BERNINA 8 Series

Birds & Blooms Sampler

Created by Nina McVeigh

ABC...A is for Amazing Embroidery, B is for BERNINA 830 and C is for Creative Accessories...

Use this winning formula to create our Birds & Blooms Sampler Quilt featuring embroidery designs from the Bird & Blooms - BERNINA Exclusive Embroidery Collection #82002 along with companion BENARTEX fabrics.

The BERNINA 830, with its Jumbo Hoop for embroidery, compatibility with the CutWork Tool for appliqué and BERNINA Dual Feed for construction, makes this the perfect machine for this project.

54" X 62" Finished Quilt Size

Supplies

Machine & Accessories
- BERNINA 830 Sewing & Embroidery Machine
- BERNINA Embroidery Software 6
- Jumbo Hoop
- Mega Hoop
- Large Oval Hoop
- Teardrop Embroidery Foot #26
- CutWork Tool & Echo Quilting/CutWork Foot #44
- BERNINA 830 Straight Stitch/CutWork Stitch Plate
- Open Embroidery Foot #20D
- BERNINA Stitch Regulator
- Edgestitch Foot #10D
- Bias Binder Attachment #88 (28mm) and Foot #95C
- Patchwork Foot #37D or with Guide #57D
- Walking Foot with Center Guide Sole

Embroidery Design Collection
- BERNINA Exclusive Birds and Blooms Embroidery Collection #82002

Threads
- Isacord Thread as per designs
- 50 wt Cotton Thread for piecing
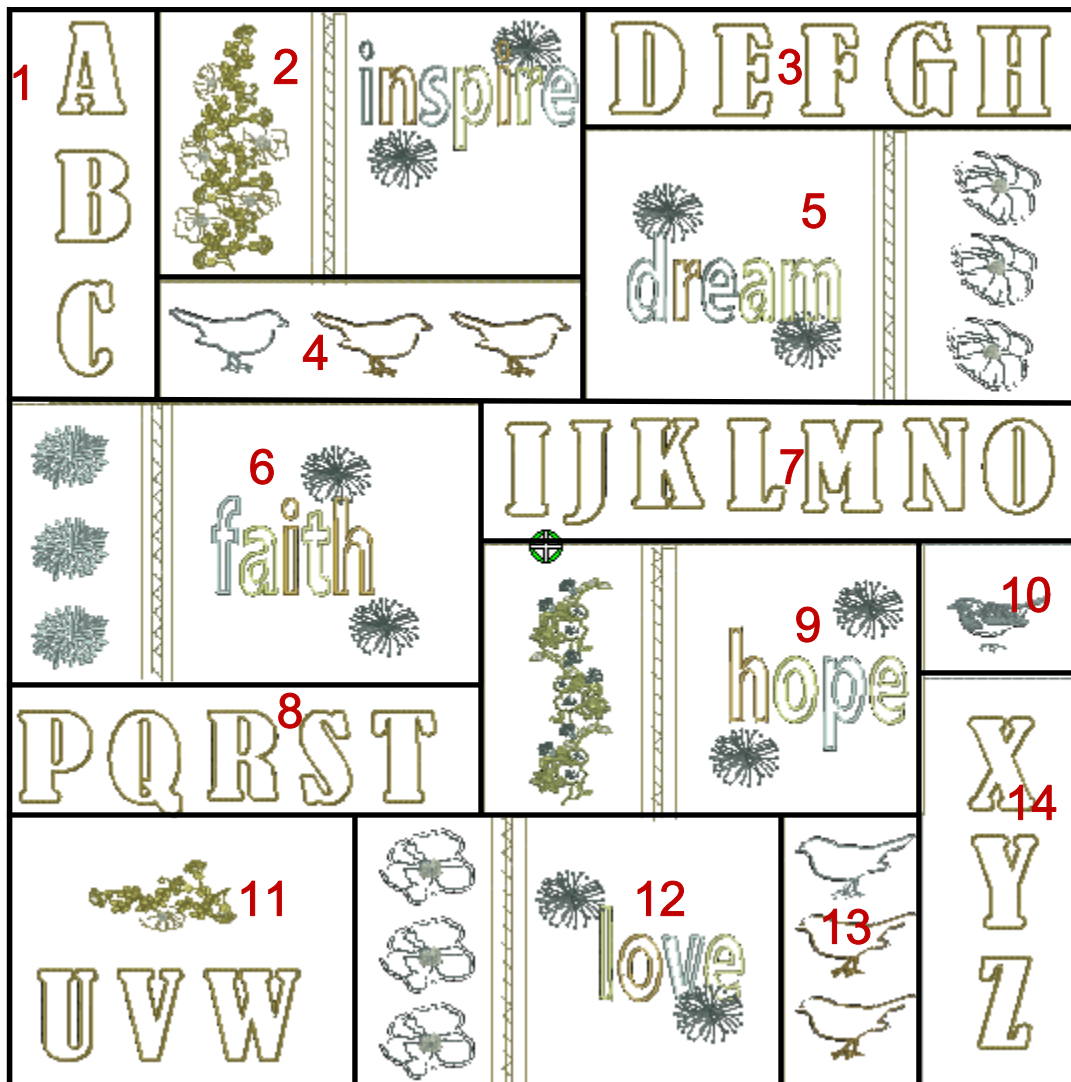- Bobbin Thread for embroidery

Fabric & Notions
- 3 ¾ yds Borders and Binding (2492-44)
- 3 ½ yds Backing (2493-09)
- 4 yds White for Appliqués and Background
- ¼ yd brown, light blue, & green solids for appliqués
- ¼ yd of 2 prints for appliqués (2493-05, 2494-55)
- ½ yd teal solid for inner border
- Batting 60" X 70"
- Steam a Seam Lite 2
- OESD PolyMesh Cut Away Stabilizer
- OESD Ultra Clean & Tear Away Stabilizer
- OESD Hydro-Stick Tear Away Stabilizer
- Microtex Needles - Size 70
- Organ Embroidery Needles - Size 80 sharps
- 1 pkg medium size Rick Rack
- Seed Beads
- Water Soluble Marker
- Rotary Cutting Equipment

Cutting

Fabrics are cut first to fit in the Mega Hoop and the Jumbo Hoop and will be cut to size later.

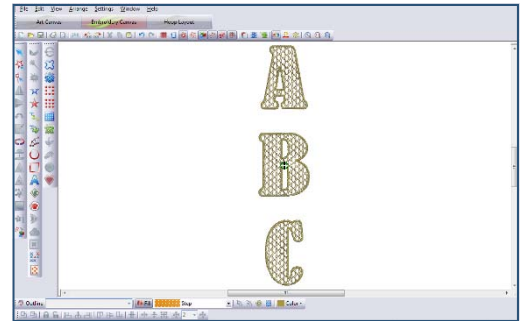|		Cut Size pre Embroidery	Final Cut Size	Sewn Size
Block	1	11" X 22"	6" X 16 ½"	5 1/2" X 16"
Block	2	16" X 22"	15" X 11 ½"	14 1/2" X 11"
Block	3	11" X 22"	16 1/2" X 6 ½"	16" X 6"
Block	4	11" X 22"	15" X 5 ½"	14 1/2" X 5"
Block	5	16" X 22"	16 1/2" X 10 ½"	16" X 10"
Block	6	16" X 22"	16 1/2" X 11 ½"	16" X 11"
Block	7	11" X 26"	6 1/2" X 20 ½"	6" X 20"
Block	8	11" X 22"	16 1/2" X 6 ½"	16" X 6"
Block	9	16" X 22"	11 1/2" X 15"	11" X 14 ½"
Block	10	11" X 15"	6" X 5 ½"	5 1/2" X 5 "
Block	11	16" X 22"	11 1/2" X 11 ½"	11" X 11"
Block	12	16" X 22"	14 1/2" X 11 ½"	14" X 11"
Block	13	11" X 22"	6" X 11 ½"	5 1/2" X 11"
Block	14	11" X 22"	6" X 17 ½"	5 1/2" X 17

Getting Started
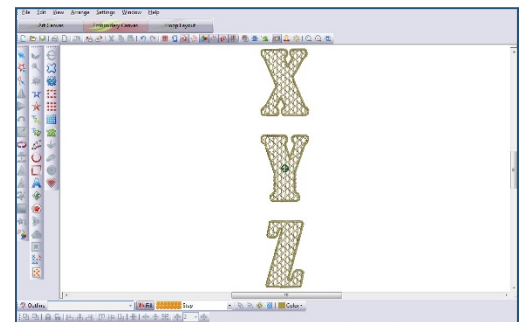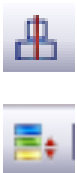
Setting up Designs for Embroidery

Block 1

- In Embroidery Software, open the letter A, design #82002-36.
- Insert letter B, design #82002-37, position below the A.
- Insert letter C, design #82002-38, position below the B.
- Select all 3 letters, drag the corner icon to size down to 70%*.
- From the View menu, use the measuring tool to position the letters approximately 1.3" apart.
- The entire design should be 13.62" in height.
- Select all three letters and choose Align Centers Vertically.
- With letters still selected, select Thread Sequence Control > OK.
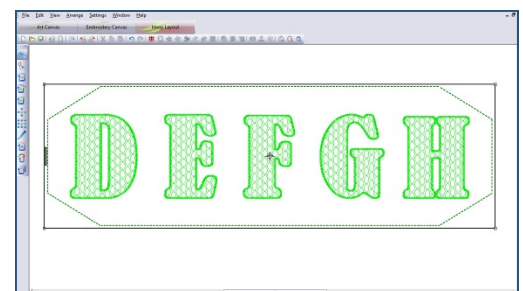- Save the design on a USB Stick for the machine of your choice.

Block 14

- Create Block 14 just as Block 1 was created.
- In Embroidery Software, open letter X, design #82002-59.
- Insert letter Y and then letter Z.
- Select all 3 letters and decrease by 70%* .
- Space letters 1" apart, then select all 3 and align vertical centers.
- Entire design should measure 12.91" in height.
- With letters still selected, select Thread Sequence Control > OK.
- Save the design on a USB Stick for the machine of your choice.

Block 3

- In Embroidery Software, open the letter D, design #82002-39.
- Insert the letters E, F, G, and H.
- Select all the letters, drag the corner icon to size down to 70%*.
- Space the letters about 1" apart so entire length of the design is 14.18".
- Align the letters using Align Bottom (Horizontal).
- With letters still selected, select Thread Sequence Control > OK.
- Select the Mega Hoop.

  | Hoop Layout |

  - Go to the Hoop Layout tab and rotate hoop. (If you rotate the design instead of the hoop the direction of the fill does not rotate.)
- Save the design on a USB Stick for the machine of your choice.

  *All sizing for the appliqué designs with the stitch overlay should be done with the Sizing Handles not from the Object Properties Menu.

Block 8

- Set up as previous block using letters P,Q,R,S and T, resize to 70%* and align bottoms.
- When spaced out the width should measure 13.86".
- Select all, select Thread Sequence Control > OK.

  Hoop Layout • Go to the Hoop Layout tab and rotate hoop.

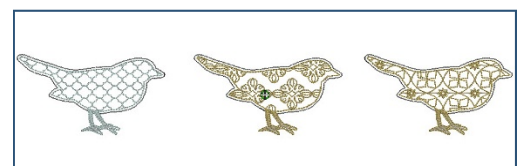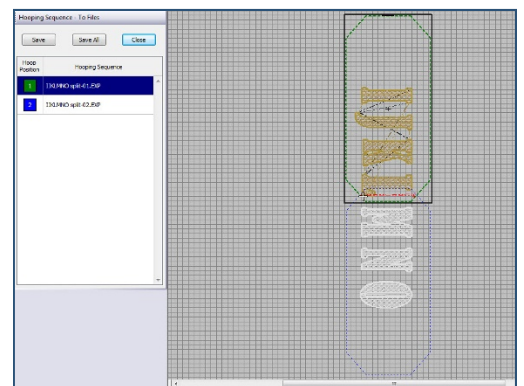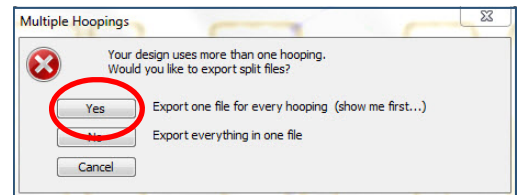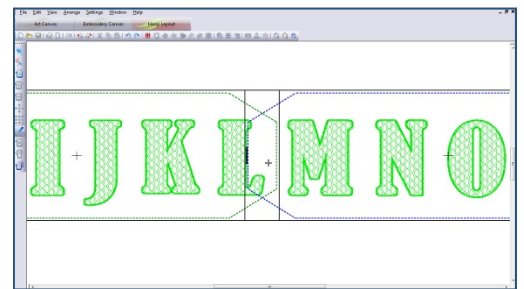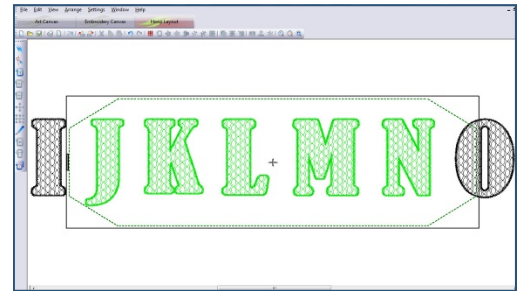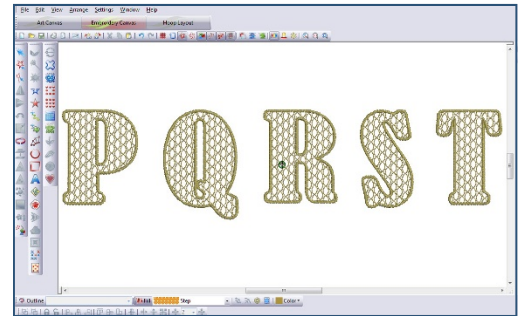- Save the design on a USB Stick for the machine of your choice.

Block 7

- Set up as previous block using letters I,J,K,L,M,N and O.
- When spaced out, the width should measure 18.75".
- Select letters > Thread Sequence Control > OK
- Go to the Hoop Layout tab and rotate hoop.
- Move hoop to the left so that IJKL are highlighted.
- Add a hoop to the right and move it so that MNO are highlighted.
- Select Calculate Hoopings.
- Save the design on a USB Stick for the machine of your choice. When you save the design a box will appear asking if you want to save one file or if you want to save a file for each hooping. You will want to say choose YES to save a file for each hooping. A screen will then appear which will show you both files, including the registration marks, and give you the option to save the files individually or to save both at the same time. Save both files.

Block 4

- Open Design #82002-3 and rotate.
- Insert Design #82002-2 , rotate and place to the right of the first design.
- Insert Design #82002-4 , rotate and place to the right of the second design.
- Select all three designs and using the sizing handles, resize to 70%*.
- Select birds > Thread Sequence Control > OK.
- Space the birds approximately .7" apart using the measuring tool.
- When finished the design should measure W12.90" X H2.50".
- Save the design on a USB Stick for the machine of your choice.

  *All sizing for the appliqué designs with the stitch overlay should be done with the Sizing Handles not from the Object Properties Menu.

Block 2

- Open Design #82002-20.
- Select the design and resize to 70%*.
- Right click on the design and drag a copy above the original.
- Insert Design #82002-31.
- Arrange the first design so it is similar to photo.
- Insert Design #82002-67.
- Select the inserted design and resize to 70%.
- After the floral spray has been placed at the end of the word as pictured, use the measuring tool to set it approximately 2.4" away from the word "inspire".
- The entire embroidery design should measure W9.55" X H13.41".
- Select All > Thread Sequence Control > OK.
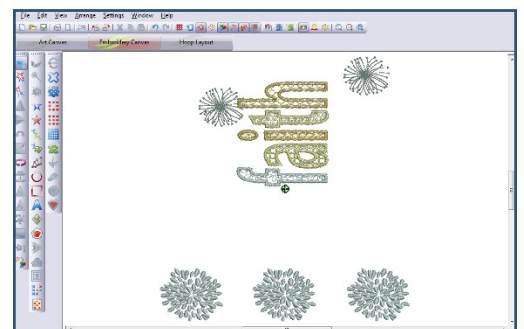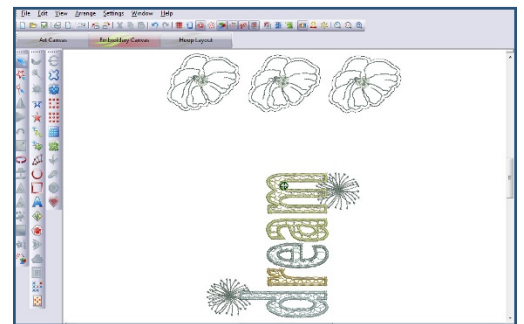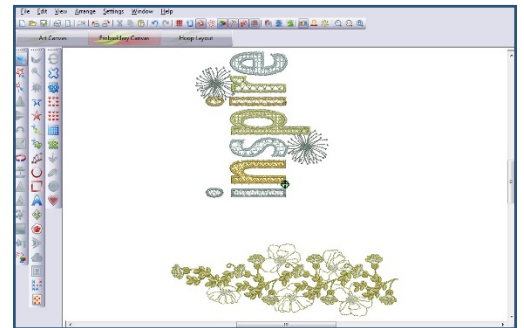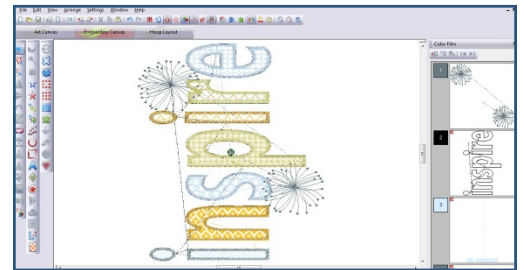- Save the design on a USB stick for the machine of your choice.

Block 5

- Set up the "dream" design just as the "inspire" design was set up, beginning with design #82002-20 and inserting design #82002-32.
- Insert Design #82002-10.
- Select design and move it to the top of the end of the word "dream".
- With the design selected decrease the size to 70%.
- Select the red arrow side of the rotate icon and use two right clicks to rotate the design 90 degrees.
- Select right/left mirror image.
- Right click on the selected design and drag a new image into the center position.
- Select the new image, right click on the image and drag a new image to the lower position.
- With all three images selected, align centers horizontally.
- Space the flowers approximately .5" apart.
- Position the row of flowers about 3" from the end of the word "dream".
- The design should be approximately W9.22" X H12.54".
- Select All > Thread Sequence Control > OK.
- Save the design on a USB stick for the machine of your choice.

Block 6

- Set up Design #82002-20 with design #82002-35 (faith) just as you did block 2 and 5.
- Insert Design #82002-19. Create a row of three spaced about 1.2" apart. Align row and set it 3.7" from the letter "f".
- The design should be approximately W9.43" X H12.00".
- Select All > Thread Sequence Control > OK.
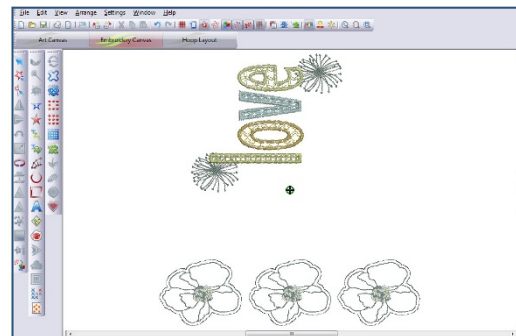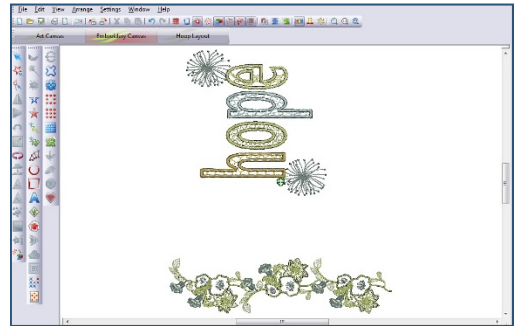- Save the design on a USB stick for the machine of your choice.

Block 9

- Arrange the word "hope"(82002-33) with Design #82002-20 as in previous word blocks.
- Insert design #82002-06. With the inserted design selected rotate 90 degrees. Resize the design to 70%.
- Right click and drag on the image to create a second and then a third. Mirror image the center floral spray.
- Move the three images. Overlapping them as shown. The completed spray should be approximately 8.85" long.
- Position the spray approximately 4" from the letter "h".
- The entire design should measure W8.85" X H12.56"
- Select All > Thread Sequence Control > OK.
- Save the design on a USB stick for the machine of your choice.
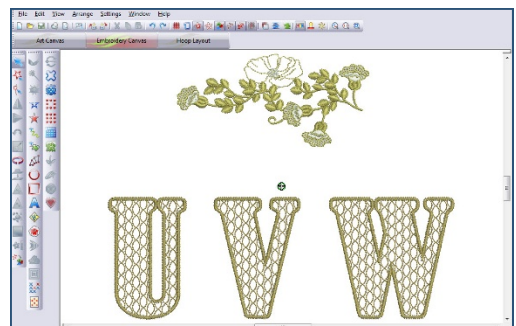
Block 12

- Arrange the word "love"(82002-34) with design #82002-20 as in previous word blocks.
- Insert design #82002-09. Select the new design and size to 70%.
- Right click and drag on the new design to create three flowers in a row. Align centers. Space the flowers approximately .3" apart.
- Place the row of flowers about 4.25" from the letter "l".
- The entire design should measure W9.67" X H12.09".
- Select All > Thread Sequence Control > OK.
- Save the design on a USB stick for the machine of your choice.

Block 11

- Open Design #82002-56, insert Designs #82002-57 and #82002-58.
- Select all the letters, drag the corner icon to size down to 70%.
- Space the letters about 1" apart so entire length of the design measures 8.5"
- With all three letters selected align bottoms horizontally.
- Insert design #82002-67.
- Select design and rotate 90 degrees.
- With inserted design selected, ungroup. Select the bottom portion of the floral spray by drawing a box around and delete. You may need to clean up the design by deleting pieces that did not fall within the drawn box.
- Draw a box around the remainder of the design and group.
- Up/Down mirror image the design.
- Resize to 80%.
- Position the floral spray 1.5" above the letters.
- The entire design should measure W8.50" X H7.80".
- Select All > Thread Sequence Control > OK.
- Save the design on a USB stick for the machine of your choice.

Block 10

- Open Design #82002-01. Resize to 70%*.
- Save the design on a USB stick for the machine of your choice.

Block 13

- Open Design #82002-03. Rotate 90 degrees.
- Insert Design #82002-04. Rotate 90 degrees. Place below first design.
- Insert Design #82002-02. Rotate 90 degrees. Place below second design.
- Select all three birds; using the sizing handles, resize to 70%*.
- Right/Left Mirror Image all three birds.
- With all three birds selected align centers vertically. Space the birds about 1" apart.
- Design should measure W3.87" X H8.80".
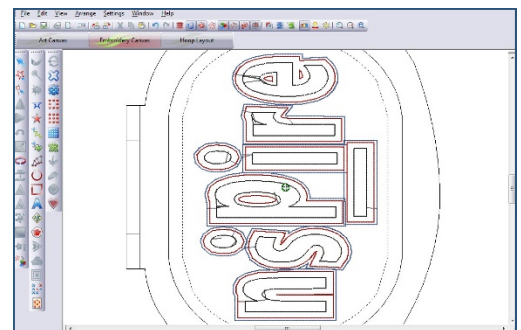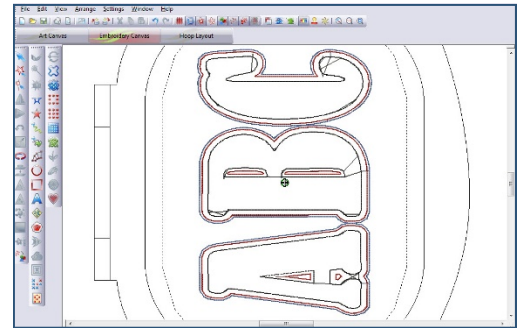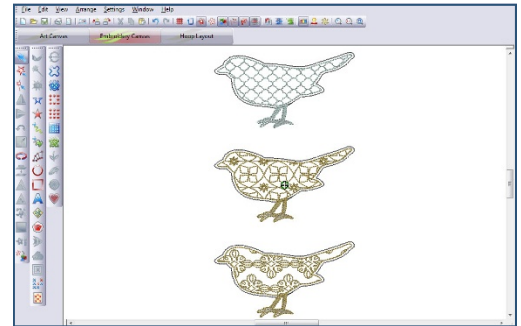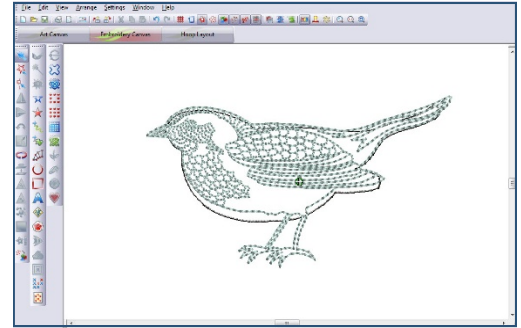- Save the design on a USB stick for the machine of your choice.

Setting up CutWork for Designs

Before any of the embroidery can be done, the CutWork files need to be set up for each of the designs. All the capitol letters, all the words, all the birds, and the flowers in blocks 5, 9 and 12 have appliqués done with CutWork.

The numbers of the design files in the CutWork Folder correspond to the numbers of the Embroidery Designs. All the letters for a particular word end in the corresponding number for that word. For example: The word love is design #82002-34 and all the letters for that word have the same file number.

- Go to the CWA files to find the cutwork files for each design. Starting with the capitol letters combine as many CutWork files as will fit in the large oval hoop. For the letters you will be able to get 3 to 4 letters in each hooping. It is okay if the stitching lines touch or slightly overlap.
- **Resize the CutWork** files to whatever the corresponding embroidery design has been sized to.
- Select all the letters or objects in the hoop and then Thread Sequence Control > OK
- Save each CutWork design on a USB stick for the machine of your choice.

*All sizing for the appliqué designs with the stitch overlay should be done with the Sizing Handles not from the Object Properties Menu.

CutWork

- Prepare fabric for CutWork by cutting into 6" X 9" pieces.
- Spray starch the cut pieces
- Back pieces with the Steam a Seam Lite 2
- Hoop Hydro Stick in Large Oval hoop
- Lay prepared fabric on top of the Hydro-Stick, you may want to add an additional piece of Hydro-Stick on top of the hoop. Use the basting box to hold in place .
- All capital letters were cut from the white fabric.
- If you would like different fabrics in one word, instead of cutting out in different hoopings, stack several fabrics in the hoop and cut all the letters at the same time. This will give you extra letters for future projects.
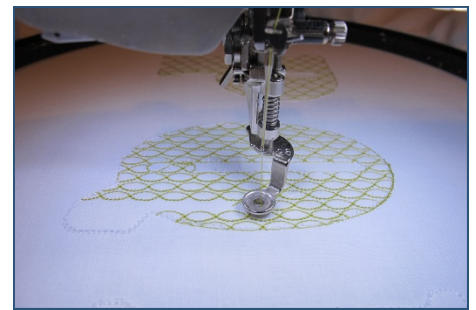
Embroidering the Blocks

- Hoop the fabric for each block with the PolyMesh Stabilizer and then the Ultra Clean & Tear using the Jumbo Hoop.
- Embroider.

When embroidery is complete, remove all stabilizer and press from the back side.

Adding Bias Trim

- Cut 5 pieces of bias from the white fabric, 1 1/8" wide and 18" long.
- Attach the Bias Binder to the bed of the machine and the Bias Binder foot #95C to the machine.
- Insert the #70 Microtex Needle
- Load fabric into the Bias Binder and stitch a few inches to check needle position (move needle to the right) and to make sure everything is flowing smoothly.
- Insert the Rick Rack trim and bind one edge, keeping the Rick Rack even.
- The Rick Rack trim will be added to the 5 word blocks.
- Draw a line midway between the word and the design on the end of each block.
- Remove the Bias Binder and Foot and attach Edge Stitching Foot #10D. Engage Dual Feed.
- Place edge of Bias along drawn line. Rick Rack will face the word.
- Place the piece under the foot so that the bias edge is to the left of the guide in the center of the foot.
- Move the needle position 2-3 position to the left and stitch trim in place.

Putting it all Together

- Centering the design, cut the blocks to the "Final Cut Size" according to page 2.
- Attach Patchwork Foot #37D or with Guide #57D. Engage Dual Feed.
- Refer to the diagram on page 2 to piece the quilt together.
- Seam together Blocks 2 and 4, and 3 and 5. Press seam allowance away from the blocks with the rick rack.
- Seam these two units together, then add Block 1.
- Seam Blocks 6 and 8
- Seam Blocks 7 and 9. Block 7 is longer than block 9. Starting from the left end of these blocks, seam about 8" leaving the right end open.
- Seam Blocks 11, 12 and 13. Seam this unit to the previous one.
- Seam Blocks 10 and 14. Add to the end of the previous unit.
- Finish sewing the seam between Blocks 7 and 9, including Block 10 in the seam.
- Seam the upper unit to the lower unit.

Borders

- Cut 6 strips 1 1/2" wide from the Teal fabric. Seam 1 strip to the top and 1 strip to the bottom edge of the quilt leaving the corners open for mitering.
- Sew a mitered seam, seaming two strips together for each side.
- Add to each side of the quilt, again leaving the corners open.
- Cut 3-8 1/2" wide outer border strips. Seam the three strips with a mitered seam. Cut the sewn strip in half and attach to the upper and lower ends of the quilt, centering to first border.
- Fussy Cut the two side borders 8 1/2" wide X 70" long from the length of the fabric to take advantage of the birds in the print.
- Seam to the sides, centering to first border.
- Miter the corners of the borders.

Quilting the Quilt

- Seam the backing to fit back of quilt.
- Layer backing, batting and quilt top and baste.
- Place all three layers in the Jumbo Hoop.
- Randomly quilt Design #82002-20 (small) and Design #82002-62 (large) on the quilt. Use both the large and small design so that they may easily be sized to what ever size you desire.
- Attach the BERNINA Stitch Regulator and stipple the background of the quilt center, quilting around the designs.
- Attach the walking foot with the Center Guide sole. Place the guide in the inner seam of the first border and stitch in the ditch. Repeat for the outer seam of the first border.
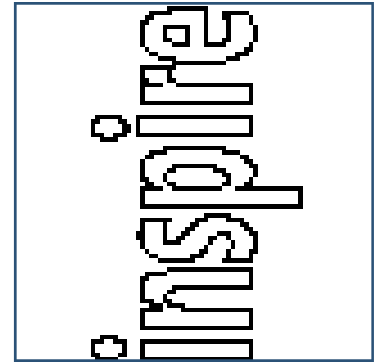- Attach the Open Embroidery foot #20D and engage Dual Feed.

- Select Stitch #4. Increase the width to 9 and the length to 3.
- Stitch two rows of this stitch in the narrow first border. Do not worry about the second row matching the first row.
- The outside border is quilted with the words used in the blocks of the quilt. Set up these files by opening one of the word designs such as inspire Design #82002-31. Select the design and then ungroup it. From the color bar select all the colors except the first one and delete. This will give you an outline of each letter. Save the file on a USB stick for the machine of your choice. Repeat this process for each word and save.
- Randomly quilt the words in the border.
- Attach the BERNINA Stitch Regulator and finish quilting the rest of the border.
- Sew a small seed bead in each point of the Rick Rack.

Binding

- Cut binding strips 2 ½" wide. Seam ends together with a mitered seam until you have about 250" of binding.
- Stitch binding to the right side of the quilt, checking that the seam allowance you use (slightly less than ⅜") is enough to fill the binding.
- Turn to the back and stitch in place.

Available exclusively at your local BERNINA Dealer!