

**BERNINA
5 Series****Garden Tool Bag**

Created by Kay Hickman

Spring is just around the corner, a time for gardening and adding a bit of creativity to landscape. Whether gardening is a joy or a chore, you can add a bit of zip to your outdoor duties by creating a simple tool carrier made special with bright fabrics, laminates and custom embroidery from the new BERNINA Exclusive Embroidery Collection, Lilified.

Using the BERNINA 580 E as your indoor creative partner, we will customize this project with appliqué by embroidery machine and quick binding techniques!

**Supplies****Machine & Accessories**

- BERNINA 580 Sewing & Embroidery Machine
- BERNINA Large Oval Hoop
- Teardrop Embroidery Foot #26
- Zigzag Foot with Non-Stick Sole #52/#52C/#52D
- Open Embroidery Foot with Non-Stick Sole #56
- Binder Attachment #88 (38mm) and Foot #95C

Embroidery Design Collection

- BERNINA Exclusive Embroidery Collection - Lilified #82003. Designs used in this project: 82003-07 "G" / 82003-29 Flower Appliqué.

Fabric & Notions

All fabrics are from the Lilified Fabric Collection by Benartex and are laminated with Therm-o-web HeatnBond® Iron-on Vinyl.

- 10 ½" x 33" for embroidered front panel (5966-33)
- Two 3 ¼" x 33" for front side panels (5970-32)
- 16" x 33" for inside lining (5971-44)
- 17" x 23 ½" fabric for inside pockets (5970-32)
- Two 4" x 15" for handles (5970-32)
- Fabric for appliqué—cut slightly larger than chosen appliqué design.
- Therm-o-web HeatnBond® Iron-on Vinyl (*Cut one vinyl piece for each of the above fabric pieces including appliqué design background piece.*)

- ½ yard of green print (5966-44) to make 5 yards of bias strips - cut a scant 1 ½" wide
- Two ½" diameter x 16" length dowel rods
- OESD Stabil-Stick Tear Away Stabilizer
- Organ Titanium Embroidery Needles—Size 75
- Microtex Needles - Size 75 for construction
- Blue painter's tape
- Best Press Spray Starch Alternative
- Seam Sealant

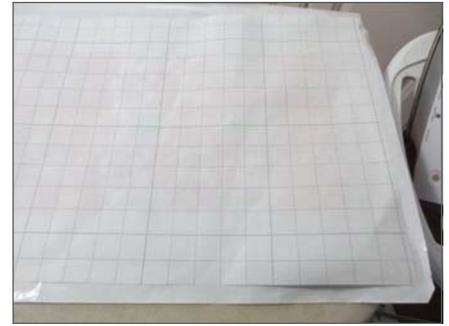
Threads

- Isacord Threads for embroidery
- Embroidery Bobbin thread
- Metrosene thread for construction

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Apply Laminate to Apron & Appliqué Fabrics

- Cut Apron fabric pieces and embroidery appliqué piece according to the measurements on page 1 under Supplies.
- Apply HeatnBond® Iron-on Vinyl to the right side of all fabric pieces (except for binding) following manufacturer's guidelines.



Tips for Working with Laminated Fabric

- Use clips instead of pins. Pins will leave permanent visible holes in the fabric.
- Use a presser foot with a non-stick sole for best results when stitching. *Zigzag Foot with Non-Stick Sole #52C and Open Embroidery Foot with Non-Stick Sole #56 are used in this project.*
- Options for marking laminated fabrics include:
 - ◊ Mark on the wrong (un-laminated) side of the laminated fabric.
 - ◊ Place painter's tape in area to be marked and mark on the tape.
 - ◊ Fold the fabric and *lightly* crease mark.
 - ◊ Use a Frixion marking pen, but use light strokes and not a lot of pressure. (This pen's marks can be removed with heat. Place a non-stick pressing sheet over the laminated fabric before using the iron set on a low setting to remove the marks.)

Prepare Bias Strips for Edge Finishing

- For best results, press fabric with Best Press Spray Starch Alternative *before* cutting.
- Cut bias strips a scant 1 1/2" wide for use with the 38mm binder. Seam the short ends together with a diagonal seam to make one long continuous piece totally about 5 yards of bias strips.



Set-up the Embroidery Designs

- Insert the USB stick containing the designs for the Lilified Collection into the machine. Note: if you purchased the designs on a CD, use either ArtLink Embroidery Software (provided on the CD), or BERNINA Embroidery Software to save the design to the USB stick for the 580 machine.
- Touch the Home icon and select Embroidery Mode.
- Select the USB icon and find the "G" design (#82003-07) you saved to the USB stick. The "G" will appear on the editing screen on the machine.
- Touch the Edit icon.
- Select the Rotate icon. Touch the Rotate motif in 90° steps until the G is lying with the top to the left and the side of the G along the bottom of the screen.
- Select the Back icon.
- Select the Move Motif icon. Touch the "G" on the screen and drag it to the lower part of the hoop.
- Touch the Back icon twice and touch the Selection folder.



-  • Touch the Add Motif icon and select #82003-29 Flower Appliqué design from the USB stick.
-  • Touch the Edit icon.
-  • Touch the Rotate Motif icon.
- Turn the Stitch Width Knob until the value on the screen reads –131.
-  • Touch the flower on the screen and move it to the upper part of the screen.
-  • Touch the Back icon two times.
-  • Touch the Selection folder icon.

-  • Select the Add Motif icon.
-  • Select the Embroidery Computer icon.
-  • Select the Alphabet #5 (Chateau).
-  • Select the lower case icon.
-  • Type “arden” and touch the green check mark.
-  • Select the Edit icon.
-  • Select the Rotate Motif icon.
-  • Touch the Rotate Motif in 90° steps 3 times.
-  • Select the Back icon.
-  • Select the Rescale Motif Proportionally icon.
- Turn the Stitch Width knob to the left until the value on the screen reads 75.
-  • Touch the letters on the screen and drag it into the position as shown.
-  • Select the Back icon twice. Then select the Selection folder.

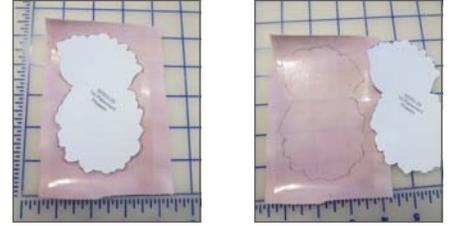
-  • Select the Add Motif icon and select Alphabet #5 (Chateau).
-  • Touch the “T” in the upper case.
-  • Select the lower case icon and type “ools”.
-  • Touch the green check mark to confirm.
-  • Select the Edit icon.
-  • Touch the Rotate Motif in 90° steps 3 times.
-  • Select the Back icon.
-  • Select the Rescale Motif Proportionally icon. Turn the Stitch Width knob to the left until the value on the screen reads 75.
-  • Touch the word “Tools” on the screen and move it into position as shown on the right.
-  • Touch the back icon.
- The lettering / design combination is now ready to stitch.



Prepare the Appliqué for the Embroidery

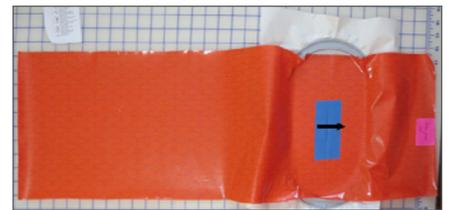
The following directions are for using traditional pattern method to cut out the appliqué pieces with scissors. The collection also includes bonus Cut-Work files to use with the CutWork Tool. Instructions for using the Cut-Work Tool and the files are included with the collection.

- Print the appliqué pattern piece from the PDF that accompanies the design collection. *Specific printing directions are on the appliqué pattern PDF.*
- Cut out the appliqué pattern piece and place it on the top of the laminated fabric. Trace around the pattern. (*Caution: do not use a temporary adhesive spray to adhere the pattern piece to the top of the laminated fabric.*)
- Cut out the pattern piece(s) and set aside.



Embroider the Front Panel

- Mark the horizontal center position for the front cover 9" from one short end.
- The vertical center will be the vertical center of the fabric (5 ¼" from each side).
- Draw an arrow on a piece of blue painter's tape to denote the top of the design.
- Hoop a piece of Stabil-Stick Tear Away by itself in the hoop with the paper side up.
- Position the hoop's plastic template over the inner ring of the hoop and mark the hoop's center horizontal and vertical lines on the back of the hooped stabilizer.
- From the right side, score and remove the paper to reveal the sticky stabilizer. You should be able to see the marks through the stabilizer.
- Position the marks on the fabric over those on the hooped stabilizer. Smooth pocket fabric carefully in place.
- Attach the hoop to the machine. Roll the excess fabric on the right of the hoop and clip to hold out of the way so that it will not interfere with hoop movement.
- Bring the design of your choice onto the editing screen of the machine. Rotate the design if needed so that the top of the design and the position of the painter's tape are correctly positioned. Start stitching the design.
- When a placement line stitches, stop the machine and carefully remove the hoop from the machine.
- Spray the WRONG SIDE of the appropriate appliqué piece with a VERY small amount of temporary adhesive spray. *Caution: keep spray from coming into contact with any laminated surface.*
- Position the appliqué over the placement lines stitched in the hoop. Be as precise as possible to ensure accurate stitching.
- Return the hoop to the machine and continue stitching the design.
- After the design has finished stitching, remove the hoop from the machine and the fabric from the hoop.
- Carefully separate the stabilizer adhesive from the back of the fabric. Place the fabric face down on a flat surface and use your fingernails to support the stitches as you gently tear the stabilizer away from the outside edges of the design.



Piece the Sides to the Front Panel

- With right sides together, and using a $\frac{1}{4}$ " seam allowance, stitch a $3\frac{1}{4}$ " x 33" strip on each side of the embroidered piece.
- Set aside.



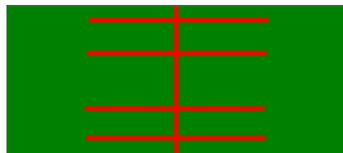
Prepare & Bind the Inside Pocket Panel

- Mark stitching lines on pocket panel
 - ◊ 2" in from each short side
 - ◊ 8" in from each short side
- Bind both long edges of the pocket panel.
- Attach the Binder Attachment #88 (38mm) and Foot #95C to the machine. *NOTE: Test stitch the binder using the #95C foot for binding the vinyl fabric. If the foot does not ride smoothly over the surface of the vinyl, remove the foot and place blue painter's tape on left side of the foot sole. Make sure that the tape is completely removed from the needle slot area. Frequently check the bottom of the sole to make sure that the tape has not become loosened.*
- Swing the front part of the binder toward you and insert the bias strip into the end of the binder.
- Use an awl or a skewer to encourage the binding into the scroll. As the binding comes out of the tip of the binder, the fabric edges will automatically be folded. Finger press the fold.
- Swing the binder back into place and position the binding under the foot. Adjust the needle position on the machine so that the needle will penetrate both folded edges of the binding.
- Place the fabric to be bound between the scrolls. Allow the fabric edge to ride up along the wall of the binder. Check to ensure that the stitching is catching the top and bottom folds of the binding and that the fabric is filling the binding.



Attach Inside Pocket Panel to Lining

- Mark the lining for pocket alignment:
 - ◊ Mark a line 2" from each long edge.
 - ◊ Mark two more lines 5" from each long edge.
- Place the lining right side up on the cutting table.
- Position the pocket over the lining with the bound edge toward the short sides. The centers of both pieces should be aligned.
- Place painter's tape at the pocket centers.
- Align the side edges of the pocket with the side edges of the lining and clip into place.
- Edge-stitch the sides of the pocket to the lining.
- Align the 2" marks on the pocket with the 2" mark on the lining and stitch from one bound edge to the other. Backstitch securely at each end.



- Align the 8" lines on the pocket with the 5" lines drawn on the lining and pin.
- Stitch each line from binding edge to binding edge. Backstitch at each end. (Manipulate the fabric as you stitch. The laminated fabric will feel very stiff, but if you take only one seam at a time, it should work fine.)
- Manipulate the excess fabric between stitching lines to form pleats.
- Use painter's tape to hold the pockets in position at the top and bottom.
- Center a strip of painter's tape at the center of the pocket to hold center pleats in place.
- Stitch along the long edge of the painter's tape on both sides.
- Remove the blue tape.

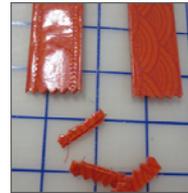
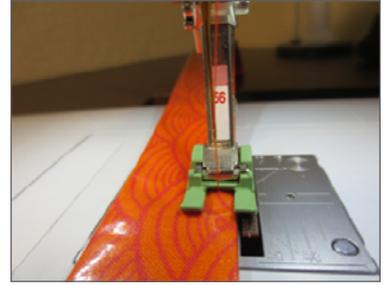
Attach Front to Back, Bind & Create Rod Pockets

- With WRONG sides together, place the lining/pocket piece over the embroidered front piece. It is important that the front and back be EXACTLY the same size. Trim edges as needed.
- Edge-stitch along all four sides of the front/back.
- Bind both long edges of the fabric sandwich. Refer to the Binder instructions on page 4 (*Binder Inside Pocket Panel*) for details on binding.
- Cut the ends of the binding even with the top and bottom edges of the fabric.
- Bind the top edge of the fabric from edge to edge, and then bind the bottom edge of the fabric. Allow a couple of inches of binding to extend on each side.
- To create a "rod pocket," fold the top edge 2" to the wrong side. From the wrong side, stitch from side to side. Tuck the excess binding tail under as you begin and end the stitching.
- Repeat for the bottom edge.



Create the Handles & Attach to Bag

- Create the handles:
 - ◊ Fold the 4" x 15" handle in half lengthwise with wrong sides together.
 - ◊ Open the fold and fold each cut edge to the center.
 - ◊ Fold in half again and press.
- Attach Open Embroidery Foot #56 to the machine. Position the inside of the right toe along the fold of the handle. Adjust the needle position to the far left. Increase the Stitch Length to a 3 and stitch down one long edge.
- Select the Mirror Image Left / Right Icon. Align the inside of the left toe along the left folded edge of the handle.
- Repeat for the second handle.
- Trim the short ends with pinking shears.



Attach Handles to Bag

- Place the handles on the front of the tool bag. Position the short cut edges approximately 1 1/2" from the top folded edge with the sides of the handles approximately 5" in from each side. The loop of the handle will be toward the center of the bag at this time. Secure with painter's tape.
- Stitch across the handle two or three times about 3/4" from the cut edge.
- Flip the handle up to the top of the bag.
- Stitch through all thicknesses about 1/2" from the folded edge of the handle.
- Repeat steps for the back handle.
- Insert a dowel rod into the opening at each end of the Tool Bag.



Your Tool Bag is now ready for gardening fun!

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Garden Apron

Garden Kneeling Pad