

## Supplies

- Selection of Machine Needles
- Various Fabrics for Testing
- Single Needle Hole Plate (included with Stellaire)
- Short Screwdriver or Multi-screwdriver for New Style Machines
- UltraT Quarter Inch foot (included in set of three feet)
- Open Toe Foot (included with the Stellaire)
- Metal Open Toe Foot
- Straight Stitch Foot (included with Stellaire)
- Small piece of tear away stabilizer

### *Every Sewing Function Has a Beginning and an Ending*

No matter what you sew, every sewing process has a starting point and a finishing point. Keep this in mind when you are setting up your machine for every project. When you begin to sew, does your fabric jam into the needle hole? Do you find your seams coming apart at the end when you are trying to join pieces? Wouldn't it be nice if the process of starting and finishing a seam was automatic? A computerized machine, such as the Stellaire can be set up to eliminate these frustrations and keep you sewing calm and more efficient. Look for these features, techniques and equipment to make your starts and stops easier.

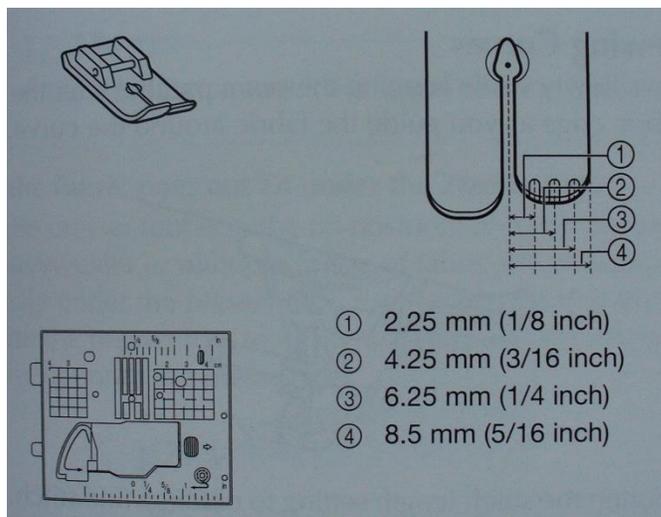
### *Why Does the Thread Jam Up?*

When the machine forms a stitch, the needle thread is pulled downward towards the bobbin through the eye. A hook that rotates around the bobbin drags the thread around

the bobbin. The needle thread returns to the top of the fabric after encircling the bobbin when the needle rises to complete the stitch. For this process to work well, the fabric and the top thread need to stay above the needle plate. When the fabric is pulled into the needle opening, it is stuck. The stuck fabric cannot be advanced by the feed dogs and the stitches pile up on top of each other creating a knot of thread.

- Needle Selection - Keep the fabric above the needle plate by using a needle correctly paired with the density of the fabric and reducing the size of the needle opening when possible. A very dense fabric resists a needle passing through it. When the needle cannot easily pass through the fabric, it pushes the fabric down through the large opening in the zigzag needle plate. Use a sharper or thinner needle such as Sharp 80, Quilters 75 or Topstitch 80 needle to penetrate the fabric.

- Straight Stitch Hole Plate and Foot - When starting on the edge of fabric, the fabric is not fully supported and the edge will be pulled into the opening. Reduce the size of the opening by using a single hole needle plate when stitching with a center position straight stitch. The single hole needle plate has a sensor to only allow the machine to use stitches that use the center needle position. Turn the machine off when removing and replacing the needle plate.



Use a presser foot that will support and keep the fabric above the needle plate. The UltraT Quarter Inch foot and the single hole foot will support fabric with a flat bottom and small opening for the needle.

- Automatic Reinforcement - For wider stitches, start deeper into the edge of the fabric and use automatic reinforcement to keep the fabric above the needle plate. Automatic reinforcement will back up to the edge of the fabric after starting to stitch. See next section for an explanation of automatic reinforcement.
- Leader Cloth - Support the fabric edge with a small piece of tearaway stabilizer placed just under the edge at the beginning. Use a leader cloth to help support the fabric. A leader cloth is a small scrap of fabric or tearaway stabilizer used at the

beginning of a stitch. Start stitching in the middle of the leader cloth and stitch just off the edge with needle down. Place the fabric just up to the needle and begin the seam. The edge of the fabric is supported by the connected leader cloth and cannot be pulled into the wider zig zag opening.

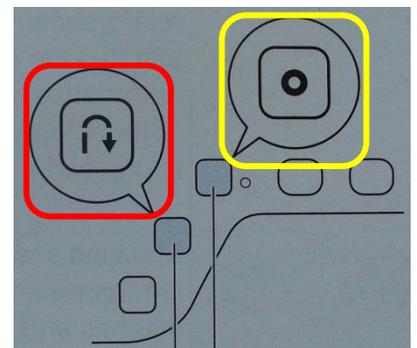
### *Make the Whole Process Automatic*

Advanced machines have many features to make sewing easier and more efficient. These features are completely customizable for the way you sew and the needs of the project at hand. Some features are found on the main sewing screen of the machine, in the buttons over the sewing area and some are found in the settings pages. Use the icons on the main screen or the buttons to quickly access a feature and use the settings page to customize your preferences.

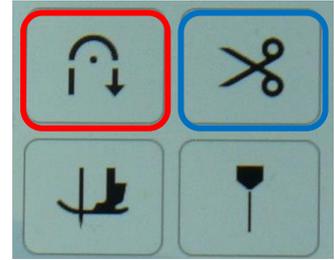
Automatic Presser Foot Raising and Lowering – This feature is automated and customized in the settings pages. (The presser foot can also be raised and lowered on demand with the presser foot button, knee lever or programmed into the Multi-function foot control.) In the settings pages set Auto Down to automatically lower the foot when pressing the foot control or the start/stop button to begin sewing. Select Press to Trim to automatically lower the foot when selecting the scissors button. Set Auto Up to automatically raise the foot when stopping sewing. On the sewing screen, select the Pivot feature to automatically raise the foot and lower the needle when stopping sewing.

Automatic Reinforcement – This feature is activated and deactivated on the main screen using the reverse icon and is controlled with the physical reverse and reinforcement buttons on the machine. Stop sewing along a seam at any time and indicate to the machine that the end of the seam is reached by selecting either the reverse or reinforcement button to activate the reinforcement feature.

- When the reverse icon on the screen is **not** “ON”, all reinforcement is only on demand using the physical buttons on the machine. To Stitch in reverse, touch the reverse button (red box) and the machine will continuously sew in reverse while the button is pressed. To stitch in place, press the Reinforcement button (yellow box) one time and the machine will sew 2-3 stitches in place.



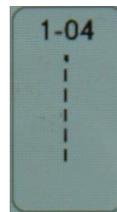
- When the reverse icon **on the screen** (red box) is selected to be “ON”, the machine will automatically reinforce the seam at the beginning and the end of stitching. Select the reverse icon **and** the scissors icon (blue box) to automatically cut the thread at the end of the seam. Stitch selection determines the style of reinforcement, either backstitching or stitching in place.



- At the beginning of sewing, the machine will sew reverse stitches for the stitches displayed with two small parallel lines at the top. At the end of the seam, select either the reverse icon to reinforce with reverse stitches or the reinforce icon to stitch in place.



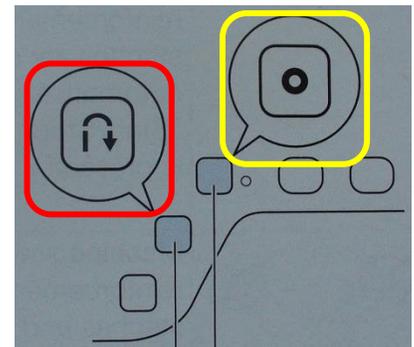
- At the beginning of sewing, the machine will sew 2-3 stitches in place to reinforce the seam for the stitches displayed with the single dot at the top. At the end



To sew **only** reinforcement stitches at the beginning and end of a seam, select these stitches and Reinforcement Priority in the Settings pages.

of the seam, select the reverse icon to reinforce with reverse stitches or the reinforce icon to stitch in place. (Exception – When Reinforcement Priority is On in the settings, the Reverse button changes to a Reinforcement button for these stitches and only reinforcement stitches are stitched when pressing this button for these stitches.)

- When sewing Decorative stitches, select the reverse button (red box) on the machine to immediately stop the pattern or the reinforcement button (yellow box) on the machine to complete the pattern before stopping. Select the Reverse icon on screen to add reinforcement stitches at the beginning and end of the decorative stitch.

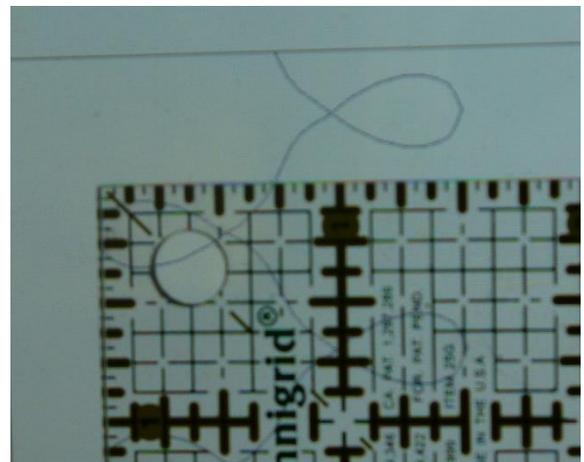


### *Start with Perfect Positioning*

Sometimes you just need to start at one exact, perfect spot. Achieve perfect positioning by improving visibility and knowing exactly where the needle will penetrate the fabric.

- Some sewing feet offer greater visibility for placing the stitch. Select the open toe foot to really see the sewing field at the needle. A clear plastic open toe foot is included with the Stellaire. The optional metal open toe foot is an optional foot and seems to offer additional support for the fabric. Decorative stitches generally always need stabilizer to stitch well. Extend the stabilizer beyond the edge of the fabric to prevent jamming.
- In the settings, select Needle Position Stitch Placement to ON for precise positioning at the beginning of the stitch. When this feature is ON, the needle is lowered only partially towards the fabric when the Needle Up/Down button is pressed. Additionally the feed dogs are lowered to allow the fabric to be easily positioned. Pressing the button again will lower the needle and raise the feed dogs automatically.
- To find the place where a Decorative stitch begins, first select and modify the stitch.

- To find the location of the beginning of large stitches, select the stitch and then the Image key to see an enlarged image of the stitch pattern. Use a ruler on the screen to note the distance from the edge of the stitch to the beginning. Select the Magnifying glass with the plus to see an even more enlarged image, but don't use this measurement for placement.



Note where the stitch begins and the direction of the stitching.

- To position most stitches except for the larger ones, select the Guideline marker and use the + and – keys to position the LED light on the place on the stitch needed for positioning. Use the LED light to place the fabric in position.
- To return a decorative stitch to the beginning of the pattern, select the Beginning key (needle, star, heart, star).

