raise the roller guide in the front of the presser foot. Turn the handwheel to lower the needles. (This also lowers the feed dog.)

Raise the presser foot and insert the elastic through the slot and under the presser foot until it touches the needles.

Lower the presser foot and serge a few stitches to catch and straighten the elastic along the right edge of the slot. Turn the handwheel to lower the needles.

Lower the roller guide. Using the small screwdriver, loosen the set screw on the front of the elasticator and adjust the guide plate to the width of the elastic; tighten the set screw.

Locate the pressure adjustment set screw (on the top of the roller guide) and turn the screw counterclockwise to completely loosen the pressure on the roller.

Place the fabric under the presser foot and begin serging. Slowly tighten the pressure adjustment set screw to increase the pressure on the roller and stretch the elastic. *Note: Do not over tighten the screw. Excessive pressure on the elastic will bind the fabric.*

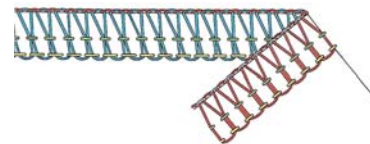
Serge the elastic onto the fabric letting the presser foot stretch the elastic for you.

Return all settings to normal.



Suggested Settings

Upper Looper.....	3-5
Lower Looper.....	3-5
Left Needle	3-5
Right Needle	3-5
Stitch Length.....	4
Cutting Width	2-3
Differential Feed	N



Fabric: Medium weight cotton, 3" x 12"

Needle: 80/12 Universal

Thread: 4 cones of serger thread

Presser Foot: Gathering Foot

Stitch: 4-thread overlock

Thread the serger for a 4-thread overlock stitch. Adjust settings as directed below, starting with a stitch length of 2.5mm and needle tensions of 5.

Attach the Gathering Foot to the serger.

Using a fabric marker, divide fabric into 3 sections along one 12" edge.

Turn the handwheel to lower the needles. (This also lowers the feed dog.) Insert the fabric under the Gathering Foot, up against the needles. The fabric should be on the stitch plate.

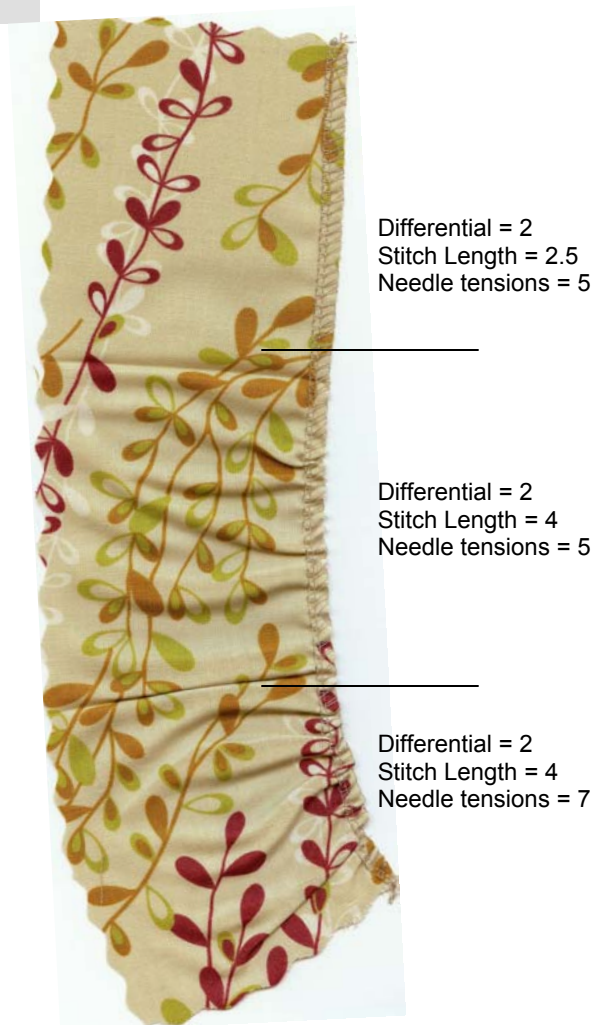
Lower the presser foot and serge to the first mark.

Adjust the stitch length to 4mm and serge to the second mark.

Increase the tension on both needles to 7. Serge to the end of the fabric.

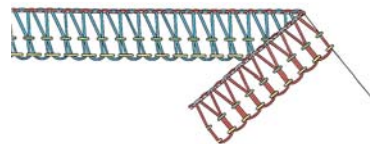
Mark the sample as shown.

Return all settings to normal.



Suggested Settings

Upper Looper	3-5
Lower Looper	3-5
Left Needle	5-7
Right Needle	5-7
Stitch Length	2.5-4
Cutting Width	2
Differential Feed	2



Fabric: Medium weight cotton, 3" x 14" and
Medium weight cotton, 3" x 8"

Needle: 80/12 Universal

Thread: 4 cones of serger thread

Presser Foot: Gathering Foot

Stitch: 4-thread overlock

Thread the serger for a 4-thread overlock stitch. Adjust settings as directed below.

Attach the Gathering Foot to the Serger.

Raise the presser foot and insert the 14" strip of fabric (*right side up*) under the Gathering Foot with the fabric on the stitch plate. Lower presser foot. Sew several stitches until the fabric is under the needles.

Turn the handwheel to lower the needles. (This also lowers the feed dog.) Place the 8" strip of fabric (*right side down*) on top of the flap on the Gathering Foot, touching the needles.

Serge the two strips together; the lower strip will gather as you sew.

Return all settings to normal.



Suggested Settings

Upper Looper	3-5
Lower Looper	3-5
Left Needle	3-5
Right Needle	3-5
Stitch Length	4
Cutting Width	2-3
Differential Feed	2

Fabric: Medium weight cotton bias strip, 2" x 8"
12" length of 3/8" cotton filler cord
Needle: 80/12 Universal
Thread: 4 cones of serger thread
Presser Foot: Multi-Purpose Foot with Guide
Stitch: 4-thread overlock

Set the serger for a 4-thread overlock stitch. Adjust settings as directed below.

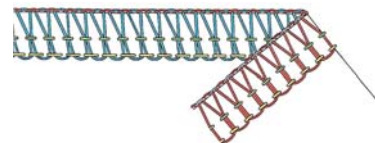
Attach the Multi-Purpose Foot and Guide following the directions in the instruction manual for the Multi-Purpose Foot with Guide.
Note: 700D and 800DL need the Attachment Base to accommodate the Guide.

Insert the filler cord into the guide from front to back.

Raise the Multi-Purpose Foot and insert the filler cord into the guide on the left side of the foot. Feed the filler cord under the foot. Lower the foot and serge a few stitches to stabilize the cord.

Wrap the bias strip around the plastic portion of the guide under the wire that goes over the guide.

Serge slowly, guiding the fabric and the cord simultaneously; continue serging until the cord is covered. It is now ready to be inserted into a seam as it is sewn or serged.



Suggested Settings

Upper Looper.....	3-5
Lower Looper.....	3-5
Left Needle	3-5
Right Needle	3-5
Stitch Length.....	3.5
Cutting Width	2-3
Differential Feed	N

Fabric: Medium weight cotton, 3" x 8", 2 pieces
 Medium weight cotton bias strip, 2" x 8"
 12" length of 3/8" cotton filler cord

Needle: 80/12 Universal

Thread: 4 cones of serger thread

Presser Foot: Multi-Purpose Foot with Guide

Stitch: 4-thread overlock

Set the serger for a 4-thread overlock stitch. Adjust settings as directed below.

Attach the Multi-Purpose Foot and Guide following the directions in the instruction manual for the Multi-Purpose Foot with Guide.
Note: 700D and 800DL need the Attachment Base to accommodate the Guide.

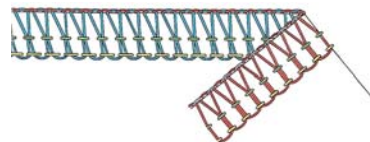
Place one of the 3" x 8" pieces of fabric under the foot, *right side up*.

Wrap the bias strip around the cord and place the wrapped cord in the groove under the foot and on top of the other fabric.

Position the second piece of fabric, *right side down*, on top of the first with the wrapped piping between them.

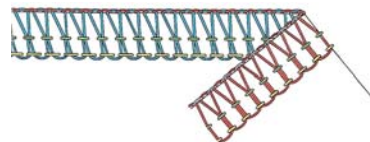
Serge, making the covered cord and attaching it to the fabric strip in one stitching.

Press the seam allowance to the wrong side of the fabric strip.



Suggested Settings

Upper Looper.....	3-5
Lower Looper.....	3-5
Left Needle	3-5
Right Needle	3-5
Stitch Length.....	3
Cutting Width	2
Differential Feed	N



Fabric: Medium weight cotton, 3" x 18"
 Medium weight cotton bias strip, 2" x 8"
 12" length of 3/8" cotton filler cord

Needle: 80/12 Universal

Thread: 4 cones of serger thread

Presser Foot: Multi-Purpose Foot + Gathering Attachment

Stitch: 4-thread overlock

Set the serger for a 4-thread overlock stitch. Adjust settings as directed below.

Attach the Multi-Purpose Foot only (no guide), following the directions in the instruction manual for the Multi-Purpose Foot with Guide.

Slip the Gathering Attachment on to the fixing screw and metal post directly behind the fixing screw. *Hint: Place the horseshoe-shaped slot over the screw, then rotate the attachment to lock over the metal post.* Tighten fixing screw. *Note: 700D and 800DL also need the Attachment Base.*

Wrap the bias strip around the cord and place the wrapped cord in the groove under the foot with the raw edges to the right.

Take 2 or 3 stitches into the fabric and lower the needles into the fabric.

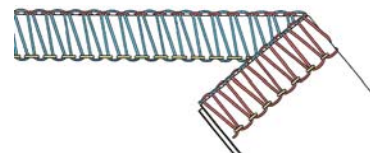
Place the 3" x 18" fabric *under* the Gathering Attachment and next to the needles.

Serge, covering the cord, gathering the fabric strip and seaming all layers together.



Suggested Settings

Upper Looper.....	3-5
Lower Looper.....	3-5
Left Needle	3-5
Right Needle	3-5
Stitch Length.....	3
Cutting Width	2-3
Differential Feed	2



Fabric: Medium weight cotton, 4" x 8"
 10" length of 4mm, plastic, pre-strung beads

Needle: 80/12 Universal

Thread: 3 cones of serger thread

Presser Foot: Multi-Purpose Foot

Stitch: 3-thread narrow flatlock

Set the serger for a 3-thread flatlock stitch using the right needle. Adjust settings as directed below.

Raise the upper knife and lock it in the "up" position. You will not cut fabric with this technique.

Attach the Multi-Purpose Foot only (no guide), following the directions in the instruction leaflet for the Multi-Purpose Foot with Guide.

Lay the pre-strung beads in the channel on the right side of the foot, threading them under the rear guide (see instruction leaflet for the Multi-Purpose Foot with Guide).

Turn the handwheel to encase the first beads inside the thread chain.

Fold the fabric in half to 2" x 8" and place the fabric under the foot with the fold halfway between the needle and the stitch finger or against the right seam guide.

Slowly flatlock the beads to the folded fabric.

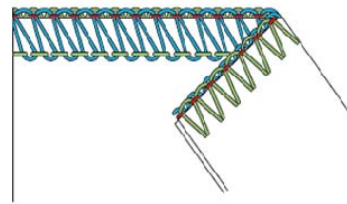
Gently pull the fabric flat.



Suggested Settings

Upper Looper.....	3-5
Lower Looper.....	7-9
Left Needle	N/A
Right Needle	1-2
Stitch Length.....	1.75
Cutting Width	2-3
Differential Feed	N

Fabric: Cotton jersey, 6" x 6"
Needle: 80/12 Universal (ballpoint may be used if needed)
Thread: 3 cones of serger thread
Presser Foot: Blindstitch Foot
Stitch: Narrow 3-thread flatlock



Set the serger for a narrow 3-thread flatlock stitch (right needle); adjust the settings as directed below.

Attach the Blindstitch Foot.

Fold the fabric under for a 1½" blind hem and then turn the body of the project back so that ¼" - ½" extends beyond the fold as in a conventional blind hem. Place the fabric under the foot.

Adjust the fabric guide so that the needle just catches the fold in the stitching.

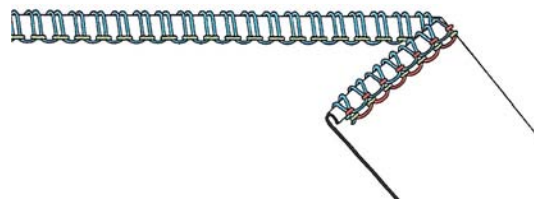
Serge the hem, guiding the fold of the fabric against the guide.

Press the hem.



Suggested Settings

Upper Looper.....	3-5
Lower Looper.....	7-9
Left Needle	N/A
Right Needle	1-2
Stitch Length.....	4
Cutting Width	2-3
Differential Feed	N



Fabric: Medium weight cotton, 6" x 6"

Needle: 80/12 Universal

Thread: 3 cones of serger thread

Presser Foot: Blindstitch Foot

Stitch: 3-thread rolled edge

Set the serger for a 3-thread rolled edge stitch (right needle); adjust the settings as directed below.

Attach the Blindstitch Foot.

Pull the Stitch Selection lever toward you.

Raise the upper knife and lock it in the "up" position. You will not cut fabric with this technique.

Move the fabric guide just to the left of the knife line on the stitch plate.

Mark three lines 1" apart across the fabric.

Fold the fabric *wrong sides together* along one marked line and place the fabric under the presser foot with the fold against the guide.

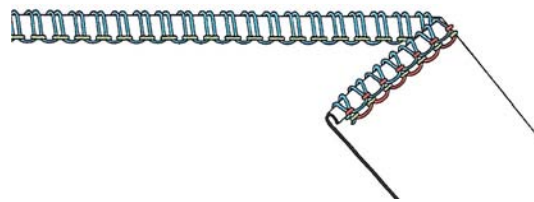
Serge the tuck; repeat for the two remaining marked lines.

Return the rolled hem lever to the normal serging position.



Suggested Settings

Upper Looper.....	3-5
Lower Looper.....	7-9
Left Needle	N/A
Right Needle.....	3-5
Stitch Length.....	1.75
Cutting Width	2-3
Differential Feed	N



Fabric: Flat edging lace, 2 pieces, 6" each

Needle: 70/10 Sharp or Microtex

Thread: 3 cones of serger thread

Presser Foot: Blindstitch Foot

Stitch: 3-thread rolled edge

Set the serger for a 3-thread rolled edge stitch (right needle); adjust the settings as directed below.

Attach the Blindstitch Foot.

Pull the Stitch Selection lever toward you.

Raise the upper knife and lock it in the "up" position. You will not cut fabric with this technique.

Move the fabric guide just to the left of the knife line on the stitch plate.

Stiffen the lace with spray starch or fabric stiffener.

With right sides together, place the headers of the laces under the presser foot against the guide.

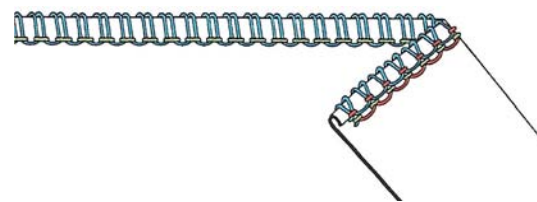
Serge the laces together.

Gently pull the lace flat and press.



Suggested Settings

Upper Looper	3-5
Lower Looper	7-9
Left Needle	N/A
Right Needle	3-5
Stitch Length	1.75
Cutting Width	2-3
Differential Feed	N



Fabric: Medium weight fabric, 3" x 18", cut on bias *and* Nylon fishing line, 15-20# test, 24"
Needle: 80/12 Universal
Thread: 2 cones of serger thread and 1 cone YLI Woolly Nylon
Presser Foot: Cording Foot
Stitch: 3-thread rolled edge

Set the serger for a 3-thread rolled edge (right needle) with Woolly Nylon in the upper looper. Adjust settings as directed below.

Pull the Stitch Selection lever towards you.

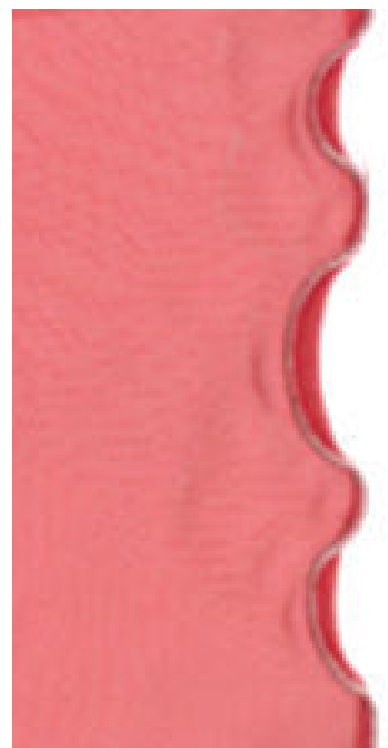
Attach the Cording Foot.

Following the directions in the instruction leaflet for the Cording Foot, insert the nylon fishing line through the guides.

Place the fabric under the presser foot and serge along one 18" edge, stretching the fabric edge as you sew.

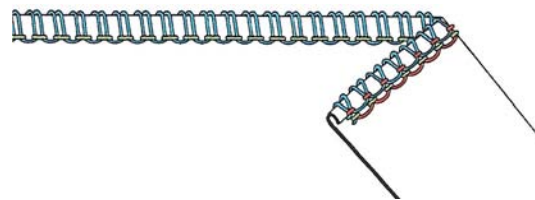
Return stitch length and thread tension levers to normal.

Return the rolled hem lever to normal sewing position.



Suggested Settings

Upper Looper.....	3-5
Lower Looper.....	7-9
Left Needle	N/A
Right Needle	3-5
Stitch Length.....	1.75
Cutting Width	1.5
Differential Feed	N



Fabric: Medium weight fabric, 3" x 18" and
28 gauge floral wire, two 24" lengths
Needle: 80/12 Universal
Thread: 2 cones of serger thread and 1 cone YLI Woolly Nylon
Presser Foot: Cording Foot

Set the serger for a 3-thread rolled edge (right needle) with Woolly Nylon in the upper looper. Adjust settings as directed below.

Pull the Stitch Selection lever towards you.

Attach the Cording Foot.

Following the direction in the instruction leaflet for the Cording Foot, insert the wire through the guides.

Place the fabric under the presser foot and serge along one 18" edge, feeding the wire through the foot as you serge.

Use wire cutters to cut the wire. **Do not use the serger knives.**

Repeat for the other 18" edge of the fabric.

Roll hem the short ends of the strip *without* inserting wire into the stitch.

Return stitch length and thread tension levers to normal.

Return the rolled hem lever to normal sewing position.

Secure the thread tails with a seam sealant. When the sealant is dry, cut the thread tails. Use wire cutters to trim the wire, if needed.

Tie the wired fabric into a bow.

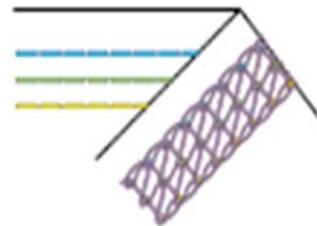


Suggested Settings

Upper Looper.....	3-5
Lower Looper.....	7-9
Left Needle	N/A
Right Needle	3-5
Stitch Length.....	1.75
Cutting Width	2-3
Differential Feed	N

1300MDC only

Fabric: Firm fabric, 3" x 6"
Needle: 80/12 Sharp or JLx2
Thread: 4 cones serger thread
Presser Foot: Cover Stitch Foot
Stitch: 3-needle cover stitch



Set the serger for a 3-needle cover stitch. Adjust settings as directed below. *Note: Model 1300MDC needs to be converted from overlock stitching to cover and chain stitching.*

Attach the Cover Stitch presser foot. Center the fabric under the presser foot. Lift the presser foot and place the fabric completely under the foot.

Turn the handwheel clockwise for the first stitch.

Serge to the end of the fabric.

At the end of the stitching, turn the handwheel counterclockwise until the needles are at their lowest position. Then turn the handwheel clockwise until the needles are at their highest position to release the threads from the looper.

Raise the presser foot and carefully remove the work. *Note: At the end of the stitching, turn the handwheel counterclockwise (toward you) until the needle is at its lowest position. Then turn the handwheel clockwise (away from you) until the needle is at its highest position to release the thread from the looper.*

Cut the thread using the thread cutter.

Adjust settings as necessary; stitch a second row of cover stitch.

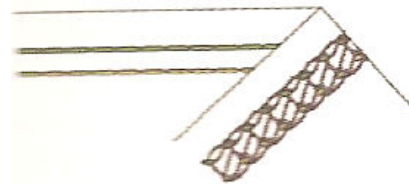


Suggested Settings

1300MDC

Left Needle	3.2
Center Needle	5
Right Needle.....	4
Looper	M
Stitch Length	3.5

Fabric: Firm fabric, 3" x 6"
Needle: 80/12 Sharp or JLx2
Thread: 3 cones serger thread
Presser Foot: Cover Stitch Foot
Stitch: Wide 2-needle cover stitch



Set the serger for a wide 2-needle cover stitch using the left and the right needles. Adjust settings as directed below. *Note: Model 1300MDC needs to be converted from overlock stitching to cover and chain stitching.*

Attach the Cover Stitch presser foot. Center the fabric under the presser foot. Lift the presser foot and place the fabric completely under the foot.

Turn the handwheel clockwise for the first stitch.

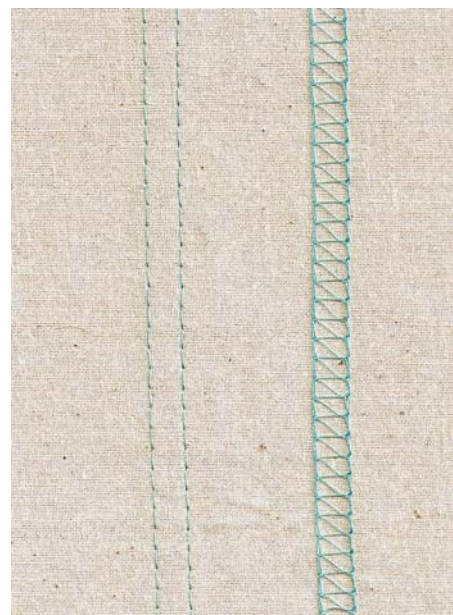
Serge to the end of the fabric.

At the end of the stitching, turn the handwheel counterclockwise until the needles are at their lowest position. Then turn the handwheel Clockwise until the needles are at their highest position to release the threads from the looper.

Raise the presser foot and carefully remove the work. *Note: At the end of the stitching, turn the handwheel counterclockwise (toward you) until the needle is at its lowest position. Then turn the handwheel clockwise (away from you) until the needle is at its highest position to release the thread from the looper.*

Cut the thread using the thread cutter.

Turn the fabric over and stitch another line of cover stitching to show both sides of the stitch on the right side of the fabric.



Suggested Settings

	009DCC	1300MDC
Left Needle.....	3-5.....	3-5
Center Needle.....	N/A.....	N/A
Right Needle	3-5.....	3-5
Looper.....	M.....	M
Stitch Length	3	3
Differential Feed	N	N

Fabric: medium weight cotton twill, 4" x 6"

Needle: 80/12 Sharp or JLx2

Thread: 3 cones of serger thread

Presser Foot: Cover Stitch Foot

Stitch: Wide 2-needle cover stitch

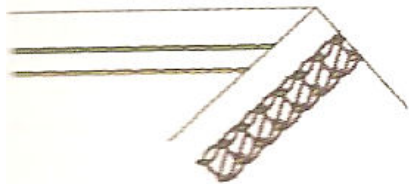
Set the serger for a wide 2-needle cover stitch using the left and the right needles. Adjust settings as directed below. *Note: Model 1300MDC needs to be converted from overlock stitching to cover and chain stitching.*

Attach the Cover Stitch presser foot.

Fold up a 2" hem along the 6" edge of the fabric. Glue stick or pin in place.

Using the markings on the stitch plate as a guide, place the fabric under the needles with the fold to the right of the presser foot, with the right side of the fabric up and the hem/wrong side down.

Cover stitch the hem in place.



Suggested Settings

	009DCC	1300MDC
Left Needle.....	3-5.....	3-5
Center Needle.....	N/A.....	N/A
Right Needle	3-5.....	3-5
Looper.....	M.....	M
Stitch Length	3	3
Differential Feed	N	N

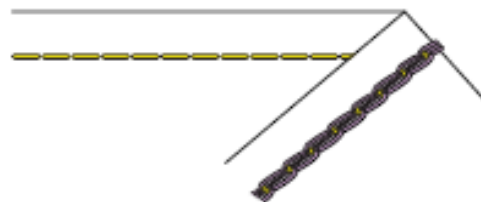
Fabric: 2 pieces medium weight cotton, each 3" x 6"

Needle: 80/12 Sharp

Thread: 2 cones of serger thread

Presser Foot: Chain Stitch Foot

Stitch: Chain



Thread the serger for a chain stitch. Adjust settings as directed below. *Note: Model 1300MDC needs to be converted from overlock stitching to cover and chain stitching.*

Attach the Chain Stitch presser foot. *Note: Model 1300MDC has an exclusive combination presser foot for overlock and chain stitch; model 009DCC has an optional chain stitch foot or the Standard presser foot may be used.*

With right sides together, place the fabric under the needles. Align the raw edges with the $\frac{5}{8}$ " mark on the stitch plate.

Turn the handwheel clockwise for the first stitch.

Serge to the end of the fabric.

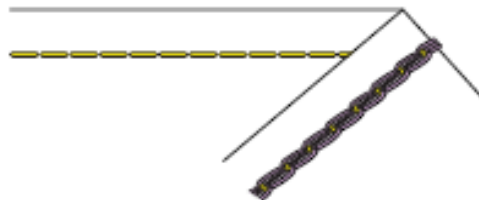
Serge 1-2 additional straight or gently curved lines of chain stitching.

Raise the presser foot and carefully remove the work. Cut the thread using the thread cutter.



Suggested Settings

	009DCC	1300MDC
Left Needle.....	N/A.....	N/A
Center Needle.....	N/A.....	N/A
Right Needle	3-5.....	3-5
Looper.....	M.....	M
Stitch Length	2.5.....	2.5
Differential Feed	N	N



Fabric: Medium weight denim, 6" x 6" and
Tear-away stabilizer, 6" x 8"

Needle: 80/12 Sharp

Thread: 1 cone of serger thread
Decorative thread such as 1 cone Yenmet metallic
thread or 1 cone Pearl Crown Rayon thread by YLI

Presser Foot: Chain Stitch Foot

Stitch: Chain stitch

Thread the serger for a chain stitch using the decorative thread in the looper. Adjust settings as directed below. *Note: Model 1300MDC needs to be converted from overlock stitching to cover and chain stitching.*

Slightly loosen the tension on the chain stitch looper.

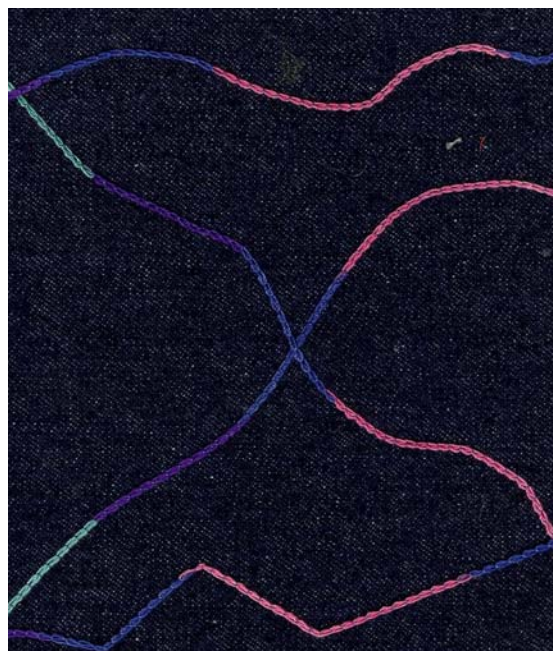
Attach the Chain Stitch presser foot. *Note: Model 1300MDC has an exclusive combination presser foot for overlock and chain stitch; model 009DCC has an optional chain stitch foot or the Standard presser foot may be used.*

Place the stabilizer against the **wrong side** of the denim. Place the denim **right side down** under the presser foot; the stabilizer will be on top.

Chain stitch a curved line across the fabric. Turn the fabric over to see the decorative stitching on the right side.

To increase the amount of decorative thread that shows, adjust the stitch length to 3mm or 4mm. Changing the stitch length as you serge will vary the decorative chain stitch effect. Always use a stitch length of *at least* 2.5mm.

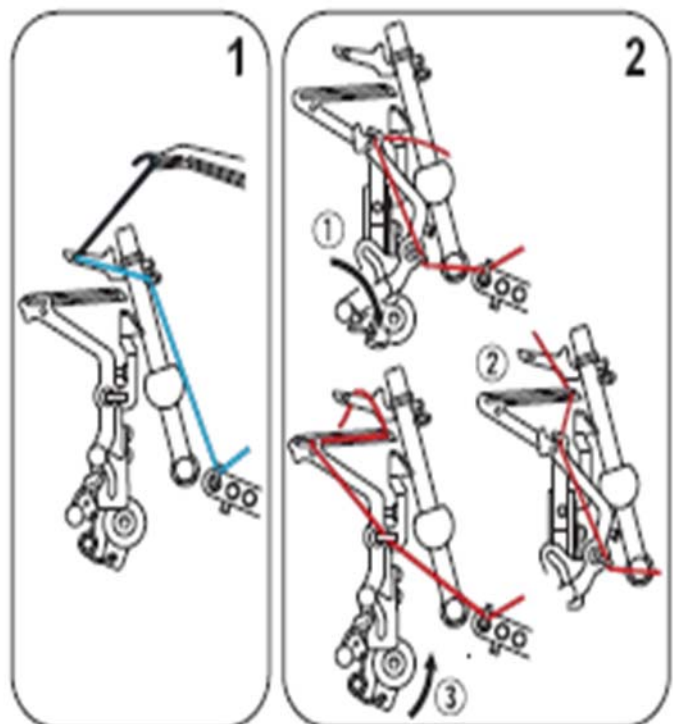
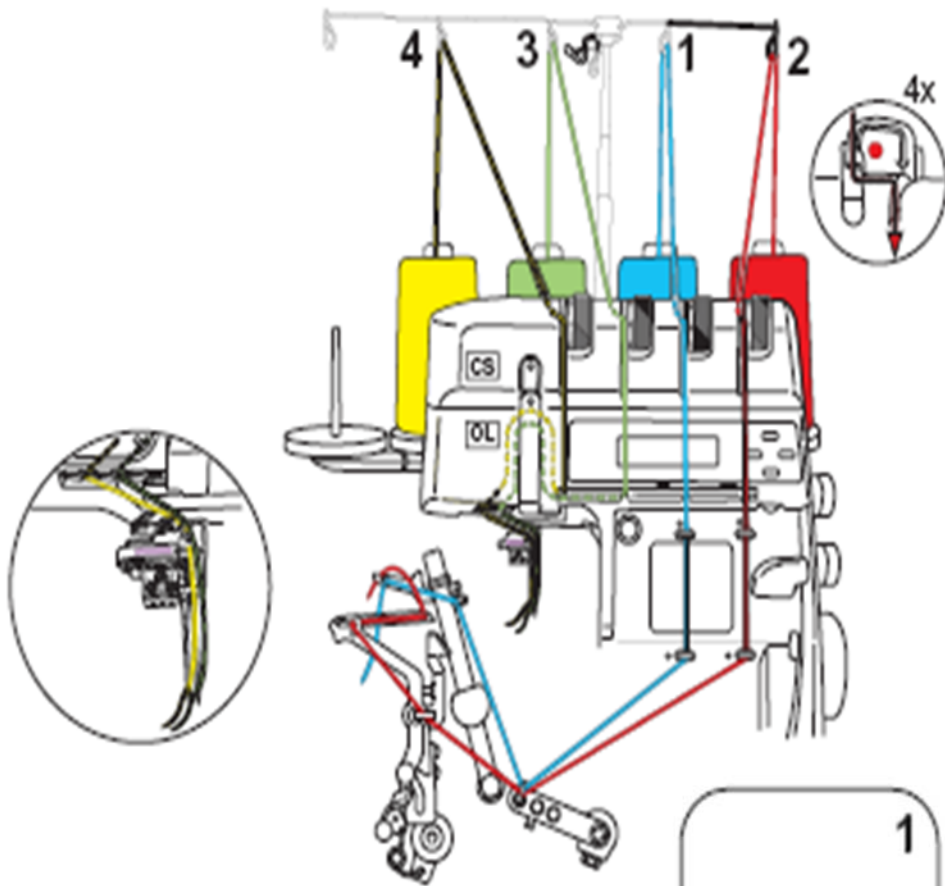
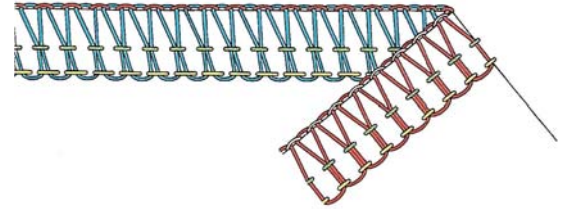
Stitch several more lines of decorative chain stitching across the fabric, using other decorative threads as desired.

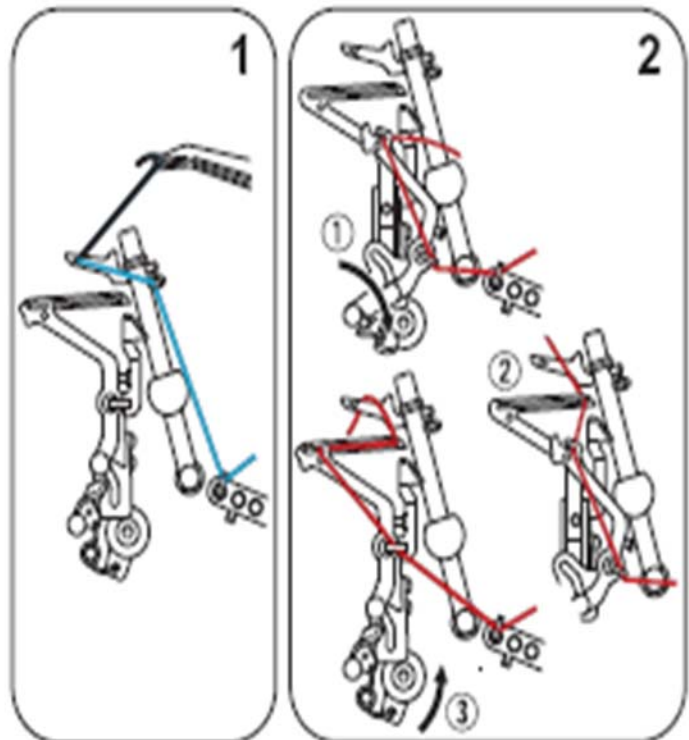
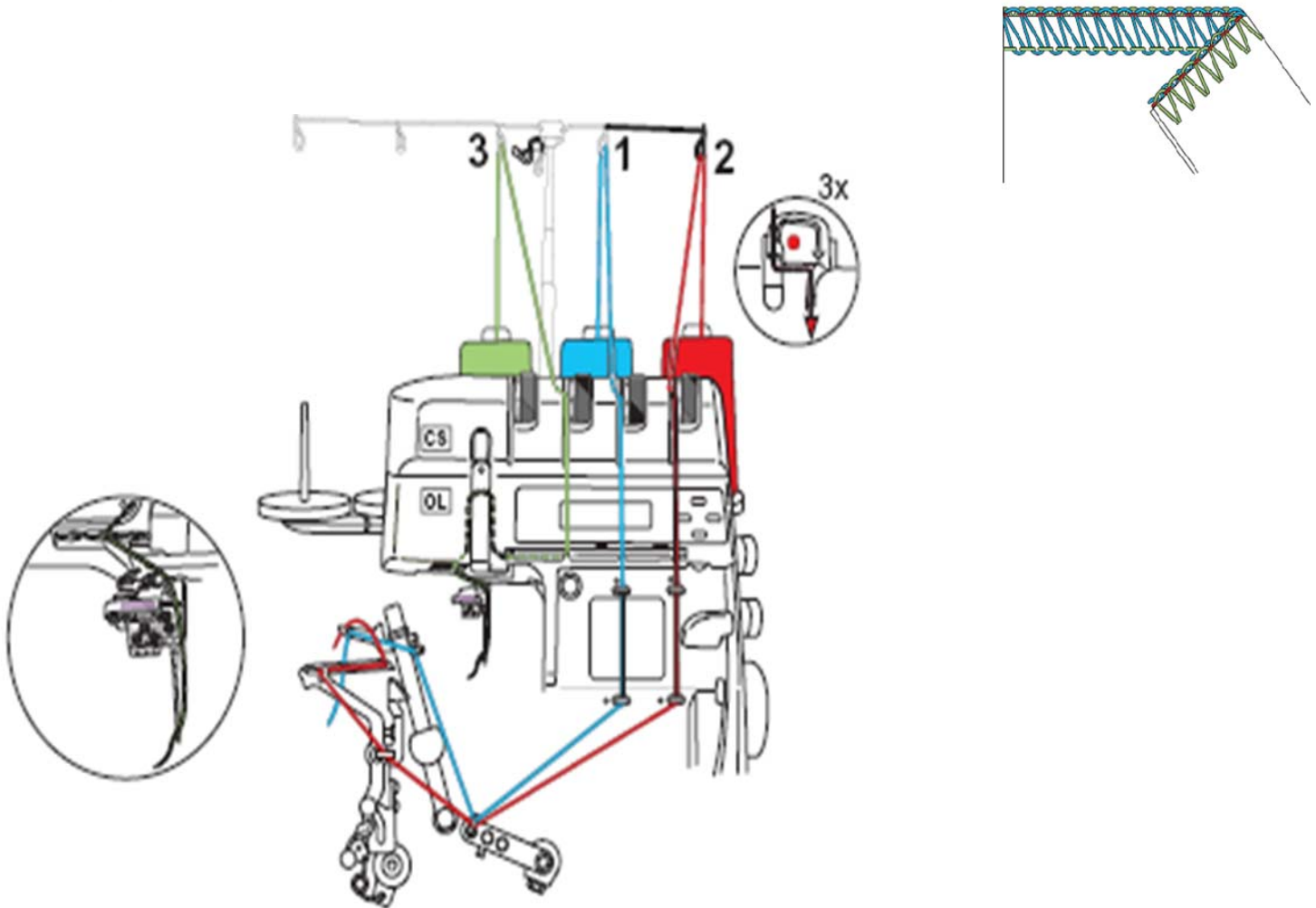


Suggested Settings

	009DCC	1300MDC
Left Needle	N/A	N/A
Center Needle	N/A	N/A
Right Needle.....	3-5	3-5
Looper	M	M
Stitch Length	2.5+	2.5+
Differential Feed	N	N

4-Thread Balanced Stitch





3-Thread Rolled Hem

