

Radiance 101 – Embroidery Basics Project

Hoppy Spring Bunny Banner

Getting Started

Here is a fun and easy project to get ready for Springtime. This project can be jumpstarted by using purchased placemats and adding embroidery. This showcases some of the basic embroidery features for the Radiance highlighting the built-in designs and fonts of the machine.

Make these for any season or occasion! Find your own way to put your



© 2025 Baby Lock USA and Canada. The Hoppy Spring project is part a Baby Lock Exclusive Radiance 101 Class and is for individual use only and may not be sold or distributed without prior written approval from Baby Lock. Provided Instructions, graphics, embroidery files, design file and any included video may not be sold shared or produced for commercial purposes.

Project Introduction

This embroidery basics project is created using the Radiance and combines embroidery and sewing together. This project was designed to get you ready for Spring!

Supplies Needed

- Baby Lock Radiance
- 11 5/8" X 18 1/4:" Embroidery Hoop & 10 5/8" X 10 5/8" Embroidery Hoop
 - Baby Lock Magnetic 7" X 12" hoop could also be used for this project with resizing of design.
- W Foot (Embroidery foot)
- J Foot (General Purpose foot)

Notions

- Embroidery Thread and Bobbins
- Embroidery needles
- Sewing Thread and Bobbins
- BLT 103 Tear-Away Firm Stabilizer or BLT102 -Stick Tear Stabilizer
- Temporary Adhesive Spray or fabric glue stick
- Iron and Pressing Mat
- Scissors, Rotary Cutter, and Cutting Mat
- Optional -Applique Scissors
- Pins or Wonder Clips
- General sewing supplies
- Dowel Rod and string/ribbon (Optional)
- Garden Flag stand (Optional)

Fabric - For this project, we went the easy route and purchased some basic placemats!

- 2 Purchased Placemats. Click [Here](#) to find more information on where to purchase the one's shown in class.
- 3- 3.5" X 14" or 4" X 4" (if doing just 1 egg design each) pieces of fabric for Egg Applique fused with Pellon SF101 Stabilizer
 - Quilter's cotton was used for the project with SF101 in three different colors
- As shown in class, this could also be done to embellish a table runner or placemats.
- You can also use fabric from your stash to create your own banner or flag. Cut your fabric to size approximately 18" X 22" finished down to a 15" X 20" size.

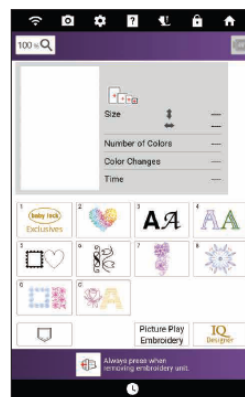
Hoppy Spring Banner

Preparation

1. Hoop one of the placemats or cut fabric in largest hoop.
 - Hoop with Tear-Away Firm stabilizer and temporary spray adhesive spray
 - OR Float with Stick-Tear Stabilizer
2. Or place the fabric into the largest hoop or Baby Lock Magnetic Hoop
3. Set the hooped fabric aside.

Creating the design in Embroidery –

1. From the Home Screen, select **Embroidery**.



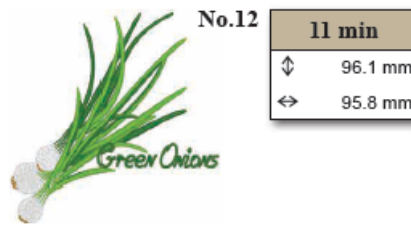
2. Select **Baby Lock Exclusives Category**.



3. Scroll to the **Holiday Category**, select the **Bunny Design #37**.

4. Touch **Set**.

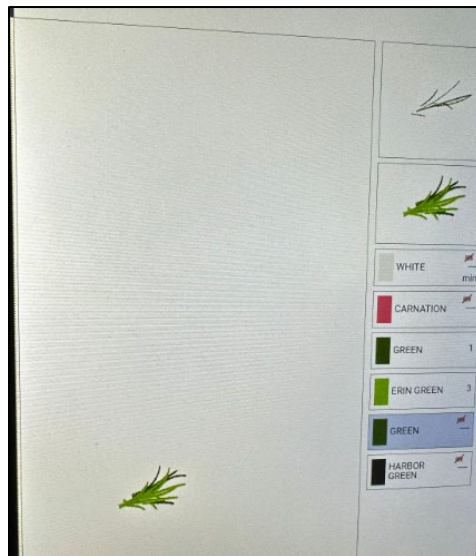
5. Select **Size**  and the option to resize with stitch recalculation. 
6. After receiving the prompt, touch **OK**. This option will allow you to resize the design up 200% and down 60% all while adjusting the stitches.
7. **Resize** the design to approximately **7.94" x 8.57"**.
8. Touch **OK**.
9. Touch **Add** and from the main screen, select the **Baby Lock Exclusives and Home Accent Category**.



10. Select the **Green Onion Design #12**.
11. Touch **Set**.
12. We are going to use this design to create grass.
13. Touch **Edit**.

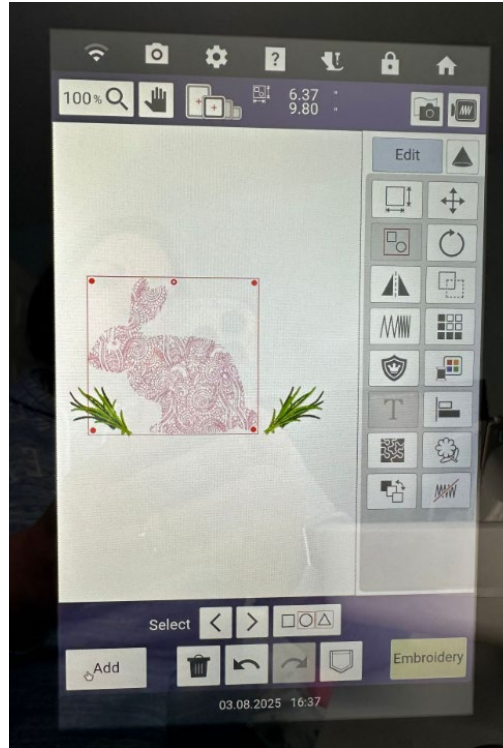
14. Select **Size**  and the option to resize with stitch recalculation.  .
15. After receiving the prompt, touch **OK**. This option will allow you to resize the design up 200% and down 60% all while adjusting the stitches.
16. **Resize** the design to approximately **2.57" X 2.57"**.
17. Touch **OK**.

18. Under Edit, select the **No-Sew Option** .
19. Under that Tab, select all of the colors except the **first two green** segments.

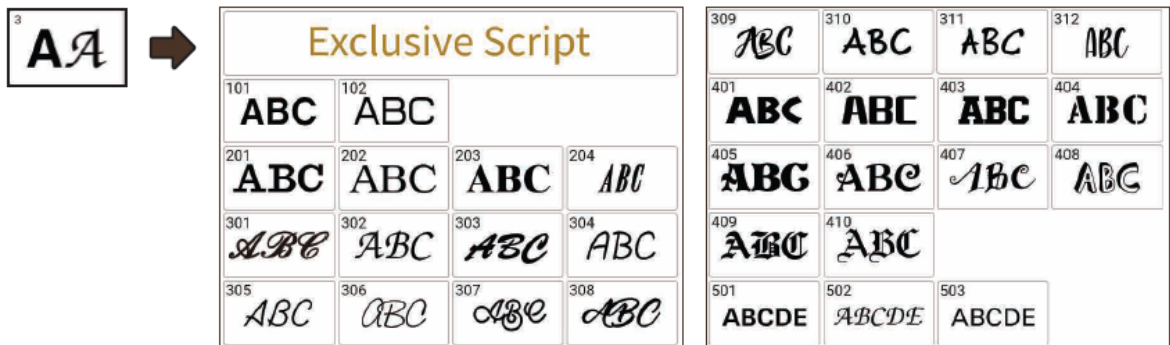


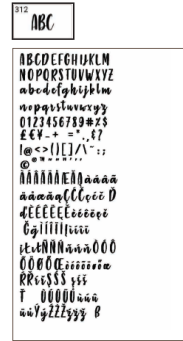
20. Touch **OK**.
21. For this design, I placed four different sprigs of grass below the bunny design.
22. Once you have the no-sew options, **Duplicate**  the design.
23. Then **Move**  the design into position.

24. **Rotate**  and **Resize**  the Designs to give you the look you want for your grass.
 Note: The smaller center grass pieces are sized to 2.06" X 2.54" and was rotated 330 degrees/30 degrees. The larger were not rotated, just one was mirrored.



25. Touch **Memory Pocket** to save your design
 26. Touch **Add** and select the **Built-In Fonts Tab**.





27. Click on the Font Preview Key and Select **Font # 312**.
28. This will allow you to see the font characters prior to typing in your lettering. Touch **OK**.
29. For the project, we are going to start with typing in Multiple Lines of Text. (Please note: if using version 1.05 or earlier of the software, this may cause a machine malfunction. We believe this was resolved with version 1.06. If still having issues you can either bring the lettering in first OR bring the lines in one at a time.
30. With the Radiance, you now select your font size in points. Adjust the point size to **61 pts**.
31. Type out the following in:
 - a. **Hoppy**

Repeat these steps the second line

 - b. **Spring**
32. Once that is entered, touch **Set**.
33. If using **Multi-line text**, will come in grouped.
34. **Ungroup** the text and touch the select key to allow you to select individual lines
35. Select and **Move** the “Hoppy” line of text to the top of the bunny.
36. **Move** the “Spring” below the bunny.



37. Touch **Add** and from the main screen, select the **Baby Lock Exclusives and Holiday Category**.



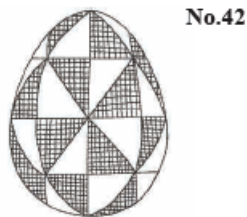
38. Select the **Egg Design #39**

39. Touch **Set**.

40. **Rotate**  and **Resize**  the Egg Design and position over the grass. This design was 2.31" X 1.81".



41. Touch **Add** and repeat the process adding **Egg Design # 38** and **Egg**



Design #42

42. **Rotate**  and **Resize**  the Egg Design and position over the grass. Egg #38 was sized to 2.37" X 1.82" and Egg #42 to 2.76 x 2.12".

43. Use the select arrows and adjust your grass sections until you get the look you like.

44. To make these stand out more on our banner and to hide the bunny and grass stitches, we are going to use the **Applique Key**  to turn these into Applique shapes.

45. Select each of the edited eggs and touch the **Applique Key**. Adjust the **distance to ZERO**. This will add the three steps of an applique right along the egg edge to turn these into a patch applique. It will add a placement, tack down and applique stitch around each egg.



46. If you want to assign different colors to the text and designs, choose the **Color Change Key**.

47. Select the designs you would like to change color and choose a new color chip. Touch **OK**.

48. If needed, use the **Design Resequencing key** to adjust the Embroidery Order.



- a. For this design, the bunny, grass, font and then applique eggs were stitched out in that order, but just can adjust and stitch the fonts last etc.

49. Once everything is laid out for your banner, you can save the design to **Memory**.

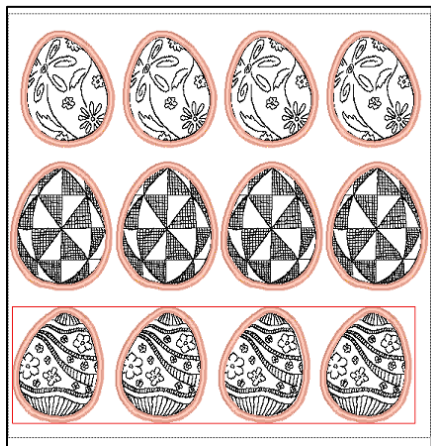
Creating Egg Applique Designs –

1. Prior to stitching on our placemat, we want to create the egg parts of the patch applique design.
2. The Applique Key creates more of a patch style applique, so we need to stitch this part of the applique separately rather than as we are creating the project.
 - a. There are workarounds to this, but we are using this project to show how the patch method is intended to work with the applique key.
 - b. Stitching through all the layers for the eggs could also prove problematic and may cause threads to break.
 - c. You could bypass the actual egg embroidery pattern and just use the applique section.
 - d. IQ Designer is another method to creating an applique and could use the shape creation key (outline extraction)  to capture the shape. Then you could use printed fabric instead of stitching out
3. As I was preparing for this project, I knew I needed multiples of the egg designs.

4. First, **hoop** a piece of Tear-Away firm stabilizer into the **10 5/8" X 10 5/8" hoop**.
5. Prepare three different **3.5" X 14" strips** of cotton with a fusible stabilizer like Pellon SF101.
 - a. NOTE: If just doing a single egg, you would be able to use a 4" X 4" piece of fabric for each of the eggs and potentially a smaller hoop size.
 - b. Felt or other fabrics would also be a nice option for creating the egg patches.
6. With the full design on the screen (and saved to Memory), we want to just select the applique egg designs.
7. Use the **Multiple Selection Key**  and then select all option .
8. Then use the selection arrows to **Unselect** the three egg designs.
9. Once all three are unselected, touch **OK**.
10. On the **Embroidery Edit** screen, touch the **Delete** key. 
11. This will remove everything but the three eggs.
12. If you are only needing one of each,
13. In my example, I wanted to stitch out multiples since I was going to create a table runner and some placemats as well as the pennant.
14. To do this, I used the Border Function/Pattern Repeat Key. 
15. First, go to **Machine Settings, page 8** and turn the **Embroidery Frame Key to the 10 5/8" X 10 5/8" hoop**. This will give us a visual on screen to keep our design inside that frame size.
 - a. **Please NOTE:** This has NOTHING to do with telling the machine the hoop you are planning to use. It just give you a visual on screen to help when laying out a design to ensure you keep it in a particular hoop size.
16. Touch **OK**.
17. On screen, take one of the egg designs and move it up to the top left corner of the frame display. Then move the others below it is giving yourself space in between for fabric placement.
18. If desired, use the **Color Key**  to change the color of the egg design.



19. Using the Border Function , repeat the design 3 times horizontally to the right.
20. Touch **OK**.
21. **Repeat** the process for the other egg designs.



22. Touch **Add**.
23. Select the **Frame Pattern Category**. 
24. Choose a **rectangle or square shape, #10**.
25. Touch **Set**.
26. **Resize**  the frame shape.
 - a. **Note** : There is no option for resizing with stitch recalculation as the frames can be resized whatever size needed.
27. **Adjust the size** so they act like a basting stitch to secure the strips of fabric.
 - a. You can do this if just using a small piece of fabric as well to help float that in the hoop.
28. **Duplicate** the frame and adjust around each repeated row of eggs.
29. Use the **Design Resequencing key** to adjust the Embroidery Order.  to place the basting outlines first.
30. Save the design to **Memory**.
31. Touch **Embroidery**.

Stitching out the egg patch design in Embroidery –

1. **Attach the 10 5/8" X 10 5/8"** hoop with Tear-Away stabilizer to the machine.
2. Stitch out the three frame stitches to act as a placement line on the stabilizer.
3. Go to the **+/- key** and reset the design back to the beginning.
4. Place the first egg fabric strip over the placement line and then stitch down the fabric.
5. **Repeat** for all three fabric colors.



6. **Stitch** the repeated egg designs. These are automatically color sorted so each row will continuously stitch



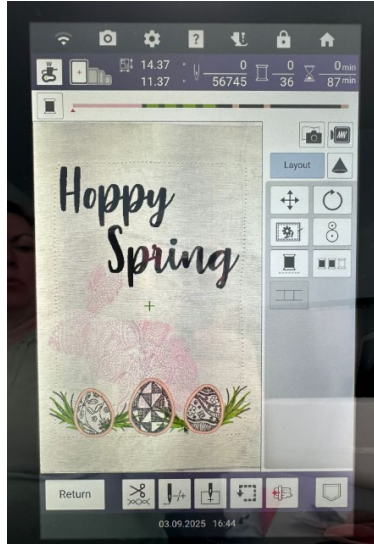
7. **Include stitching out the Applique Material** step for your design OR allow excess fabric when trimming the egg shapes.
- Since the Applique feature only allows you to go to 0.00", this placed the applique stitch right up to the edge of the pattern, not overlapping.
 - If you cut along the edges (like I did), you can always go back and ungroup the applique egg designs and just resize that applique part of the design so it will be smaller and catch along the edges.
8. Once completed stitching, remove the fabric from the hoop and cut the sections apart.
9. Trim along the Applique material or cute about ¼" around the design to ensure you have enough fabric (see step 7 above).
10. Save these cut pieces for the stitch out of the embroidery designs.

Stitching out the design in Embroidery –

- With the Egg Patches created and cut, we are now ready to stitch out the design.
- Recall the saved design from **Memory**. Touch **Set**.

Radiance 101 – Embroidery Basics Project

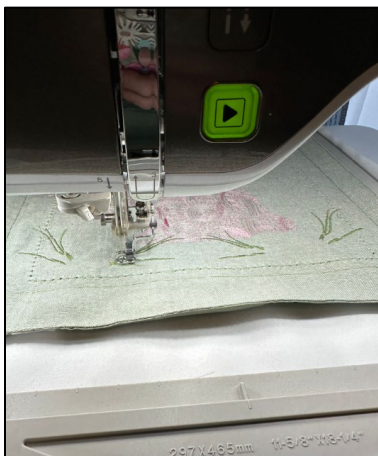
3. Touch **Embroidery**.
4. Place hoop with the placemat on the machine.
5. Prior to stitching we will **scan** the background using the needle-cam. This will allow us to work around any trims or stitching on your placemat.

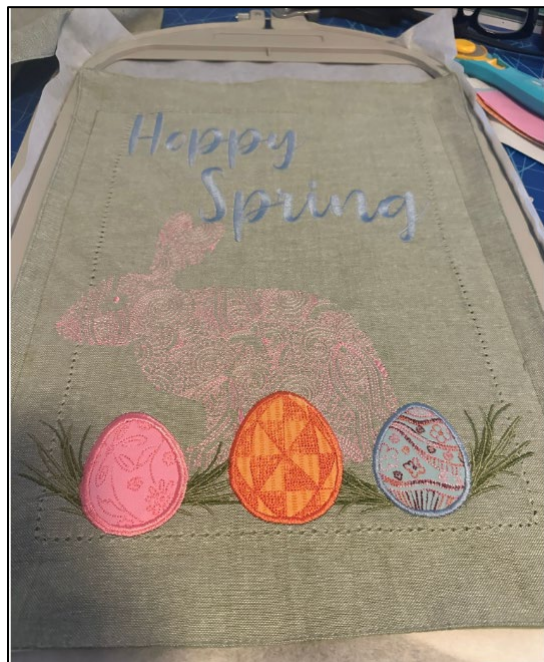


6. If you need **to edit** the design placement after scanning, touch Return and go back to Embroidery Edit.
7. **Move, resize or rotate** the designs to ensure that they will fit on the scanned placemat.
8. After making changes, touch **Memory** to save the design again.
9. Touch **Embroidery**
10. If any placement is needed, use the move keys to move the entire design.
11. **Option- Add a Basting Stitch** is another option if you are floating your fabric in the hoop.
 - a. This will stitch first and can inflate the overall size of your design.
 - b. The Basting distance can be adjusted in the machine settings.



12. **Color Sort** would help us with this but because the designs are overlapping, this is not the best option. Use your **+/- key** to advance through the grass sections to manually color sort.
13. Stitch out the design on your fabric.
14. **APPLIQUE NOTE:** When you are ready to stitch out the applique, you will want to **SKIP** the actual egg design since we previously stitched these out. Use your **+/- key** to advance past those designs until you get to the applique. These could also have been turned to no-sew  on the Embroidery Edit screen prior to stitching. This is similar to how we turned off sections of the Green onion design to create the grass sections.





Stitching the Banner together. –

1. From the Home Screen, select **Sewing**.
2. Under Tab 1 of the Utility Stitches, select **stitch 1-03**.
3. Place the stitched placemat/fabric right sides together with another placemat/fabric piece.
4. Stitch about a ½” seam allowance along the top edge of the placemat.
5. Once stitched, flip the fabrics, wrong sides together.
6. Mark a line about 1 – 1.5” along the top of the sewn placemat/fabric to create a casing.
 - a. Since this can be used to create a banner or garden flag, adjust the size to be appropriate for that project.

7. Once the casing is in place, stitch along the edges from the casing line down on each side.



Optional – Table Runner and Placemats–

1. If making the pennant is not something you would like to create, this same design concept can be used for embroidering on a table runner and/or placemats to make a cute spring set.
2. Again, a table runner and set of placemats was purchased. Click [Here](#) to find details on the coordinating table runner.
3. For this, the original design was broken into two designs.
4. First, use the “Hoppy Spring” text and bunny to create a center design of your table runner.
5. Embellish both bottom ends of the table runner with the Egg applique and grass design.
6. For a placemat, create a corner piece using the grass and one of the Egg appliques.



Have fun playing with all the amazing Radiance Embroidery Features learned in the class today!

