

A BROTHER  SCANBOOK™

# *Christmas*



A collection of Christmas holiday  
embroidery designs for use with the  
Brother Pacesetter Personal Embroidery System  
and the PE-Scan

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# Scanning

## ***Scanning ~***

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If your pattern has a lot of straight lines in it, line the design up as straight as possible, parallel to the scanner. The stitching will come out more even. When tracing a pattern use a ruler or a "rolling ruler" to get perfectly straight and parallel lines.

## ***Lighten Up! ~***

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When scanning a design, experiment with the lighten/darken adjustment on your scanner to get the best possible results. The adjustment dial is on the side of the hand-held device. Sometimes while trying to get a complete outline with good quality, you may end up with some extra "stuff" that is not on your pattern, but when you try to lighten and scan again your outline has breaks in it. If you can't adjust your lighten/darken setting to a happy medium, take the extra "stuff". You can always remove those extra stitches with your stitch ripper.

## ***The Copier is your friend ~***

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Although the usual way to create your patterns starts with tracing the design, you can also photocopy your chosen pattern down to approximate size. The scanner can enlarge or reduce to a predetermined set of sizes: 200%, 140%, 100%, 84%, 70%. Sometimes your projects may call for a size somewhere in between. This is a formula for reducing or enlarging patterns: (final size of stitched pattern) ÷ (size of original pattern in book) = (percent of enlargement or reduction) example: (size of stitched pattern- 1.5" wide) ÷ (size of original pattern in book- 3" wide) = (percent of enlargement or reduction - .5 = 50%). If the line weight is too thin, trace over it with the black line pen so the scanner will pick it up.

Place your photocopied image *underneath* your pre-printed drawing paper so you won't scan the edge of the copier paper. Set your scanner dial to slightly darker than normal. It might take more than one try to get the right setting.

Please remember that these designs are for your personal household use. Duplicating the patterns for other people is a copyright infringement and is against the law!



# Crafty Tips

Tips

## *Designing the project ~*

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Decide what the entire project will look like. For elaborate projects that may combine many patterns and stitches, sketch out your ideas and make notes on color, size and placement before you start to sew. A little extra planning up front may save you disappointment halfway through the project. Use the outer margins of your scanner tracing paper (SA-501) for notes.

You can experiment with combining or repeating patterns, either before or after scanning to create new designs.

How-to instructions on Large Scale Embroidery and using the large embroidery frame can be found in the Manger section.

## *Think in 3-D! ~*

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Add charms, beads and ribbons to give your designs a little added pizzazz! There are many local craft stores who will carry a lot of these things. Some of the tips for individual patterns will refer to sewing or using fabric glue to attach these items to your project. Christmas is a time of glitter and sparkle and added craft items are an easy way to brighten up a project.

Fabric paints can also give your projects that little something extra. Try using some of the pearlescent or opalescent “puffy” paint that comes out of a tube. This is a quick and easy way to add a beaded effect.

Putting a thin layer of batting beneath your embroidery area will also add dimension if you just embroider the outline of a design.

## *Using the Sewing Machine ~*

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Many of the designs can, and should, be used together. Some of the decorative stitches that are preprogrammed into your machine can go a long way to tying these designs together. If you plan on adding these decorative stitches make sure that you use colors that appear in the main Christmas design so that it will all tie in together. The S-1 stitch card adds even more decorative stitch possibilities when using your PC-7000 or PC-7500.

Another crafty idea is to use the sewing machine to add decorative thread appliques, braided cord or ribbons. Use the machine accessory feet that go along with these stitches. Brother offers a selection of optional accessories for these special effects.



# Materials

## ***Choosing your material ~***

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Most materials can be used in your embroidery hoop. Your needle, thread and tension may have to be adjusted to accommodate heavier and lighter than normal materials. Always experiment on scrap fabric whenever you work with a new material.

## ***Other helpful supplies\* ~***

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- *Stabilizers* come in different forms. Some tear off, wash-away, iron-away, spray-on, or stay in place after sewing. Stabilizer should be used when working on thin, elastic, or loosely woven materials such as cotton/poly, jersey/sweatshirt and terrycloth. Some material may require stabilizer on both the top and the bottom to get good results. Different stabilizers work better for different materials, so ask your Pacesetter dealer for recommendations.
- *Needles* should be changed regularly in your embroidery machine. Most good quality sewing needles can be used. Schmetz 75/11 machine embroidery needles are recommended for everyday use. Go to a heavier needle, 90/14, when working on heavier material, such as denim. When using metallic threads use a needle designed for them like the Metafil needle.
- *Bobbin thread* should be strong yet thin. Silk nylon lingerie or Rayon thread is recommended to cut down on thread build-up and "bird's nests".
- *Embroidery thread.* For the best results use the Brother thread (Rapos-36). It is a 50# weight polyester and the colors used in this book are cross referenced to these threads. Rayon and polyester thread is available in 50#, 40# and 30#. Polyester thread withstands washing and sunlight better than the Rayon thread. The higher the number the finer the thread. Metallic threads require a little more care, therefore use an upright spindle and a Metafil needle to keep the thread from shredding and breaking. Have some fun with variegated threads, just remember that the way the color pattern is stitched no two patterns will come out the same.

\* Always refer to your official Brother sewing machine and scanner manuals for any information on your specific machine.

### ***Guardian Angel Design Tip ~***

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The "Colors - Suggested Sewing Order" section should be read like a newspaper. Read down the first column before starting the next. The suggested sewing order is usually the most central section outward with the outline sewn last. Sewing from the center outward will give you better color registration.

Some of the pages will not have all the scan modes listed. The missing scan modes are usually covered in the Scanning or other section.

### ***Scanning ~***

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The most convenient way to save your designs is on a Brother original memory card (SA-308). Keep your most frequently used designs on your memory cards and keep a library of less frequently used designs on paper. Additional pads of tracing sheets (SA-501) can be purchased from your Brother dealer. When filing a set of scanning sheets, keep a separate sheet for your outline and each additional color used in a design. Write notes outside of the yellow scanning line area about which thread color and the scanning order of the color. Keep the complete set of scanning sheets in order. They should fit nicely into 6" X 9" envelopes. If you like being the most organized on your block, consider keeping the scanning sheets in

### ***Multicolor with Outline ~***

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clear plastic photo pages used for 5" X 7" prints. These photo pages will then go into a

### ***Multicolor with No Outline ~***

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3-ring binder, a very convenient way to have all your designs at your fingertips and ready to scan!

### ***Single Color ~***

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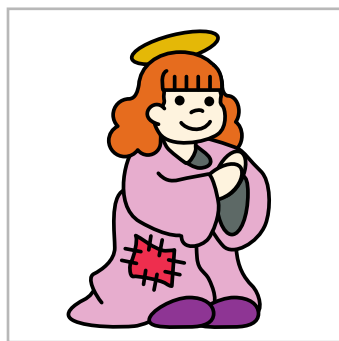


This is an experienced scanner's tip that you'll find most handy. Keep a tracing sheet









# Littlest Angel



Angels



**COLORS~**  
**Suggested Sewing Order:**

	810		614
	307		Gold
	704		900
	339		
	800		

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### ***Littlest Angel Design Tip ~***

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on hand that is solid black in the scanning area. Either color it in solid with a black marker or cut a piece of black construction paper to fit in the scanning area and glue or tape it down. When you scan a multicolor with outline design, use this solid square as your last color scan. The scanner will only see the areas that remained uncolored within the outline, not the whole black square! It's a real time saver. Note that this only works

### ***Scanning ~***

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with multicolor modes. If you scan the square in single color mode, you'll get a solid square.

Everyone has their own Guardian Angel and now they can carry it with them. Using the built-in letters in the PE-SCAN or another character card, you can personalize the angel with the name of it's person. By sewing the Angel on stiff material, and adding a jewelry jump ring, you can carry your Angel with you on a keyring. For a springtime variation, hand stitch a couple of silk ribbon roses into her hands and this pretty Angel becomes a garden guardian! Eliminate the wings and halo and you have a bride holding a bouquet!

There are

### ***Multicolor with Outline ~***

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two wing options with the Guardian Angel. To change the wings, scan the wing in sep-

### ***Multicolor with No Outline ~***

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arately and SAVE. Flip the wing on the tracing sheet over and add a new orientation dot in the upper left corner. Scan the flipped

### ***Single Color ~***

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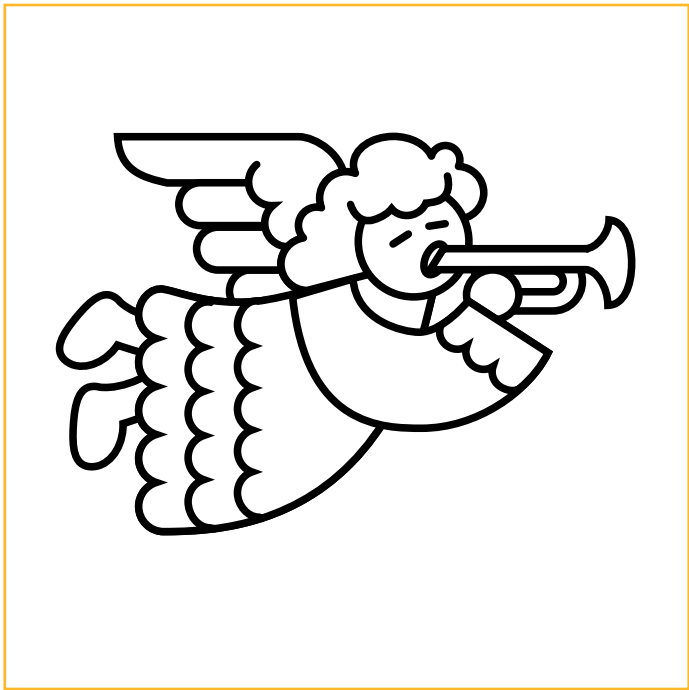


design as usual and SAVE. Scan the Angel body without wings and SAVE. In EDIT










# Music Angel



Angels



**COLORS~**  
*Suggested Sewing Order:*

	017		307
	810		001
	070		900
	Gold		
	328		

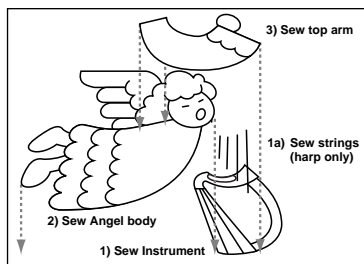
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### ***Design Tip ~***

What is better than the beautiful sounds of Christmas music? And who better to play it than your own Music Angel? This is a very versatile little celestial being capable of playing many instruments! Look to the Instruments page in the Stained Glass section to assemble an orchestra.

### ***Scanning ~***

To customize your angel to play the various instruments you will have to scan some parts separately. Start by scanning the instrument. (See the Instrument page to find if there is an additional tip for a particular instrument.) SCAN the instrument using multicolor with outline mode. SAVE it. Next SCAN the body of the angel without the front arm. Don't scan the trumpet that comes with the design, you'll be putting in a different instrument. Make sure to draw a complete body, don't stop the line at the arm, continue the line through where the arm will be in the final design. In EDIT mode bring in the saved designs in the order in which they will be sewn. (See the illustration at right) Using the arrow keys, position all the elements so they work well together. Save the completed design.



### ***Multicolor with No Outline ~***



By using this option you can create a very country/stencil look. Be sure to follow the sewing order in the scanning tip above.

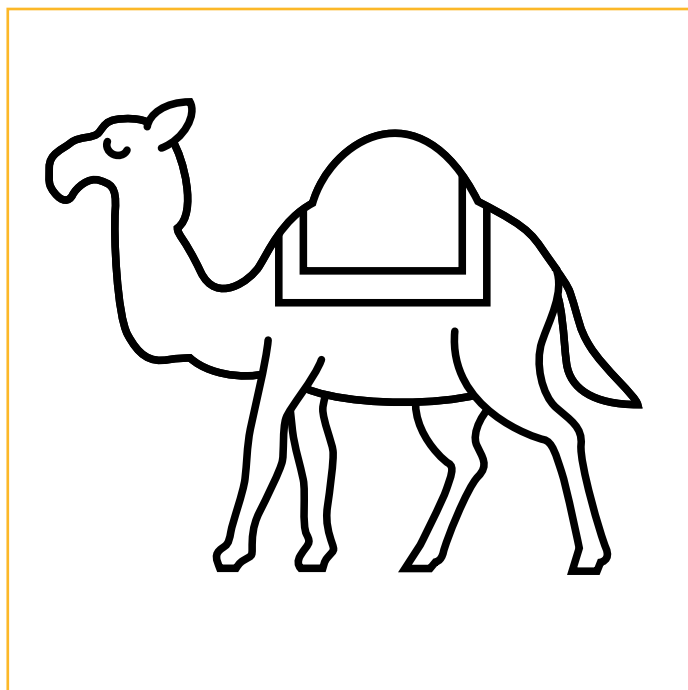
### ***Single Color ~***



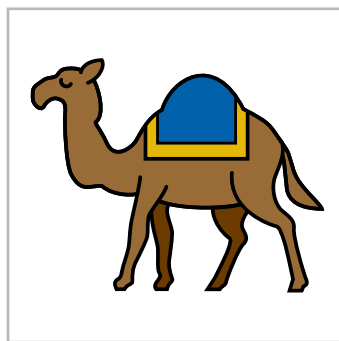
Single color angels, with variety of instruments, would make a wonderful and quick border for a holiday tablecloth. For a touch of elegance try silver and gold metallic thread on a white linen tablecloth.

Don't forget the matching napkins!






# Camel



Manger



**COLORS~**  
*Suggested Sewing Order:*

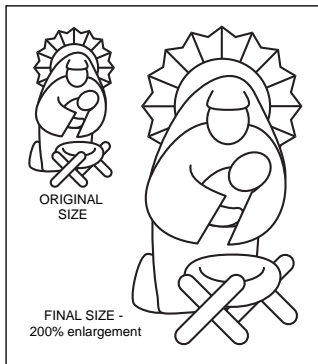
- |   |      |
|---|------|
|  | Gold |
|  | 405  |
|  | 323  |
|  | 058  |
|  | 900  |

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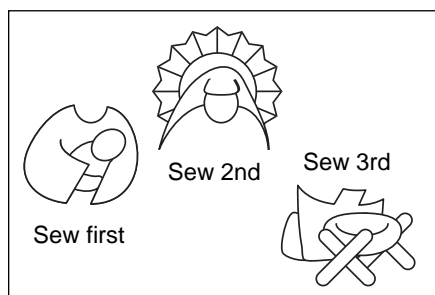
The "Colors - Suggested Sewing Order" section should be read like a newspaper. Read down the first column before starting the next. The suggested sewing order is usually the most central section outward with the outline sewn last. Sewing from the

### ***Large Scale Embroidery Instructions ~***

The idea in creating large embroidery designs is to divide the design into smaller sections, which are scanned, reassembled, and stitched together to create the bigger design (similar to putting together puzzle pieces). Since the sections are NOT divided into a straight grid, like floor tiles, this involves careful realignment of each section. Each individual section must fit within the scanning area of the PE-SCAN and will be saved separately onto a blank memory card. By following these directions and with some practice you can produce wonderful results.



1) Start by selecting a design. For this demonstration we've chosen the Mother & Child design. Using the transparent square provided with your Brother PE-SCAN to help determine sizes of areas, divide the picture into sections to be scanned (see illustration below). In the Mother & Child example, there are 3 sections to be scanned - the head and halo, arms and child, and the Mother's knees and crib. Each scanned section must be a closed-in area: it must have an outline completely surrounding it if you're doing a multicolor design. If you are doing a single color design, having a completely closed-in area is not necessary.

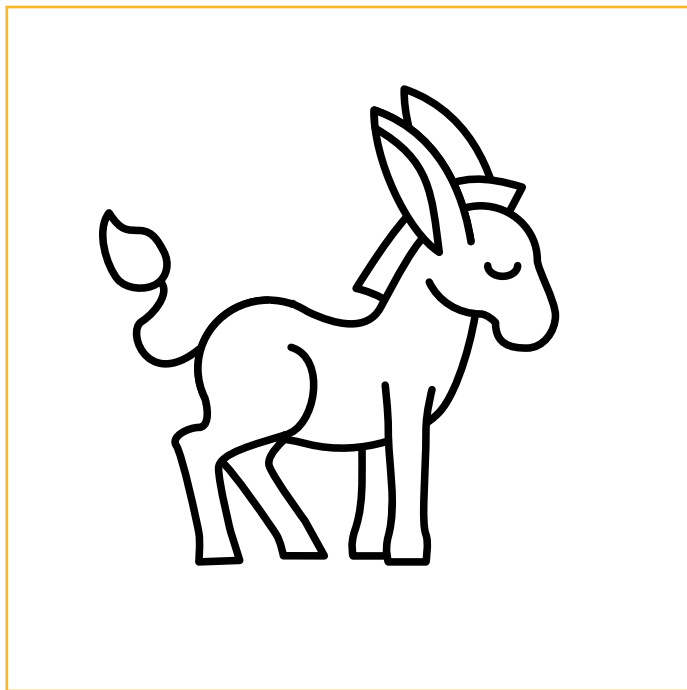


*(Continued on back of Donkey design)*

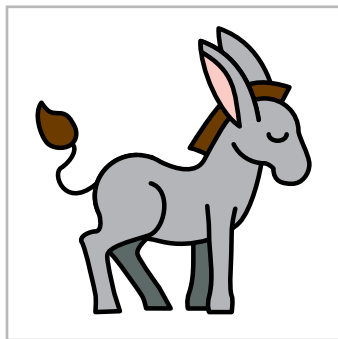
### ***Camel Design Tip ~***

Scan a solid single color camel at 70% and stitch in a dark color thread to use as a silhouette with the Bethlehem design.






# Donkey



Manger



**COLORS~**  
*Suggested Sewing Order:*

- |   |     |
|---|-----|
|  | 005 |
|  | 058 |
|  | 079 |
|  | 704 |
|  | 900 |

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## ***Large Scale Embroidery Instructions continued ~***

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2) After you have identified these sections you will also need to plan out your approach to the project depending on whether you are using the hoop that came with your machine or if you are using the SuperHoop (SA-403 or SA-413). By using the SuperHoop on this design you can move your project without re-hooping the fabric, allowing for better registration.

Trace the sections onto Brother SA-501 tracing paper, staying within the yellow lines and keeping within the scanning area. An alternative is to make as many photocopies of the final size as necessary so that each complete scannable section can be cut from a copy with all of its borders intact. If using photocopies, cut the scannable sections out with scissors, use a glue-stick or rubber cement to place each cutout on a sheet of tracing paper.

By using a photocopier and enlarging your pieces to their final size it will be easier to judge if the pieces will fit before stitching. You may find that you can achieve a finer outline by tracing over the line at its final size. If you enlarge the linework within the PE-SCAN by using the 140% - 200% setting, the linework stitch width will enlarge by the same percentage. A thinner line will be more difficult to line up properly than a thicker line will be.

If using the regular hoop that came with your Pacesetter, you will need to re-hoop for a large design. Alignment lines drawn on the fabric with washable or disappearing marking pen will assist in lining up all the pieces. These lines should match up to your master template/embroidery sheet (see next step). Only add alignment marks on your fabric as you move from one section to another. Your fabric will stretch as you re-hoop each time.

3) At this point you will need to evaluate how you wish your final design to look and determine which areas (if any) might need to overlap. Make a note on the tracing paper outside the yellow line with the number of the sections/pieces and the order in which you wish to scan and embroider them. Trace out a complete full size design onto clear acetate or tracing paper using a permanent marker or photocopy onto a transparency (made specifically for

*(Continued on back of Magi design)*

## ***Donkey Design Tip ~***

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The Camel, Donkey and Sheep from the Shepherd design can easily be combined together to give another design that can be used in the Manger or by itself as a tree ornament. Flop the Donkey before scanning so that they all face in the same direction.

# Magi



Manger



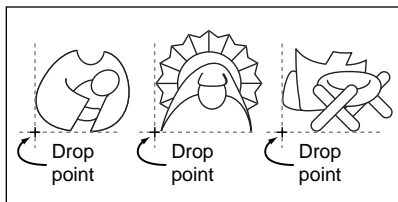
## **COLORS~** *Suggested Sewing Order:*

614	800	307
307	005	070
800	843	900
Silver	Gold	323
612	001	704
704	900	900
900		

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## ***Large Scale Embroidery Instructions continued ~***

photocopiers). This will be your master template for checking your registration. Position this full sized design on top of the plastic embroidery sheet that comes with the SuperHoop. Tape the master template in the center of the embroidery sheet. With a permanent marker, trace the center grid lines from the embroidery sheet onto the master template. (These grid lines are primarily for lining up your design on the fabric if you are doing a lot of re-hooping, such as if you do not have the SuperHoop and have to use the regular embroidery hoop or you are doing a very large design.) Using a different color permanent marker, make a "+" out of intersecting lines drawn from the bottom and left hand side (see illustration at right). This is the drop point and it is the first step to aligning the sections of your design.



4) Before you begin to scan, decide which scanning mode is most appropriate for the design you have selected. Make your selection, don't forget that you can also choose stitch direction and stitch density. Because you are scanning in sections you can also combine different scanning modes in one completed design. Save each section separately onto a memory card.

5) Once all sections are on the original memory card, place the fabric to be embroidered into the SuperHoop of your Personal Embroidery System machine. Use your plastic grid to assure that the area to be embroidered is properly aligned. Note: This initial positioning is very important as it will determine the placement and alignment of all other sections of the design to be subsequently embroidered. If you are starting your project with a center section, use the two middle posts of the SuperHoop. (This example starts at the center so the SuperHoop should first be positioned in the sewing machine using the center two posts. The top section uses the top two posts and the bottom section uses the bottom two posts.)

Stitch the first section.

*(Continued on back of Mother & Child design)*

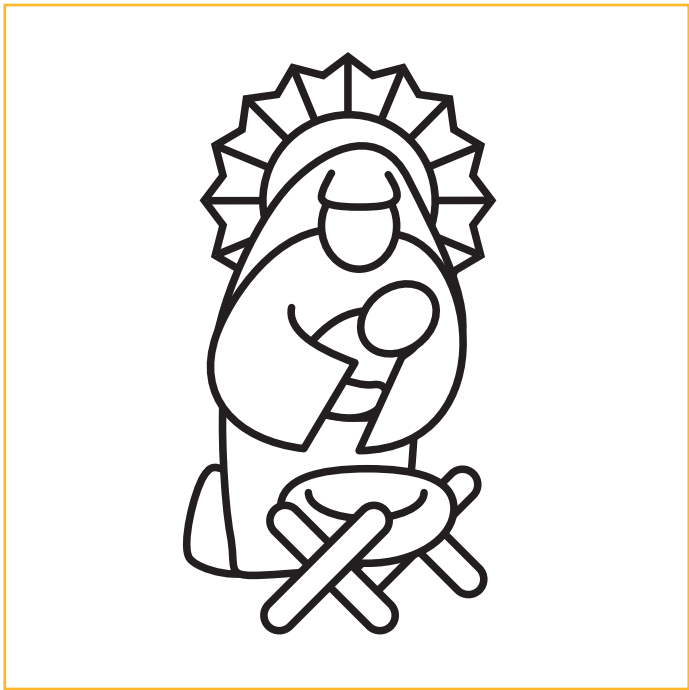
## ***Magi Design Tip ~***

The Colors-Suggested Sewing Order is set up so that each king's colors are in their own column. The more elaborate the colors and threads, the more "Kingly" they will appear!

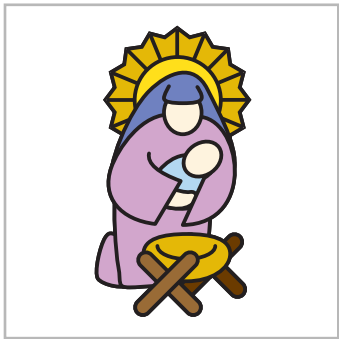




# Mother & Child



Manger



**COLORS~**  
*Suggested Sewing Order:*

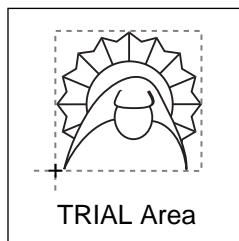
	017		323
	307		058
	612		205
	Gold		900
	070		

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## ***Large Scale Embroidery Instructions continued ~***

6) At this point you will want to make sure that your machine will stitch the second section exactly as you have positioned it on your master template by checking the machine's positioning of the outline. On your LCD screen bring up section 2 (Mother's arms & Baby).

By pressing START on the START/CENTER area of the LAYOUT screen, the needle position will move to the lower left hand corner of the area to be embroidered. Place your embroidery sheet with the master template in your SuperHoop. Using the arrow keys, position the embroidery area before beginning to sew by lining up your cross hair on the embroidery foot with the "+" you are using for your alignment drop point on the master template. Press the TRIAL button and watch as the machine traces a box that surrounds the stitching area. Make sure the center of the embroidery foot touches each of the outermost points of that section of the design. If it doesn't, it's your first clue that the alignment will be off. This is your first step toward proper registration.



7) After pressing RETURN, HELP, HELP, you will be able to press FORWARD SEARCH until the outline of section 2 is on the left side of your screen. Press FORWARD. (By touching this button once it will move 1 stitch distance. If you hold down the button, it will skip over many stitches and allow you to get to the critical match-up area.) Remove the master template/embroidery sheet. Un-thread your machine and press the machine's START control, letting it stitch without thread. You are properly aligned if the needle holes from section 2 line up with the stitching on the first section. (If improperly positioned, stop the machine and proceed to the next paragraph.) If you are ready to continue, stop the machine. Use the HELP function and REVERSE SEARCH button to take you back to beginning (first color block) of section 2. Re-thread and embroider section 2.

*(Continued on back of Shepherd design)*

## ***Mother & Child Design Tip ~***

This design would be very pretty done as a Stained Glass style project. See the Stained Glass section for instructions.











# Shepherd



Manger



**COLORS~**  
***Suggested Sewing Order:***

	019		079
	323		001
	017		058
	307		843
	Gold		900

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## ***Large Scale Embroidery Instructions ~***

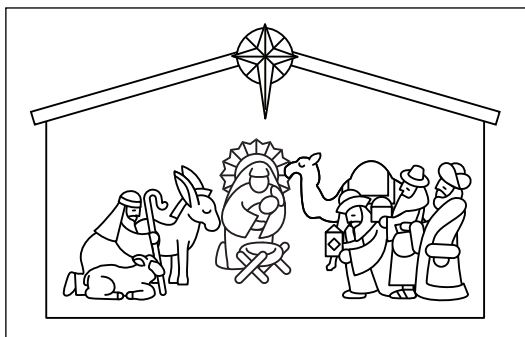
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8) If, after following the above procedure, your needle holes on the tracing paper drawing do not line up properly, enter the HELP function, press REVERSE SEARCH (again placing yourself at the beginning of the outline of section 2). Press RETURN, and then LAYOUT twice to enter the LAYOUT function again. Place your master template/embroidery sheet in the SuperHoop.

Use the cursor/arrows to move your needle until properly positioned over the drop point shown on the master template/embroidery sheet. With the holes from your first trial run you should be able to see how far your needle needs to be moved to be in the correct alignment. Use the HELP function and REVERSE SEARCH button to take you back to the beginning (first color block) of section 2. Re-thread and embroider all portions of section 2. It will help to count how many times you press the arrow key in each direction that you move the pattern.

9) Once finished stitching section 2, align section 3 following the above procedure. Continue in the same manner with the rest of your pieces until your design is completed, only unhooping your fabric as necessary to maintain correct placement.

As with all complex projects, creating Large Scale Embroidery design using your Pacesetter and the PE-SCAN requires time, patience and some practice. However, once mastered, an unlimited world of large designs awaits you with opportunities galore. We're sure that you'll enjoy the reward of the beautiful results of Large Scale Embroidery.



*An example of the whole manger section used as a placemat or wall hanging. The building can be appliqued fabric.*

## ***Shepherd Design Tip ~***

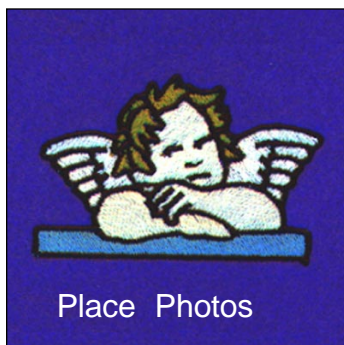
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Scan the sheep separately and at 100% and 84% sizes. Change the face and hoof colors and before you know it you have a whole flock of sheep for the Shepherd to tend to!

A BROTHER  SCANBOOK™

# Christmas

## *Creative Embroidery with the Brother PE-Scan*



***Renaissance Angel***

fashion — will take on new originality and a new level of professionalism.

The more than 40 Christmas designs in this book are the starting point for hundreds of projects and special embroidery effects. They're complete with color guides and step-by-step scanning tips and techniques. Maximize your sewing fun with Brother ScanBooks.

Now you can get professional quality embroidery in your own sewing room! Give your projects a special individual touch with the Pacesetter Personal Embroidery System and PE-Scan Custom Design System from Brother.

With a little imagination you can create projects that will please your family and astound your friends. All your sewing — from home decor to



***Santa Gnome***

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