



# LEARN & CREATE

with Baby Lock

## Getting to Know Your Baby Lock Jubilant

Congratulations on the purchase of your Baby Lock Jubilant! Get to know your machine in this video with instructor Sara Gallegos.

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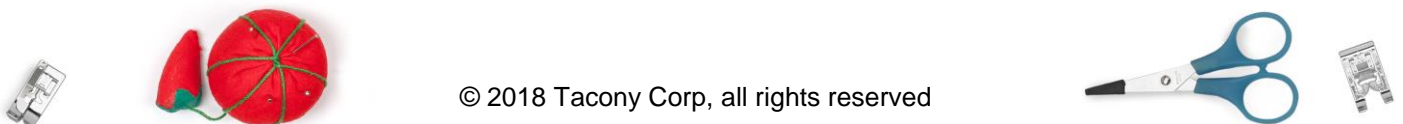
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### Helpful Features

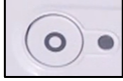
There are a lot of helpful features built into the Jubilant





1. Start Stop button
  - Use the Start Stop button to sew without the foot control
  - Unplug the foot control (The Start Stop button can only be used when the foot control is unplugged)
  - Touch the button to start sewing
  - Touch the same button to stop sewing
2. Error Message 1 if you try to sew with the presser foot up
  - The presser foot must be down when you sew
  - If you try to sew with the presser foot up, the built in error message is displayed on the LCD screen and the Jubilant will not sew until the foot is lowered.
  - The error messages are listed on page 63 of your Jubilant Instruction Manual
  - You will also find that list at the end of these instructions




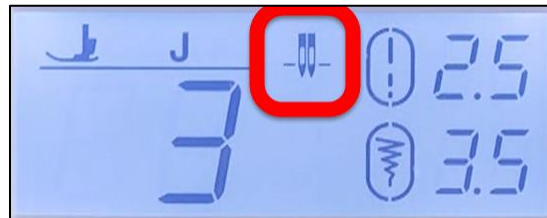
3. Reverse button 
- Touch and hold the Reverse button to sew continuously in reverse until you release the button
  - The Reverse button can also be used to indicate when it is time to do a locking stitch

4. Reinforcement button 
- The Reinforcement button will complete the pattern and then secure the stitches
  - When the button is touched, the green light indicates that the stitches will be tied off at the end of the pattern

5. Needle Position button 
- Touch the button to lift or lower the needle at any time

6. Speed Control 
- Move the slide to the right for a faster maximum speed
  - Move the slide to the left for a slower maximum speed
  - Or set it in the center for a maximum speed that is comfortable for you and your project

7. Twin Needle button 
- When the Twin Needle button is selected, a twin needle icon is displayed on the LCD screen
  - When the twin needle mode is selected, the Jubilant will not allow you to select stitches that cannot be safely used with a twin needle
  - If a stitch is selected that cannot be used with a twin needle, the LCD screen will display E3 for Error Code 3 The error messages are listed on page 63 of your Jubilant Instruction Manual
  - You will also find that list at the end of these instructions



8. Tie-Off button 



- When the tie-off button is activated, the machine will automatically secure the seam at the beginning
- When you reach the end of the seam, simply touch the Reverse



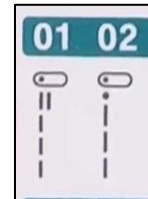
button and the Jubilant will sew tie-off stitches to secure the seam

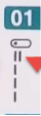
- Note that you will not have to hold the button down during the automatic tie-off


## Tie-Off Stitches

The Jubilant has a couple of different types of tie-off stitches

1. If you look at stitches 01 and 02 on the stitch chart on the front of the Jubilant, you can see that both stitches are straight stitch patterns with the needle at the left
2. The difference between these stitches is in the way each sews the tie off



3. Stitch 01 has a dash mark at the top of the stitch  which indicates that the stitch will be tied off by sewing 3 stitches forward, 3 stitches backward, and 3 stitches forward which would be a stronger to secure seams

4. Stitch 02 has a dot at the top of the stitch  which indicates that the stitch will be tied off by sewing 3 stitches in place which would be a more attractive finish for top stitching or decorative stitching

All of the tensions for each individual stitch are pre-set on the Jubilant so you should not have to adjust the tensions for normal sewing

1. You may want to adjust the tension for some sewing techniques.



2. The tension can be adjusted by using the tension dial on the top of the machine
3. The normal tension setting for most sewing is 4

The free arm of the Jubilant makes it easier to sew small areas like sleeves and pant legs



1. Remove the storage compartment by pulling it to the left to expose the free arm

The feed dogs on the Jubilant can be lowered for free motion quilting or thread painting

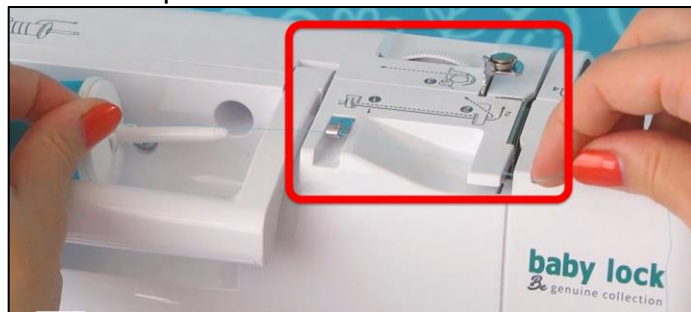
1. The lever used to lower or raise the feed dogs is on the back of the free arm on the Jubilant
2. When the lever is moved to bring the feed dogs back up, the feed dogs will still be below the needle plate
3. Turn the hand wheel one full rotation toward the front of the machine and the feed dogs will cycle back up



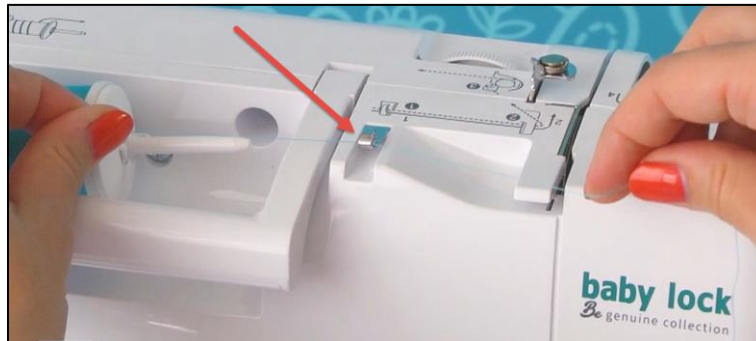
4. Or touch the Needle Position button  twice to cycle the needle down and back up to bring the feed dogs back into play

## How to Wind a Bobbin

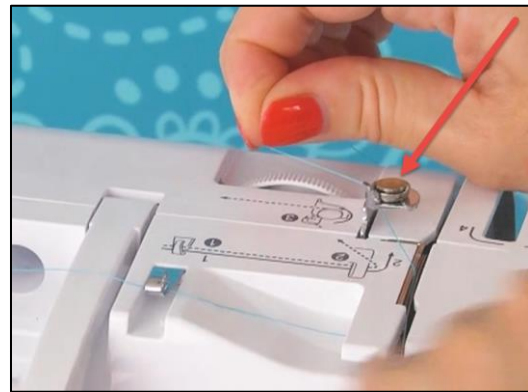
1. There is a threading diagram on the top of the Jubilant
2. Select a spool cap that fits the spool
  - The cap should be the same size or just slightly larger than the spool
3. Place the thread on the spool pin at the top of the machine



4. Place the thread cap on the spool pin and make sure it is snug against the top of the spool
5. When winding a bobbin, follow the dashed line
6. The thread goes first into the metal clip (Note that the picture below was taken from the back of the machine)



7. The thread then passes around the tension guide from back to front
  - Make sure the thread is under the disk
8. The thread then goes across the top of the machine to the bobbin winder
9. Place a bobbin on the bobbin winder and turn the bobbin until you hear it click into position
10. Wrap the thread clockwise around the bobbin four or five times
11. Tuck the end of the thread into one of the hooks on the base of the bobbin winder
  - The thread tail will be cut
12. Push the bobbin winder to the right
13. Run the machine to wind the bobbin either by pressing the foot control or if



the foot control is unplugged, by touching the Start/Stop button



- Note that if you are using the Start/Stop button, the speed of the bobbin winder can be controlled by adjusting the Speed Control



lever

- If you are using the foot control, the speed is controlled by how hard you step on the foot control
14. When the bobbin has been wound, move the bobbin winder back to the left

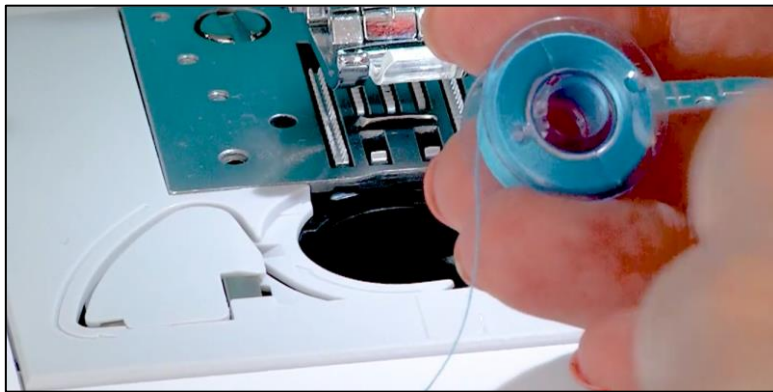
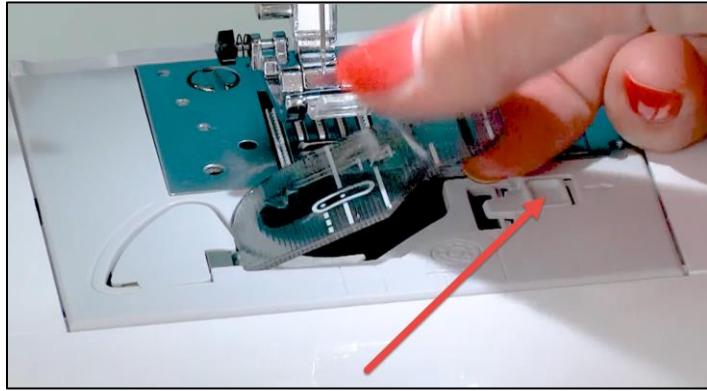




15. Lift the bobbin off the winder and cut the thread in the hook on the base of the bobbin winder

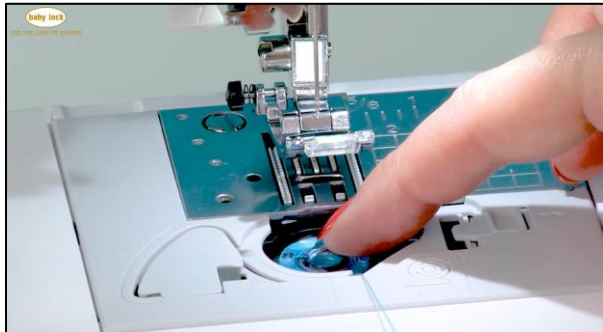
## How to Insert a Bobbin

1. Move the button to the right of the bobbin door to the right and the bobbin door pops open
2. The thread is wound counter-clockwise around the bobbin and the thread tail is on the left side of the bobbin
3. Place the bobbin into



the bobbin case

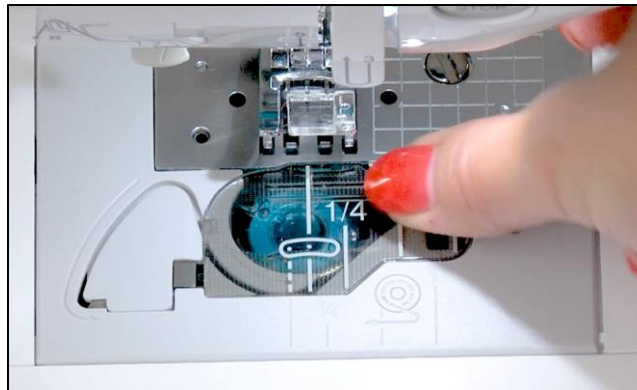
4. Put your finger on top of the bobbin and pull the thread tail under the tab at the front of the bobbin case




5. Pull the thread along the channel and the thread tail will be cut at the end of the channel

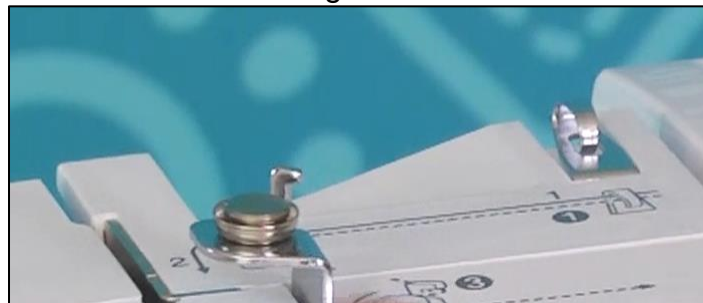


6. Replace the bobbin cover by slipping the tab on the left side of the door into the slot and pressing down on the right side of the bobbin door until it snaps into position

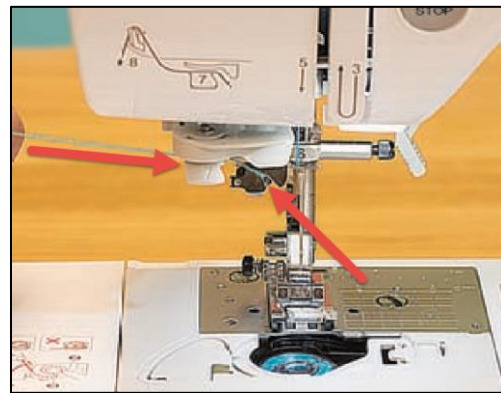


## How to Thread

1. Touch the Needle Position button  to make sure the needle is in the up position
  - This will ensure that the needle threader is not damaged
2. Lift the presser foot (The presser foot must be up while threading)
3. Follow the numerical path marked with a solid line on the threading diagram
4. Step 1 is the metal guide just to the left of the spool pin
5. Step 2 sees the thread passed under the metal guide
  - This is the guide with the bobbin winding tension disk on top
  - The tension disk is only used for bobbin winding, but the base it sits on also acts as a thread guide for the needle thread



6. The thread then goes down the channel on the right
7. Make a U-turn at the bottom of the channel
8. Take the thread back up the channel on the left
9. At the top of the left channel, you should see the take-up lever
  - The take-up lever is the silver piece that goes up and down as you are sewing
  - If you do not see the take up lever, you have forgotten to set the needle in the up position
10. Pass the thread over the top of the take up lever from right to left and then take the thread back down the left channel
  - When you pass the thread over the take-up lever, the thread slides into a slot on the take-up lever and is pulled forward to the eye of the take-up lever
11. At the bottom of the left channel, there is a thread guide just above the needle
  - Slide the thread behind the thread guide
12. Place the thread in the notch on the metal guide and then tuck it into the slot just above the number 7
  - Note that there is a diagram of how the thread is positioned on the front of the machine
13. Take the thread around to the left side of the machine and cut the thread tail with the thread cutter
14. Push the needle threader lever down to thread the eye of the needle
  - The easiest way to know how hard to push the needle threading lever is to push down until you feel resistance
  - Then pop the lever to the bottom of its channel





15. Pull the loop of thread to the back of the needle

- If you pull the tail of the thread, it will pull the thread out of the eye of the needle

## Easy Stitch Selection

Selecting stitches on the Jubilant is very easy

1. The stitches on the Jubilant are numbered and you simply turn the large white knob on the front of the machine to select the desired stitch pattern

- As you turn the knob, the selected stitch is displayed on the LCD screen
- The knob can be turned to either the right or the left.



2. There is a chart on the front of the Jubilant that shows the stitches and their numbers
3. There is also a stitch chart that can be snapped onto the handle of the machine which has larger images of the stitches
4. In addition to the stitch number, there is also information about the selected stitch is displayed on the LCD screen

- The recommended presser foot is displayed
- The stitch length




and stitch



width

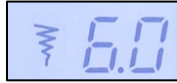
can be adjusted by using the white oval buttons



5. When the stitch length or width is set at the default setting , there will be an oval outline around the length or width icon to the left of the setting



6. If the length or width is changed, the oval is removed from the icon



to show that the stitch is no longer set at the default setting

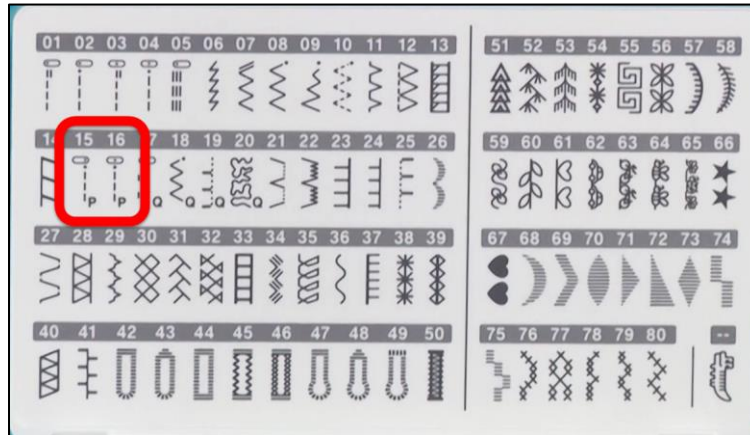
7. To return to the default setting, simply arrow through the settings until the



oval reappears

When you look at the stitch chart, you will find that some of the stitches have a letter P

1. The letter P stands for Piecing



2. When Stitch 15 is selected, the needle is moved so it is exactly 1/4" from the right edge of the Standard J foot

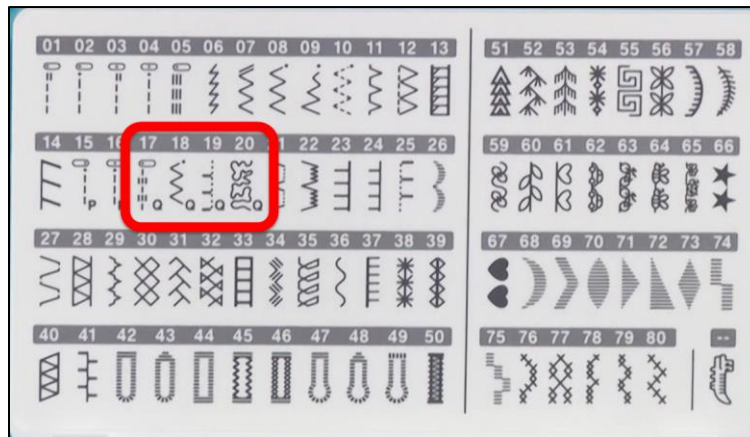


3. When stitch 16 is selected, the needle is in the center needle position which is the perfect set up for the optional Quarter Inch Piecing foot or the Quarter Inch Quilting foot with Guide

There are also stitches on the chart that are marked with a letter Q

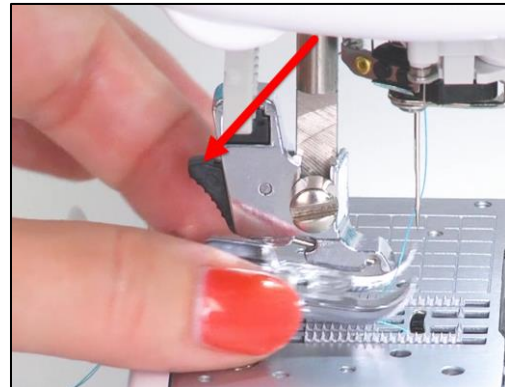


1. Q stands for Quilting and the Q stitches are set up to work perfectly for quilting techniques




## Changing a Presser Foot

1. Changing the presser foot on the Jubilant is quick and easy
2. Simply lift the presser foot
3. Press the button on the back of the presser foot holder and the foot drops off the holder
4. Place the new presser foot under the ankle with the bar on the foot under the notch on the ankle
5. Lower the presser foot lever and the foot snaps onto the ankle



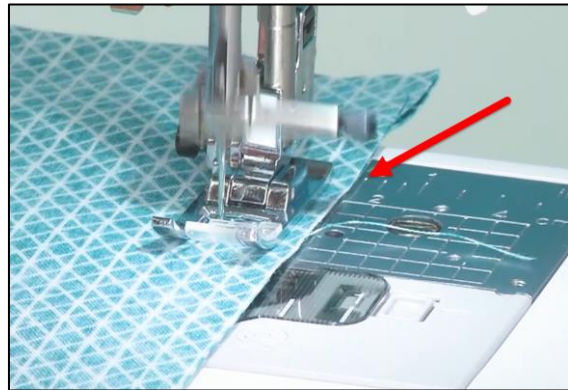
## Perfect Seam Allowance

1. The markings on the needle plate make it easy to achieve the perfect seam allowance.
2. When the Jubilant is turned on, it defaults to stitch 03  which is a straight stitch in the center needle position
3. The markings on the front of the needle plate are all measured from a center needle position
4. If you need a perfect quarter inch seam allowance, you can align the raw edge of the fabric with the  $\frac{1}{4}$ " mark at the front of the needle plate and that centered needle will sew  $\frac{1}{4}$ " from the edge of the fabric



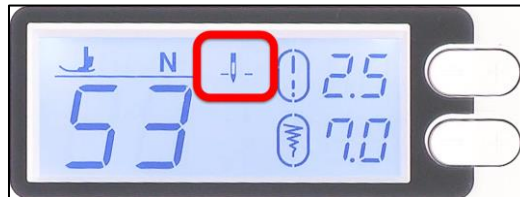


5. Stitches 01 and 02 are both straight stitches sewn in the left needle position
6. The needle plate markings at the back of the needle plate are measured from the left needle position
7. Use either stitch 01 or 02 and align the raw edge of the fabric with the 5/8" mark at the back of the needle plate for a perfect 5/8" seam
8. So if you are using a center needle position watch the marks on the front of the needle plate and if you are using a left needle position, watch the marks on the back of the needle plate



## How to Pivot

1. The Jubilant is set to automatically stop with the needle in the down position



2. When you are sewing and stop, the needle will always stop down in the fabric
3. If you prefer to have the Jubilant stop with the needle up, press and hold





- the Needle Position button for 3 seconds
4. The default is changed to needle up and the image on the LCD screen changes to show that the Jubilant is set to stop with the needle up



5. If you have the default set to stop with the needle up you will still be able to easily pivot the fabric as you sew.

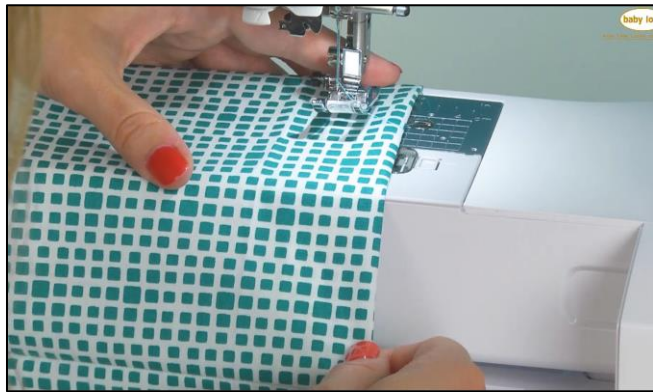




- When you stop at a corner or pivot point the needle will stop up
  - Touch the Needle Position button  to cycle the needle down
  - Lift the presser foot
  - Turn the fabric
  - Lower the presser foot and sew
6. To change the Jubilant back to the original default with the needle stopping in the down position, press and hold the Needle Position button  for 3 seconds
7. If the needle is set to stop down it is even easier to pivot
- When you stop at a corner or pivot point the needle will stop down
  - Lift the presser foot
  - Turn the fabric
  - Lower the presser foot and sew

## Topstitching


1. Any time you are topstitching, having a free arm on your machine is a huge benefit
2. Slide the accessory compartment to the left to remove it from the Jubilant and expose the free arm
3. To stitch around a cuff, neckline or pant leg, simply slide the fabric around the free arm
4. Sara selected stitch 05



for her topstitching

5. Stitch 05 is a straight stretch stitch which is designed to be used to sew flexible seams on stretch fabrics
6. The stitch sews forward back forward on each stitch so it creates a very pretty topstitch



7. Press the Auto Tie-off button  so the stitching will automatically be tied-off as you begin to sew





8. Sew the top stitching using the markings on the needle plate to keep it straight
9. When you reach the end, touch the



Reverse button to activate the automatic tie-off at the end of the stitching

10. And you will have beautiful topstitching with a more prominent look because stitch 05 sews three stitches on top of each other.

- It is great to be able to create that heavier look with regular thread and not have to try to find special heavy thread for the topstitching



## Sewing Knit Fabrics

1. If you like working with knit fabrics, you do not want to use a standard straight stitch
  - A straight stitch seam cannot stretch with the fabric and may result in popped seams



2. Select stitch 07 zig zag stitch
3. This is a fairly narrow stitch with a 3,5mm width
4. Seaming knits with a zig zag stitch will create a very stretchy seam that can stretch with the fabric so there will be no popped seams
5. When you open the seam, there is no way to tell on the right side of the seam that it was sewn with a zig zag

## Overcasting

1. If you need a nice clean finished edge inside your garments, you want to select an overcasting stitch



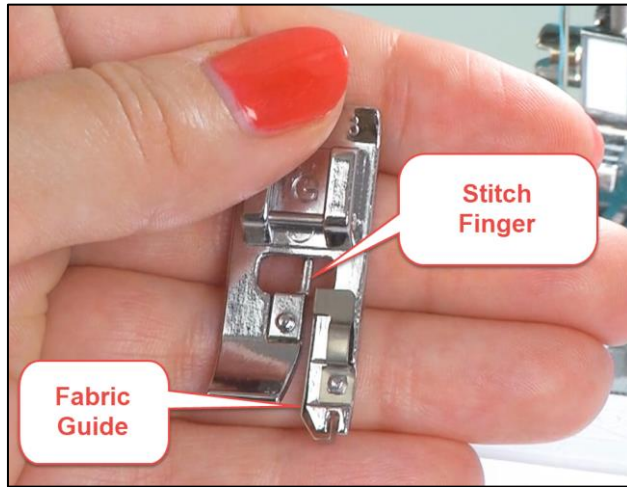
2. Sara selected stitch 12



3. The LCD screen shows that foot G is the recommended presser foot



4. The right toe of the foot is slightly longer and is used to guide the fabric so the stitch wraps around the fabric edge
5. In the center of the foot there is a stitch finger to support the stitches, so the fabric edge stays flat
  - The stitches are sewn over the top of the stitch finger and then slide off the back of the finger as you sew
  - This supports the stitches, so the edge of the fabric stays flat and does not roll or cup
6. It is easy to keep the stitching right on the edge of the fabric by simply guiding the edge of the fabric along the inner edge of the right toe on the G foot
7. At the end of the seam, lift the presser foot and remove the fabric by guiding it toward the back of the presser foot so the last few stitches can slide off the back of the stitch finger
8. Overcasting the raw edges of your seams will give you a beautiful clean look and garments that will last longer because the seams will not ravel.



9. Or if you use the overcast stitch to sew the seam, you will have a finished seam and the straight stitch along the left side of the stitch will give you seams that look great on the outside of the garment



## The Leveling Button

1. If you have ever tried to sew seams through thick seam allowances like the ones on jeans that need to be hemmed, you know it can be a challenge.
2. The J foot on your Jubilant has a leveling button that will make it easy to sew those thick seams
3. Stitch until you see that the toe of the foot is trying to climb onto the thick seam
4. The angle of the foot prevents good contact between the presser foot, the fabric and the feed dogs, so the fabric cannot move forward properly
5. Stop with the needle down
6. Lift the presser foot
7. Push down on the toe of the foot so the foot is level
8. Push the black leveling button in and lower the presser foot
9. When the foot is lowered, the leveling button will keep the foot level even though the fabric is not level
10. Sew over the thick seam and the leveling button will automatically disengage when the foot sews off the thick area back down to a level surface





11. The stitches are all the same length and there are no skipped stitches

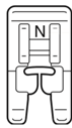


## Decorative Stitches

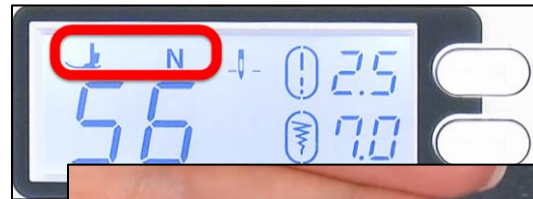
1. The Jubilant has 80 stitches and many of them are decorative stitch patterns



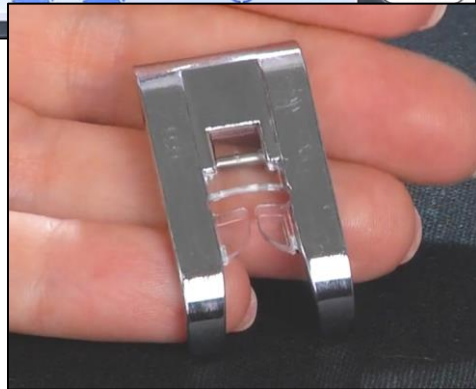
2. Sara selected stitch 56
3. The LCD screen shows that the recommended presser foot for this stitch



is foot N



4. When working with decorative stitches, the N foot is generally the suggested presser foot
5. The bottom of the N foot has a channel that allows the built up thread of the decorative stitching to flow freely under the foot
  - The standard J foot is flat on the bottom, so the decorative stitches may not feed as smoothly with that foot as they do with the N foot
6. When sewing decorative stitches, it is a good idea to use a layer of stabilizer under the fabric



7. Decorative stitches look best when stitched at a steady medium speed, so



this is a good time to use the Speed Control lever in the center to help maintain a consistent speed as you sew

8. For the most attractive results, try using 40wt machine embroidery thread

- Machine embroidery thread is finer than regular sewing thread and has a finish that looks like silk
- Machine embroidery thread is available in both rayon and polyester and is available from your Baby Lock retailer



9. Sew until you are almost at the end of the stitching line, touch the Reinforcement button



- The green light will come on and the Jubilant will sew to the end of the stitch pattern, tie-off, and stop

There are also some very pretty satin stitch patterns in the Jubilant



1. Select stitch 73
2. When sewing satin decorative patterns, turn the tension dial to 3
  - The lower tension will allow the top thread to wrap slightly to the wrong side and prevent any bits of the bobbin thread showing on the right side of the fabric
3. As you are sewing this diamond stitch, you will see the width of the stitches change from narrow to wide and then back to narrow to form the diamond shape
4. Sew until you are almost at the end of the stitching line, touch the Reinforcement button



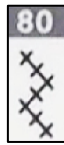
- The green light will come on and the Jubilant will sew to the end of the current diamond pattern, tie-off, and stop
- Using the Reinforcement button ensures that you will not have an incomplete diamond




There are also several cross-stitch decorative patterns







1. Select stitch 80
2. The cross-stitch patterns cannot have the width or length adjusted
3. When sewing satin decorative patterns, turn the tension dial to 3
  - The lower tension will allow the top thread to wrap slightly to the wrong side and prevent any bits of the bobbin thread showing on the right side of the fabric

Error Messages	Cause	Solution
E1	This message is displayed when a button, such as the "Start/Stop" button, is pressed (The foot controller was depressed if it is connected.) while the presser foot was raised.	Lower the presser foot lever before continuing the operation.
E2	This message is displayed when the buttonhole lever is down, a stitch other than a buttonhole is selected, presser foot is lowered and a button, such as the "Start/Stop" button, is pressed (The foot controller was depressed if it is connected.).	Raise the buttonhole lever before continuing the operation.
E3	This message is displayed when the buttonhole lever is up, a buttonhole stitch is selected, presser foot is lowered and a button, such as the "Start/Stop" button, is pressed (The foot controller was depressed if it is connected.).	Lower the buttonhole lever before continuing the operation.
E4	This message is displayed when a button, such as the Reverse stitch button, is pressed while the bobbin winder shaft is moved to the right.	Move the bobbin winder shaft to the left before continuing the operation.
E5	This message is displayed when the "Start/Stop" button is pressed while the foot controller is connected.	Disconnect the foot controller, and then press the "Start/Stop" button. Otherwise, operate the machine by using the foot controller.
E6	The motor locked up because the thread became tangled.	Clean the race to remove the tangled thread (page 53). After cleaning the race, insert the bobbin case properly. If the needle is bent or broken, replace the needle. Then, thread the upper and bobbin threads properly, and continue the operation.
E7	This message is displayed when the needle mode selection key is pressed while a stitch that cannot be used with the twin needle is selected.	Select a stitch that can be used with the twin needle.
E8	This message is displayed when  (Twin needle) is turned on, and a stitch pattern that cannot be sewn with the twin needle is selected.	Switch to the single needle mode, and replace the twin needle with a single needle before continuing the operation.
F*	If error message "F*" appears in the LCD while the machine is being used, the machine may be malfunctioning. (* will be replaced with a number.)	Contact your authorized Baby Lock retailer.

