

Addendum V4.3 | Sure Stitch

Overview: Some upgrades and changes have been made to your product since the original manual was printed. Keep this notice to stay up-to-date on your new equipment. The following information will appear in new editions of the user manual going forward.

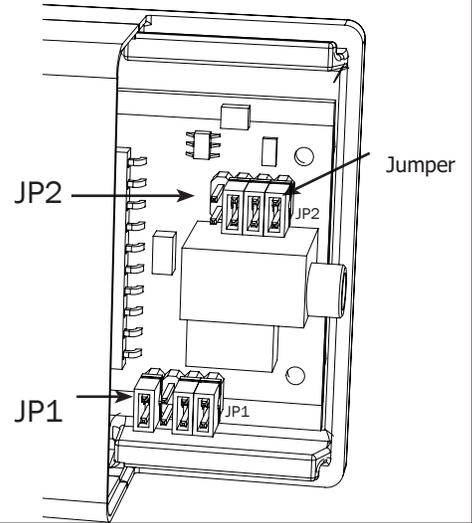
If your sewing machine model is not listed please call The Grace Company at 1-800-264-0644 to see if there is a model of Sure Stitch that will work with your machine.

Janome:

- 1600P-QC
- HD9

Viking Mega Quilter

Pfaff Grand Quilter



Janome:

- Continental M7
- Memory Craft 6500P, 6600P, 6700P, 7700QCP
- Memory Craft Horizon 8200QCP, 8900QCP

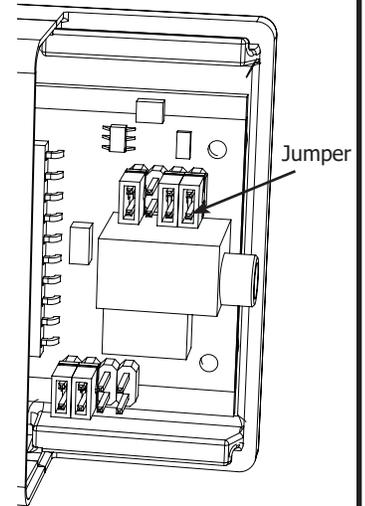
Elna

- 7100
- 7200
- 7300

Babylock:

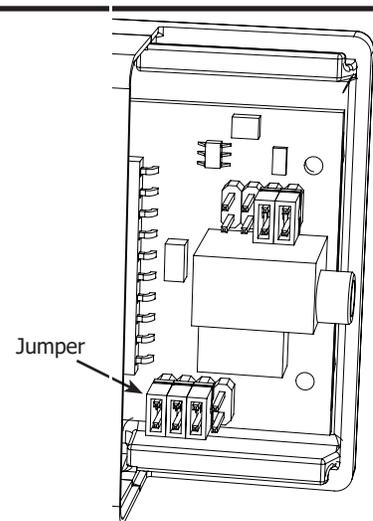
- Babylock Quilter's Choice Pro (BLQP)
- Babylock Jane

Brother 1500S



Juki:

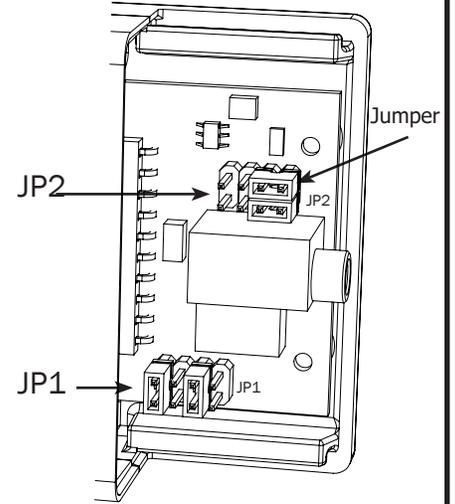
- TL98Q
- TL98QE



Addendum 4.3 | Sure Stitch

Juki

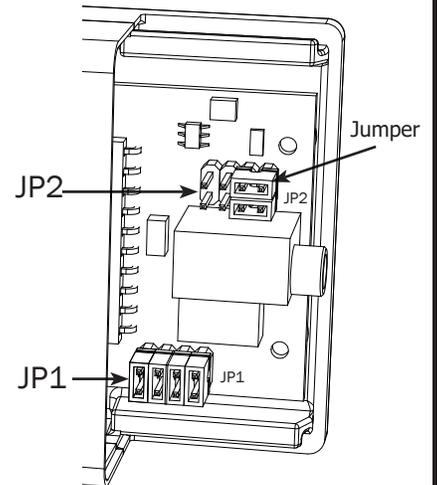
- TL2010Q
- TL2000QI



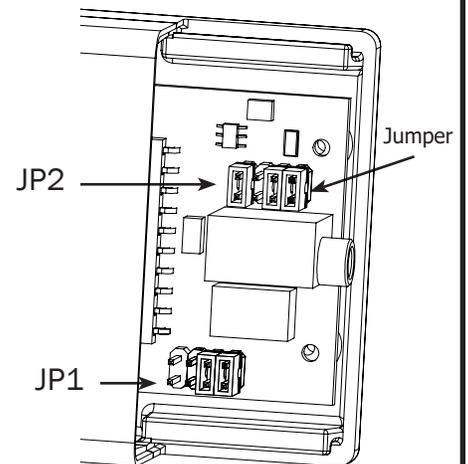
Juki

- TL2200QVP Mini
- TL18

Elna 7200



Janome 9400

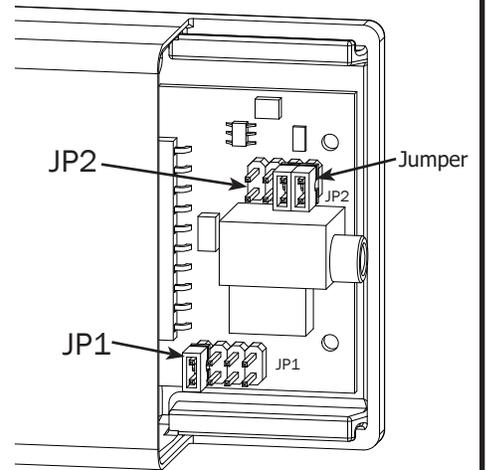


Viking

- Designer Diamond
- Designer Diamond Deluxe
- Designer Diamond Royale
- Designer Ruby
- Designer Ruby Deluxe
- Designer Ruby Royale
- Designer Topaz 20, 30, 50
- Sapphire 830, 835, 850, 870, 875, 930, 960, 965
- Tribute 140C
- Eden Rose 250C

Pfaff

- Creative Sensation
- Creative Sensation Pro, Pro2
- Creative Vision
- Creative Performance 5.0, 5.2
- Creative 2.0, 3.0, 4.0, 4.5
- Expression 2.0, 3.0, 3.2, 3.5, 4.0, 4.2

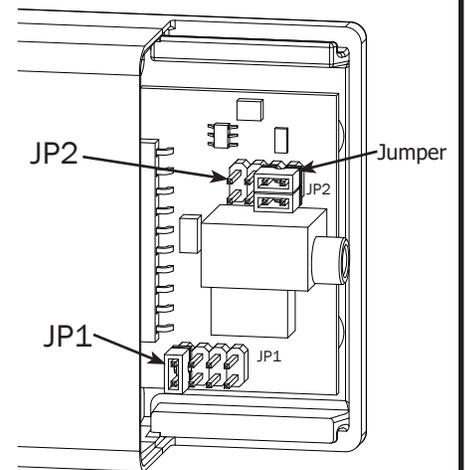


Viking:

- Designer Epic, 2, 980Q, 95Q
- Designer Brilliance 80
- Brilliance 74Q

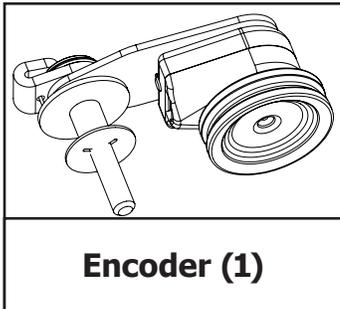
Pfaff

- Creative Icon
- Performance Icon
- Quilt Expression 710, 720



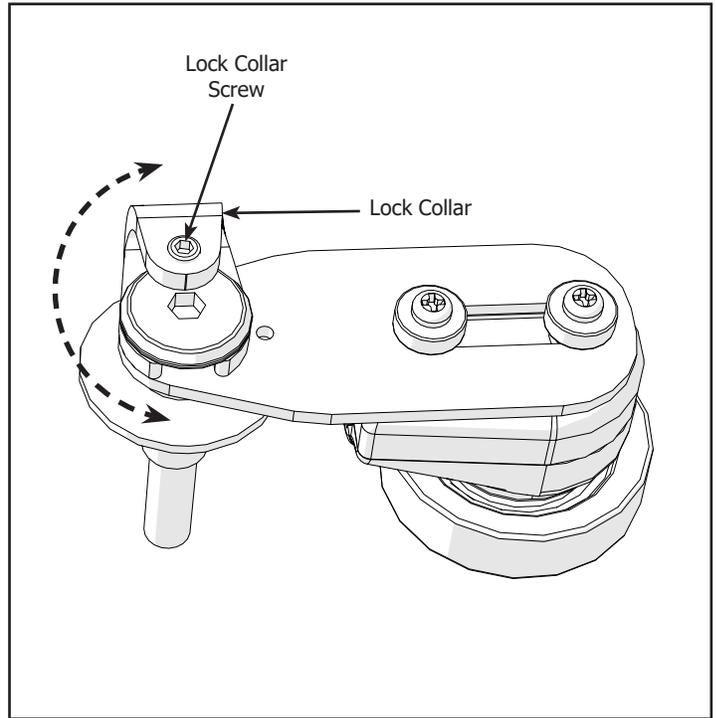
Step 1 - Bottom Carriage

Parts Needed:

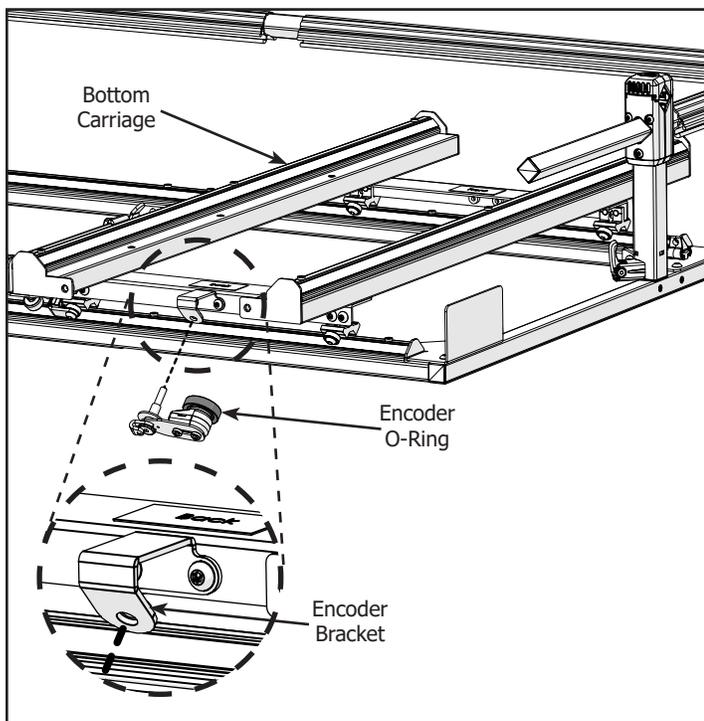


Tools Needed:

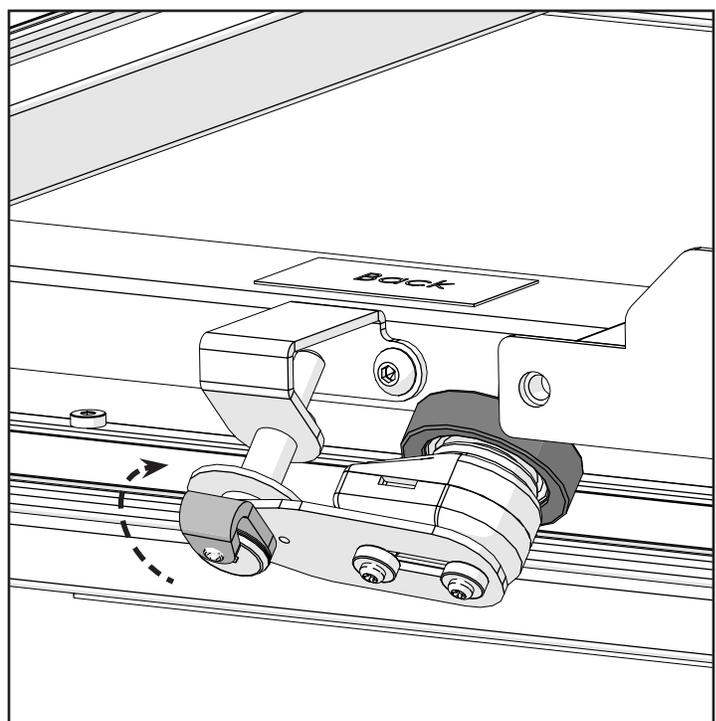
- 4mm Allen Wrench
- 2mm Allen Wrench



1-1 With the 2mm Allen Wrench, loosen the Lock Collar Screw so that the Lock Collar twists freely.



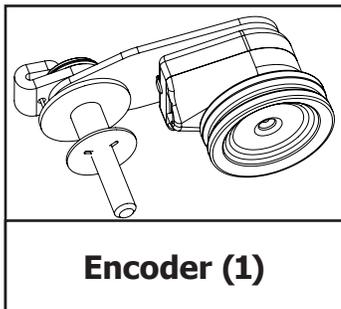
1-2 Install the Encoder onto the Bottom Carriage Encoder Bracket with the 4mm Allen Wrench. Orient the Encoder so the O-ring is to the right of the Bracket.



1-3 With the Bottom Carriage installed on the Tabletop Frame tracks, turn the Encoder Lock Collar to point up, and tighten the Encoder Lock Collar Screw with the 2mm Allen Wrench.

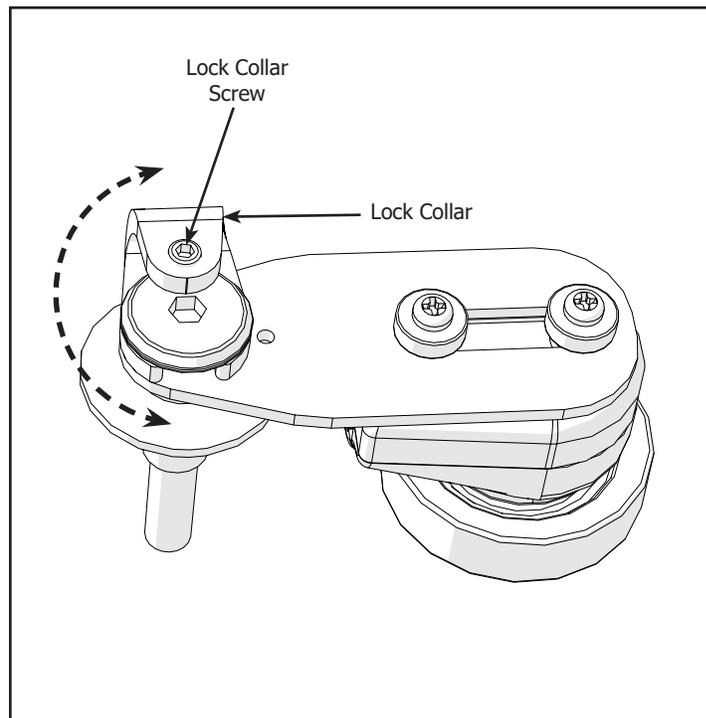
Step 2 - Top Carriage

Parts Needed:

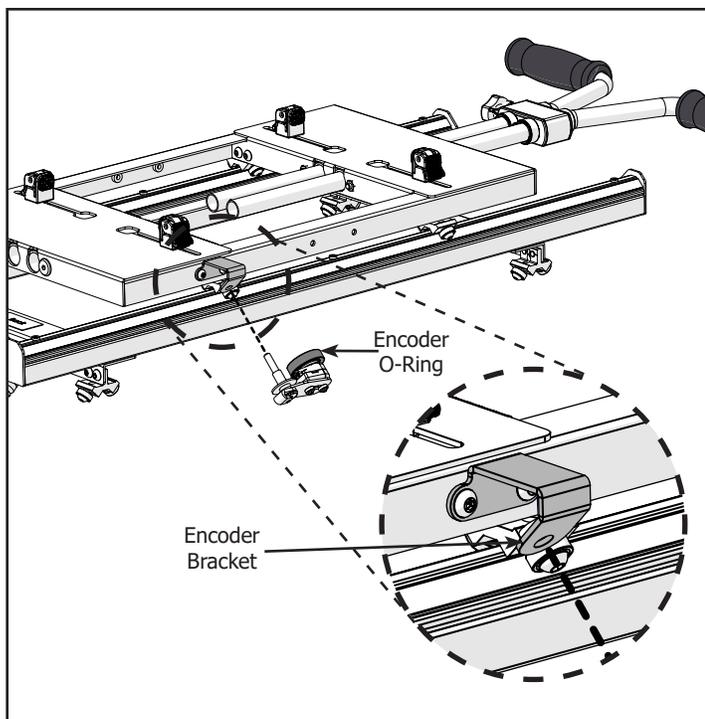


Tools Needed:

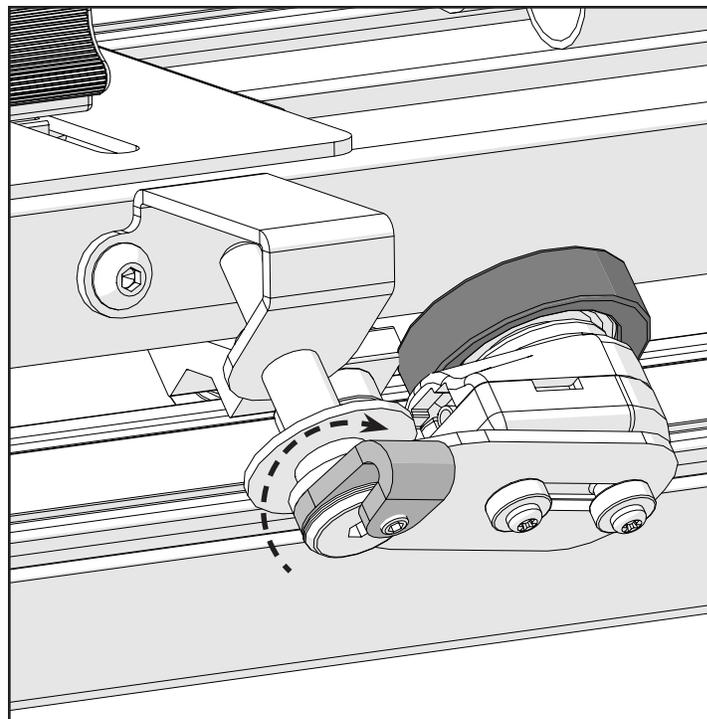
4mm Allen Wrench
2mm Allen Wrench



2-1 With the 2mm Allen Wrench, loosen the Lock Collar Screw so that the Lock Collar twists freely.



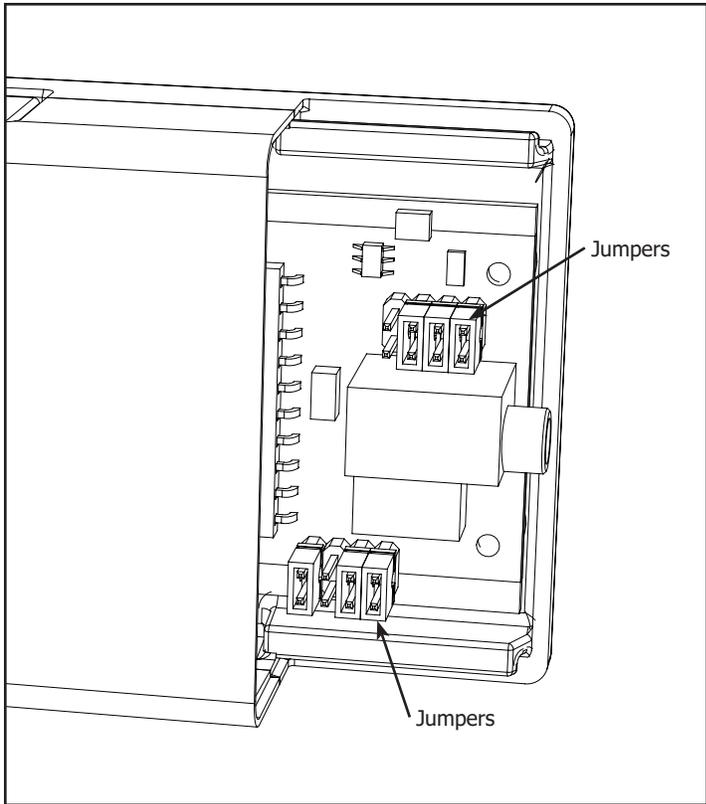
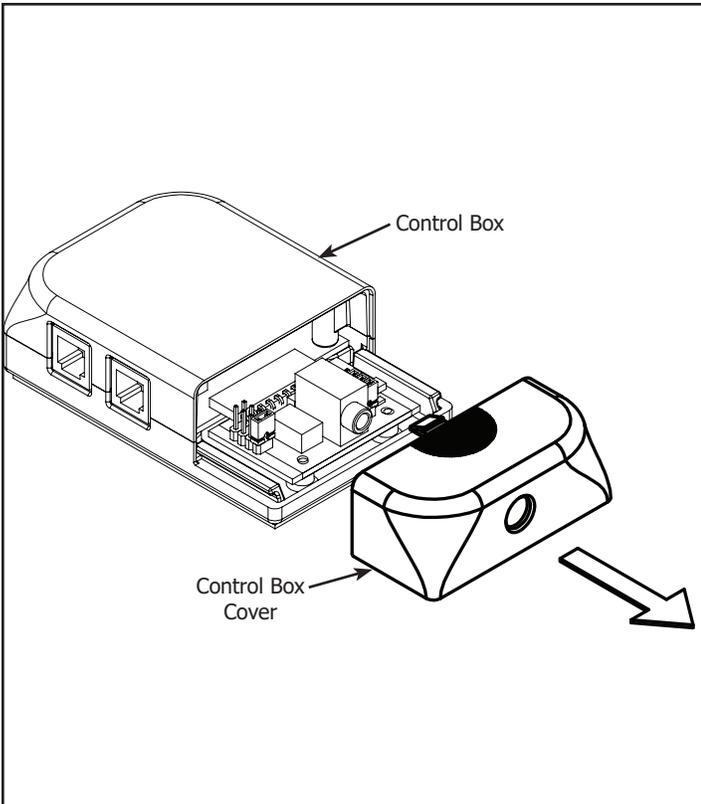
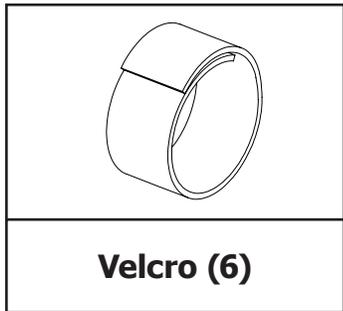
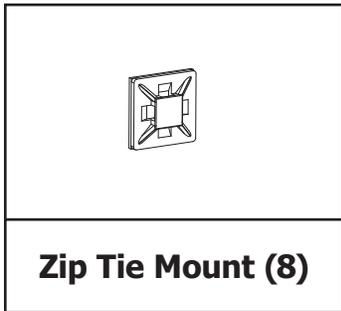
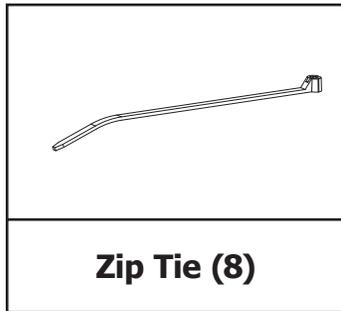
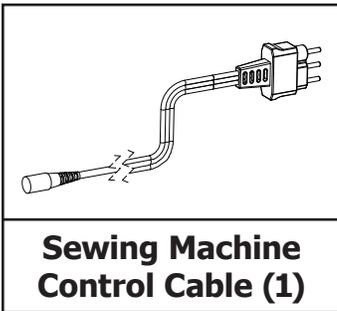
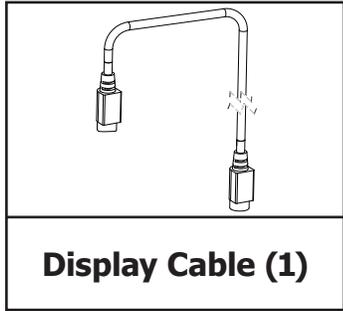
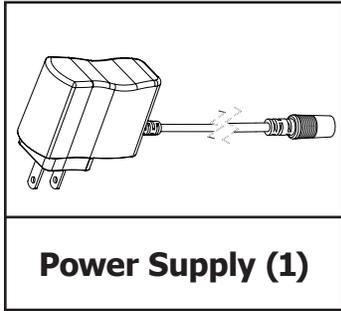
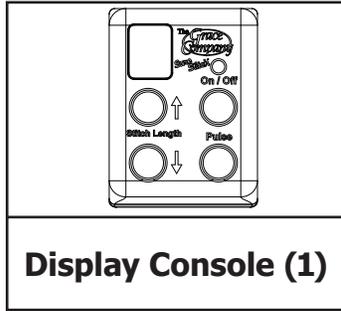
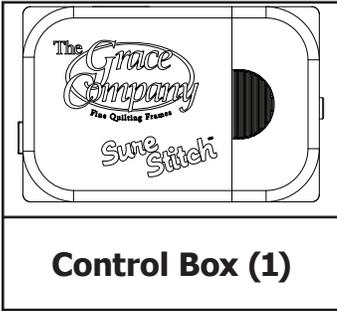
2-2 Install the Encoder onto the Top Carriage Encoder Bracket with the 4mm Allen Wrench. Orient the Encoder so the O-ring is to the right of the Bracket.



2-3 With the Top Carriage on the Bottom Carriage, turn the Encoder Lock Collar to point up, and tighten the Encoder Lock Collar Screw with the 2mm Allen Wrench.

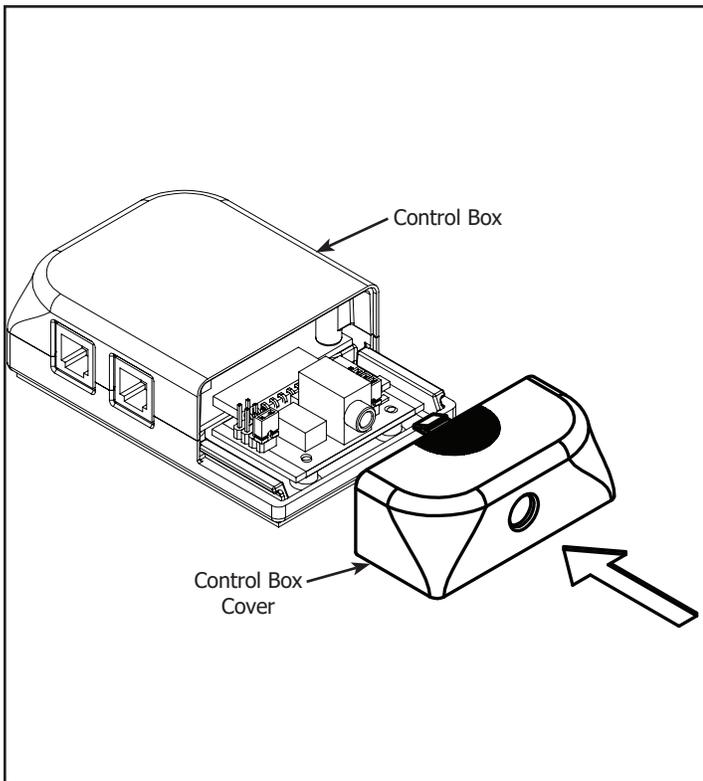
Step 3 - Control Box Installation

Parts Needed:

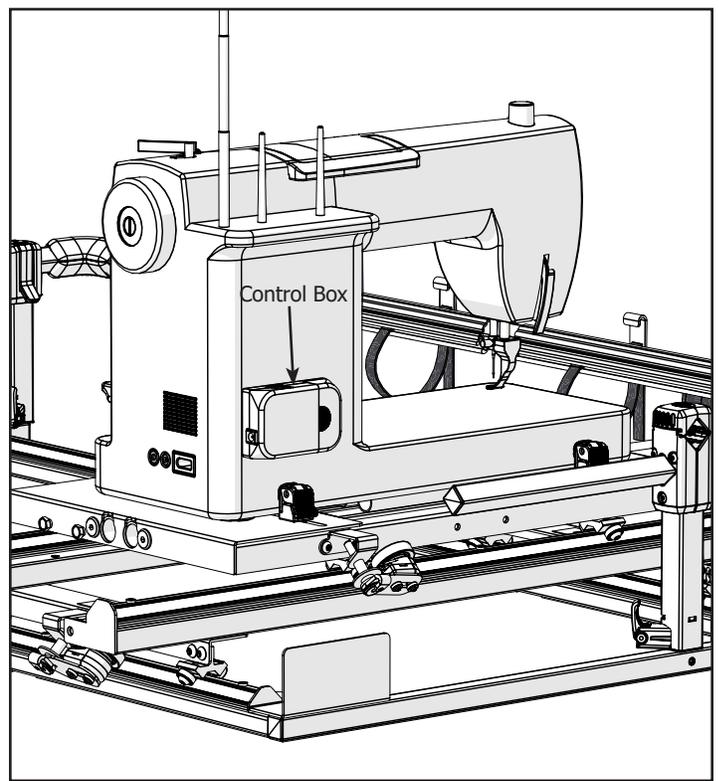


3-1 Remove the cover from the Control Box.

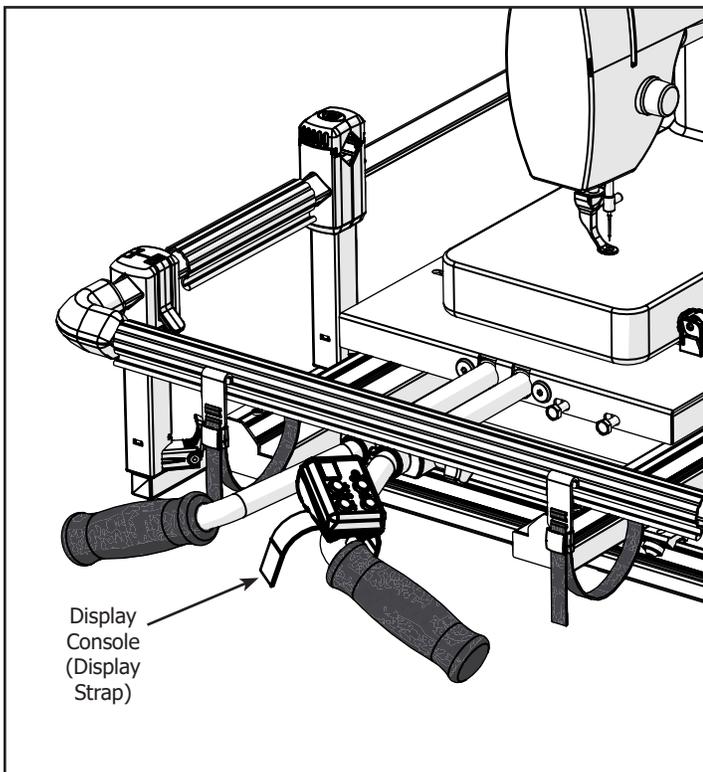
3-2 Move the control Jumpers to the correct setup for your machine (see pages 1-3 of this addendum).



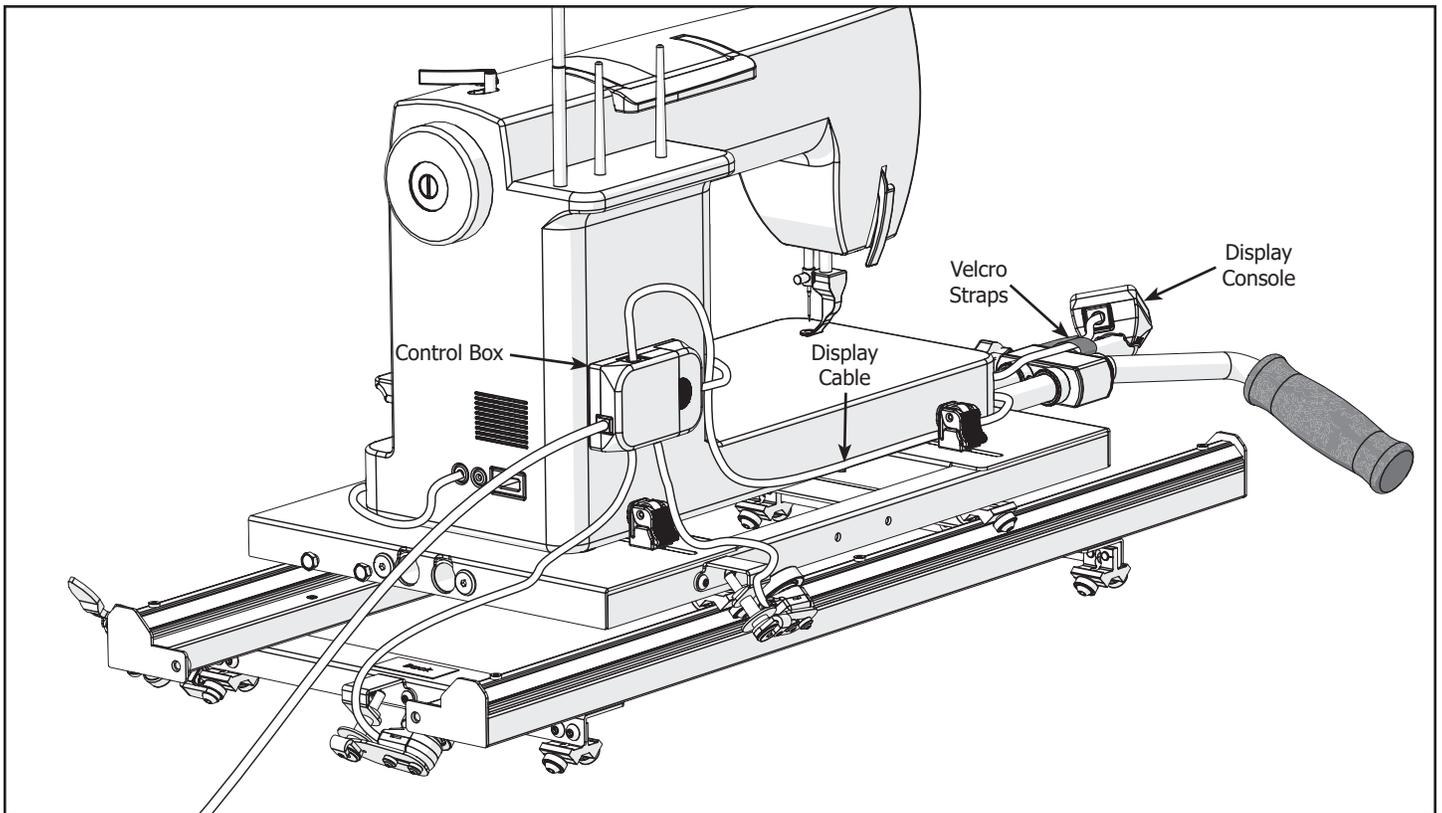
3-3 Reinstall the cover on the Control Box.



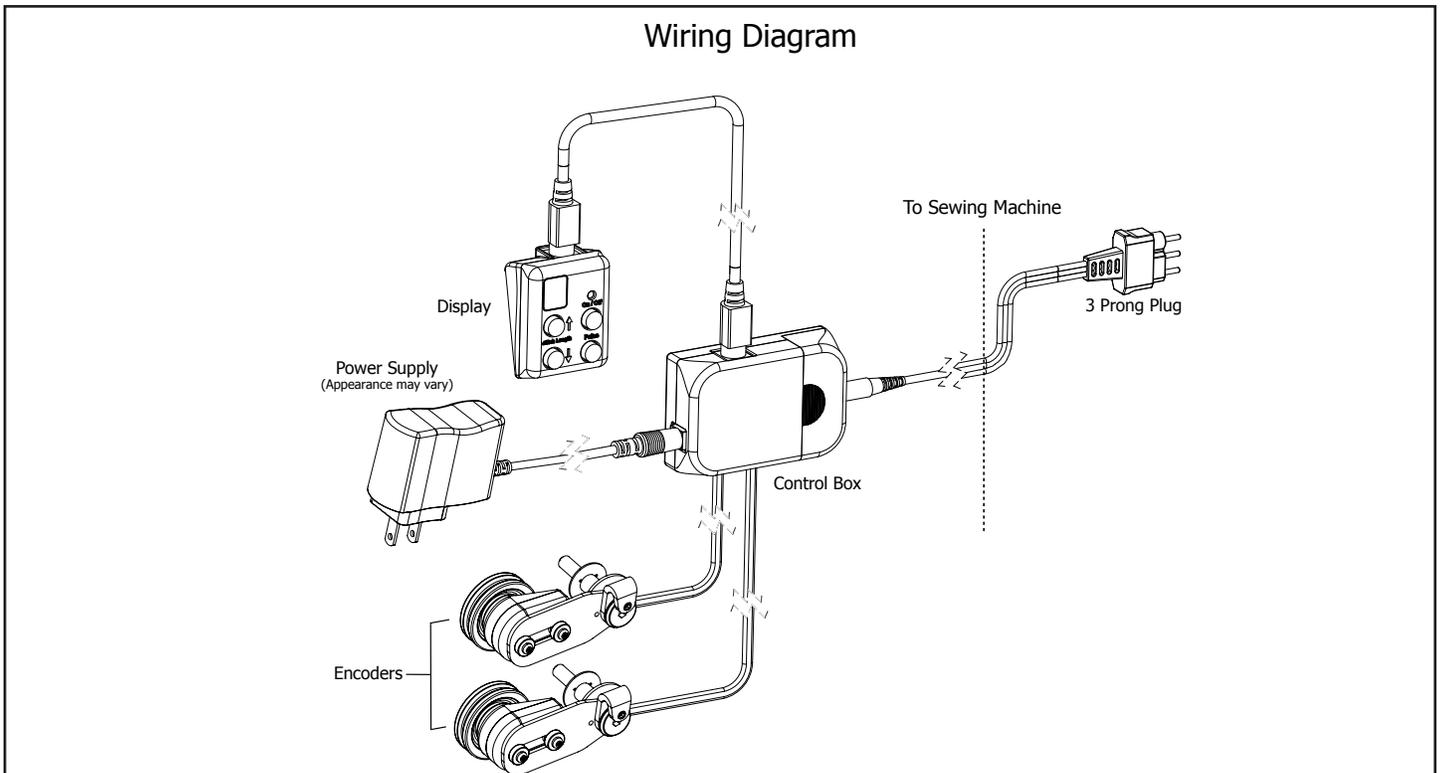
3-4 Remove the film from the adhesive backing on the back of the Control Box and adhere the Control Box to the location you have determined to be the most convenient.



3-5 Using the Display Strap, connect the Display Console to the handles in a convenient location.
Recommendation: Point handles downward slightly so display will not bump into fabric roll during use.



3-6 Attach the Display Cable to the Display Console and the Control Box. **Be sure the pins line up to avoid bending them.** Secure the cable to the Carriage using the Velcro Straps.

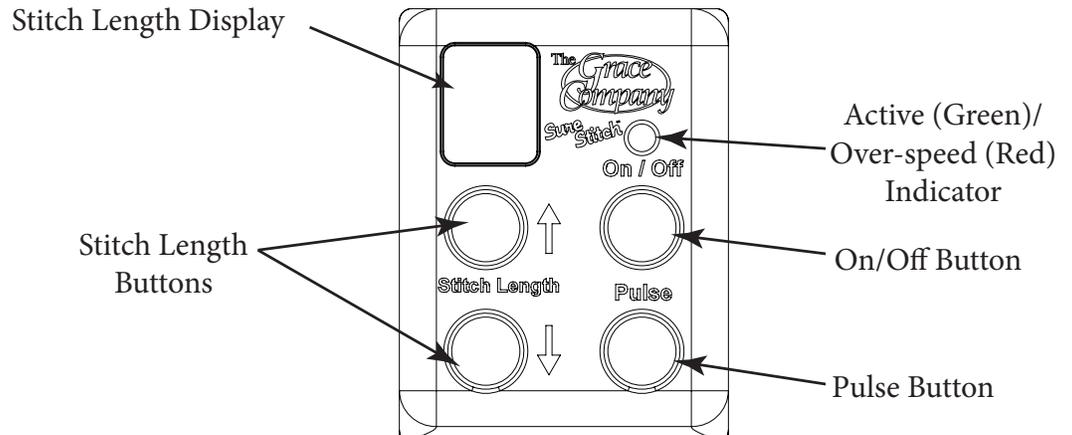


3-7 Attach the cables from each Encoder to the Control Box and secure with Zip Ties and Zip Tie Mounts. Connect the Sewing Machine Control Cable to the Control Box, and to your sewing machine's foot pedal port.

Note: Be sure to leave enough slack in the Encoder Cables to allow the Top Carriage to fully travel across the frame.

Operation Instructions

Note: When the Sure Stitch is in the “on” mode, the sewing machine WILL BEGIN TO STITCH! When you stop moving the machine, it will continue to stitch at the sewing machine’s minimum speed until you press the off button. This feature ensures the machine will maintain as consistent a stitch length as possible with the initial movement of the machine.



All of the Sure Stitches controls are located on the Display Console.

On/Off Button: The On/Off button activates/disables the regulated stitch feature of the Sure Stitch. When the regulated stitch is active, the green LED light directly above the button will be lit. In regulated mode, your sewing machine will automatically adjust the speed that it stitches based on how fast you move your sewing machine around on the quilting frame. If you move your sewing machine too fast, it will reach its maximum stitch speed, and no longer be able to stitch fast enough to keep a constant stitch size. The green LED above the On/Off button will turn red when your sewing machine has reached it’s maximum stitch speed. When the LED above the On/Off button is lit red, your stitches will be longer than your set size.

Pulse Button: When the Pulse button is pushed your sewing machine will sew at a constant speed, until the button is released. Use the Pulse button to tie off a stitch, or to sew at a constant, non-regulated speed.

Stitch Length Buttons: Use the Stitch Length buttons to adjust how long your stitches will be while using the regulated stitch mode. The LED display directly above the Stitch Length buttons displays your current Stitch Length setting. You can set the Stitch Length from “1” to “10”, indicated by “0”, the stitch length setting does not indicate “Stitches per inch”, but will be consistent based on your sewing machine. The Stitch Length setting will be set to “5” every time you turn on the Sure Stitch.



WARNING! To avoid injury, always turn your sewing machine off before threading your needle, or changing your bobbin.

Troubleshooting

If you are experiencing problems.

T1-1: Turn the sewing machine off.

T1-2: Unplug the power cord out of the Sure Stitch control box.

T1-3: Plug the power cord back into the Sure Stitch control box.

T1-4: Turn the sewing machine on.

Because of your sewing machine's built-in safety features, sometimes the machine will not respond to your movement of the Carriage and needs to be reset.

If your machine is running at an unusually slow speed, reset your machine and Sure Stitch using the following steps.

T2-1: Turn the sewing machine off.

T2-2: Unplug the sewing machine from the wall, wait 5 seconds, then plug it back in.

T2-3: Unplug the power cord out of the Sure Stitch control box.

T2-4: Plug the power cord back into the Sure Stitch control box.

T2-5: Turn the sewing machine back on.

Have Fun Quilting! You have completed assembling your sure stitch for the Dual Wheel Carriage.