



Getting to Know: *Grace*

A-LINE SERIES
Model BL40A



FOR THE LOVE OF SEWING

Baby Lock Consumer Helpline: 800-313-4110
www.babylock.com



Grace

A-LINE SERIES Model BL40A

If you're an ambitious sewer, Grace can help you get to the head of the class when it comes to your sewing projects. This versatile machine is equipped to take your sewing to the next step with project-enhancing features and everything you need to make challenging projects a breeze. From timeless, classic fashions to modern crafts and décor, Grace will always be there to lend a hand.

This Getting to Know Guide will take you through a simple, step-by-step process on how to wind your bobbin, thread the machine, set stitches and more. Once you're familiar with your machine, refer to the instructions and reference guide (packaged with your machine) for additional directions.

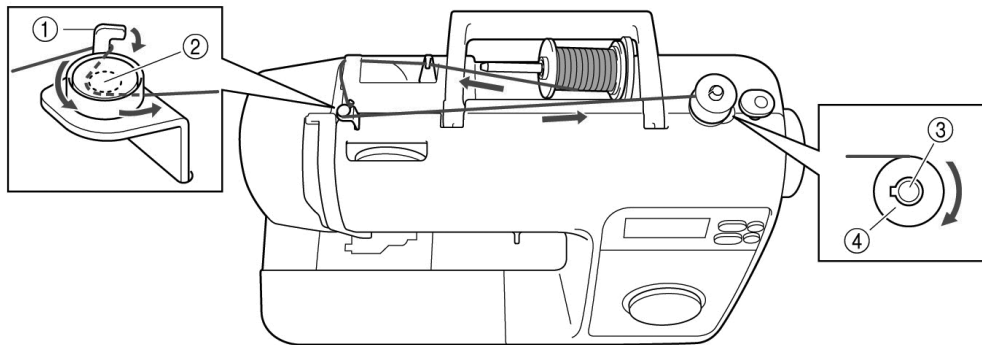
Like all machines in the A-Line Series, Grace has the features and the durability to handle all of your projects – you can always count on her to be there for you. Be sure to ask your Baby Lock Retailer about Grace's friends in the A-Line Series; like Lauren, Natalie, Maria and Audrey. From classic tailored looks to modern-day fashions, the machines in the A-Line Series will help you sew and serge with success – all with the quality you've come to expect from Baby Lock.



FOR THE LOVE OF SEWING

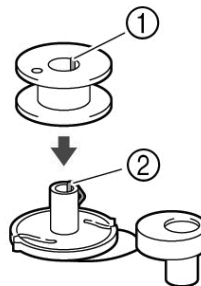


Winding the Bobbin



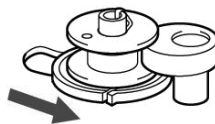
- ① Hook for the bobbin-winding thread guide
- ② Pretension disk
- ③ Bobbin winder shaft
- ④ Bobbin

1. Place the bobbin on the bobbin winder shaft so that the spring on the shaft fits into the notch in the bobbin.

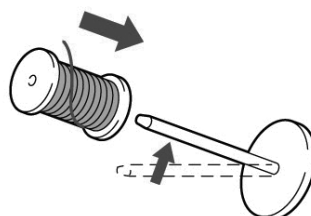


- ① Notch
- ② Bobbin winder shaft spring

2. Slide the bobbin winder shaft to the right until it snaps into place.



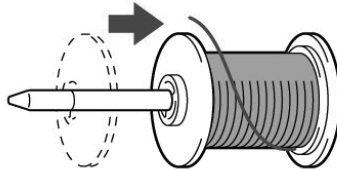
3. Fully insert the spool of thread for the bobbin onto the spool pin. Slide the spool onto the pin so that the spool is horizontal and the thread unwinds to the front at the bottom.



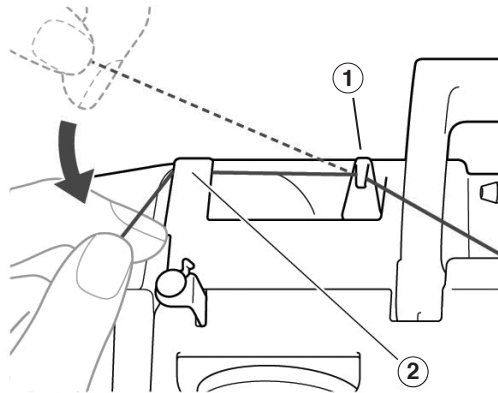


Winding the Bobbin

4. Slide the spool cap onto the spool pin.

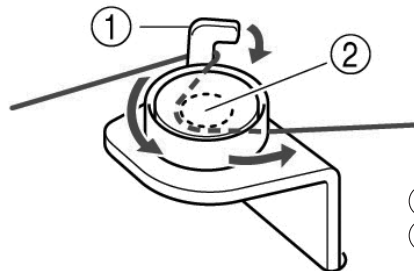


5. **Pull some thread off the spool and pass the thread under the thread guide, then behind the thread guide, cover from the back to the front.** Hold the thread with your right hand so that there is no slack in the thread after placing it under the thread guide, and then pass the thread behind the thread guide cover with your left hand.



- ① Thread guide
- ② Thread guide cover

6. **Pull the thread, pass it under the hook of the bobbin-winding thread guide, and then wind the thread counterclockwise between the discs, pulling it in as far as possible.**

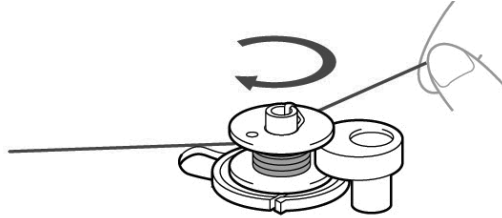


- ① Hook for the bobbin-winding thread guide
- ② Pretension disk

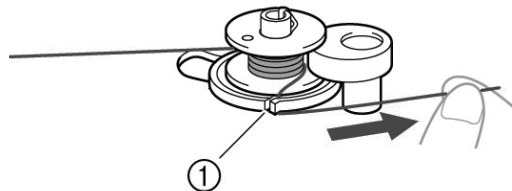


Winding the Bobbin

7. While using your left hand to hold the thread that was passed through the bobbin-winding thread guide, use your right hand to wind the end of the thread clockwise around the bobbin five or six times.

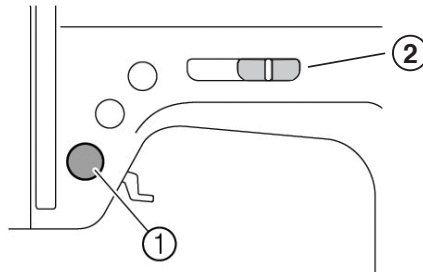


8. Pass the end of the thread through the slit in the bobbin winder seat, and then pull the thread to the right to cut it. The thread is cut to a suitable length.



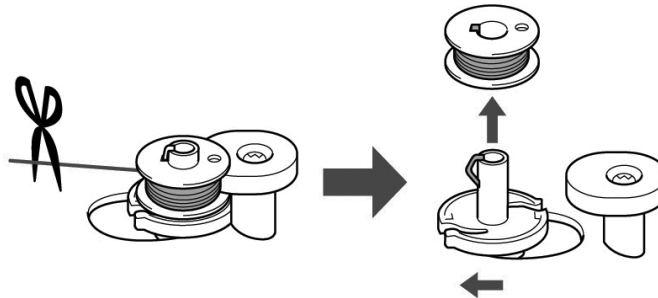
① Slit in bobbin seat (with built-in cutter)

9. **Press start/stop button once.** The bobbin starts spinning and the thread is wound around the bobbin. Slide the sewing speed controller to the right to increase the speed, if desired.



① Start/Stop button
② Sewing speed controller

10. When the bobbin winding becomes slow, press start/stop button once to stop the machine.



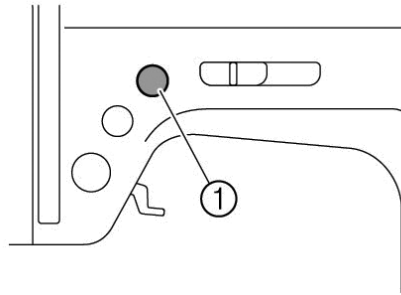
11. Cut the thread, slide the bobbin winder shaft to the left, and then remove the bobbin from the shaft.

NOTE: When the sewing machine is started or the handwheel is turned after winding the bobbin, the machine will make a clicking sound; this is not a malfunction. Sewing is not possible while the bobbin winder shaft is moved to the right.



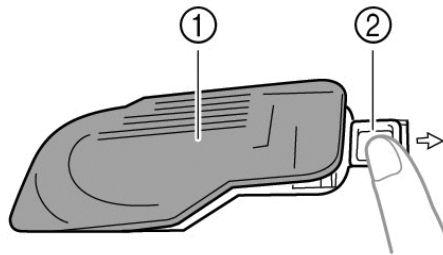
Inserting the Bobbin

1. Press needle position button once or twice to raise the needle, and then raise the presser foot lever. Turn OFF the sewing machine (set it to “O”).



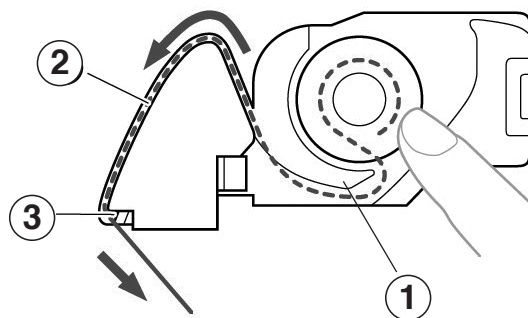
① Needle position button

2. Slide the latch on the right side of the bobbin cover to the right, and then remove the bobbin cover.



① Bobbin cover
② Latch

3. Insert the bobbin so that the thread unwinds to the left side and catches under the tab. Lightly hold down the bobbin with your right hand, and guide the thread through the slot, and then pull it toward you to cut it with the cutter. The cutter cuts the thread.

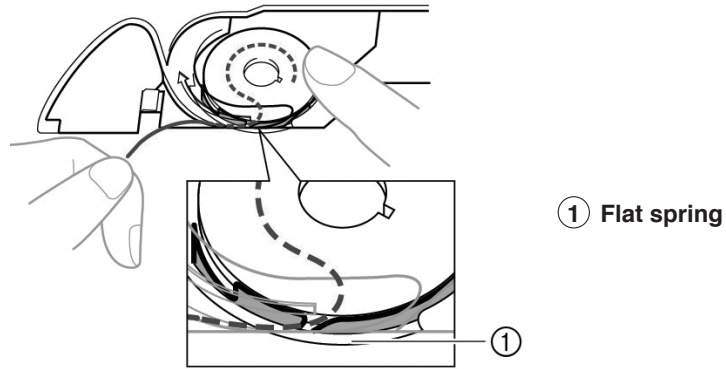


① Tab
② Slot
③ Cutter

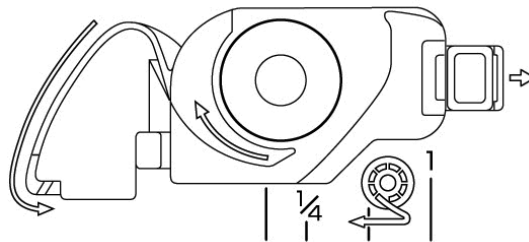


Inserting the Bobbin

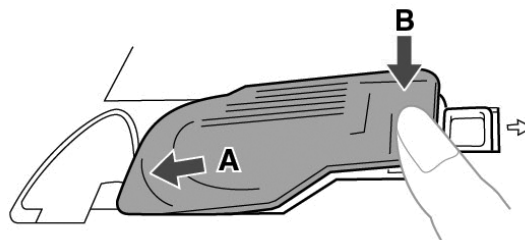
4. Make sure that the thread is correctly passed through the flat spring of the bobbin case. If it is not inserted correctly, reinsert the bobbin.



5. The direction for feeding the bobbin thread is indicated by marks around the needle plate cover. Be sure to thread the machine as indicated.



6. Reattach the bobbin cover. Insert the tab of the bobbin cover (A) in the lower-left corner, and then press down on the right side (B).

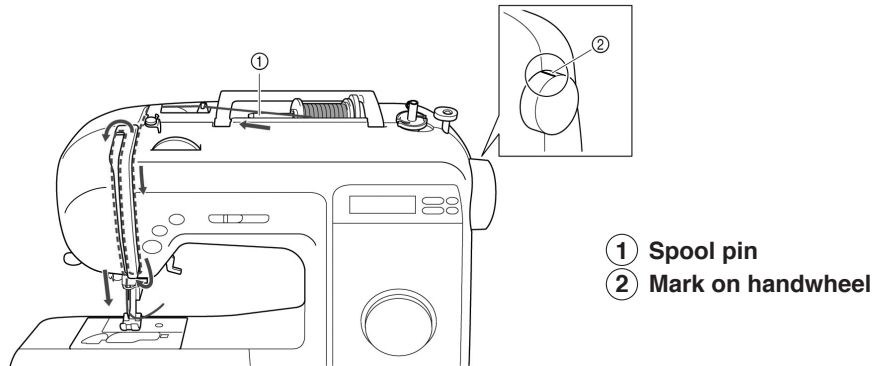


NOTE: You can begin sewing without pulling up the bobbin thread.

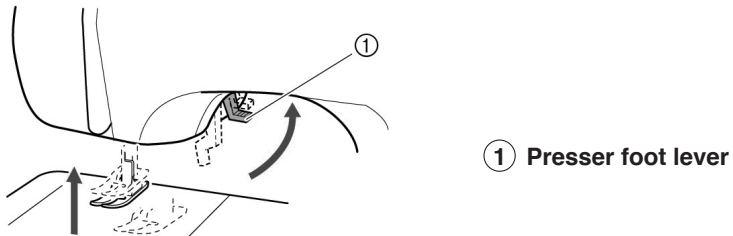


Threading the Machine

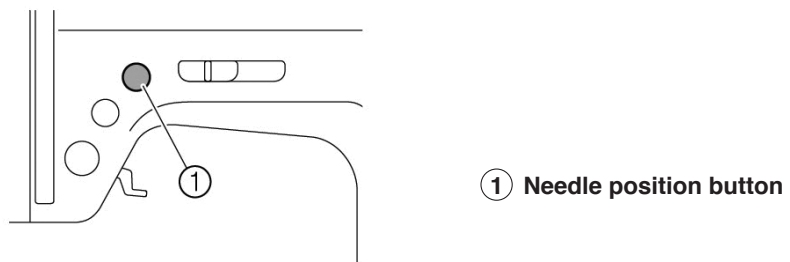
1. Raise the presser foot lever so the sewing machine can be threaded correctly.



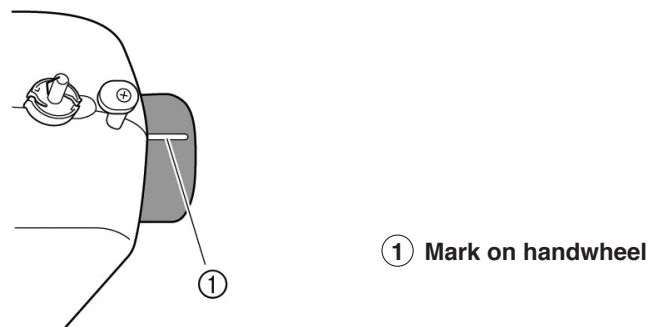
NOTE: The needle threader can be used with sewing machine needles 75/11 through 100/16. The needle threader cannot be used with a wing needle, the twin needle or threads with thicknesses larger than 130/20.



2. Press needle position button



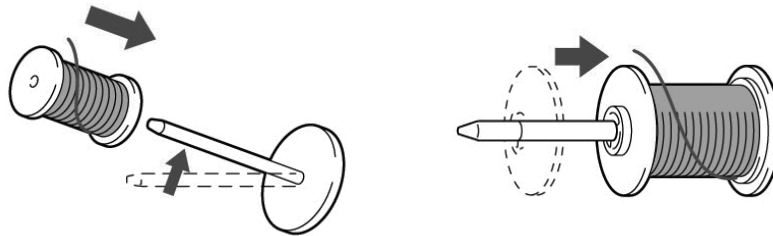
NOTE: If the needle is not correctly raised, the sewing machine cannot be threaded. Check that the mark on the handwheel points up as shown in the illustration below. If the handwheel is not in this position, be sure to press the needle position button to raise the needle before continuing the procedure.



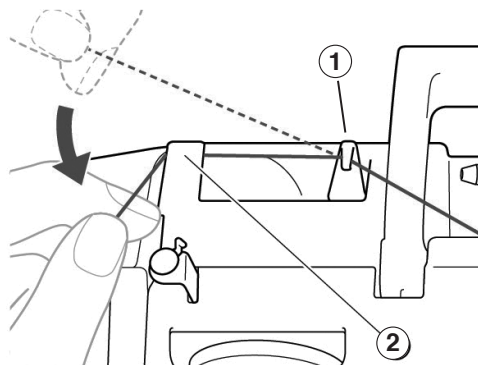


Threading the Machine

3. Fully insert the spool for the upper thread onto the spool pin. Slide the spool onto the pin so that the spool is horizontal and the thread unwinds to the front at the bottom. Slide the spool cap onto the spool pin.



4. Pull some thread off the spool and pass the thread under the thread guide, then behind the thread guide cover from the back to the front. Hold the thread with your right hand so that there is no slack in the thread after placing it under the thread guide, and then pass the thread under the thread guide cover with your left hand.

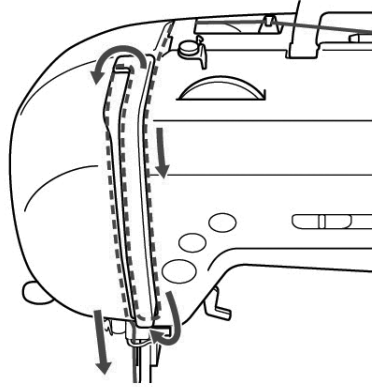


- ① Thread guide
- ② Thread guide cover

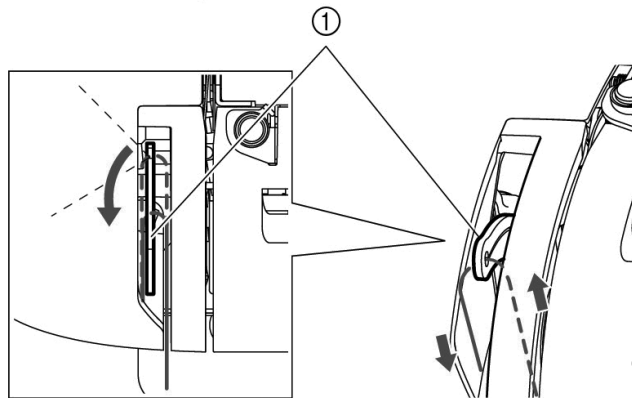


Threading the Machine

5. Thread the machine by guiding the thread along the path indicated by the number on the machine.

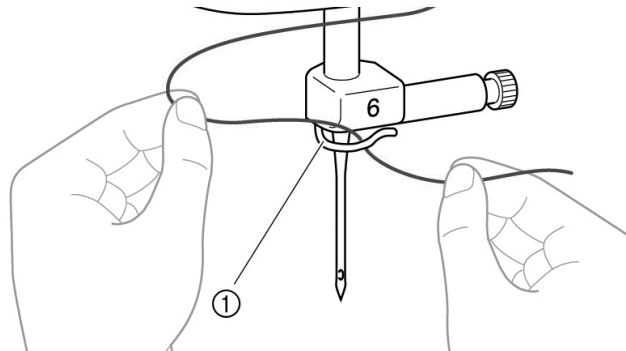


6. Slide the thread into the thread take-up lever from the right to the left.



① Thread take-up lever

7. **Pass the thread behind the needle bar thread guide.** The thread can easily be passed behind the needle bar thread guide by holding the thread in your left hand, then feeding the thread with your right hand.



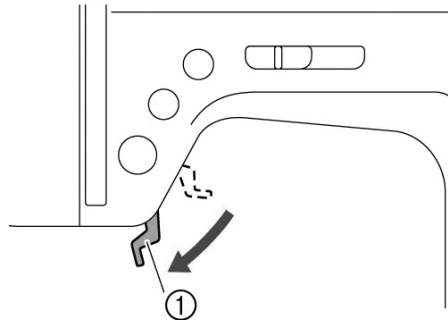
① Needle bar thread guide

8. Continue threading the machine by following the section on using the needle threader.



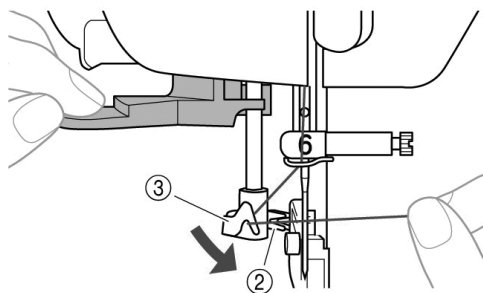
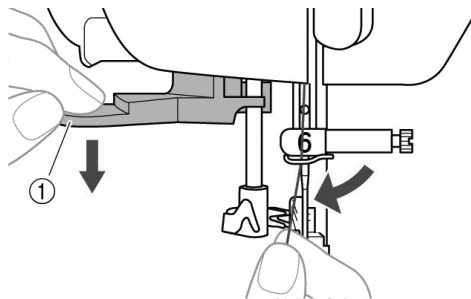
Using the Needle Threader

9. Lower the presser foot lever.



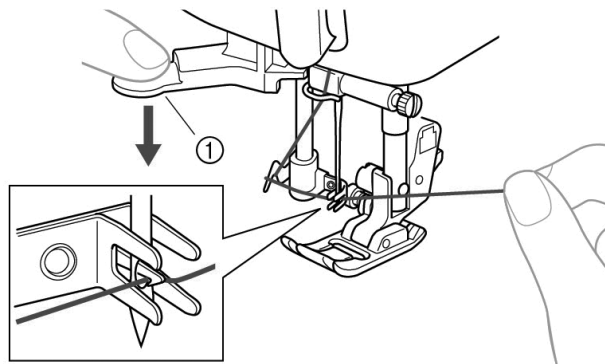
① Presser foot lever

10. While lowering the needle threader lever, hook the thread onto the guide.



① Needle threader
② Thread
③ Guide

11. Catch the thread on the hook as shown below.

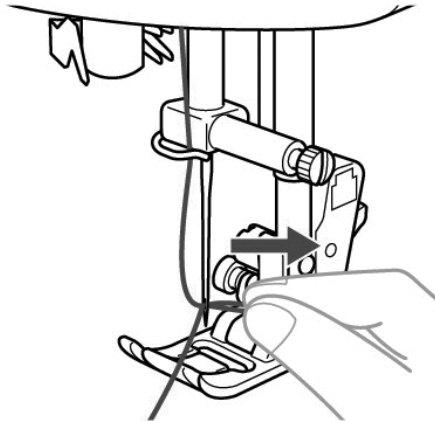


① Needle threader lever

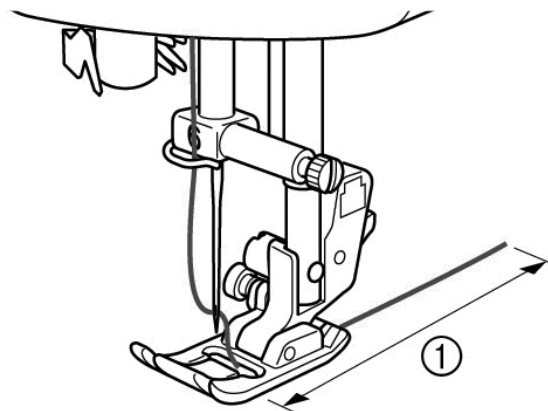


Using the Needle Threader

12. **Raise the needle threader lever, and then pull the end of the thread which passed through the eye of the needle.**



13. **Raise the presser foot lever. Pass the end of the thread through and then under the presser foot, and then pull out about 2 inches of thread toward the rear of the machine.**

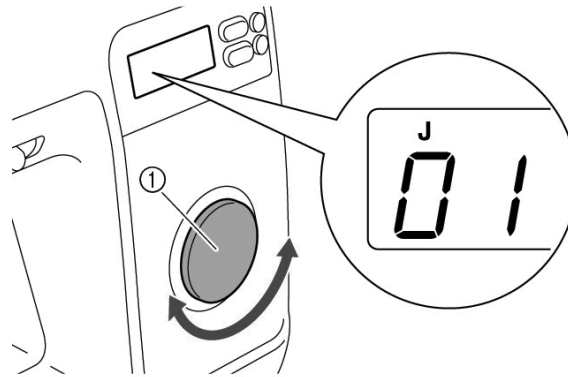


① 2 inches



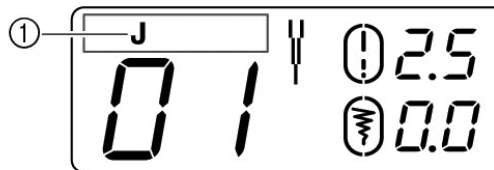
Selecting the Stitch

1. Turn the pattern selection dial to select the stitch to be sewn. Turn the dial to the right to increase the number, or turn the dial to the left to decrease the number.



- ① Pattern selection dial
- ▶ The stitch appears in the LCD screen

2. Attach the presser foot indicated in the LCD screen. The presser foot to be used is indicated by the letter (J, A, etc.) that appears above the stitch number.

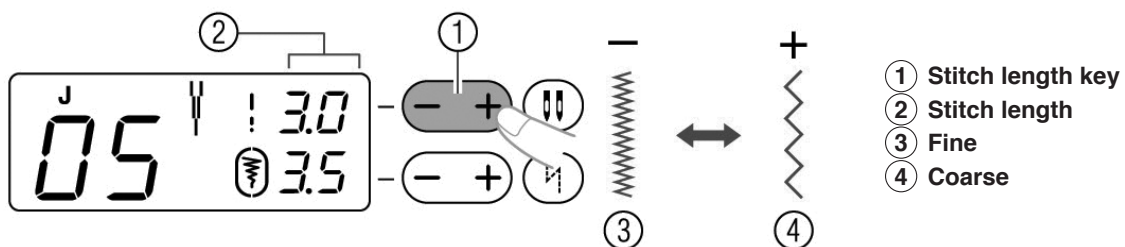


- ① Presser foot type

3. If necessary, adjust the stitch width and stitch length.

ADJUSTING THE STITCH LENGTH AND WIDTH

4. Turn the pattern selection dial until your desired stitch appears on the LCD screen.
5. Press “+” or “-” on the top row, which are the stitch length keys for adjusting the stitch length.

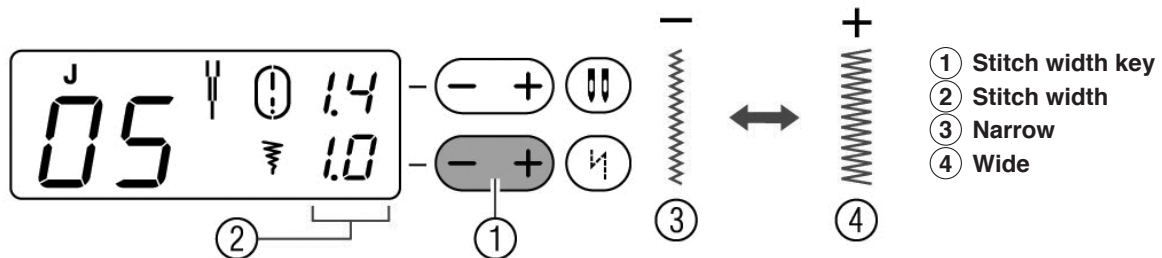


- ① Stitch length key
- ② Stitch length
- ③ Fine
- ④ Coarse



Selecting the Stitch

6. Press “+” or “-” on the bottom row, which are the stitch width keys for adjusting the stitch width.



NOTE: When the stitch length or stitch width is changed from the default setting, around or disappears from the LCD screen. When the stitch length or stitch width is reset back to the default setting, reappears around or in the LCD screen.

If the stitch width of the selected stitch cannot be adjusted, “--” appears to the right of in the LCD screen.

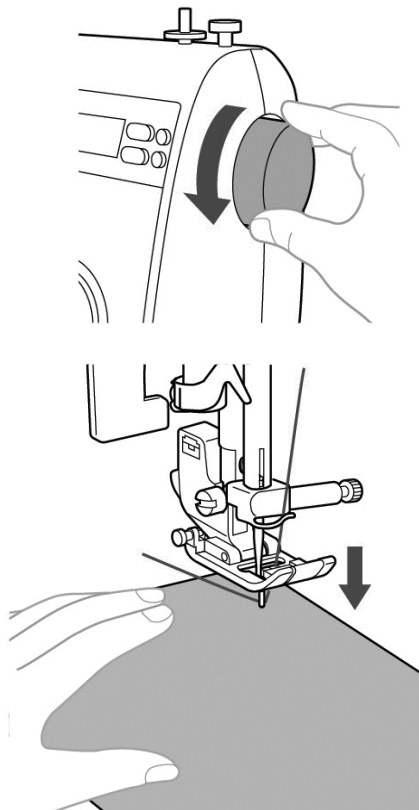


Starting to Sew

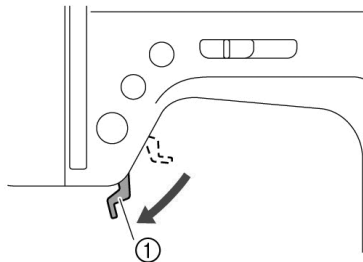
POSITIONING THE FABRIC

Be sure that the fabric pieces are sewn in the correct order and that the right and wrong sides of the fabric are aligned correctly.

1. With the foot and needle raised, place the fabric under the presser foot.
2. While holding the end of the threads and the fabric with your left hand, turn the handwheel toward you (counterclockwise) with your right hand to lower the needle to the starting point of the stitching.



4. Lower the presser foot lever.

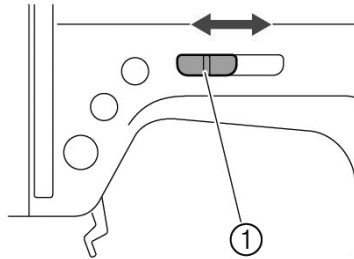


① Presser foot lever



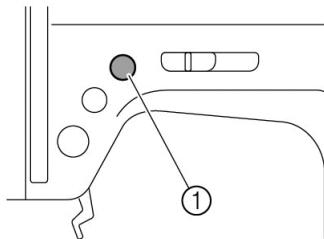
Starting to Sew

- Slide the sewing speed controller to the left or right to select the desired sewing speed. The speed set using the sewing speed controller will be the foot controller's maximum sewing speed.



① Sewing speed controller

- Connect the foot controller into its jack on the side of the machine. Once you are ready to start sewing, slowly press down on the foot controller. Pressing down on the foot controller increases the sewing speed; releasing the pressure on the foot controller decreases the sewing speed.
- When the end of the stitching is reached, completely release the foot controller. The machine stops sewing with the needle lowered (in the fabric).
- When you wish to finish the stitching and the sewing machine is stopped, press the needle position button once to raise the needle.

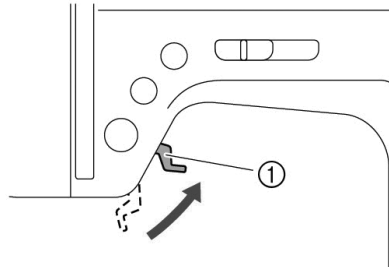


① Needle position button



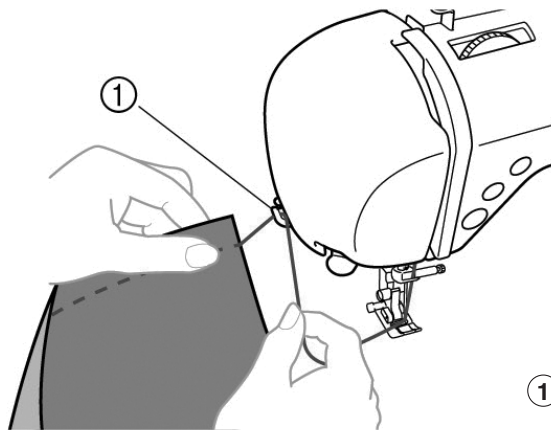
Starting to Sew

9. Raise the presser foot lever.



① Presser foot lever

10. Pull the fabric to the left side of the machine, and then pass the threads through the thread cutter to cut them.



① Thread cutter



Grace's Convertible Capri Jeans

Grace's Jump-Up Jeans – Turn a pair of jeans (especially ones with worn hems) into a pair of convertible capri pants. These fashionable, flirty capris include several length options for any kind of weather or activity, like bike riding.

Skill Level: Beginner

Supplies:

- Baby Lock Grace Sewing Machine
- Pair of jeans
- Iron and ironing board
- All-purpose thread to match
- 14 buttons
- ½ yard cotton fabric
- 1½ yard of ½" wide ribbon
- Fabric Glue or Steam-a-Seam 2 Fusible web
- Hand needle
- Scissors
- Tape Measure
- Ruler
- Pins
- Chalk
- Friend to measure you

Instructions:

1. Try on the jeans; have a friend mark a chalk line on the jeans for the desired length for the capris.

NOTE: You cannot achieve accurate measurements on yourself; as you bend down the measurement will change. Having a friend help will take only a few minutes and will give you the opportunity to tell them about your project!

2. With the jeans on a flat surface, use the chalk and ruler to draw a solid line for cutting ½" below the mark across both legs.

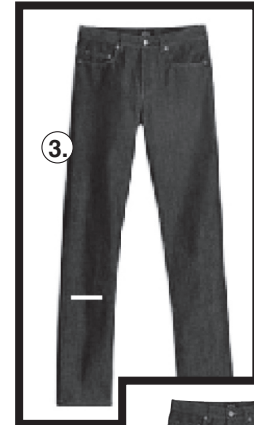
3. Cut the legs off at capri length.

4. Fold the cotton fabric wrong side out so you have four layers.

5. Lay the leg down on the wrong side of the cotton fabric. Trace the leg shape on the cotton fabric using the chalk.

6. Trace up the leg 6".

7. Cut ½" outside the traced lines on all sides. This is for the seam allowance.



8. Thread the Baby Lock Grace sewing machine with all-purpose thread.
9. Stitch the side seams of two of the cotton leg pieces together forming a tube shape.
10. Fold over $\frac{1}{2}$ " and press the top edge of the cotton piece.
11. Pin the lower cut end of the jeans leg and the cotton leg piece right sides together. Stitch the lower leg using a $\frac{1}{2}$ " seam allowance.
12. Turn the jeans wrong side out; press.
13. Glue or fuse (following the manufacturer's instructions) the upper edge of the cotton piece to the inside of the jeans leg.
14. Repeat for the other leg. Turn the jeans right side out. Fold up and press the lower edge 3" to form the cuff.

15. Stitch 5 buttons to each leg, 3 on each denim side and 2 on each cuff. To sew the buttons by machine, attach the button fitting foot M (Figure 1), select stitch 05, and lower the feed dog on the machine.

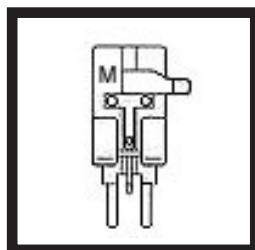


Fig. 1

16. Place the button into the button fitting foot (Figure 2).

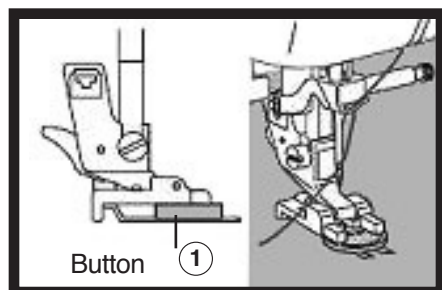


Fig. 2

17. Adjust the stitch width, and turn the handwheel to check if the needle enters into each hole in the button. Lower the foot to hold the button in place. The holes in the button should align with the slot of the foot.
18. On a four-hole button, stitch the two holes closest to you first and then slide the button so the needle aligns with the remaining holes (Figure 3). Stitch several times.

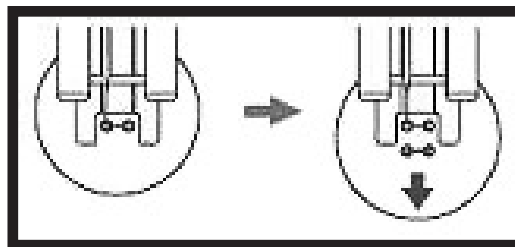


Fig. 3

19. Repeat this process until all the buttons on the legs are secure. Remember to raise the feed dog after sewing.
20. To embellish the pockets, cut two strips of ribbon the length of the pocket plus 1". Fold the ends of the ribbon under and glue or fuse (following the manufacturer's instructions) the ribbon to the top of the back pockets.
21. Using a hand needle and thread or fabric glue, place a button on both ends of the ribbon.



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