



***NX Series Sales
Demonstration and
Techniques***

Table of Contents

NX Machines

Self Leveling Zigzag Foot "J"	1
Overcasting and Mock Serging	2
Blindhemming	3
Stretch Seams	4
Buttonholes	5
Attaching and Reinforcing Pockets	6
Attaching Elastic	7
Decorative Patchwork Piecing	8
Variable Width Satin Stitching	9
Shell Tucks	10
Creating with Satin Stitch Patterns	11
Combining Decorative Stitches	12

Self-Leveling Zigzag Foot “J”

Straight stitch, left needle position (#1)

Machine Set-Up:

Thread the machine with polyester thread

Turn on the machine

Select the left needle straight stitch (default)

Change the stitch length to 3.0mm

Materials Needed:

1 piece of heavyweight fabric

Thread

Sewing Directions:

1. Fold ½” to the wrong side along one short end of the fabric and finger press. Repeat, forming a double fold hem.
2. Stitch the hem through all thicknesses, guiding the hemline along the right edge of the presser foot.
3. Fold the sample in half, right sides together. Engage the automatic backtack and scissor.
4. Position the presser foot to stitch a 5/8” seam across the hem and along the side of the fabric.
5. Raise the presser foot lever and press the black button on the left side of the foot.
6. Lower the presser foot while holding the black button in.
7. Release the button and stitch the seam. The foot will return to its normal position when it is past the thick hem.

*Sewn fabric sample is
placed here.*

Overcasting and Mock Serging

Utility stitch #12

Machine Set-Up:

Thread the machine with polyester thread
Snap the Overcasting Foot “G” onto the machine
Turn on the machine
Select overcasting stitch #12

Materials Needed:

2 pieces of fabric
Thread

Sewing Directions:

1. Use the overcasting stitch to finish one long edge of each piece of fabric. Position the edge of the fabric along the foot’s guide as you stitch.
2. Place the fabric pieces right sides together. Use the overcasting foot to seam the fabrics along their unfinished long edge.

Note: This stitch (selected as #66) can also be used with the optional side cutter.

*Sewn fabric sample is
placed here.*

Blind Hemming

Utility stitches #6 (basting) and #18

Machine Set-Up:

Thread the machine with polyester thread

Turn on the machine

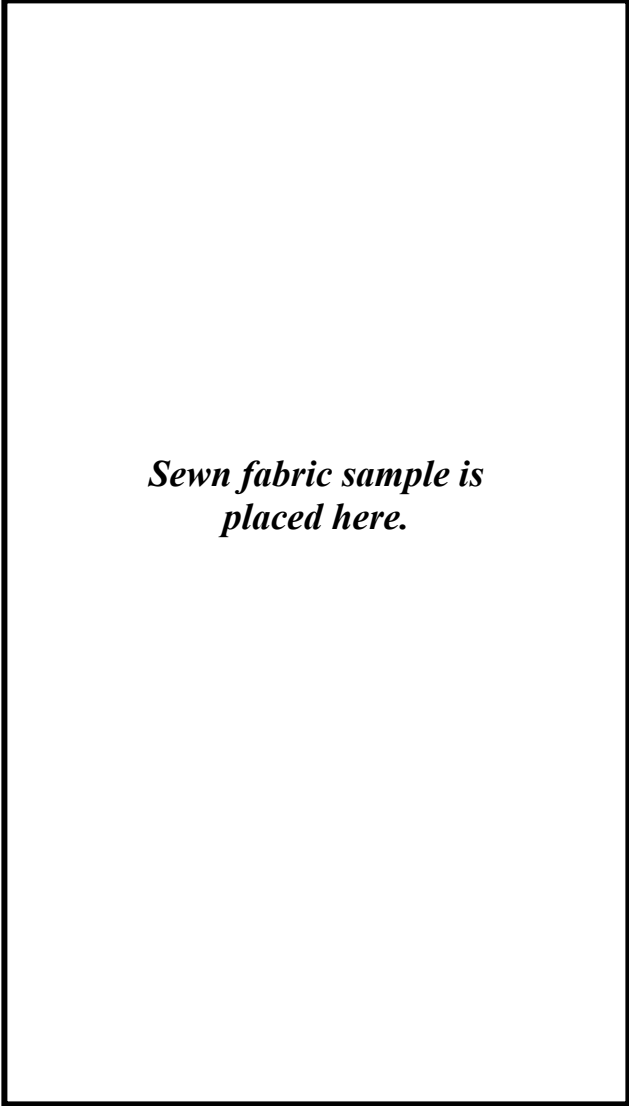
Materials Needed:

1 piece of knit fabric

Thread

Sewing Directions:

1. Begin with the “J” foot on the machine.
Select stitch #6.
2. Fold a 1½” hem to the fabric wrong side.
Baste the hem about ¼” from the raw edge.
3. Attach the blind hem foot “R.” Select
stitch #18.
4. Fold the hem back along the basting so
the raw edge extends outward. Position
the fabric wrong side up under the presser
foot. Align the folded edge of the fabric
against the presser foot’s guide and lower
the presser foot.
5. If necessary, adjust the stitch width until
the needle slightly catches the hem fold (at
the basting).
If the needle catches too much of the fold, move the needle position to the right.
If the needle does not completely catch the fold, move the needle position to the left.
6. Sew, keeping the hem fold against the presser foot guide.
7. Remove the basting. Return the hem to its proper position and press.



*Sewn fabric sample is
placed here.*

Stretch Seams

Triple stretch stitch #4

Machine Set-Up:

Thread the machine with polyester thread
Snap the “J” foot onto the machine
Turn on the machine
Select the triple stretch stitch with the button on the operations panel

Materials Needed:

2 pieces of knit fabric
1 piece woven fabric
Thread

Sewing Directions:

1. With the triple stretch stitch selected, change the width to 5.5mm. The needle will move to a position $\frac{1}{4}$ ” from the right-hand edge of the presser foot (“J”).
2. Place the two pieces of knit fabric right sides together. Seam along one lengthwise edge, using the edge of the presser foot to gauge a $\frac{1}{4}$ ” seam.
3. Fold the seamed knit crosswise and stitch a seam across the fabric grain.

Second sample:

1. Fold the woven fabric in half diagonally.
2. Stitch $\frac{1}{4}$ ” from the fold.



Sewn fabric sample is placed here.

Buttonholes

Machine Set-Up:

Thread the machine with polyester thread
Turn on the machine

Materials Needed:

2 pieces of woven fabric
1 piece of tear-away stabilizer
Marking pen

Sewing Directions:

Technique 1:

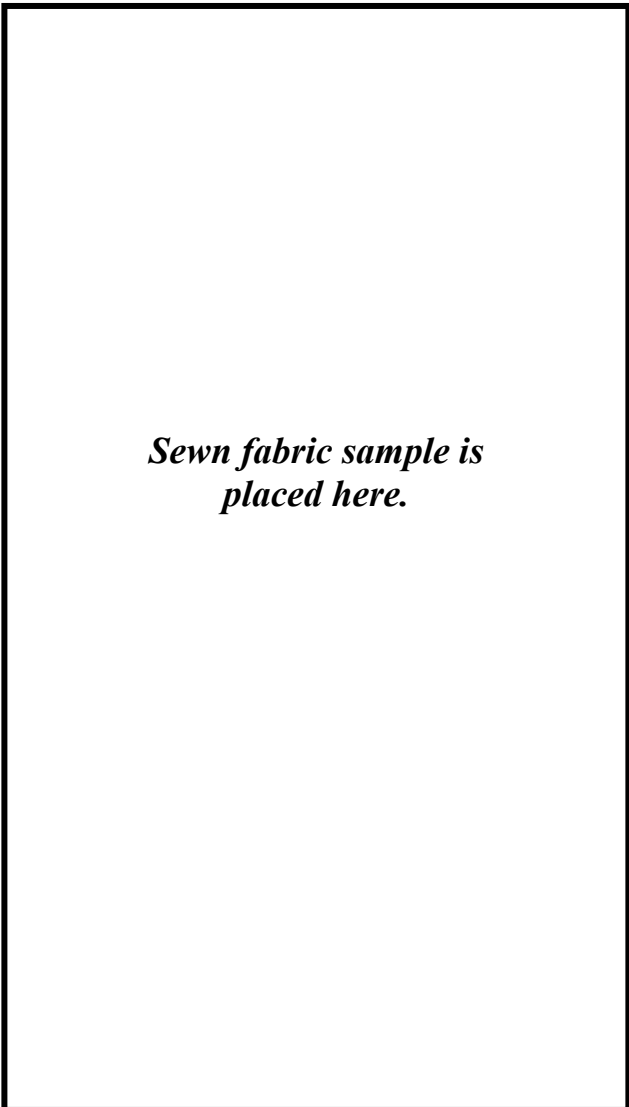
1. Use the button in the operations panel to select buttonhole sewing.
Note: Other buttonhole styles are available in the stitch menus.
2. Position a button in the buttonhole foot “A” and snap the foot onto the machine. Pull the buttonhole lever down completely.
3. Stack the two pieces of fabric wrong sides together and slide the tear-away stabilizer between the fabric layers.
4. Lower the presser foot and stitch a buttonhole near one end of the sample fabric.

Technique 2:

1. Change the stitch width to 3.0mm and the length to 0.2mm.
2. Stitch a second buttonhole beside the first.

Technique 3 – Long Buttonholes:

1. Draw a line 2” long on the folded fabric.
2. Set the width at 5.0mm and the length at 0.4mm (defaults).
3. Replace the buttonhole foot “A” with the decorative stitch foot “N.” Leave the buttonhole lever down.
4. Position the presser foot on the drawn line with the line extending toward the back of the machine.
5. Begin to stitch the buttonhole. When the stitching reaches the back of the drawn line, use your finger to push the buttonhole lever forward. The machine will change direction and stitch the next part of the buttonhole.
6. When the stitching reaches the front of the drawn line, use your finger to push the lever backward. The machine will change direction again and stitch to the back.
7. At the back of the buttonhole, push the lever forward again.
8. At the front of the buttonhole, push the lever backward again.
9. When the stitching reaches the back again, push the lever forward once more to complete the buttonhole.



*Sewn fabric sample is
placed here.*

Attaching and Reinforcing Pockets

Edgestitching with the “R” foot
Bartacks

Machine Set-Up:

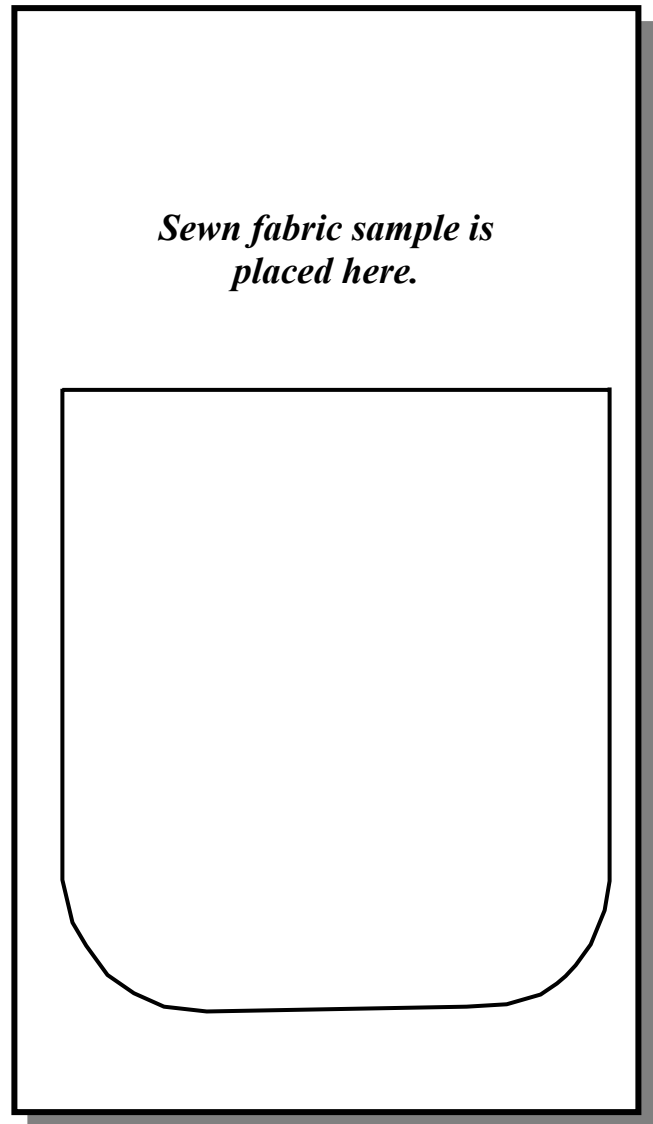
Thread the machine with polyester thread
Turn on the machine

Materials Needed:

2 pieces of fabric
Thread
Marking Pen
Pins

Sewing Directions:

1. Use the pattern at right to cut a pocket from one piece of fabric. Press under a $\frac{1}{2}$ ” hem at the top and press under $\frac{1}{4}$ ” seam allowances on the sides and bottom.
2. Pin the pocket into place on the second piece of fabric. Attach the “R” foot. Use the button on the operations panel to select the left position straight stitch with reinforcement stitching. Change the stitch width to 1.5mm. Engage the automatic backtack and scissor.
3. Beginning at the upper right edge, stitch the pocket to the second fabric piece. Keep the folded edge of the pocket against the guide on the presser foot. Stitch down the right side, across the bottom, and up the left side. Stitch slowly around the curves and backstitch when you reach the top of the pocket.
4. Change to the buttonhole foot “A.” Set the slider to approximately $\frac{1}{2}$ ” (2 marks). Lower the buttonhole lever completely.
5. Select stitch #54. Position the pocket with its opening toward you. Lower the presser foot over the topstitching along one side of the pocket. Stitch a bartack over the stitching at the pocket upper edge.
6. Repeat for the other side of the pocket.



Attaching Elastic

2-point zigzag stitch

Machine Set-Up:

Thread the machine with polyester thread

Turn on the machine

Select stitch #9

Note: Stitches #10 and #28 can be used for other fabrics.

Materials Needed:

1 piece of lightweight fabric

1 piece of elastic

Thread

Marking pen

Sewing Directions:

1. Attach zigzag foot “J.” Turn the automatic backtack and scissors off.
2. Draw a line 1” from the fabric edge. Pin the elastic to the fabric wrong side along the line.
3. Lower the presser foot. Grasp the needle thread and touch the needle position button twice to raise the bobbin thread.
4. Use the button on the operations panel to select the straight stitch, center position. While holding the needle and bobbin threads, take 3-4 stitches through the elastic at the leading edge of the fabric.
5. Select stitch #9. Change the width to 7.0mm. Grasp and hold the threads in back and the elastic in front to stretch the elastic as you sew the remaining elastic to the fabric.
6. Touch and hold the backtack button to tie off the threads. Touch the scissor button to cut the threads.

Sewn fabric sample is placed here.

Decorative Patchwork Piecing

Machine Set-Up:

Thread the machine
Turn on the machine

Materials Needed:


2 pieces of calico fabric
Optional: fabric glue stick

Sewing Directions:

1. Cut one piece of fabric in half. Overlap the two pieces $\frac{1}{4}$ ". Use a small amount of fabric glue to baste the fabrics, if desired.
2. Set the machine for stitch #23. Change the width to 7.0mm. Attach zigzag foot "J."
3. Stitch along the overlapped seam, covering the fabric raw edges on both the right and wrong sides.

Technique 2:

1. Cut the second piece of fabric in half. Place the two halves right sides together and stitch a $\frac{1}{4}$ " seam. Use stitch #1, width 5.5mm. Press the seam open.
2. Switch to stitch #23 or #24. With the fabric right side up, stitch over the seam with the center of the presser foot ("J") aligned with the seam.



*Sewn fabric sample is
placed here.*

Variable Width Satin Stitching

Machine Set-Up:

Thread the machine with polyester thread
Turn on the machine
Connect the foot controller

Materials Needed:

1 piece of fabric
1 piece of tear-away stabilizer

Sewing Directions:

1. Press the Settings key in the Operation Panel. Use the arrow keys to navigate to #12 – the picture of a zigzag stitch above the sewing speed controller (slider). Press “OK.”
2. Press the left arrow to select “ON,” then press “OK.”
3. Select stitch #60. Change the stitch length to 0.4mm.
4. Place the stabilizer under the fabric and begin sewing. While sewing, slide the sewing speed controller from left to right to vary the stitch width.
5. After sewing, repeat steps 1 and 2, selecting “OFF” instead of “ON” to return the slider to its speed control function.

*Sewn fabric sample is
placed here.*

Shell Tucks

Utility stitch #20

Machine Set-Up:

Thread the machine with polyester thread
Turn on the machine

Materials Needed:

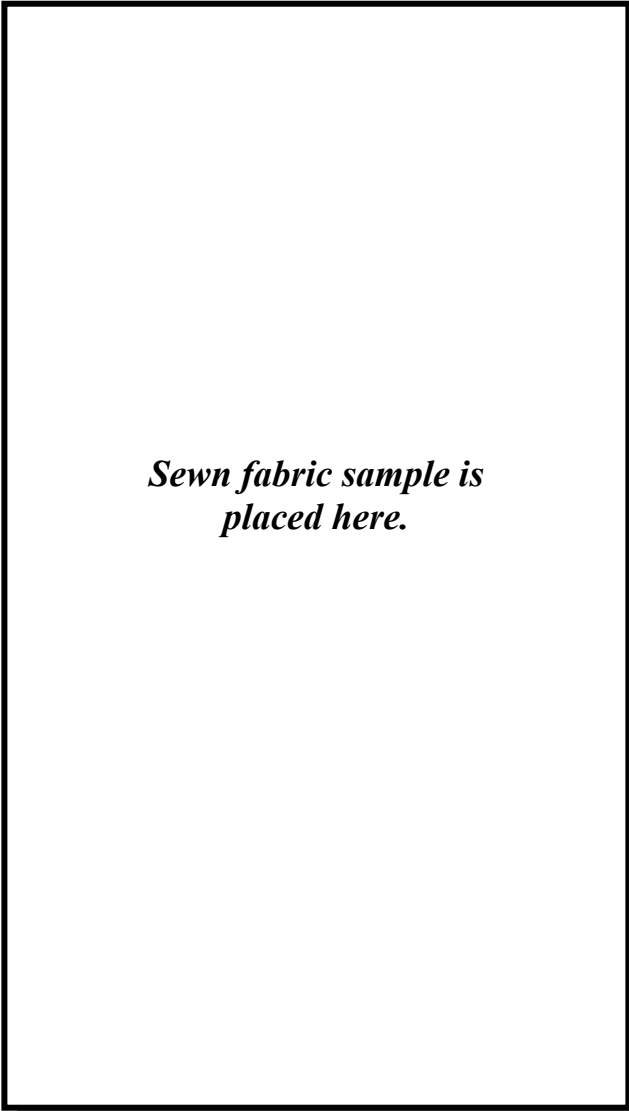
1 piece of woven fabric
1 piece of knit fabric

Sewing Directions:

1. Attach zigzag foot “J.” Select stitch #20 from the utility stitches. Increase the tension to 6.
2. Fold the woven fabric on the diagonal, wrong sides together.
3. Position the folded fabric under the presser foot so the right swing of the needle drops just off the fabric fold. Stitch.
4. Unfold the fabric and press the tuck to one side.

Second sample:

1. Fold a ½” hem allowance to the wrong side across the grain of the knit fabric.
2. Increase the tension to 8.
3. Position the folded fabric as before and stitch to create a shell edging.



*Sewn fabric sample is
placed here.*

Creating with Satin Stitch Patterns

Using satin stitch patterns to create a design

Machine Set-Up:

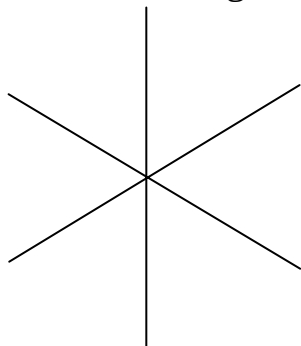
Thread the machine with polyester thread
Attach presser foot “N”
Turn on the machine

Materials Needed:

1 piece of woven fabric
1 piece of tear-away stabilizer
Contrasting color thread
Marking pen

Sewing Directions:

1. Press the stitch selection key. Use the arrow keys to highlight the satin stitch icon. Press “OK.”
2. Use the arrow keys to select stitch #10. Set the width at 7.0mm, the length at 0.2mm.
3. Press the settings key in the operations panel and use the arrow keys to select the pattern length function (#5). Press “OK.”
4. Use the arrow keys to select a pattern length of 5, then press “OK.”
5. Press the settings key in the operations panel and use the arrow keys to select the single pattern function (#7). Press “OK.” Use the arrows to select the single pattern, then press “OK” again.
6. Press the + key on the operations panel. Repeat the steps above to select stitch #9 with a pattern length of 4.
7. Press the + key on the operations panel. Repeat the steps to select stitch #9 again, this time with a pattern length of 1.
8. Press the settings key in the operations panel and use the arrow keys to select the pattern check function. Press “OK.” Check your combined stitch pattern.
9. Press “OK” again to prepare for sewing. Engage the automatic backtack and scissors.
10. Draw 3 intersecting lines (as shown) in the center of the fabric. Place the stabilizer under the fabric.
11. Beginning at the center where the lines intersect, stitch a single repeat of the decorative stitch pattern along one of the lines.
12. Repeat along each of the lines, starting each leg of the snowflake at the center.



Sewn fabric sample is placed here.

Combining Decorative Stitches

Using the single and multiple repeat functions and mirror imaging

Machine Set-Up:

Thread the machine with polyester thread
Attach presser foot “N”
Turn on the machine

Materials Needed:

1 piece of woven fabric
1 piece of tear-away stabilizer
Contrasting color thread

Sewing Directions:

1. Press the stitch selection key. Use the arrow keys to highlight the decorative stitch icon. Press “OK.”
2. Use the arrow keys to select stitch #11. Touch “OK.”
3. Press the settings key in the operations panel and use the arrow keys to select the single pattern function (#7). Press “OK.” Use the arrows to select the single pattern, then press “OK” again.
4. Press the + key on the operations panel. Repeat the steps above to select stitch #11 again.
5. Press the settings key to select the mirror imaging function (#4). Press “OK.” Use the arrows to select “ON,” then press “OK” again.
6. Place the stabilizer under the fabric and stitch your pattern. Notice that the alternating pattern and mirror image stitch just once, then the machine stops.
7. With the combined pattern on screen, press the settings key in the operations panel and use the arrow keys to select the single pattern function. Press “OK.” Use the arrows to select the repeating pattern, then press “OK” again.
8. Stitch your pattern again. Notice that the alternating pattern and mirror image now stitch repeatedly across the fabric.

Sewn fabric sample is placed here.