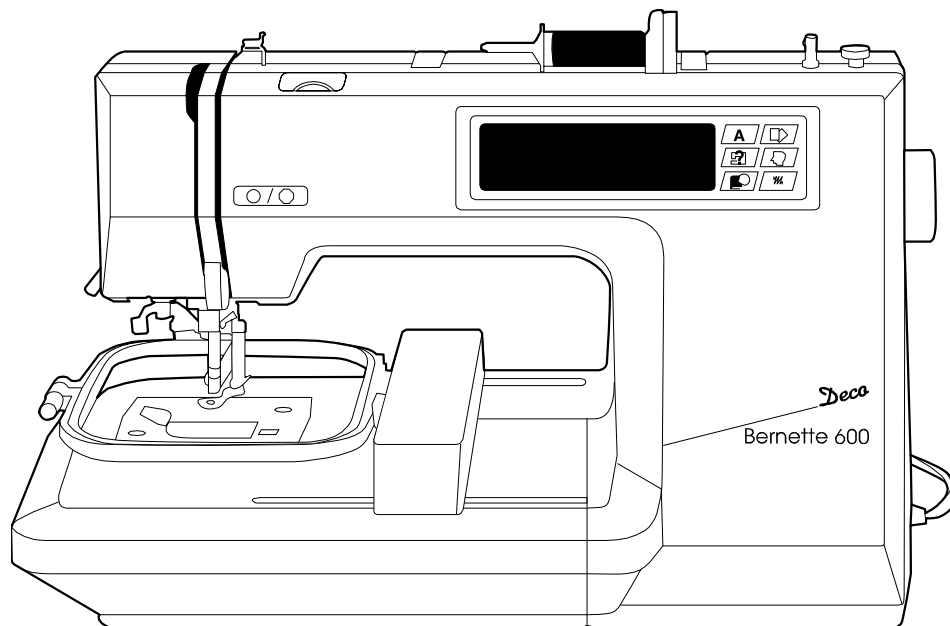


# MASTERING YOUR

# BERNINA®

# Deco Embroidery Machine



## OWNER'S WORKBOOK

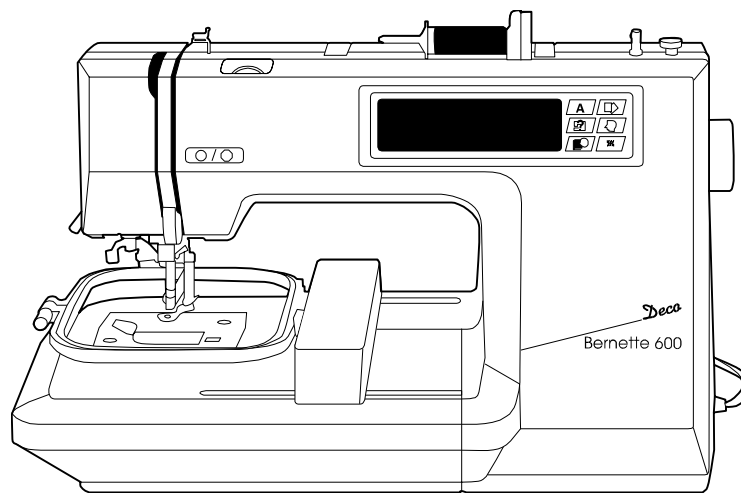
# Table of Contents

**SECTION A    Pages 3-17**  
**Embroidery Beginnings**

# MASTERING YOUR

# BERNINA®

# Deco Embroidery Machine



## OWNER'S WORKBOOK

### Section A

## *artista* Embroidery Beginnings

## **SECTION A**

# ***artista* Embroidery Beginnings**

### **Details of the Machine**

Owner's manual pg.\_\_\_\_

### **Standard Accessories**

Owner's manual pg.\_\_\_\_

### **Special Accessories**

Owner's manual pg.\_\_\_\_

### **Prepare for Embroidery**

Owner's manual pg.\_\_\_\_

- Selection Keys - manual pg. \_\_\_\_\_
  - Select the “Basic Operation” option on the screen
- Needles - manual pg. \_\_\_\_\_
  - Use an Embroidery needle or another type of a needle that suits a specific thread need, such as a Metafil/Metallica needle for metallic thread
  - Insert a new needle at the beginning of each project
  - Needle should be in the highest position when attaching the hoop
- Bobbin
  - Select the “Winding Bobbin” option on the screen; follow instructions
  - Use a lightweight bobbin thread *Deco*
  - Select the “Setting Bobbin” option on the screen; follow instructions

### **Threading**

Owner's manual pg.\_\_\_\_

- Select the “Upper Threading” option on the screen; follow instructions
- Thread machine with presser foot up (to release tension discs)
- Thread the machine using either the horizontal or vertical spool pin
  - Horizontal spool pin is designed for use with “cross-wound” threads
    - match disc size to end of spool
    - smallest disc fits over the end of large cones (ex. Isacord)
  - Vertical spool pin is designed for use with “stacked” threads and some decorative threads
- Adjust tensions as needed for the threads used

### **Hoop Sizes**

Owner's manual pg.\_\_\_\_

- When possible, select hoop size that most closely matches design size
  - Large hoop
  - Medium hoop
  - Small hoop
  - Extra Small Hoop

## **Stabilizers**

Proper hooping techniques and stabilizer information - Owner's manual pg. \_\_\_\_

- *Lightweight Tear-Away Stabilizers*
  - most widely used in the home embroidery market
  - available in black and white
  - tears away easily; pull gently and hold stitches to prevent distortion
  - can be used in multiple layers
  - does not provide support for stitches after removal due to extreme perforation from the needle
- *Cut-Away Stabilizers*
  - most widely used in commercial embroidery market
  - available in black and white
  - must be cut away from the back of embroidery after stitching is complete
  - provides permanent support for embroidery stitches
  - no "give" or stretch
  - use with fabrics that have stretch
  - use with embroidery designs with high stitch counts
  - can be used in multiple layers
- *Poly-Mesh Stabilizer*
  - lightweight cut-away stabilizer
  - perfect for light-colored fabrics when other stabilizers might show through
  - softer hand makes it better for use on clothing items that touch the skin
  - can be used in multiple layers
- *Water Soluble Stabilizer*
  - dissolves in water
  - can be used as a backing or a topping for textured fabrics (velvet, terry)
  - hoop fabric with stabilizer
- *Adhesive Paper*
  - hoop the stabilizer; use a pin to score stabilizer around the inside edge of the hoop
  - remove backing; position fabric on stabilizer, smooth to adhere firmly
  - after using, carefully clean adhesive residue from iron
- *Iron-On Interfacing*
  - fuse to wrong side of fabric to add body to the fabric to help support embroidery stitches
  - available in a variety of colors, weights, thicknesses
  - permanently bonded - do not remove after stitching is complete
- *Spray Starch and/or Brush-On Stabilizers*
  - ideal for "firming up" soft fabrics
  - treat area to be embroidered; allow to dry completely, or press dry
  - use with additional stabilizer on the wrong side of the fabric

## **Hooping Fabric**

Owner's manual pg. \_\_\_\_

- Find the center of the fabric
- Separate the embroidery hoop
  - loosen the screw - it should be loose enough that fabric and stabilizer will easily fit into the hoop
- Remove the inner ring

- Embroidery Templates
  - use to ensure that the design is centered in the hoop
  - each hoop has a corresponding template
  - when inserted correctly, "BERNINA" reads left to right, right side up
  - template surface marked in 1cm squares
  - each template has cut-outs to facilitate transfer of markings to fabric
  - finger hole in corner for easy removal from hoop
- Secure fabric/stabilizer in the hoop
  - lay outer hoop on hard, flat surface
  - secure stabilizer to back of the fabric by lightly coating stabilizer with 505 temporary adhesive spray
  - place fabric and stabilizer on a firm surface
  - position template inside the inner hoop
  - position inner hoop on the fabric, aligning any markings on the fabric
  - grasping both inner hoop and fabric/stabilizer, insert into the outer hoop, aligning the arrows at the edges of both the inner and outer hoops
  - do not distort the fabric when tightening the screw on the hoop
  - hooped fabric should be taut, but not stretched
  - remove template before stitching

### **Attaching and Removing Hoop**

Owner's manual pg. \_\_\_\_

### **Automatic Thread Cutter**

Owner's manual pg. \_\_\_\_

- Activate the automatic thread cutter; this eliminates the need to cut the thread after the completion of each section of the embroidery

### **Time Display Key**

Owner's manual pg. \_\_\_\_

- Select a design, then activate the Time Display Key. The total embroidery time is calculated and displayed on-screen.

### **Layout**

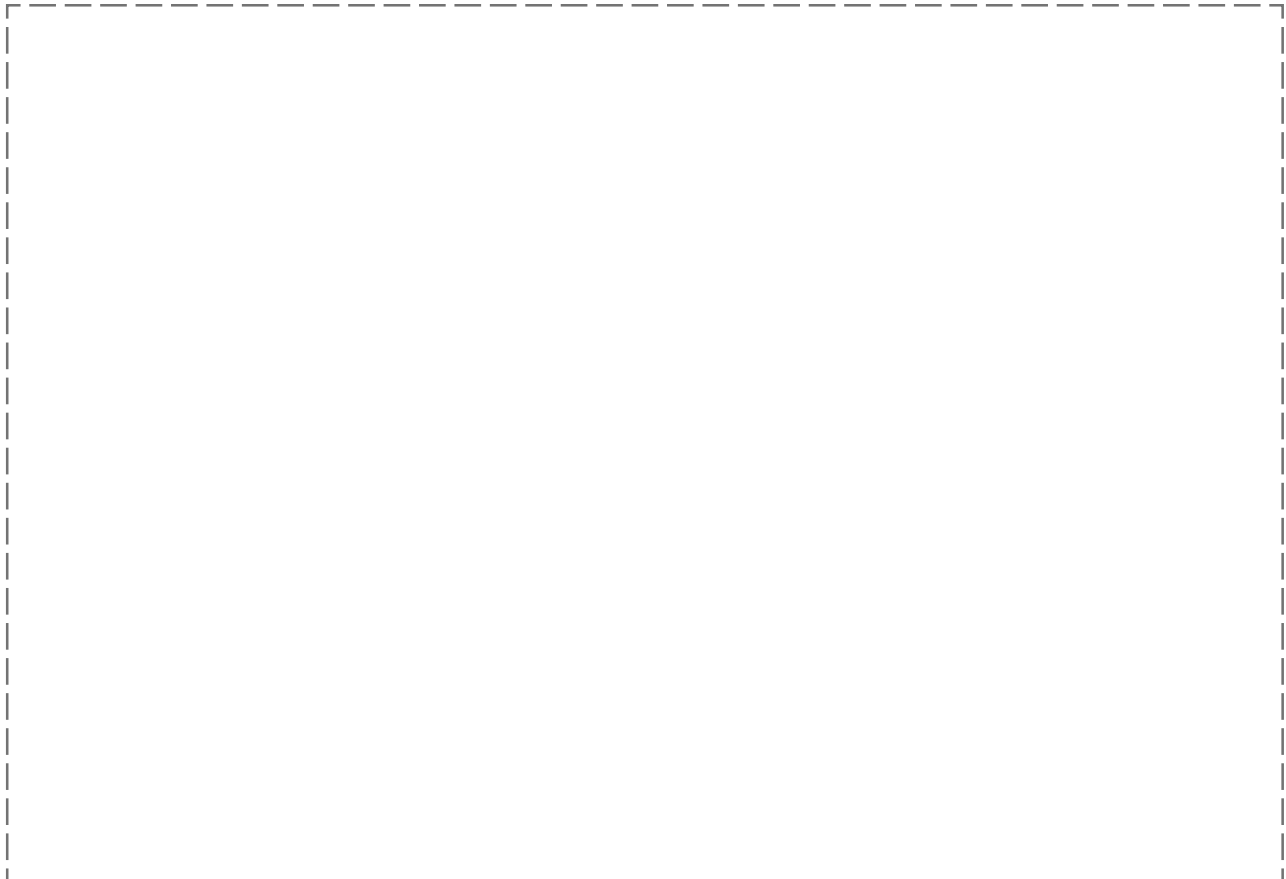
Owner's manual pg. \_\_\_\_

- Select a design, then select Layout. The design can be moved within the embroidery area using the Layout Arrows for precise placement.
- Select Trial to view the exact location of the stitching; the maximum embroidery area of the selected design is outlined by the needle.
- Change the orientation by rotating the design in 90° increments.
- Reverse the design by selecting the Mirror Image function.

## **STITCHING A DESIGN**

<b>Fabric:</b>	Firm fabric and stabilizer, 9" x 9"
<b>Needle:</b>	90/14 Embroidery
<b>Thread:</b>	Isacord embroidery thread Choose colors to match the design
<b>Design:</b>	Preprogrammed

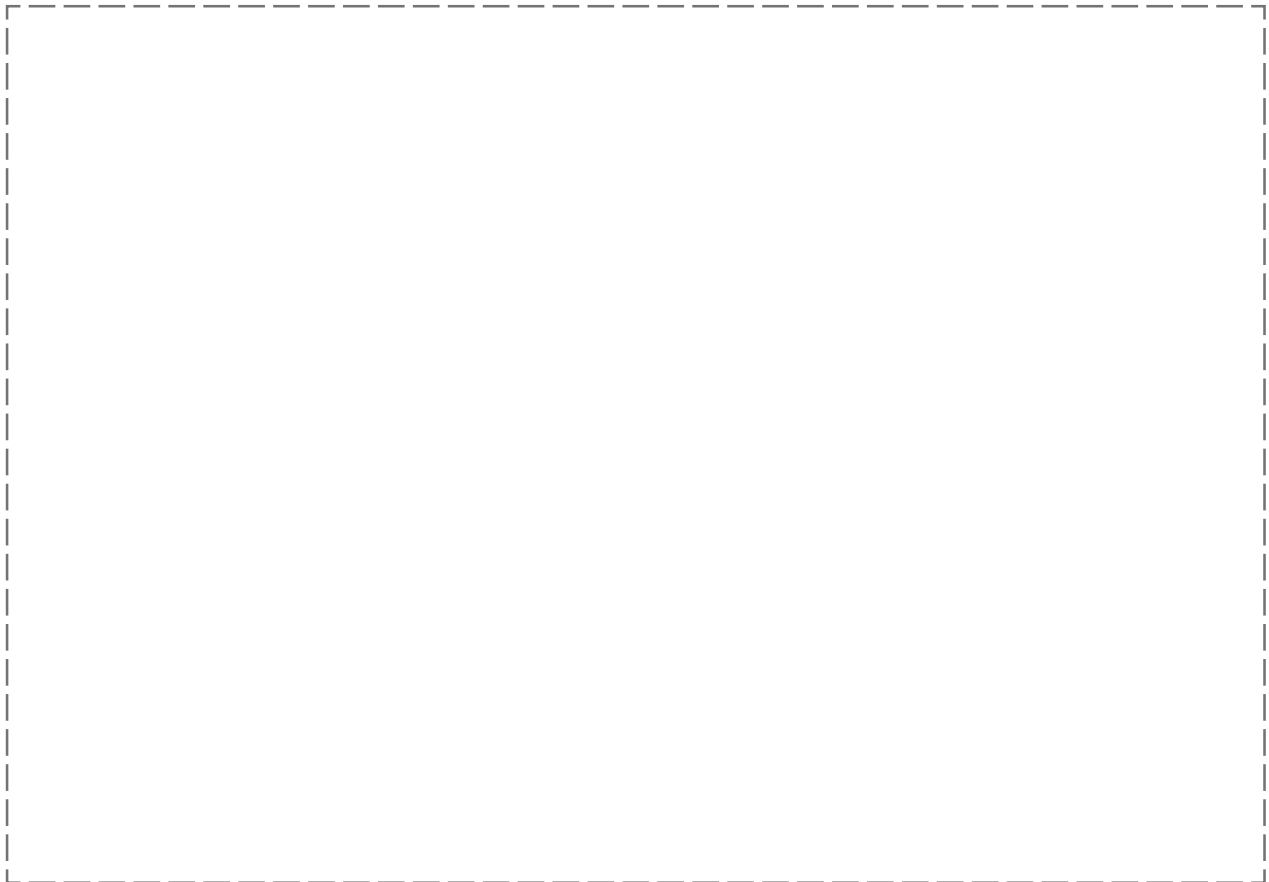
- Select preprogrammed design #1, the Suzy's Zoo® bear.
- Choose the Thread Color block to view the suggested colors.
- Touch the Thread color block again to view suggested color numbers for Mettler Polysheen (M), Sulky® (S), and Isacord (I) embroidery thread.
- Thread the Deco with the first color (white) and begin the embroidery.
- Continue stitching the embroidery until the design is complete, using the colors displayed on the screen.
- Trim and mount the sample below.



## FRAME SHAPES AND STITCHES

<b>Fabric:</b>	Firm fabric and stabilizer, 9" x 9"
<b>Needle:</b>	90/14 Embroidery
<b>Thread:</b>	Isacord embroidery thread
	Choose colors to match the design
<b>Designs:</b>	Preprogrammed

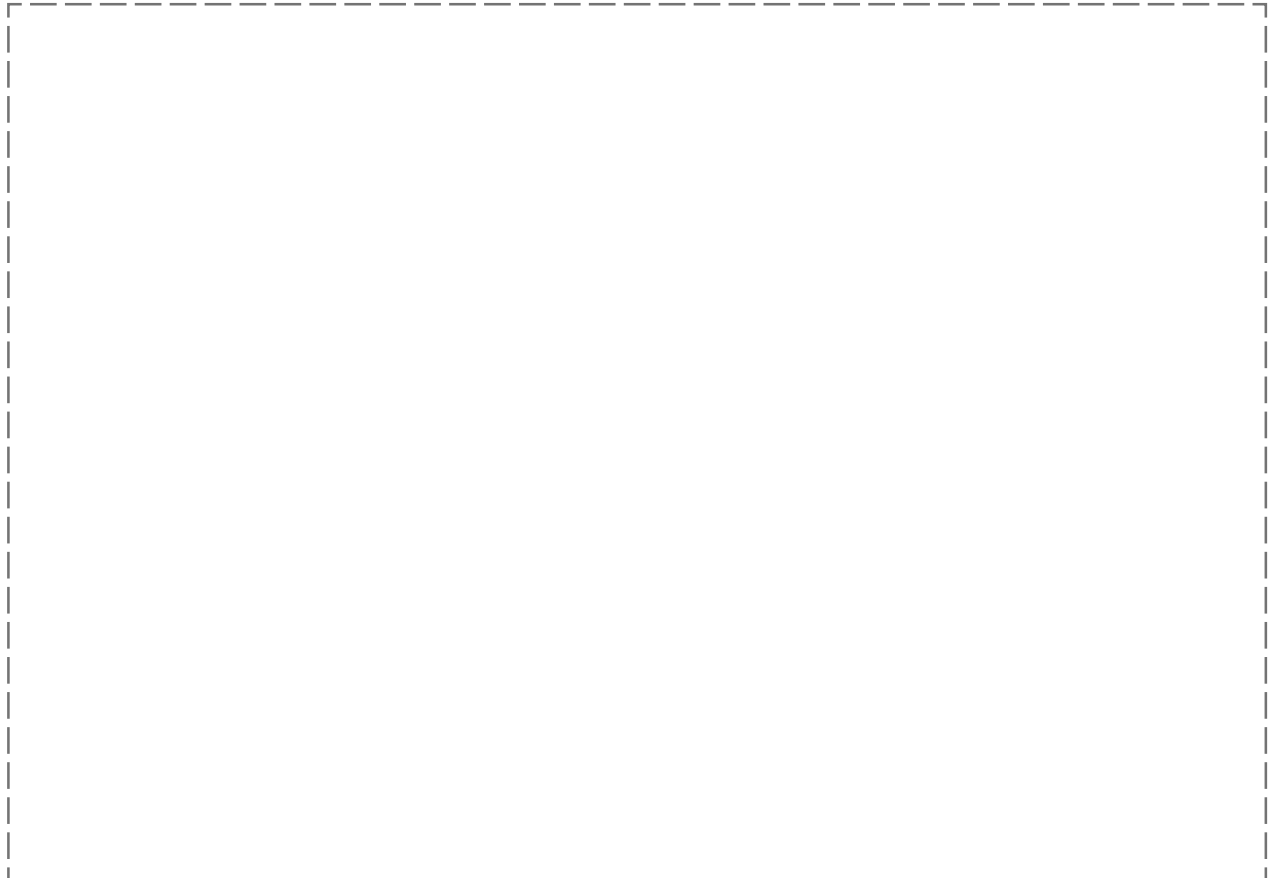
- Select the Frame patterns - Owner's manual pg. \_\_\_\_\_
- Choose the heart-shaped frame and the cross stitch.
- Enlarge the heart to its maximum size.
- Stitch the heart.
- Select the heart-shaped frame again, this time with the blanket stitch.
- Stitch the second heart at its original size.
- Trim and mount the sample below.



## MORE FRAME SHAPES AND STITCHES

<b>Fabric:</b>	Firm fabric and stabilizer, 9" x 9"
<b>Needle:</b>	90/14 Embroidery
<b>Thread:</b>	Isacord embroidery thread Choose colors to match the design
<b>Design:</b>	Preprogrammed

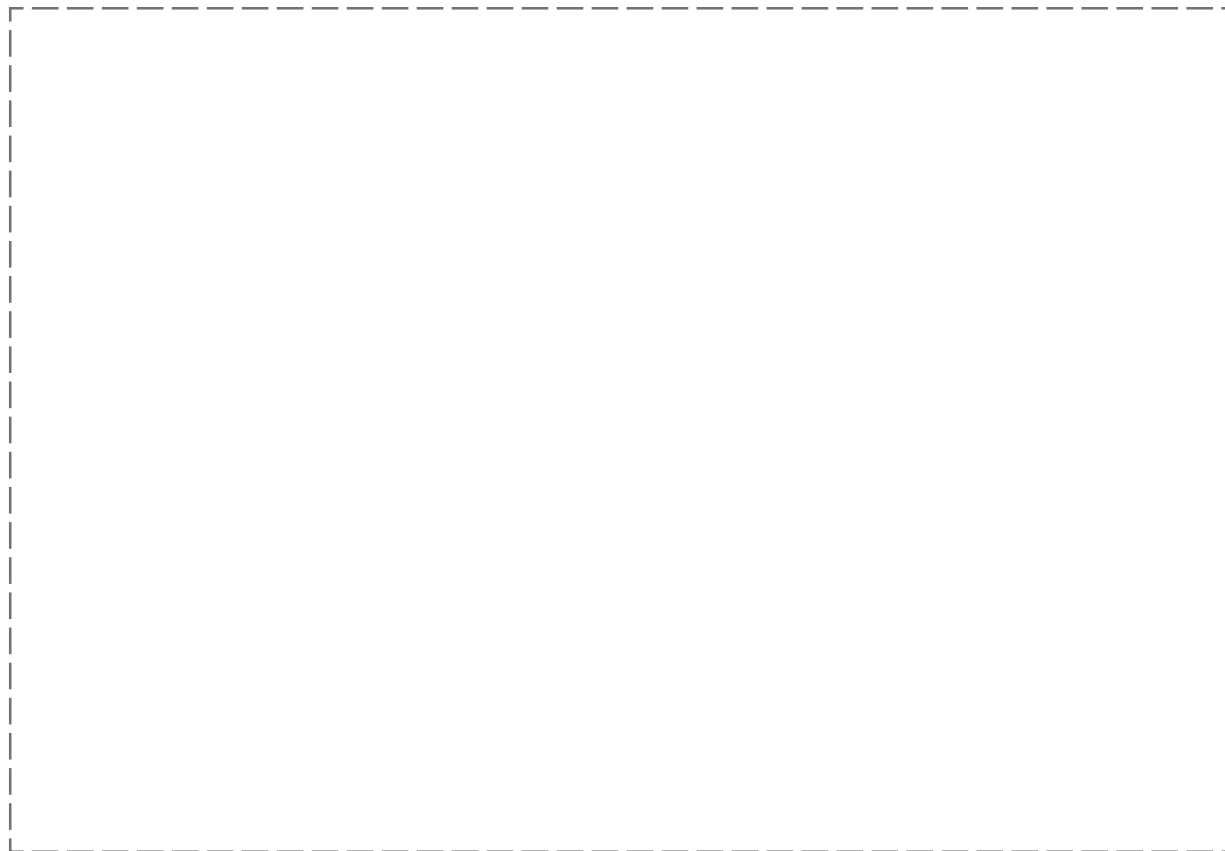
- Select the Frame patterns - Owner's manual pg. \_\_\_\_\_
- Choose the heart-shaped frame and the cross stitch.
- Reduce the heart to its smallest size.
- Stitch heart.
- Select the heart-shaped frame again, this time with the blanket stitch.
- Stitch the second heart at its original size.
- Trim and mount the sample below.



## ALPHABET SYLES AND SIZING

<b>Fabric:</b>	Firm fabric and stabilizer, 9" x 9"
<b>Needle:</b>	90/14 Embroidery
<b>Thread:</b>	Isacord embroidery thread
	Choose colors to match the design
<b>Design:</b>	Preprogrammed

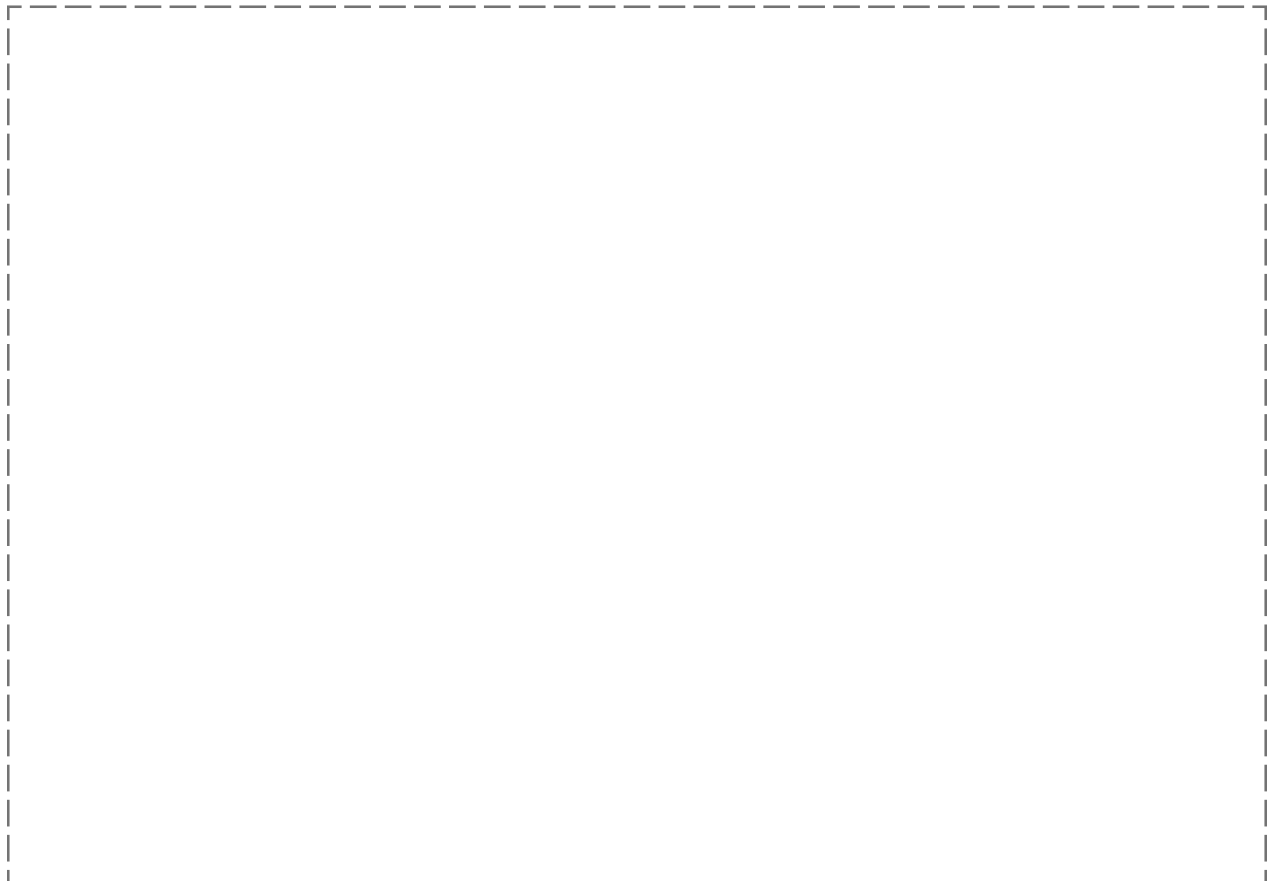
- Select the Block Alphabet - Owner's manual pg. \_\_\_\_\_
- Select the capital letter "B"; select the Large size.
- Stitch the large "B" in the center of the stitching area.
- Select the capital letter "B" again; select the Medium size.
- Use the layout arrows to position the medium "B" in the upper right corner of the hoop.
- Stitch the medium "B".
- Select the capital "B"; select the Small size.
- Use the layout arrows to position the small "B" in the lower left corner of the hoop.
- Stitch the small "B" in the lower left corner of the hoop.



## **CROSS STITCH LETTERING**

<b>Fabric:</b>	Firm fabric and stabilizer, 9" x 9"
<b>Needle:</b>	90/14 Embroidery
<b>Thread:</b>	Isacord embroidery thread
	Choose colors to match the design
<b>Design:</b>	Preprogrammed

- Select the Cross Stitch Alphabet - Owner's manual pg. \_\_\_\_\_
- Select the capital letter "B"; select the Large size.
- Stitch the large "B" in the center of the stitching area.
- Select the capital letter "B" again; select the Small size.
- Use the layout arrows to position the small "B" in the upper right corner of the hoop.
- Stitch the small "B".



## MIRROR IMAGING

<b>Fabric:</b>	Firm fabric and stabilizer, 9" x 9"
<b>Needle:</b>	90/14 Embroidery
<b>Thread:</b>	Isacord embroidery thread Choose colors to match the design
<b>Design:</b>	Preprogrammed

- Select design #42 (rabbit).
- Use the layout arrows to position the design at the top of the hoop.
- Stitch the rabbit using the indicated colors.
- Select design #42 again.
- Use the layout arrows to position the design at the bottom of the hoop.
- Mirror Image the design.
- Stitch the design.



## MEMORY

<b>Fabric:</b>	Firm fabric and stabilizer, 9" x 9"
<b>Needle:</b>	90/14 Embroidery
<b>Thread:</b>	Isacord embroidery thread
	Choose colors to match the design
<b>Design:</b>	Preprogrammed

- Follow the memory programming exercise in the instruction manual, page \_\_\_\_.
- Save the word "Girl" in the first memory bank, the word "Boy" in the second.
- Using the layout arrows, position the word "Girl" in the upper half of the stitching area; stitch.
- Using the layout arrows, position the word "Boy" in the lower half of the stitching area; stitch.
- Program and save your first name in the third memory bank.
- Stitch it in the center of the embroidery area.



## STITCH DENSITY

<b>Fabric:</b>	Firm fabric and stabilizer, 9" x 9"
<b>Needle:</b>	90/14 Embroidery
<b>Thread:</b>	Isacord embroidery thread Choose colors to match the design
<b>Design:</b>	Preprogrammed

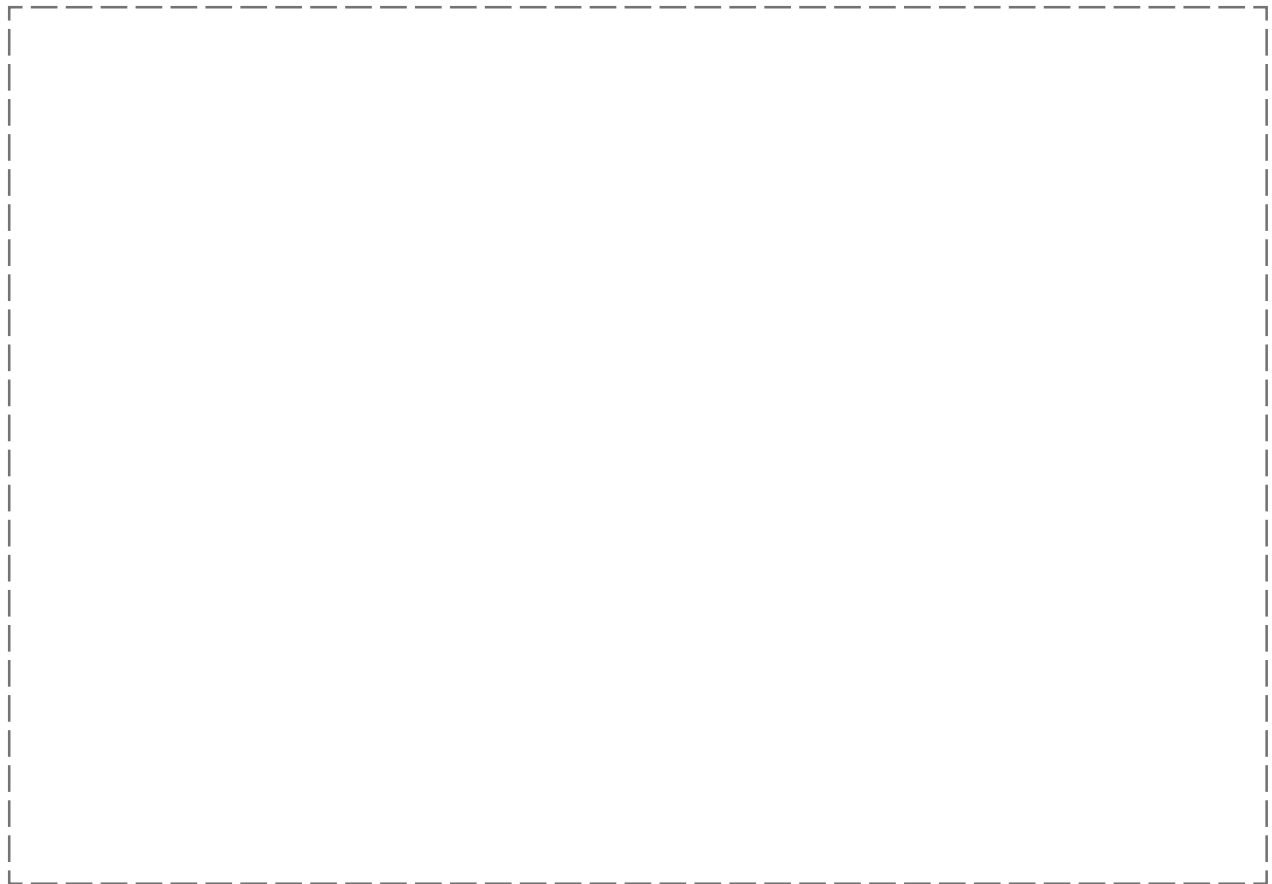
- Following the instructions in the owner's manual, pages \_\_\_\_\_, stitch out the letter "A" three times:
  - once using the STD (standard) setting
  - once using the maximum setting
  - once using the minimum setting.
- Before stitching each letter, use the layout arrows to position them so they will appear side by side.



## DESIGN CARDS

<b>Fabric:</b>	Firm fabric and stabilizer, 9" x 9"
<b>Needle:</b>	90/14 Embroidery
<b>Thread:</b>	Isacord embroidery thread Choose colors to match the design
<b>Design:</b>	Preprogrammed

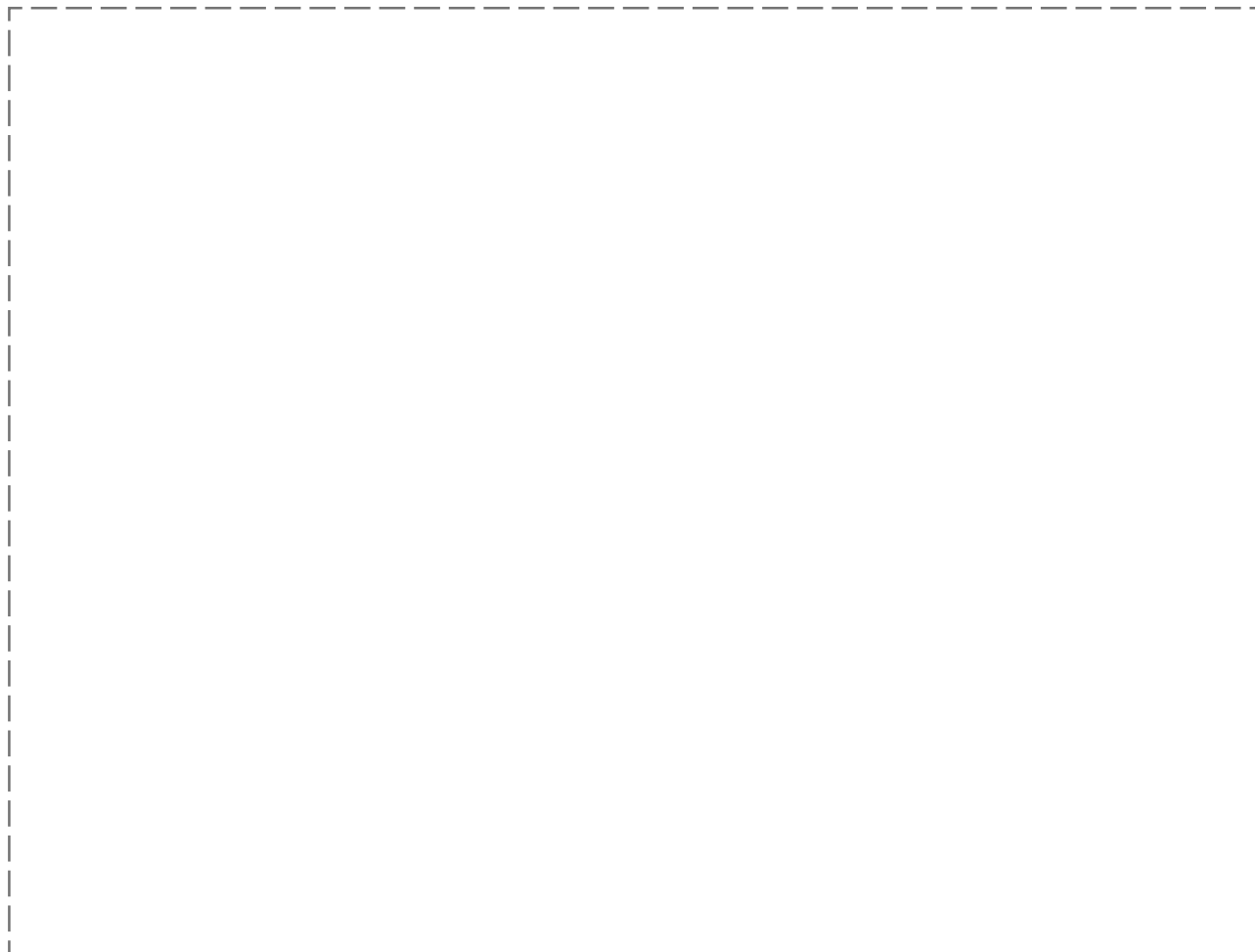
- Turn off the embroidery machine and insert an Studio BERNINA® embroidery design card.
- Turn on the machine; select a design from the card.
- Stitch out the selected design.
- Trim and mount the sample below.



## DESIGN ROTATION

<b>Fabric:</b>	Firm fabric and stabilizer, 9" x 9"
<b>Needle:</b>	90/14 Embroidery
<b>Thread:</b>	Isacord embroidery thread
	Choose colors to match the design
<b>Design:</b>	Preprogrammed

- Turn off the embroidery machine and insert the Studio BERNINA® Quilting by Leslie Beck design card.
- Turn on the machine and select design #3, the small flowers.
- Use the layout arrows to position the design at the top of the stitching area.
- Stitch the design using the colors indicated.
- Select the design again and rotate it 90°.
- Use the layout arrows to position the rotated design in the far right stitching area; stitch the design.
- Select the design again and rotate it 180°; position the design in the lower half of the stitching area; stitch.
- Select the design again and rotate it 270°; position the design in the far left stitching area; stitch.



## WISH LIST

### *artista* Embroidery Beginnings

- Embroidery Design Cards
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_
- 505 Temporary Spray Adhesive
- Stabilizers
  - Tear-Away
  - Cut-Away
  - Poly-Mesh
  - Water Soluble
  - Adhesive Paper
  - Iron-On Interfacing
  - Spray/Paint On
- Medium Hoop
- Hoop-It-All
- Embroidery Needles
- Isacord Embroidery Thread
  - color \_\_\_\_\_
  - color \_\_\_\_\_
  - color \_\_\_\_\_
- Other Embroidery Threads
  - color \_\_\_\_\_
  - color \_\_\_\_\_
  - color \_\_\_\_\_
- Multiple Spool Holder
- Bobbin Thread
- BERNINA® Embroidery Scissors