

surestitch

Elite

Assembly Instructions

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Included Parts & Tools

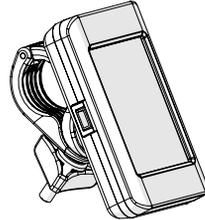
Please check that all of the following parts are included in your kit.

**SureStitch Elite
Control Box**



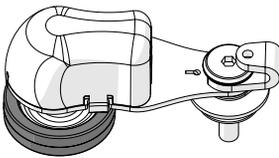
SSE-09-20020

**SureStitch Elite
Screen**



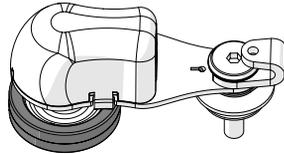
SSE-09-20021

**Upper
Encoder V5**



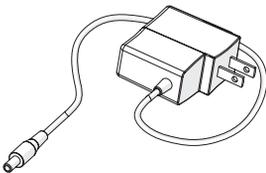
SSE-09-20026

**Lower
Encoder V5**



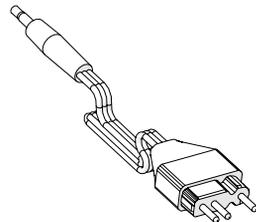
SMP-09-15700

**Power
Adapter**



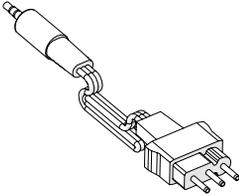
SSE-02-11395

**Foot Pedal "A"
Cable**



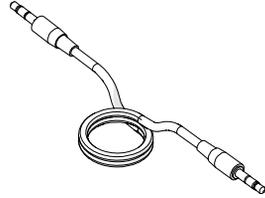
SSE-02-14994

**Foot Pedal "B"
Cable**



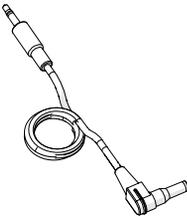
SSE-02-14995

**Foot Pedal "C"
Cable**



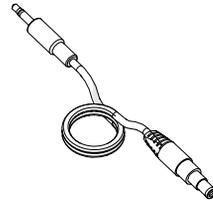
SSE-02-14989

**Foot Pedal "D"
Cable**



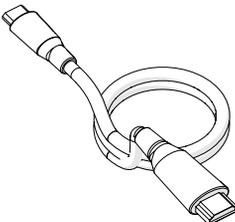
SSE-02-14990

**Foot Pedal "E"
Cable**



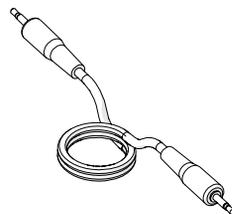
SSE-02-14991

**Screen
Cable**



SSE-02-14992

**Thread Cutter
Cable**



SSE-02-14988

**Allen Wrench
2.5 mm**



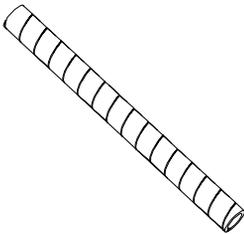
QTT-03-10165

**Allen Wrench
4 mm**



HDW-03-10167

**Plastic Cable Wire
Wrap**



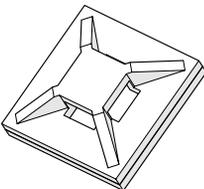
MIS-08-10806

**Zip
Ties (x4)**



MIS-08-10804

**Zip Tie
Mounts (x2)**



MIS-08-10805

**Velcro
Straps**

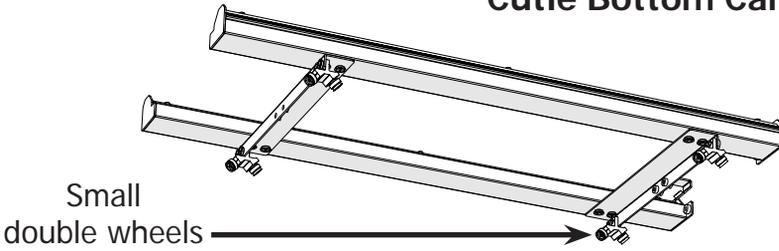


SSE-08-15000

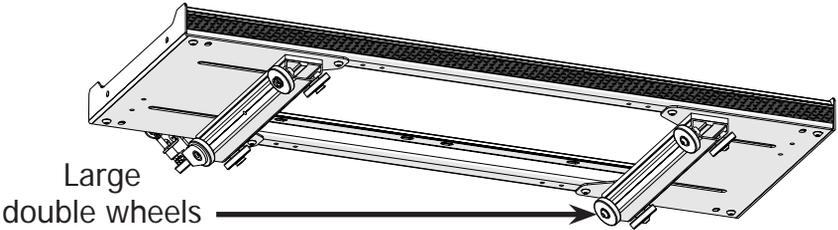
Assembly - SureStitch Elite

Start Here: Choose Your Carriage

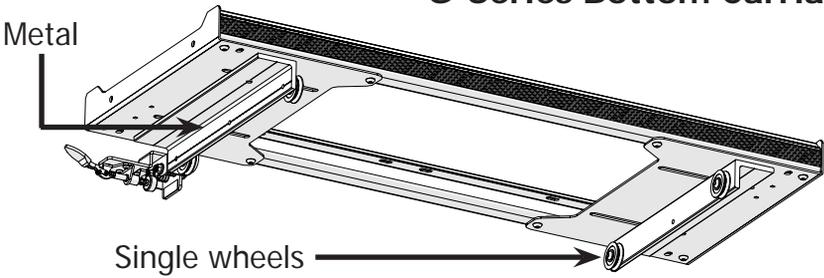
Cutie Bottom Carriage



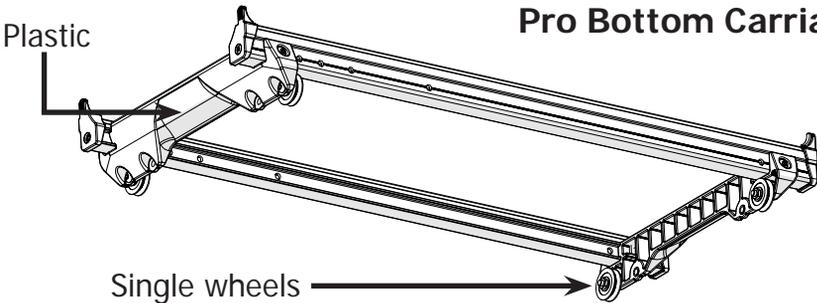
Continuum Bottom Carriage



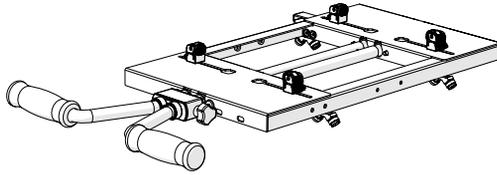
G-Series Bottom Carriage



Pro Bottom Carriage

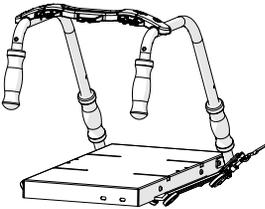


...And Select Your Top Plate



Cutie Bottom Carriage & Top Plate

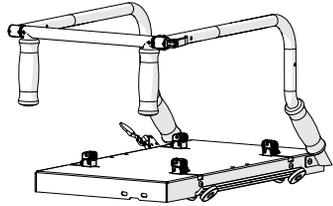
Go to page 8



G-Series Top Plate

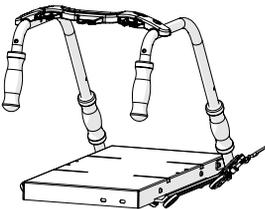
Go to page 19

OR



G-Series 2 Top Plate

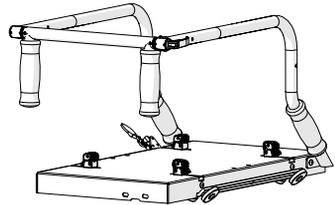
Go to page 30



G-Series Top Plate

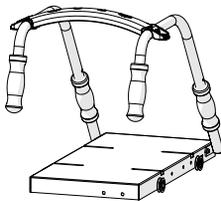
Go to page 41

OR



G-Series 2 Top Plate

Go to page 53

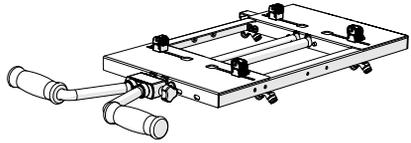
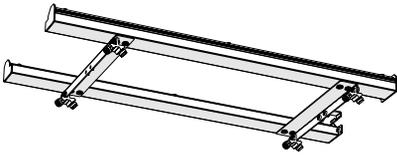


Pro Bottom Carriage & Top Plate

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Assembly - SureStitch Elite

Cutie Carriage & Top Plate

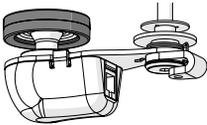


Step One - Installing the Lower Encoder

The lower encoder tracks the movement of the bottom carriage across the frame. This helps SureStitch calculate the length of each stitch as you quilt.

Parts & Tools:

Lower Encoder V5
(green sticker)



Allen Wrench
2.5 mm

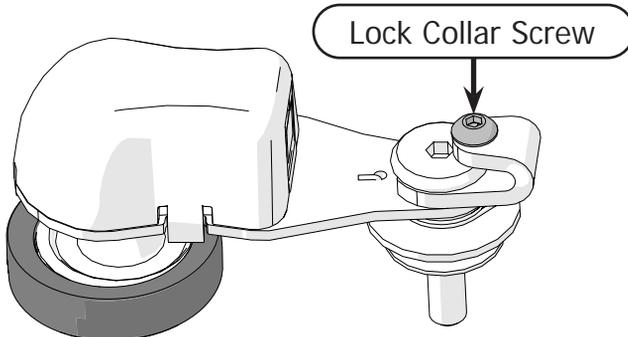


Allen Wrench
4 mm



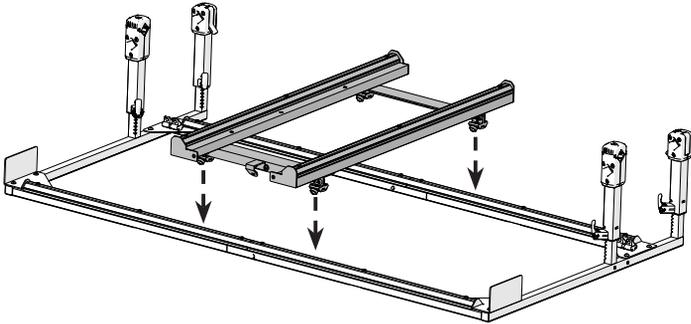
Instructions:

- 1 Use the 2.5 mm Allen wrench to carefully loosen the encoder **lock collar screw**. Do not remove this screw.

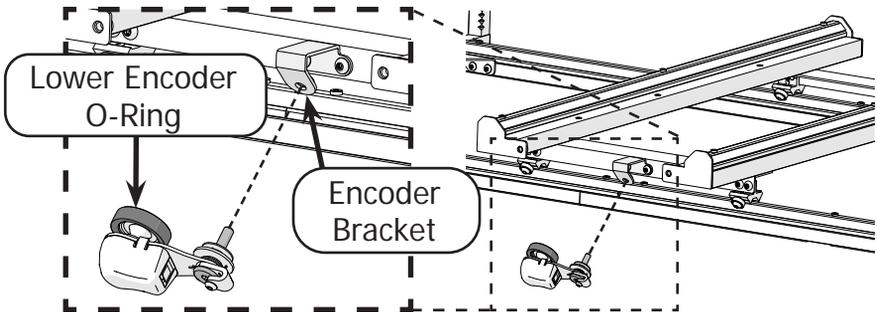


Cutie Carriage & Top Plate (Continued)

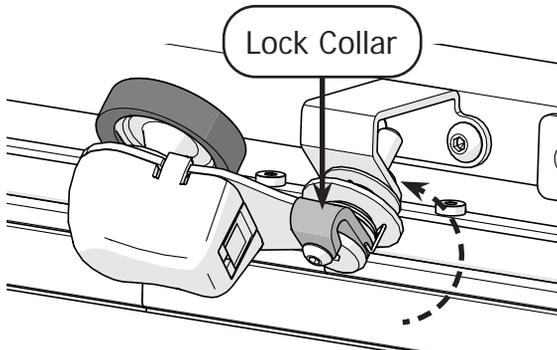
- 2 Install the bottom carriage onto the frame if it is not already installed.



- 3 With the 4 mm Allen wrench, screw the **lower encoder** into the **encoder bracket** so the **O-Ring** is to the left of the bracket.



- 4 Turn the **lock collar** to point up (12 o'clock) and tighten the lock collar screw with the 2.5 mm Allen wrench.



Assembly - SureStitch Elite

Cutie Carriage & Top Plate (Continued)

Step Two - Installing the Upper Encoder

The upper encoder tracks the machine movement across the bottom carriage.

Parts & Tools:

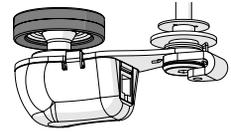
Allen Wrench
2.5 mm



Allen Wrench
4 mm

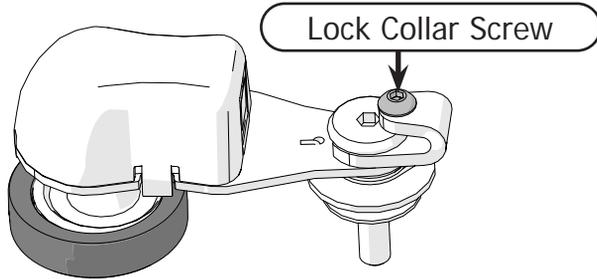


Upper Encoder V5
(purple sticker)

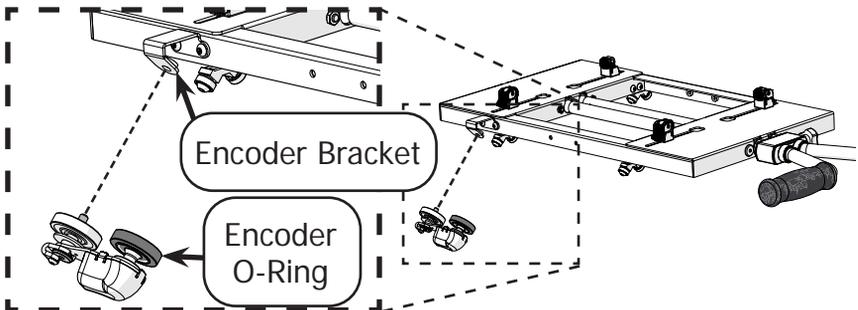


Instructions:

- 1 Use the 2.5 mm Allen wrench to carefully loosen the **encoder lock collar screw**. Do not remove this screw.

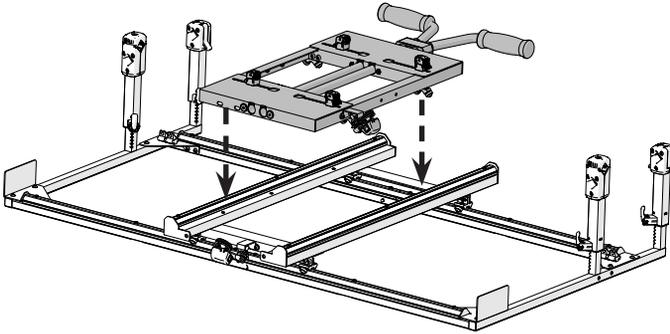


- 2 With the 4 mm Allen wrench, screw the upper encoder to the **encoder bracket** on the top plate so the **O-ring** is toward the front of the carriage.

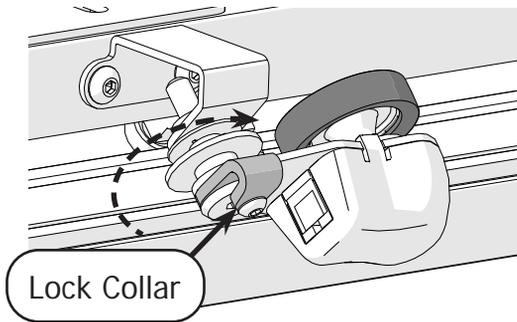


Cutie Carriage & Top Plate (Continued)

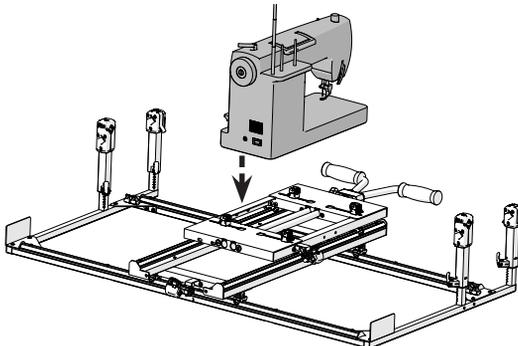
- 3 Place the top plate on the bottom carriage if this is not already done.



- 4 Turn the **lock collar** to point up (12 o'clock) and tighten the lock collar screw with the 2.5 mm Allen wrench.



- 5 Follow the instructions in your frame's manual to install your sewing machine onto the top plate.



Assembly - SureStitch Elite

Cutie Carriage & Top Plate (Continued)

Step Three - Install the Display & Control Box

The display interfaces with the control box so you are able to select your stitch length or motor speed.

Parts & Tools

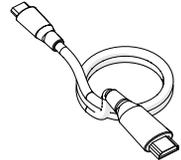
SureStitch Elite
Control Box



SureStitch Elite
Screen



Screen
Cable



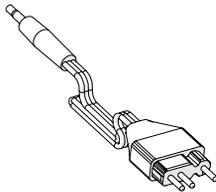
Thread Cutter
Cable



Allen Wrench
2.5 mm

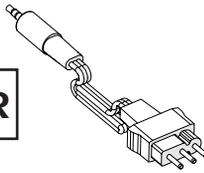


Foot Pedal "A"
Cable



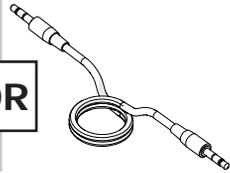
OR

Foot Pedal "B"
Cable

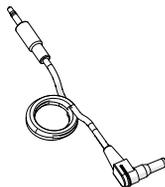


OR

Foot Pedal "C"
Cable

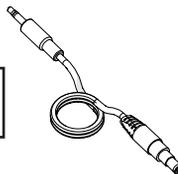


Foot Pedal "D"
Cable



OR

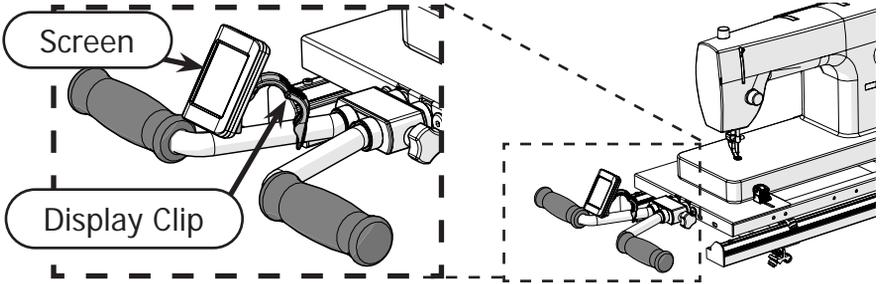
Foot Pedal "E"
Cable



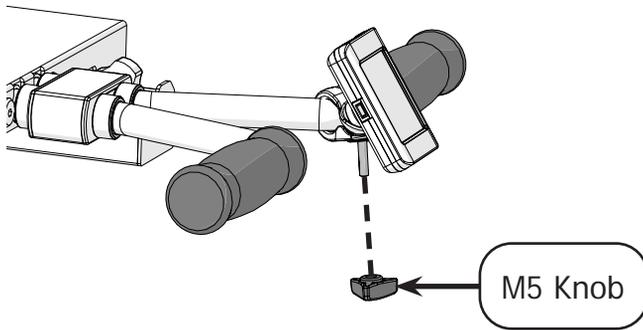
Cutie Carriage & Top Plate (Continued)

Instructions:

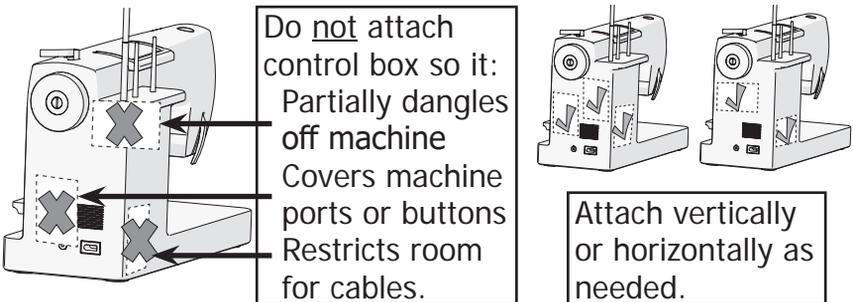
- 1 Open the **display clip** and place the **screen** onto the top plate handles.



- 2 Close the clip around the handlebar. Tighten it in place by screwing on the **M5 knob**.



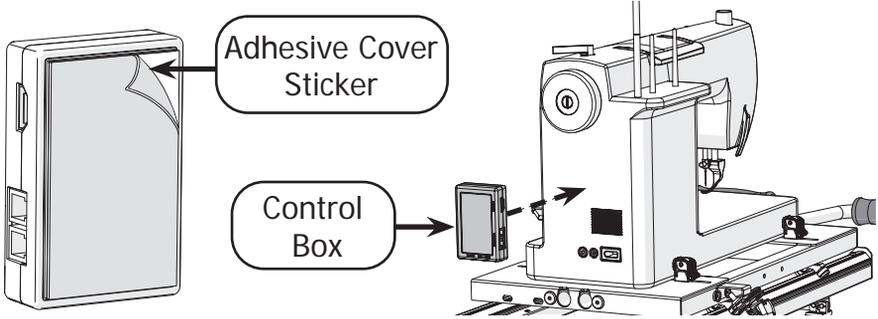
- 3 Test out where to attach the control box to your machine. Ensure there is enough space around each port for cables to be plugged in.



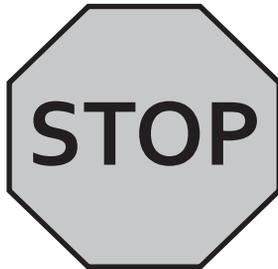
Assembly - SureStitch Elite

Cutie Carriage & Top Plate (Continued)

- 4 When you know where to attach the **control box**, remove the **sticker** covering the adhesive side of the velcro. Firmly press the control box onto the machine.

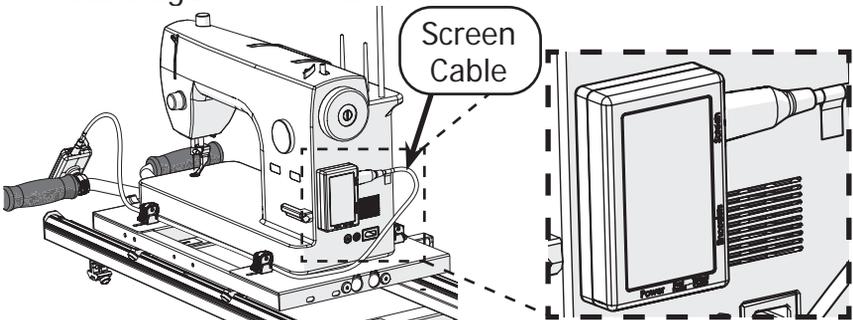


- 5 Unplug your sewing machine and make sure it is powered off.



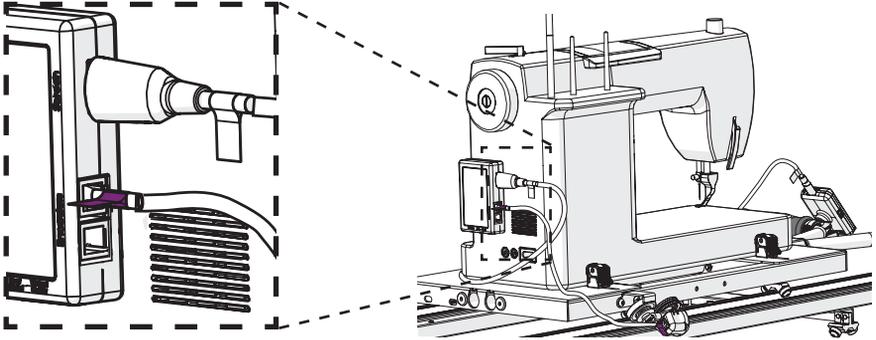
The following steps may damage your sewing machine if it is plugged in.

- 6 Plug the **screen cable** into the display and control box. **Tip:** Use the machine clamps on the top plate to pin the cable against the machine.

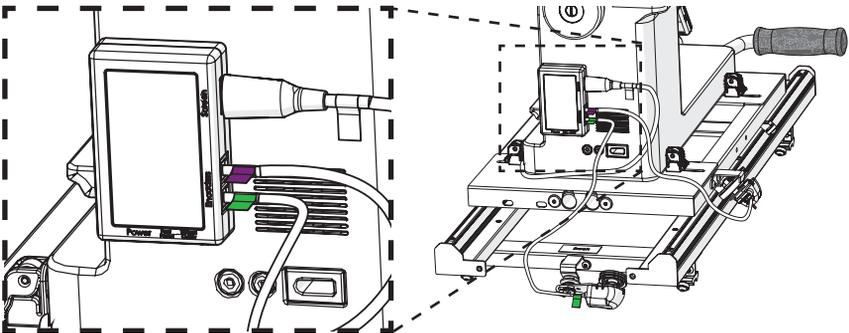


Cutie Carriage & Top Plate (Continued)

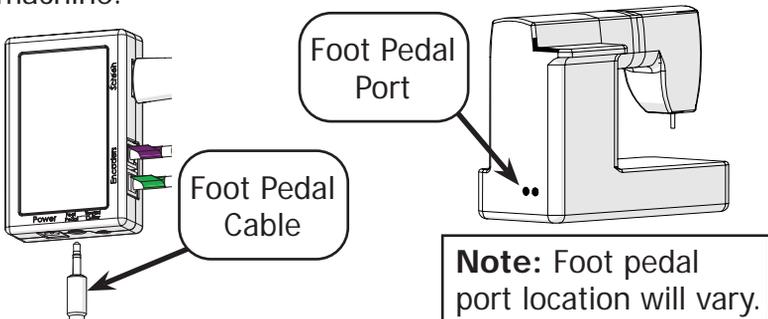
- 7 Plug the encoder with the purple sticker into the purple encoder port.



- 8 Plug the encoder with the green sticker into the green encoder port.



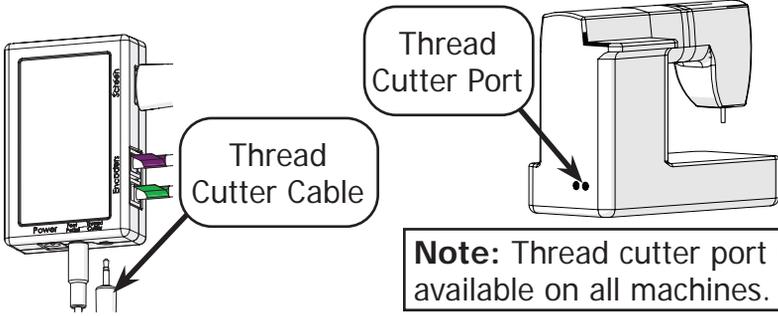
- 9 Plug SureStitch into your **sewing machine's foot pedal port** using the **foot pedal cable** that matches your machine.



Assembly - SureStitch Elite

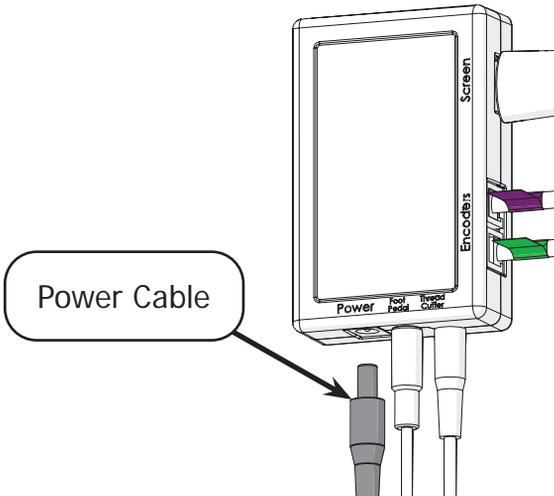
Cutie Carriage & Top Plate (Continued)

- 10 If your sewing machine has a port for its **thread cutter**, plug SureStitch into this as well with the **thread cutter cable**.



- 11 Plug SureStitch into a power outlet with the **power cable**. SureStitch will turn on automatically.

Do not power on your sewing machine at this time.



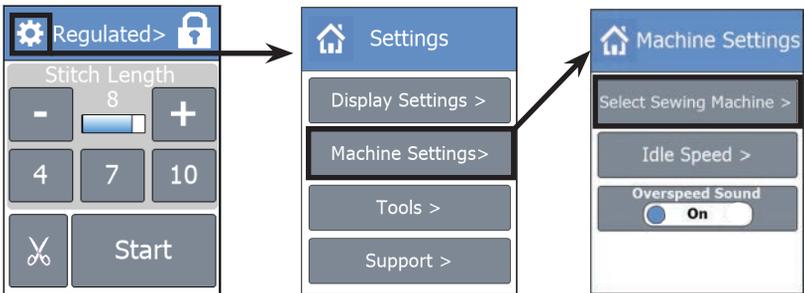
Cutie Carriage & Top Plate (Continued)

Step Four - Calibrating SureStitch for Your Machine

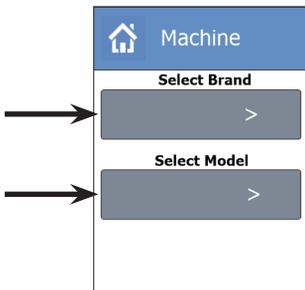
Take the steps below to set up SureStitch to work with your brand and model of sewing machine. Damage to sewing machine may occur if your machine is powered on and connected to SureStitch before SureStitch has been set up to work with your machine.

Warning: Power off your sewing machine before taking these steps.

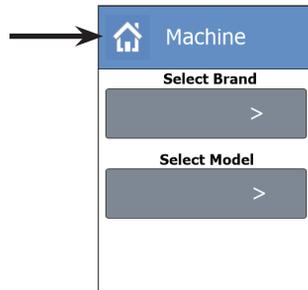
- 1 Press the **Settings** icon and choose **Machine Settings**. The **Machine Settings** menu will open. Press **Select Sewing Machine**.



- 2 Choose the **brand** of your machine and then select the **model**.



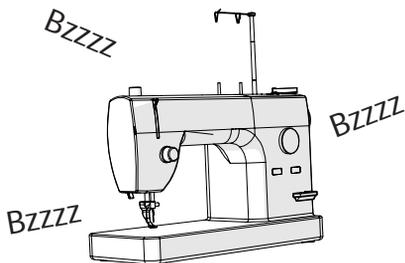
- 3 Press the **Home icon** at the top to close out of the menu.



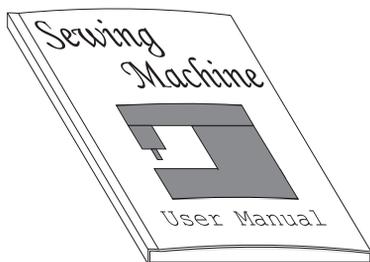
Assembly - SureStitch Elite

Cutie Carriage & Top Plate (Continued)

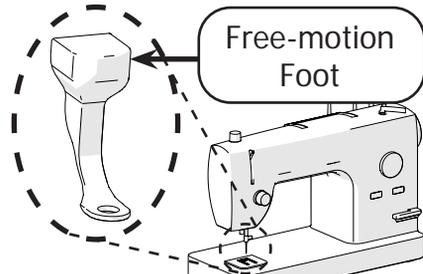
- 4 Turn on your sewing machine. You may hear the motors in your machine engage briefly.



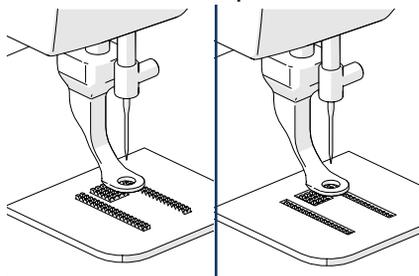
- 5 Check your **sewing machine's user manual** to set your machine to quilting mode. This is not available on all machines, but if it is available it should be used.



- 6 Swap out the presser foot on your machine for a **free-motion** or **embroidery foot**.

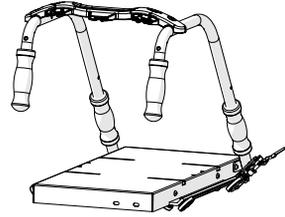
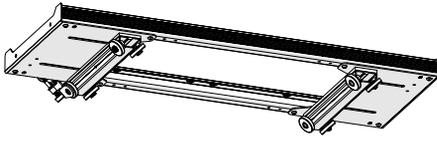


- 7 Lower the feed dogs on your sewing machine so they don't catch on the back of the quilt.



- 8 You're almost ready to get started! Go to page 77 for your final steps.

Continuum Carriage & G-Series Top Plate

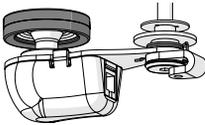


Step One - Installing the Lower Encoder

The lower encoder tracks the movement of the bottom carriage across the frame. This helps SureStitch calculate the length of each stitch as you quilt.

Parts & Tools:

Lower Encoder V5
(green sticker)



Allen Wrench
2.5 mm

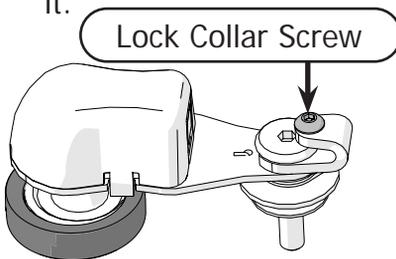


Allen Wrench
4 mm

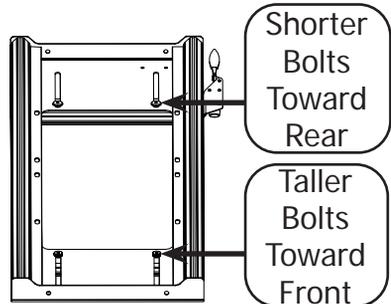


Instructions:

- 1 Use the 2.5 mm Allen wrench to loosen the **encoder lock collar screw** without removing it.



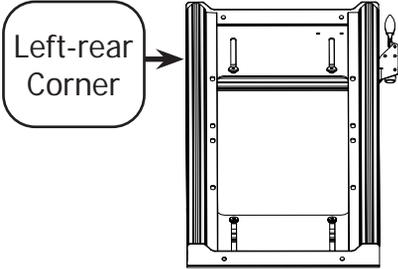
- 2 Locate the front of the bottom carriage.



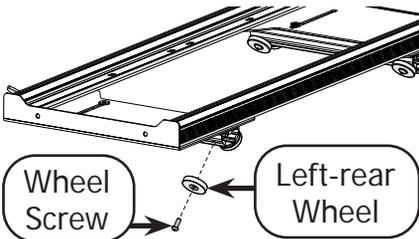
Assembly - SureStitch Elite

Continuum Carriage & G-Series Top Plate (Continued)

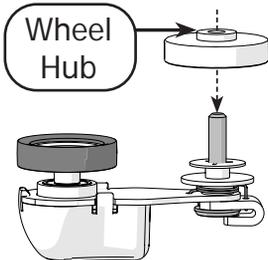
- 3 Find the **left-rear corner** of the bottom carriage.



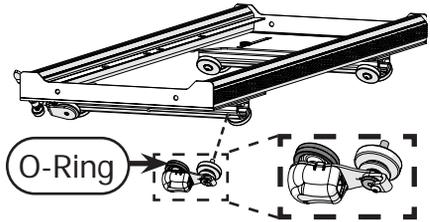
- 4 With the 4 mm Allen wrench, remove the outermost **left-rear wheel** and **screw** from the bottom carriage.



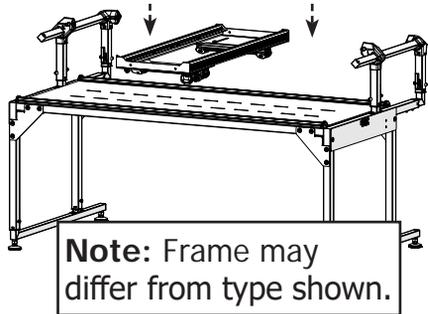
- 5 Place the carriage wheel onto the encoder screw so the **wheel hub** faces away from the encoder.



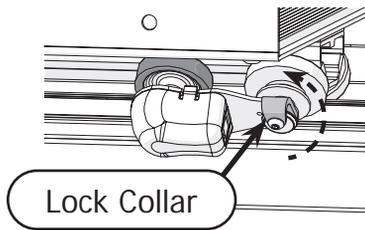
- 6 Screw the encoder and wheel back into the carriage so that the encoder **O-ring** is to the left of the wheel.



- 7 If the bottom carriage is not already on the frame, place it there now.



- 8 Turn the encoder **lock collar** to point upwards and tighten the lock collar screw with the 2.5 mm Allen wrench.



Continuum Carriage & G-Series Top Plate (Continued)

Step Two - Installing the Upper Encoder

The upper encoder tracks the movement of the top plate across the bottom carriage.

Parts & Tools:

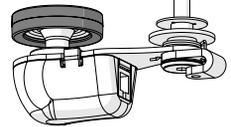
Allen Wrench
2.5 mm



Allen Wrench
4 mm

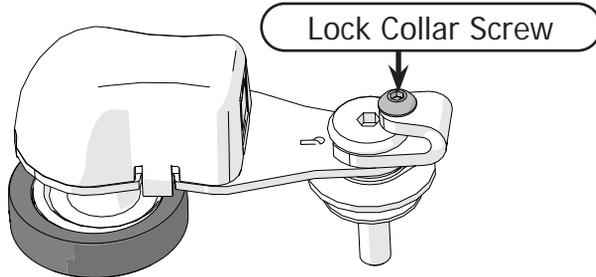


Upper Encoder V5
(purple sticker)

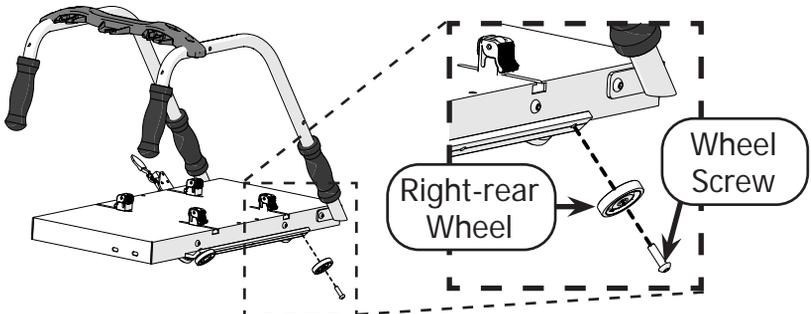


Instructions:

- 1 Use the 2.5 mm Allen wrench to carefully loosen the **encoder lock collar screw**. Do not remove this screw.



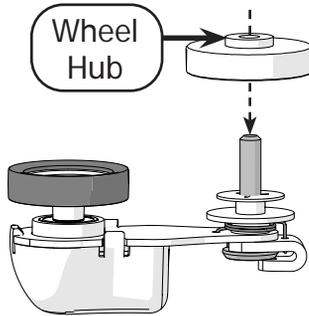
- 2 Remove the **right-rear wheel** and **wheel screw** from the top plate with the 4 mm Allen wrench.



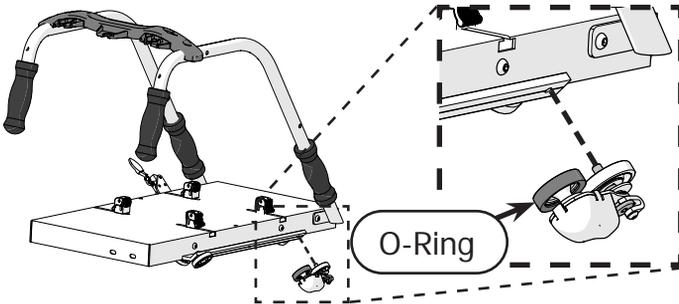
Assembly - SureStitch Elite

Continuum Carriage & G-Series Top Plate (Continued)

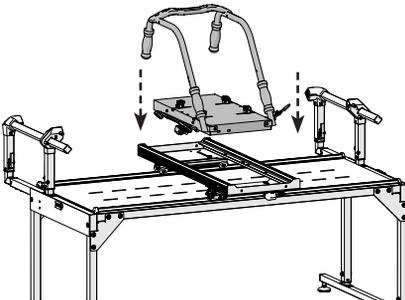
- 3 Place the bottom carriage wheel onto the encoder screw so the **wheel hub** faces away from the encoder.



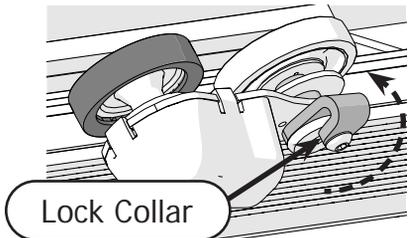
- 4 Install the wheel and encoder onto the top plate. The encoder **O-ring** should lay between the right front and rear wheels.



- 5 Install the top plate onto the **bottom carriage**, if it is not already there.



- 6 Turn the encoder **lock collar** upwards, and tighten the lock collar screw with the 2.5 mm Allen wrench.



Continuum Carriage & G-Series Top Plate (Continued)

Step Three - Install the Display & Control Box

The display interfaces with the control box so you are able to select your stitch length or motor speed.

Parts & Tools

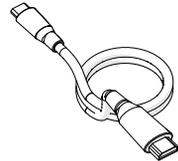
SureStitch Elite
Control Box



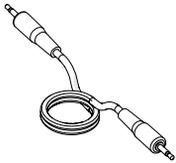
SureStitch Elite
Screen



Screen
Cable



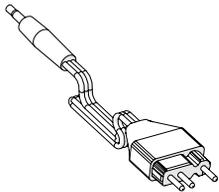
Thread Cutter
Cable



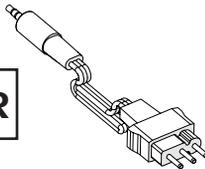
Allen Wrench
2.5 mm



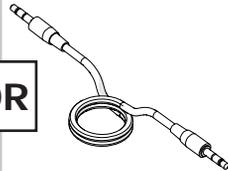
Foot Pedal "A"
Cable



Foot Pedal "B"
Cable



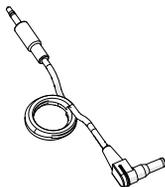
Foot Pedal "C"
Cable



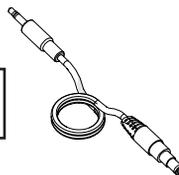
OR

OR

Foot Pedal "D"
Cable



Foot Pedal "E"
Cable



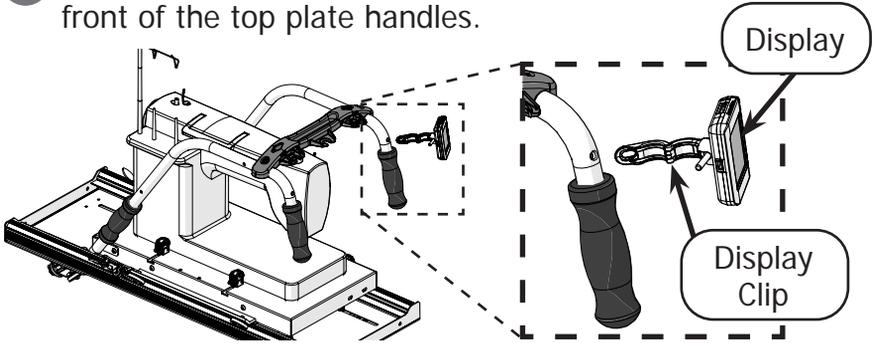
OR

Assembly - SureStitch Elite

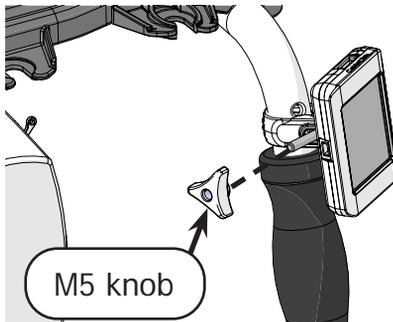
Continuum Carriage & G-Series Top Plate (Continued)

Instructions:

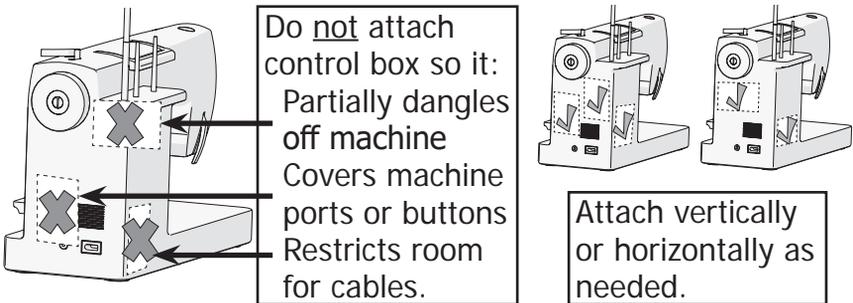
- 1 Open the **display clip** and place the **display** onto the front of the top plate handles.



- 2 Close the clip around the handlebar. Tighten it in place by screwing on the **M5 knob**.

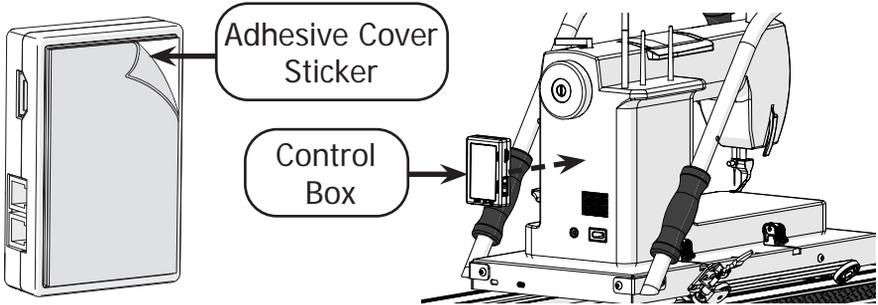


- 3 Test out where to attach the control box to your machine. Ensure there is enough space around each port for cables to be plugged in.

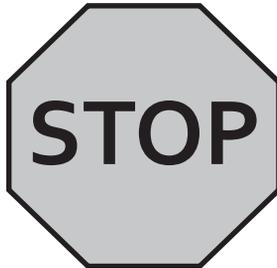


Continuum Carriage & G-Series Top Plate (Continued)

- 4 When you know where to attach the **control box**, remove the **sticker** covering the adhesive side of the velcro. Firmly press the control box onto the machine.

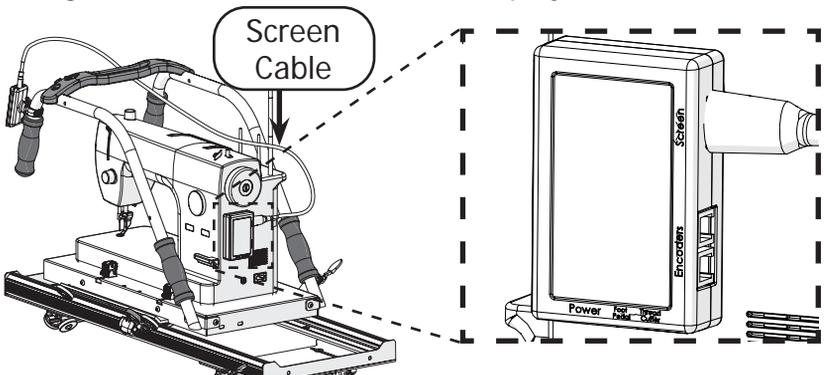


- 5 Unplug your sewing machine and make sure it is powered off.



The following steps may damage your sewing machine if it is plugged in.

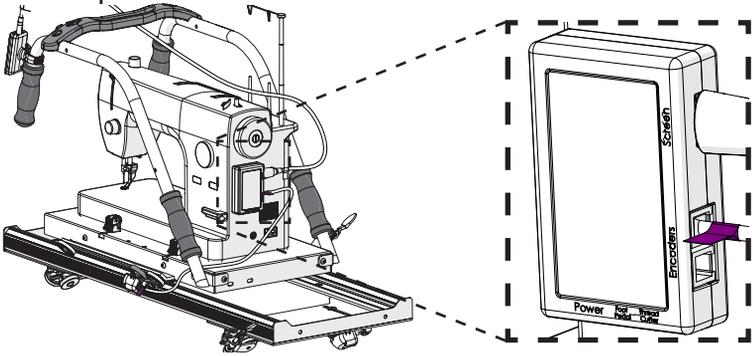
- 6 Plug the **screen cable** into the display and control box.



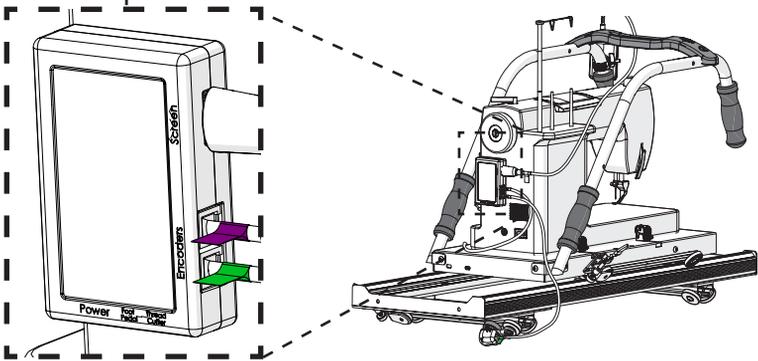
Assembly - SureStitch Elite

Continuum Carriage & G-Series Top Plate (Continued)

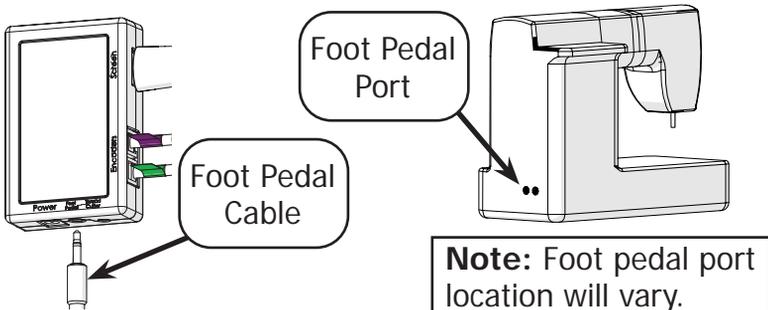
- 6 Plug the encoder with the purple sticker into the purple encoder port.



- 7 Plug the encoder with the green sticker into the green encoder port.

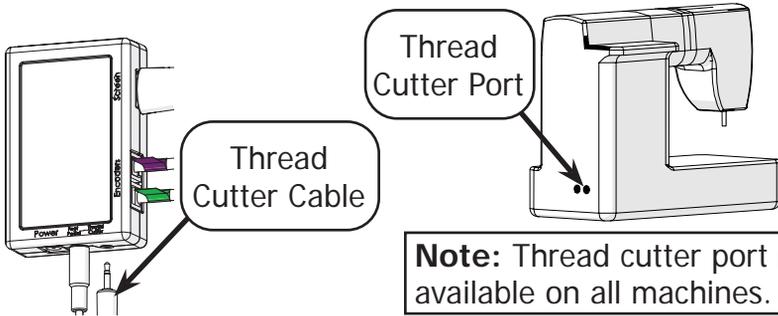


- 9 Plug SureStitch into your sewing machine's foot pedal port using the foot pedal cable that matches your machine.



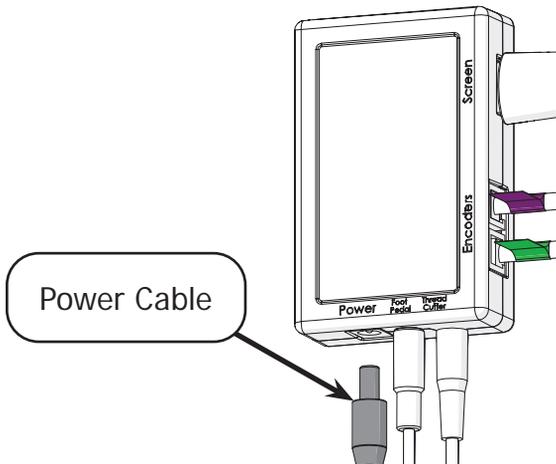
Continuum Carriage & G-Series Top Plate (Continued)

- 10 If your sewing machine has a port for its **thread cutter**, plug SureStitch into this as well with the **thread cutter cable**.



- 11 Plug SureStitch into a power outlet with the **power cable**. SureStitch will turn on automatically.

Do not power on your sewing machine at this time.

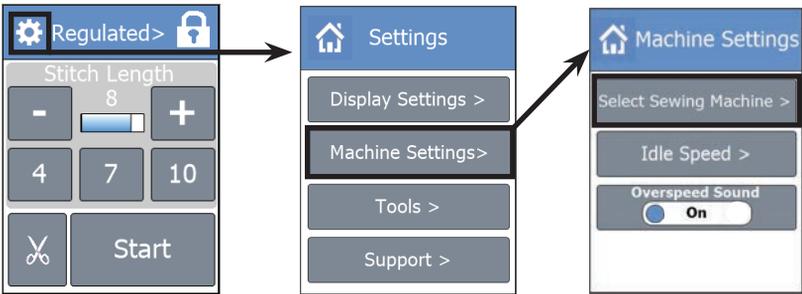


Step Four - Calibrating SureStitch for Your Machine

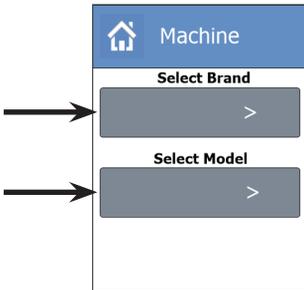
Take the steps below to set up SureStitch to work with your brand and model of sewing machine. Damage to sewing machine may occur if your machine is powered on and connected to SureStitch before SureStitch has been set up to work with your machine.

Warning: Power off your sewing machine before taking these steps.

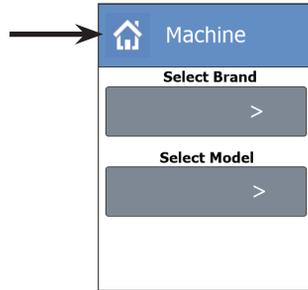
- 1 Press the **Settings** icon and choose **Machine Settings**. The **Machine Settings** menu will open. Press **Select Sewing Machine**.



- 2 Choose the **brand** of your machine and then select the **model**.

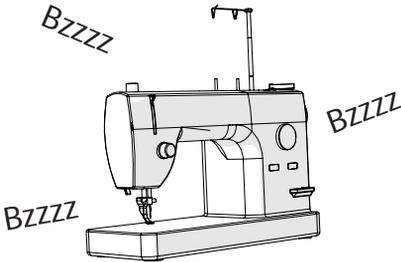


- 3 Press the **Home icon** at the top to close out of the menu.

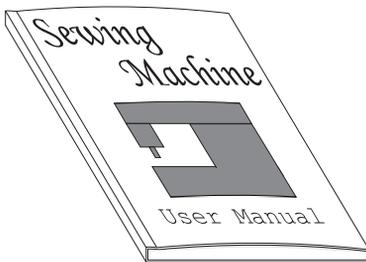


Continuum Carriage & G-Series Top Plate (Continued)

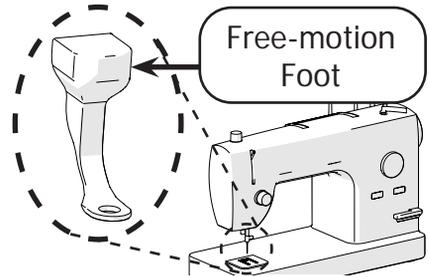
- 4 Turn on your sewing machine. You may hear the motors in your machine engage briefly.



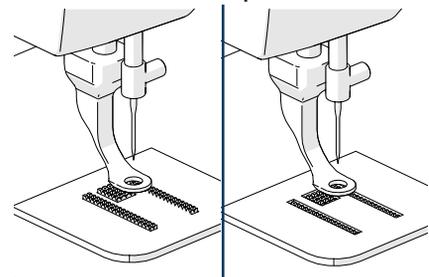
- 5 Check your **sewing machine's user manual** to set your machine to quilting mode. This is not available on all machines, but if it is available it should be used.



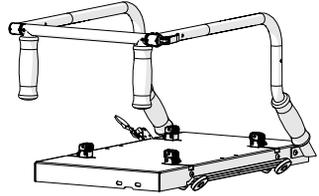
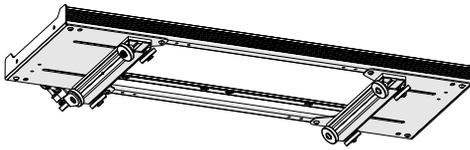
- 6 Swap out the presser foot on your machine for a **free-motion** or **embroidery foot**.



- 7 Lower the feed dogs on your sewing machine so they don't catch on the back of the quilt.



- 8 You're almost ready to get started! Go to page 77 for your final steps.

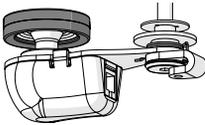


Step One - Installing the Lower Encoder

The lower encoder tracks the movement of the bottom carriage across the frame. This helps SureStitch calculate the length of each stitch as you quilt.

Parts & Tools:

Lower Encoder V5
(green sticker)



Allen Wrench
2.5 mm

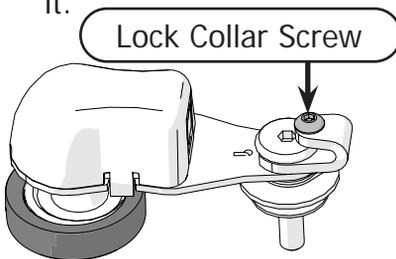


Allen Wrench
4 mm

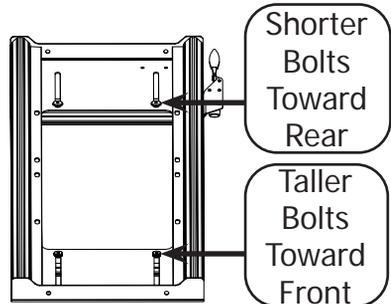


Instructions:

- 1 Use the 2.5 mm Allen wrench to loosen the **encoder lock collar screw** without removing it.

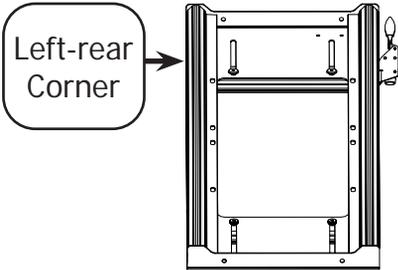


- 2 Locate the front of the bottom carriage.

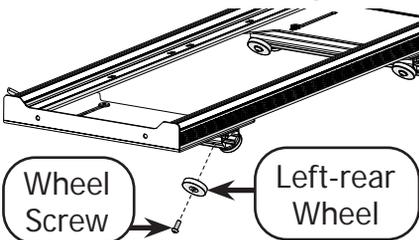


Continuum Carriage & G-Series 2 Top Plate (Continued)

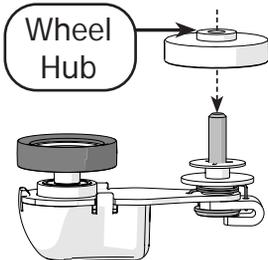
- 3 Find the **left-rear corner** of the bottom carriage.



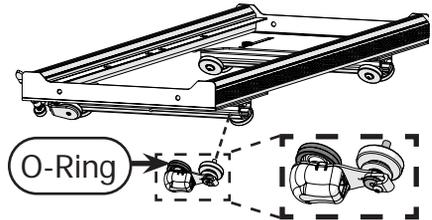
- 4 With the 4 mm Allen wrench, remove the outermost **left-rear wheel** and **screw** from the bottom carriage.



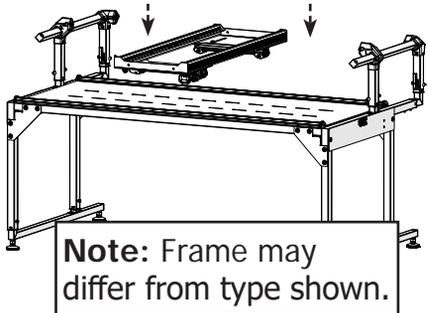
- 5 Place the carriage wheel onto the encoder screw so the **wheel hub** faces away from the encoder.



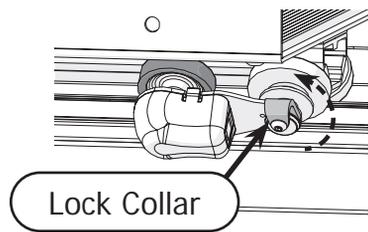
- 6 Screw the encoder and wheel back into the carriage so that the encoder **O-ring** is to the left of the wheel.



- 7 If the bottom carriage is not already on the frame, place it there now.



- 8 Turn the encoder **lock collar** to point upwards and tighten the lock collar screw with the 2.5 mm Allen wrench.



Step Two - Installing the Upper Encoder

The upper encoder tracks the movement of the top plate across the bottom carriage.

Parts & Tools:

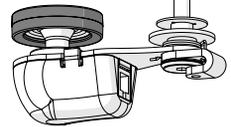
Allen Wrench
2.5 mm



Allen Wrench
4 mm

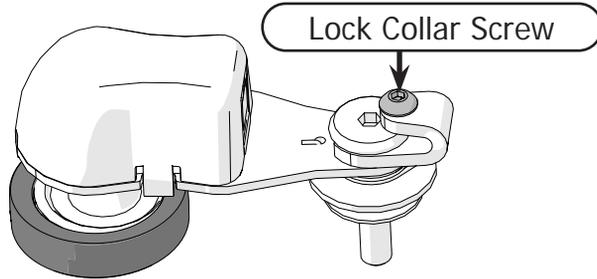


Upper Encoder V5
(purple sticker)

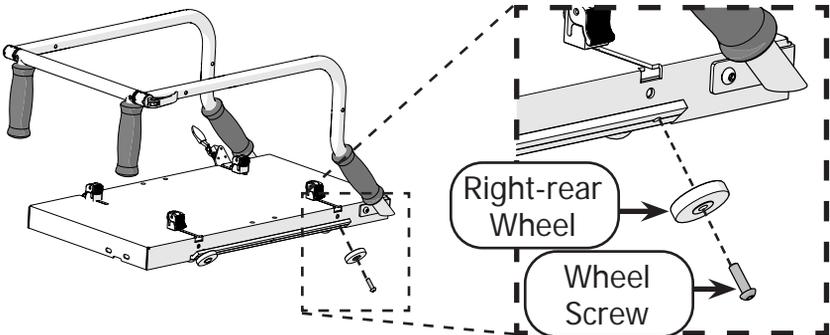


Instructions:

- 1 Use the 2.5 mm Allen wrench to carefully loosen the **encoder lock collar screw**. Do not remove this screw.

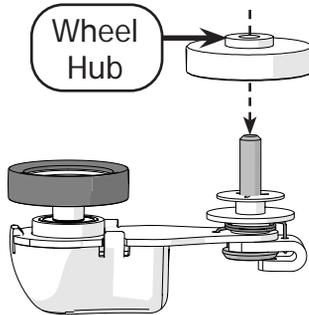


- 2 Remove the **right-rear wheel** and **screw** from the top plate with the 4 mm Allen wrench.

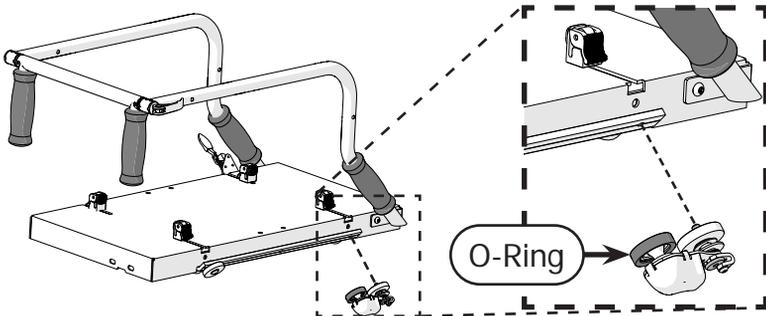


Continuum Carriage & G-Series 2 Top Plate (Continued)

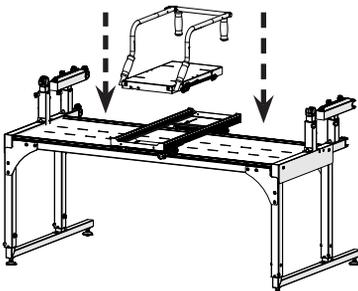
- 3 Place the bottom carriage wheel onto the encoder screw so the **wheel hub** faces away from the encoder.



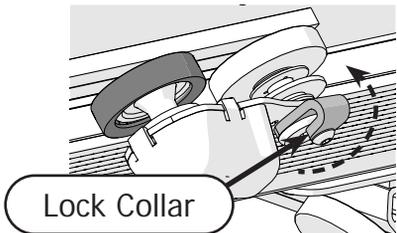
- 4 Install the wheel and encoder onto the top plate. The encoder **O-Ring** should lay between the front and rear wheels.



- 5 Install the top plate onto the **bottom carriage**, if it is not already there.



- 6 Turn the encoder lock collar upwards, and tighten the lock collar screw with the 2.5 mm Allen wrench.



Assembly - SureStitch Elite

Continuum Carriage & G-Series 2 Top Plate (Continued)

Step Three - Install the Display & Control Box

The display interfaces with the control box so you are able to select your stitch length or motor speed.

Parts & Tools

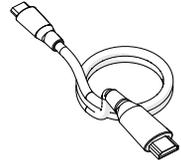
SureStitch Elite
Control Box



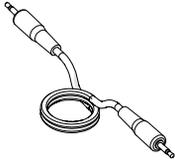
SureStitch Elite
Screen



Screen
Cable



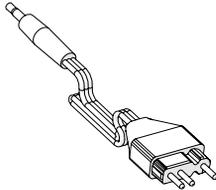
Thread Cutter
Cable



Allen Wrench
2.5 mm

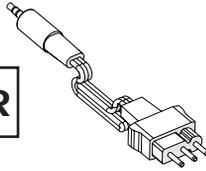


Foot Pedal "A"
Cable



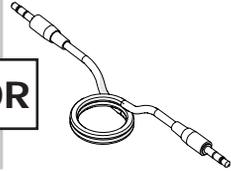
OR

Foot Pedal "B"
Cable

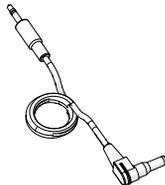


OR

Foot Pedal "C"
Cable

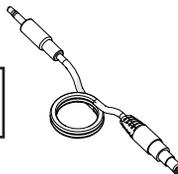


Foot Pedal "D"
Cable



OR

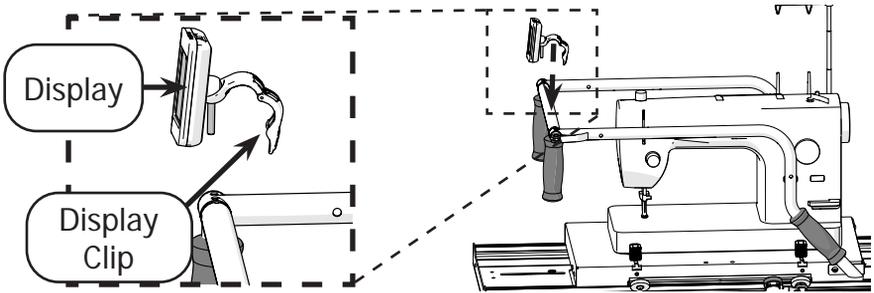
Foot Pedal "E"
Cable



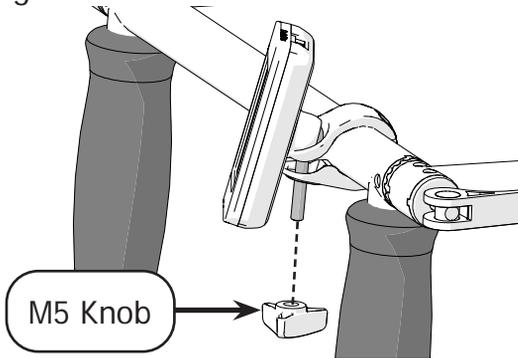
Continuum Carriage & G-Series 2 Top Plate (Continued)

Instructions:

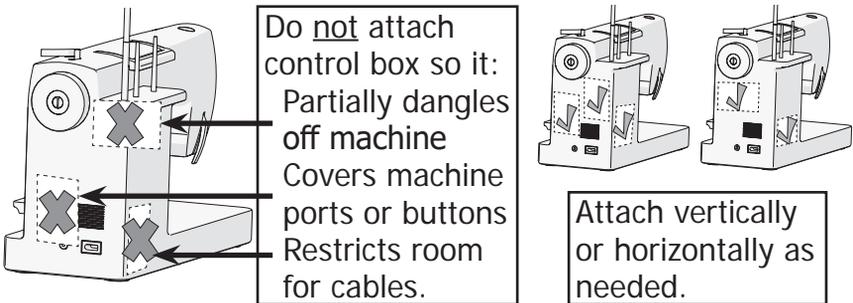
- 1 Open the **display clip** and place the **display** onto the front of the top plate handles.



- 2 Close the clip around the handlebar. Tighten it in place by screwing on the **M5 knob**.



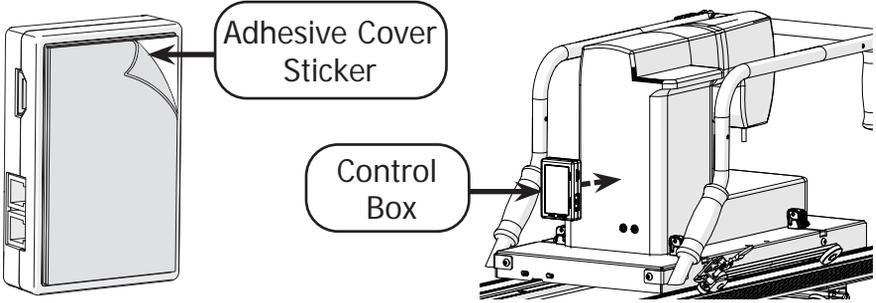
- 3 Test out where to attach the control box to your machine. Ensure there is enough space around each port for cables to be plugged in.



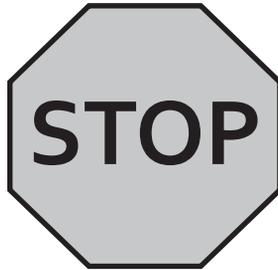
Assembly - SureStitch Elite

Continuum Carriage & G-Series 2 Top Plate (Continued)

- 4 When you know where to attach the **control box**, remove the **sticker** covering the adhesive side of the velcro. Firmly press the control box onto the machine.

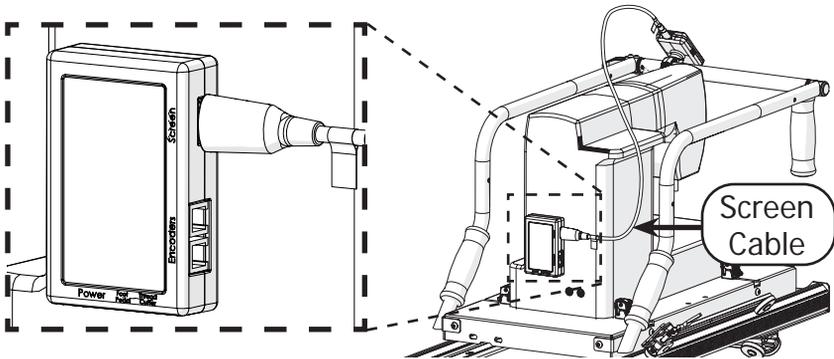


- 5 Unplug your sewing machine and make sure it is powered off.



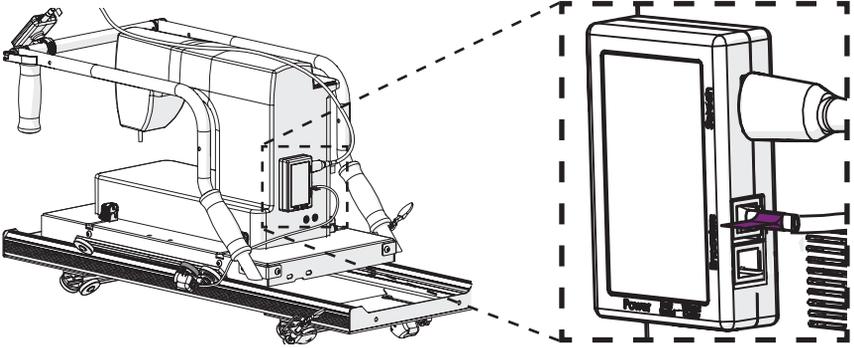
The following steps may damage your sewing machine if it is plugged in.

- 6 Plug the **screen cable** into the display and control box.

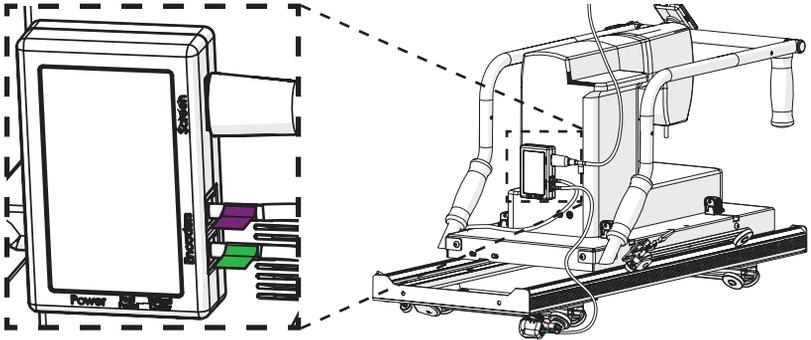


Continuum Carriage & G-Series 2 Top Plate (Continued)

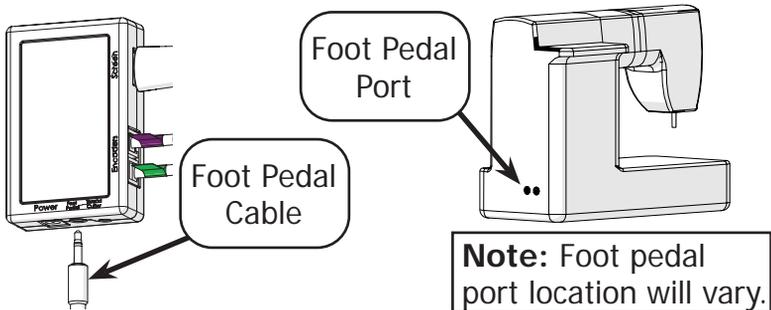
- 6 Plug the encoder with the purple sticker into the purple encoder port.



- 7 Plug the encoder with the green sticker into the green encoder port.



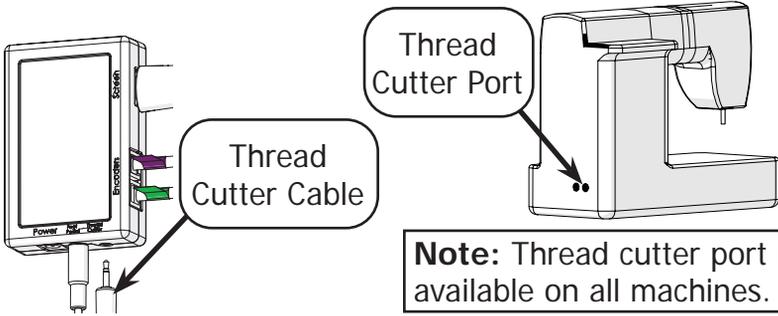
- 9 Plug SureStitch into your **sewing machine's foot pedal port** using the **foot pedal cable** that matches your machine.



Assembly - SureStitch Elite

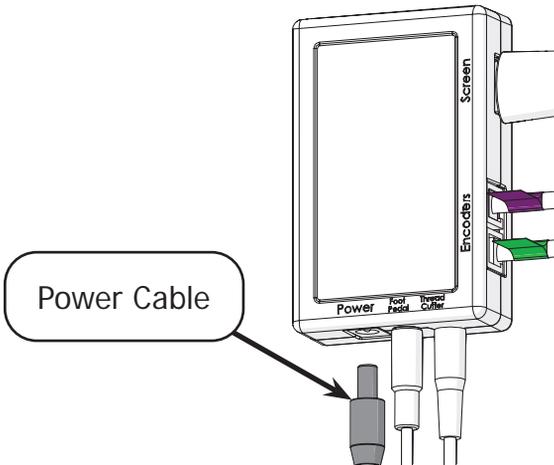
Continuum Carriage & G-Series 2 Top Plate (Continued)

- 10 If your sewing machine has a port for its **thread cutter**, plug SureStitch into this as well with the **thread cutter cable**.



- 11 Plug SureStitch into a power outlet with the **power cable**. SureStitch will turn on automatically.

Do not power on your sewing machine at this time.

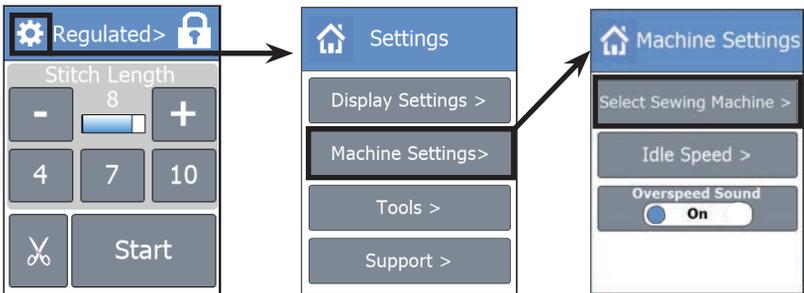


Step Four - Calibrating SureStitch for Your Machine

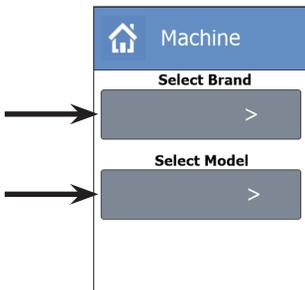
Take the steps below to set up SureStitch to work with your brand and model of sewing machine. Damage to sewing machine may occur if your machine is powered on and connected to SureStitch before SureStitch has been set up to work with your machine.

Warning: Power off your sewing machine before taking these steps.

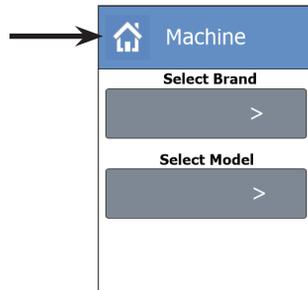
- 1 Press the **Settings** icon and choose **Machine Settings**. The **Machine Settings** menu will open. Press **Select Sewing Machine**.



- 2 Choose the **brand** of your machine and then select the **model**.



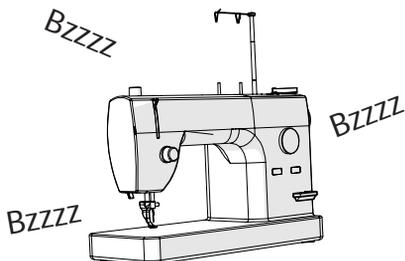
- 3 Press the **Home icon** at the top to close out of the menu.



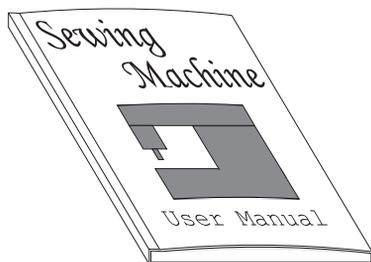
Assembly - SureStitch Elite

Continuum Carriage & G-Series 2 Top Plate (Continued)

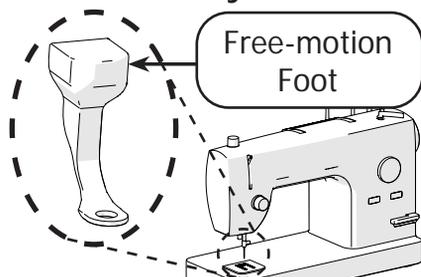
- 4 Turn on your sewing machine. You may hear the motors in your machine engage briefly.



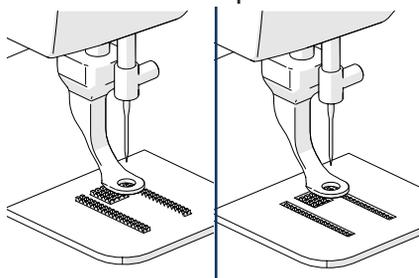
- 5 Check your **sewing machine's user manual** to set your machine to quilting mode. This is not available on all machines, but if it is available it should be used.



- 6 Swap out the presser foot on your machine for a **free-motion** or **embroidery foot**.

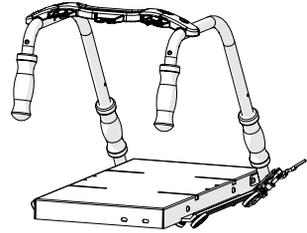
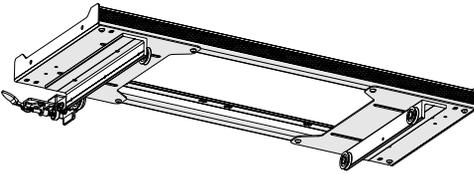


- 7 Lower the feed dogs on your sewing machine so they don't catch on the back of the quilt.



- 8 You're almost ready to get started! Go to page 77 for your final steps.

G-Series Carriage & G-Series Top Plate

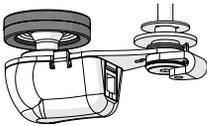


Step One - Installing the Lower Encoder

The lower encoder tracks the movement of the bottom carriage across the frame. This helps SureStitch calculate the length of each stitch as you quilt.

Parts & Tools:

Lower Encoder V5
(green sticker)



Allen Wrench
2.5 mm

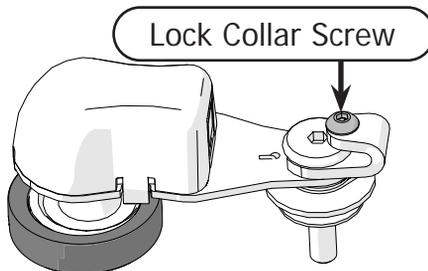


Allen Wrench
4 mm



Instructions:

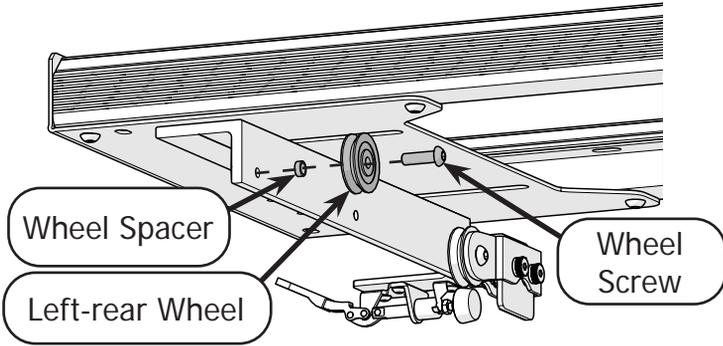
- 1 Use the 2.5 mm Allen wrench to loosen the **encoder lock collar screw** without removing it.



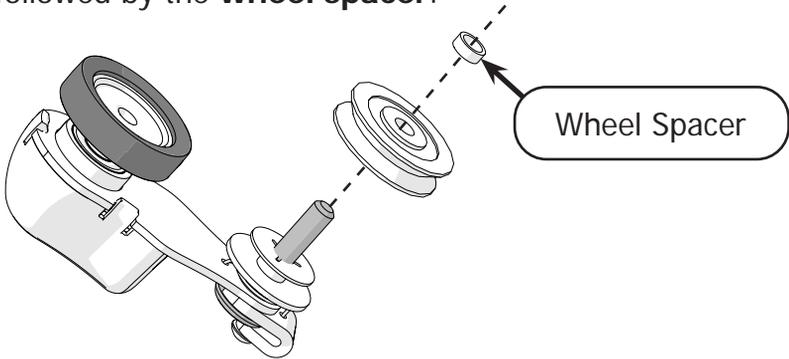
Assembly - SureStitch Elite

G-Series Carriage & G-Series Top Plate (Continued)

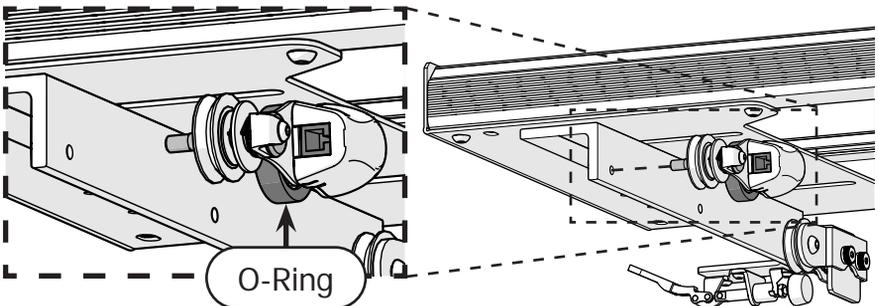
- 2 With the 4 mm Allen wrench, remove the **left-rear wheel**, **spacer**, and **screw** from the carriage.



- 3 Place the bottom carriage wheel onto the encoder screw, followed by the **wheel spacer**.

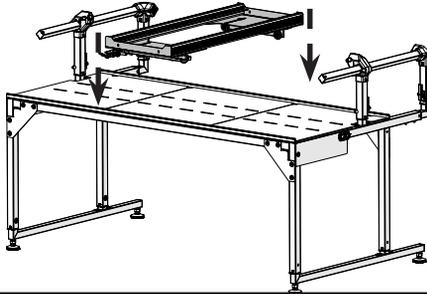


- 4 Screw the encoder and wheel into the carriage with the 4 mm Allen wrench so that the encoder **O-ring** lays between the two rear wheels.



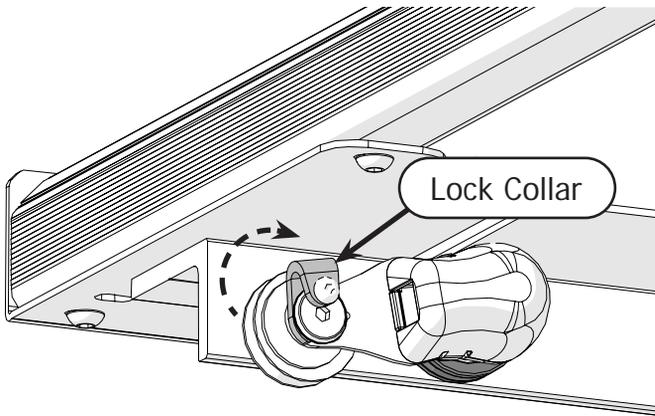
G-Series Carriage & G-Series Top Plate (Continued)

- 5 If the bottom carriage is not already on the frame, place it now.



Note: Frame may differ from type shown.

- 6 Turn the encoder **lock collar** upwards, and tighten the lock collar screw with the 2.5 mm Allen wrench.



Step Two - Installing the Upper Encoder

The upper encoder tracks the movement of the top plate across the bottom carriage.

Parts & Tools:

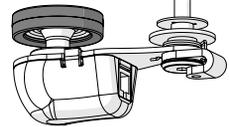
Allen Wrench
2.5 mm



Allen Wrench
4 mm

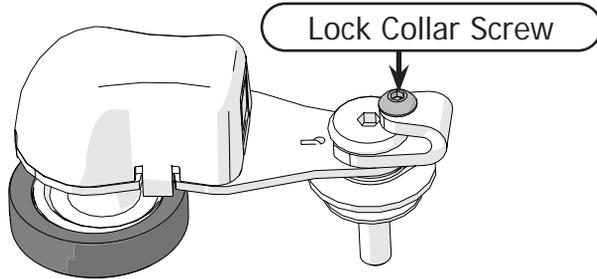


Upper Encoder V5
(purple sticker)

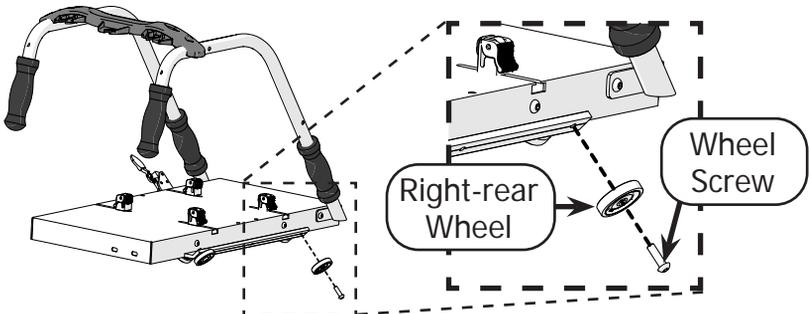


Instructions:

- 1 Use the 2.5 mm Allen wrench to carefully loosen the **encoder lock collar screw**. Do not remove this screw.

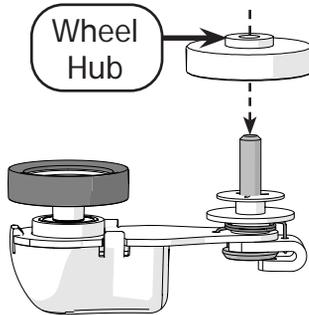


- 2 Remove the **right-rear wheel** and **wheel screw** from the top plate with the 4 mm Allen wrench.

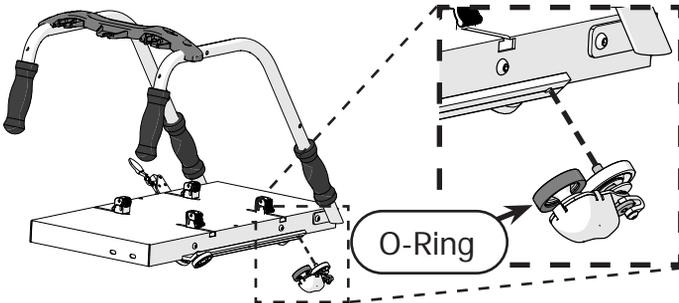


G-Series Carriage & G-Series Top Plate (Continued)

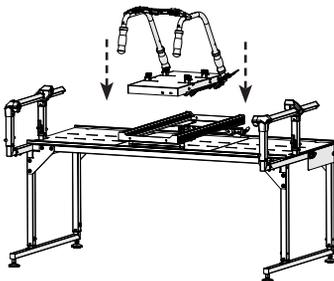
- 3 Place the bottom carriage wheel onto the encoder screw so the **wheel hub** faces away from the encoder.



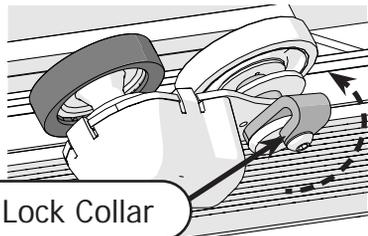
- 4 Install the wheel and encoder onto the top plate. The encoder **O-ring** should lay between the right front and rear wheels.



- 5 Install the top plate onto the **bottom carriage**, if it is not already there.



- 6 Turn the encoder **lock collar** upwards, and tighten the lock collar screw with the 2.5 mm Allen wrench.



Assembly - SureStitch Elite

G-Series Carriage & G-Series Top Plate (Continued)

Step Three - Install the Display & Control Box

The display interfaces with the control box so you are able to select your stitch length or motor speed.

Parts & Tools

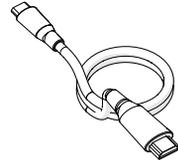
SureStitch Elite
Control Box



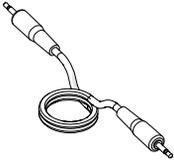
SureStitch Elite
Screen



Screen
Cable



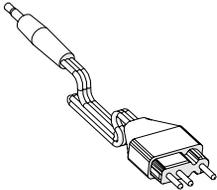
Thread Cutter
Cable



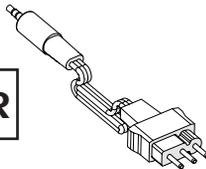
Allen Wrench
2.5 mm



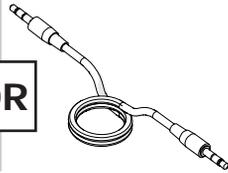
Foot Pedal "A"
Cable



Foot Pedal "B"
Cable



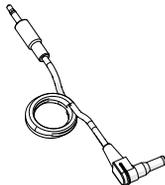
Foot Pedal "C"
Cable



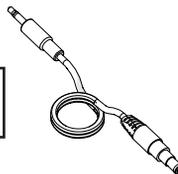
OR

OR

Foot Pedal "D"
Cable



Foot Pedal "E"
Cable

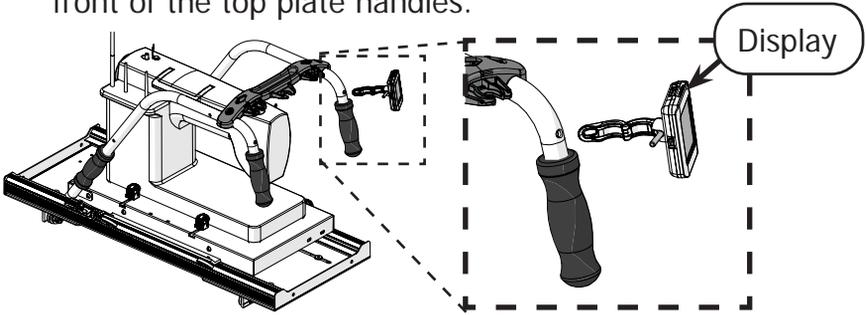


OR

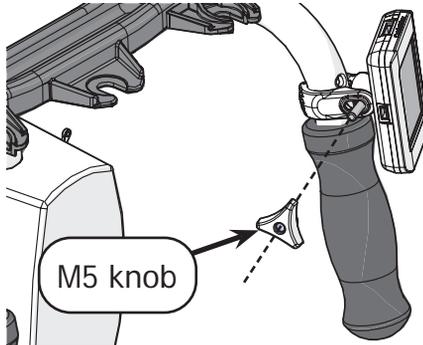
G-Series Carriage & G-Series Top Plate (Continued)

Instructions:

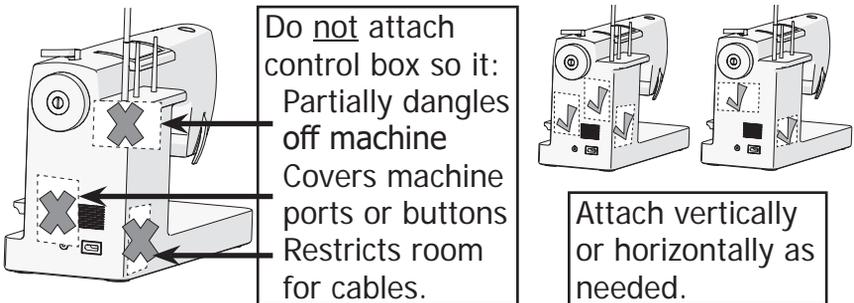
- 1 Open the **display clip** and place the **display** onto the front of the top plate handles.



- 2 Close the clip around the handlebar. Tighten it in place by screwing on the **M5 knob**.



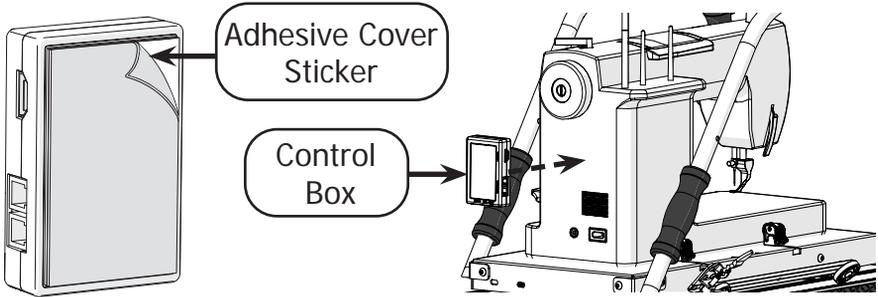
- 3 Test out where to attach the control box to your machine. Ensure there is enough space around each port for cables to be plugged in.



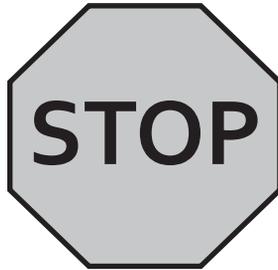
Assembly - SureStitch Elite

G-Series Carriage & G-Series Top Plate (Continued)

- 4 When you know where to attach the **control box**, remove the **sticker** covering the adhesive side of the velcro. Firmly press the control box onto the machine.

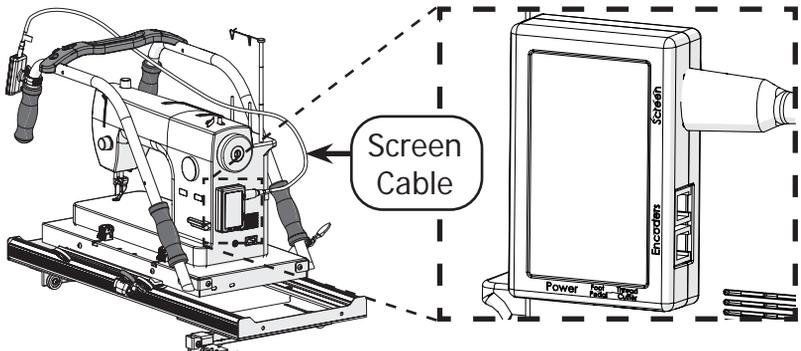


- 5 Unplug your sewing machine and make sure it is powered off.



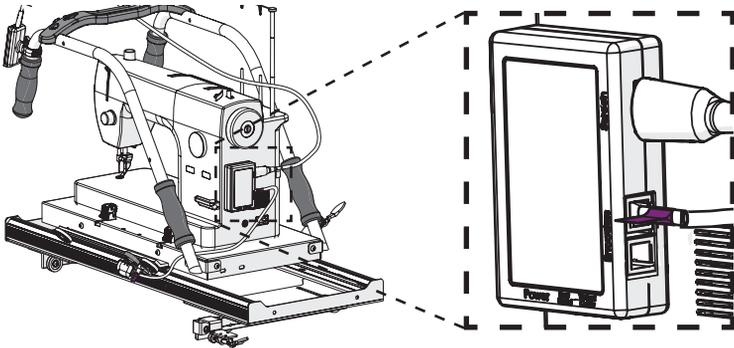
The following steps may damage your sewing machine if it is plugged in.

- 6 Plug the **screen cable** into the display and control box.

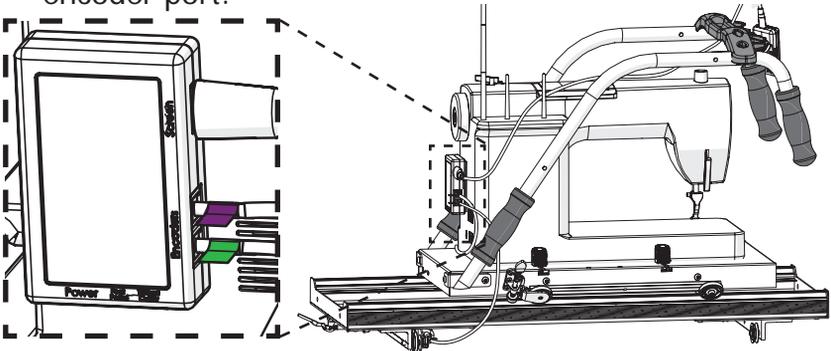


G-Series Carriage & G-Series Top Plate (Continued)

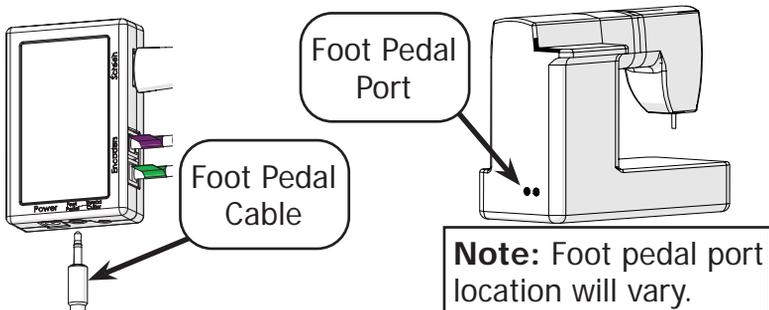
- 6 Plug the encoder with the purple sticker into the purple encoder port.



- 7 Plug the encoder with the green sticker into the green encoder port.



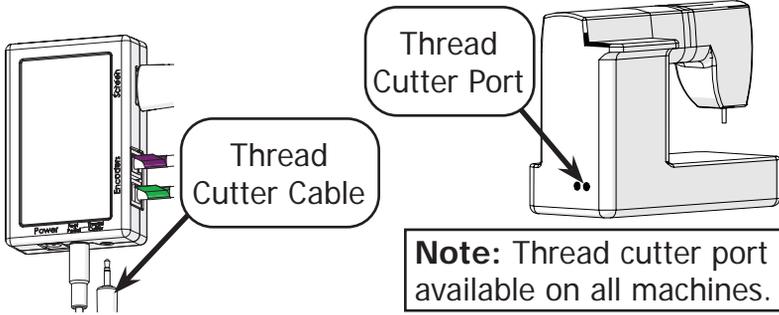
- 9 Plug SureStitch into your **sewing machine's foot pedal port** using the **foot pedal cable** that matches your machine.



Assembly - SureStitch Elite

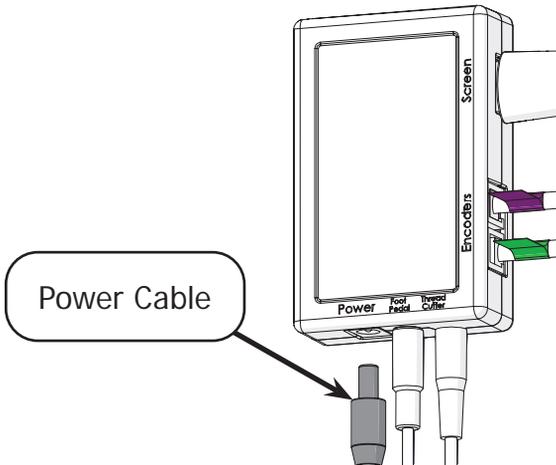
G-Series Carriage & G-Series Top Plate (Continued)

- 10 If your sewing machine has a port for its **thread cutter**, plug SureStitch into this as well with the **thread cutter cable**.



- 11 Plug SureStitch into a power outlet with the **power cable**. SureStitch will turn on automatically.

Do not power on your sewing machine at this time.

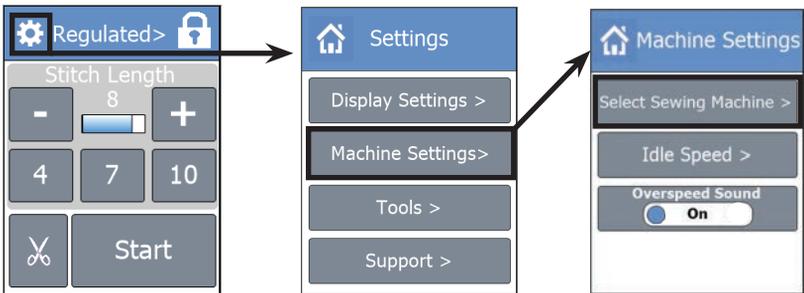


Step Four - Calibrating SureStitch for Your Machine

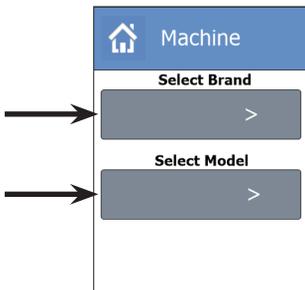
Take the steps below to set up SureStitch to work with your brand and model of sewing machine. Damage to sewing machine may occur if your machine is powered on and connected to SureStitch before SureStitch has been set up to work with your machine.

Warning: Power off your sewing machine before taking these steps.

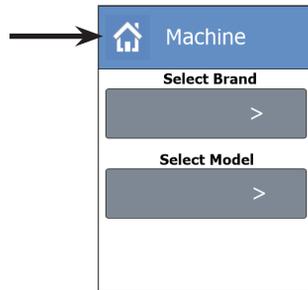
- 1 Press the **Settings** icon and choose **Machine Settings**. The **Machine Settings** menu will open. Press **Select Sewing Machine**.



- 2 Choose the **brand** of your machine and then select the **model**.



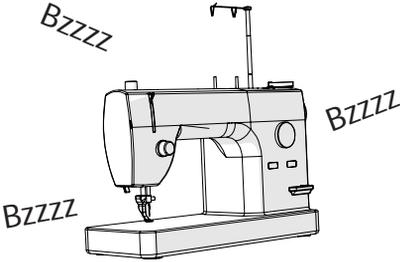
- 3 Press the **Home icon** at the top to close out of the menu.



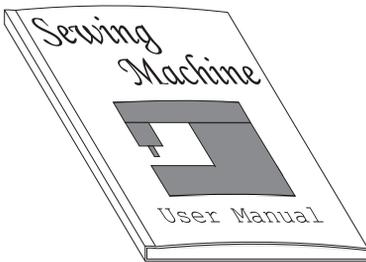
Assembly - SureStitch Elite

G-Series Carriage & G-Series Top Plate (Continued)

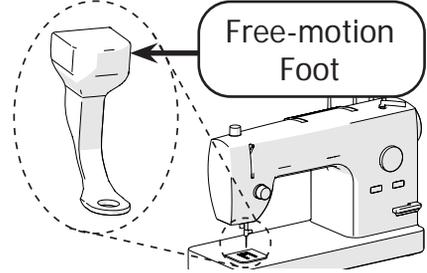
- 4 Turn on your sewing machine. You may hear the motors in your machine engage briefly.



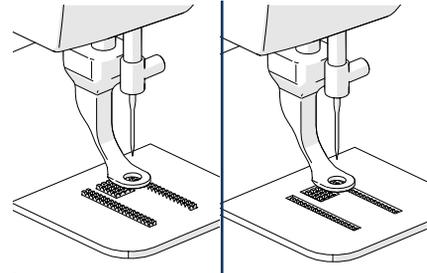
- 5 Check your **sewing machine's user manual** to set your machine to quilting mode. This is not available on all machines, but if it is available it should be used.



- 6 Swap out the presser foot on your machine for a **free-motion** or **embroidery foot**.

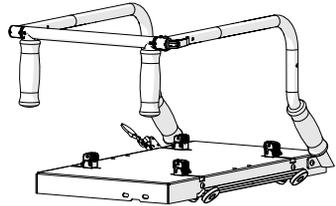
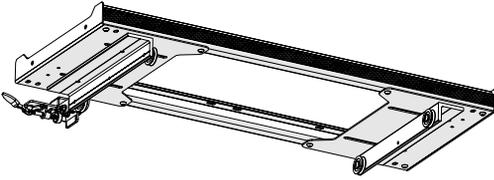


- 7 Lower the feed dogs on your sewing machine so they don't catch on the back of the quilt.



- 8 You're almost ready to get started! Go to page 77 for your final steps.

G-Series Carriage & G-Series 2 Top Plate

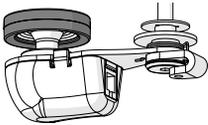


Step One - Installing the Lower Encoder

The lower encoder tracks the movement of the bottom carriage across the frame. This helps SureStitch calculate the length of each stitch as you quilt.

Parts & Tools:

Lower Encoder V5
(green sticker)



Allen Wrench
2.5 mm

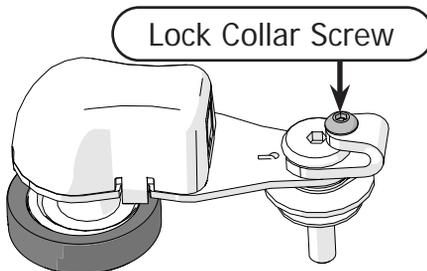


Allen Wrench
4 mm



Instructions:

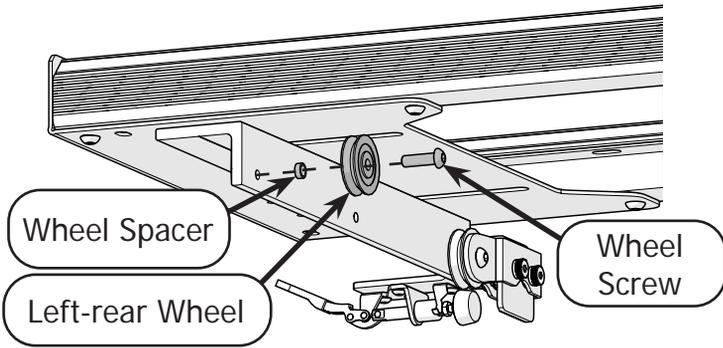
- 1 Use the 2.5 mm Allen wrench to loosen the **encoder lock collar screw** without removing it.



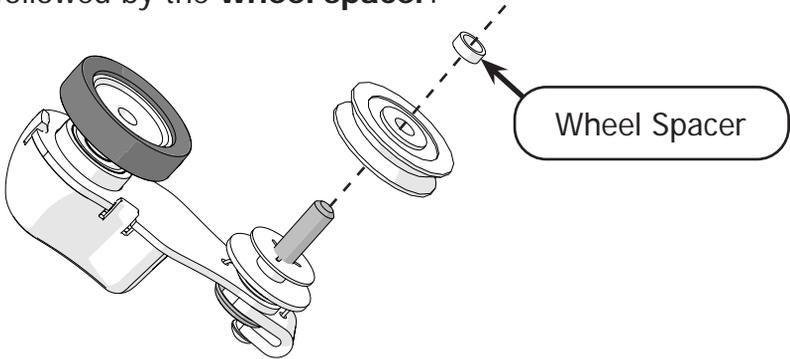
Assembly - SureStitch Elite

G-Series Carriage & G-Series 2 Top Plate (Continued)

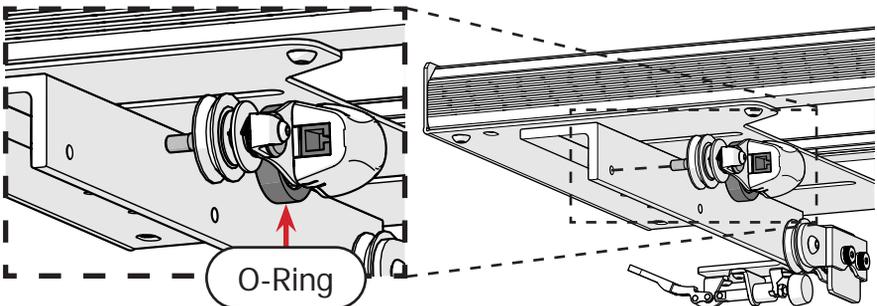
- 2 With the 4 mm Allen wrench, remove the **left-rear wheel**, **spacer**, and **screw** from the carriage.



- 3 Place the bottom carriage wheel onto the encoder screw, followed by the **wheel spacer**.

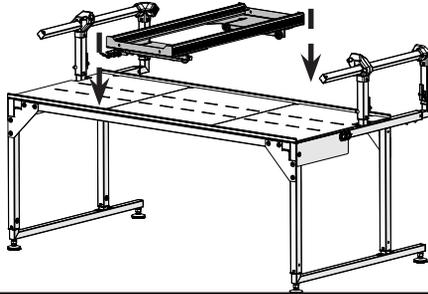


- 4 Screw the encoder and wheel into the carriage with the 4 mm Allen wrench so that the encoder **O-ring** lays between the two rear wheels.



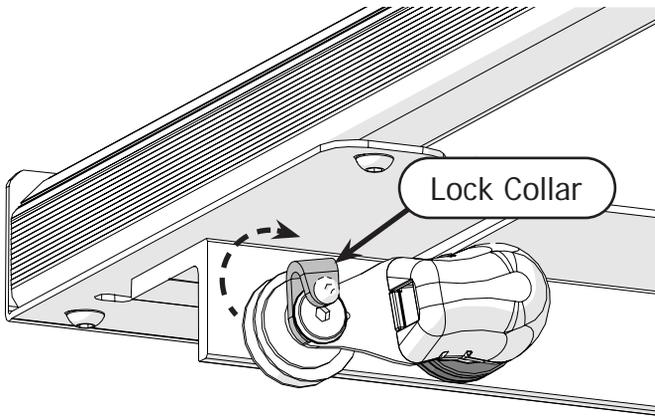
G-Series Carriage & G-Series 2 Top Plate (Continued)

- 5 If the bottom carriage is not already on the frame, place it now.



Note: Frame may differ from type shown.

- 6 Turn the encoder **lock collar** upwards, and tighten the lock collar screw with the 2.5 mm Allen wrench.



Step Two - Installing the Upper Encoder

The upper encoder tracks the movement of the top plate across the bottom carriage.

Parts & Tools:

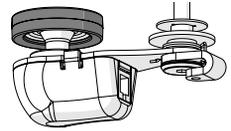
Allen Wrench
2.5 mm



Allen Wrench
4 mm

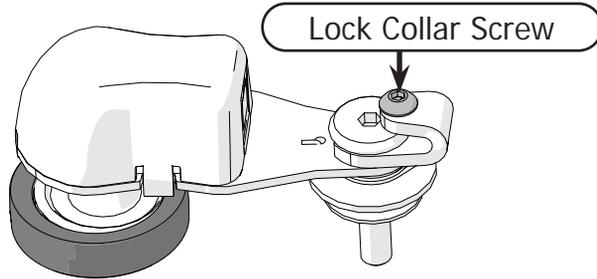


Upper Encoder V5
(purple sticker)

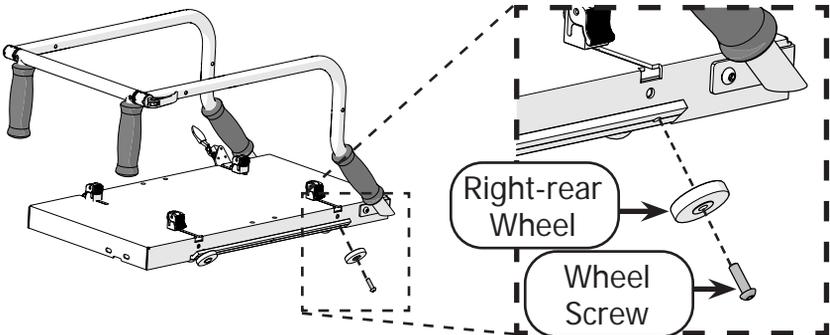


Instructions:

- 1 Use the 2.5 mm Allen wrench to carefully loosen the **encoder lock collar screw**. Do not remove this screw.

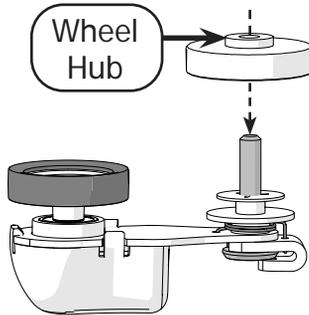


- 2 Remove the **right-rear wheel** and **screw** from the top plate with the 4 mm Allen wrench.

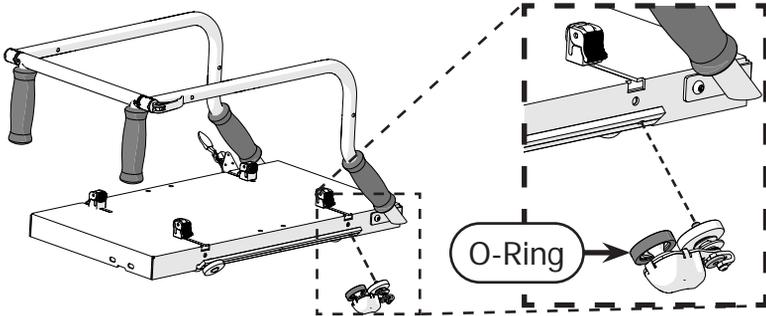


G-Series Carriage & G-Series 2 Top Plate (Continued)

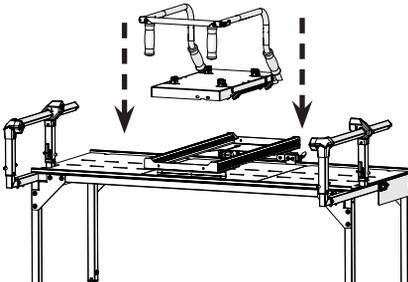
- 3 Place the bottom carriage wheel onto the encoder screw so the **wheel hub** faces away from the encoder.



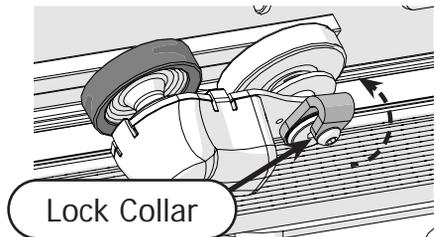
- 4 Install the wheel and encoder onto the top plate. The encoder **O-Ring** should lay between the front and rear wheels.



- 5 Install the top plate onto the **bottom carriage**, if it is not already there.



- 6 Turn the encoder **lock collar** upwards, and tighten the lock collar screw with the 2.5 mm Allen wrench.



Assembly - SureStitch Elite

G-Series Carriage & G-Series 2 Top Plate (Continued)

Step Three - Install the Display & Control Box

The display interfaces with the control box so you are able to select your stitch length or motor speed.

Parts & Tools

SureStitch Elite
Control Box



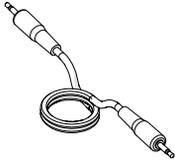
SureStitch Elite
Screen



Screen
Cable



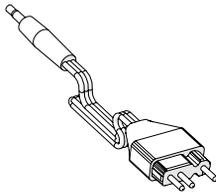
Thread Cutter
Cable



Allen Wrench
2.5 mm

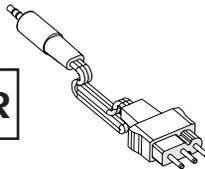


Foot Pedal "A"
Cable



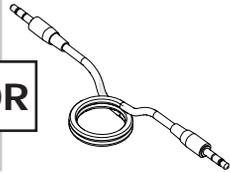
OR

Foot Pedal "B"
Cable

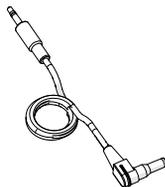


OR

Foot Pedal "C"
Cable

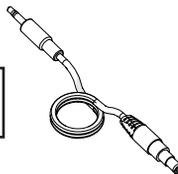


Foot Pedal "D"
Cable



OR

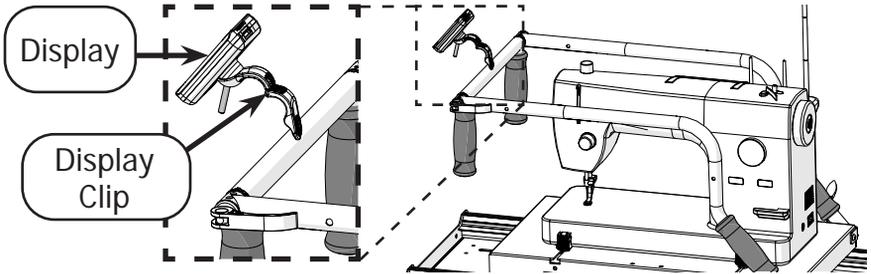
Foot Pedal "E"
Cable



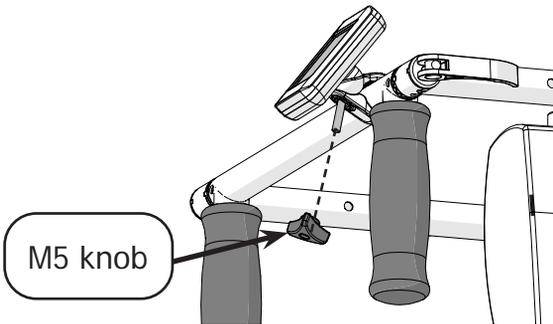
G-Series Carriage & G-Series 2 Top Plate (Continued)

Instructions:

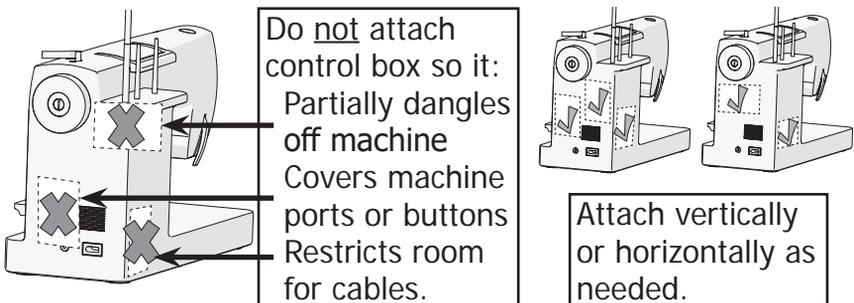
- 1 Open the **display clip** and place the **display** onto the front of the top plate handles.



- 2 Close the clip around the handlebar. Tighten it in place by screwing on the **M5 knob**.



- 3 Test out where to attach the control box to your machine. Ensure there is enough space around each port for cables to be plugged in.



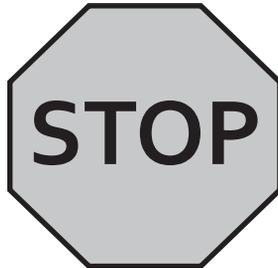
Assembly - SureStitch Elite

G-Series Carriage & G-Series 2 Top Plate (Continued)

- 4 When you know where to attach the **control box**, remove the **sticker** covering the adhesive side of the velcro. Firmly press the control box onto the machine.

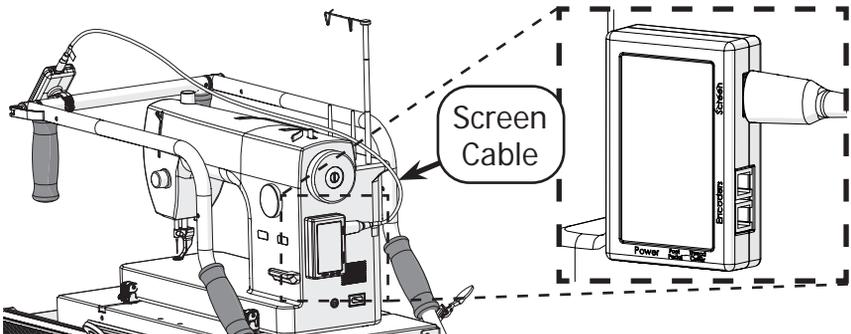


- 5 Unplug your sewing machine and make sure it is powered off.



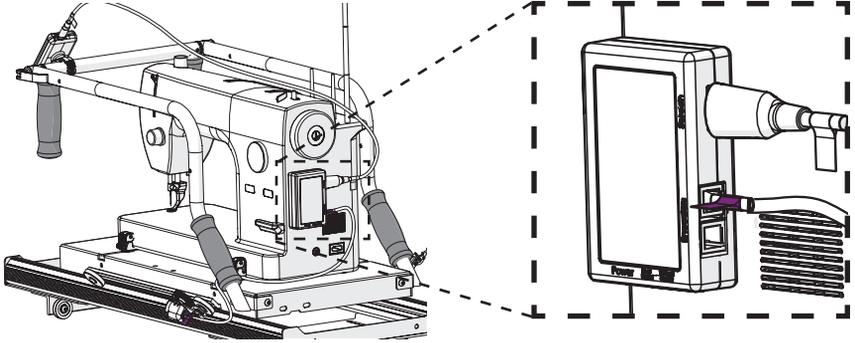
The following steps may damage your sewing machine if it is plugged in.

- 5 Plug the **screen cable** into the display and control box.

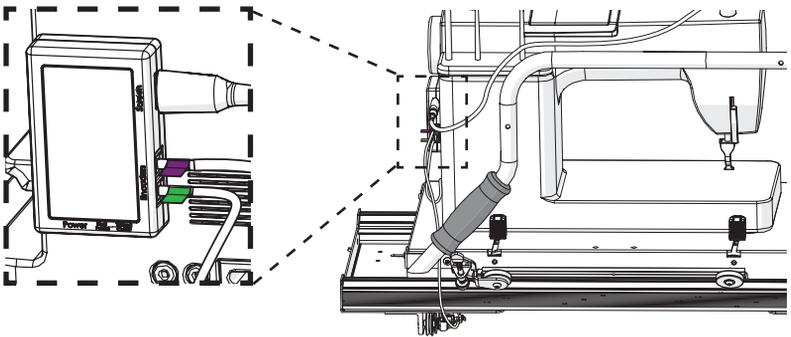


G-Series Carriage & G-Series 2 Top Plate (Continued)

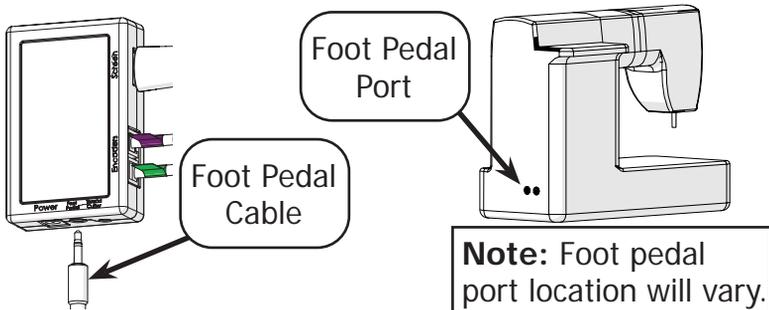
- 6 Plug the encoder with the purple sticker into the purple encoder port.



- 7 Plug the encoder with the green sticker into the green encoder port.



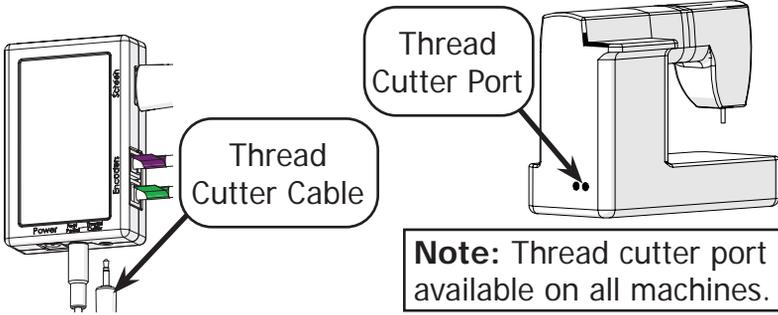
- 9 Plug SureStitch into your **sewing machine's foot pedal port** using the **foot pedal cable** that matches your machine.



Assembly - SureStitch Elite

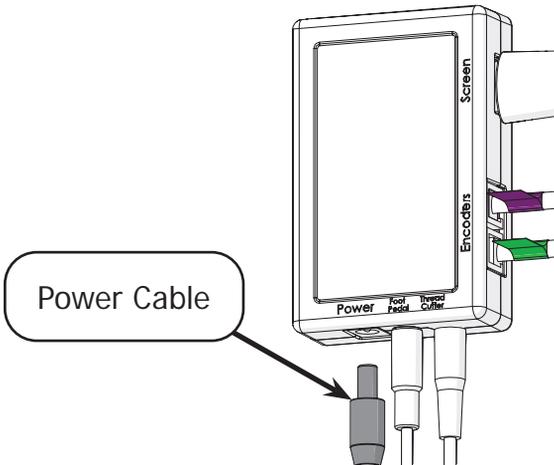
G-Series Carriage & G-Series 2 Top Plate (Continued)

- 10 If your sewing machine has a port for its **thread cutter**, plug SureStitch into this as well with the **thread cutter cable**.



- 11 Plug SureStitch into a power outlet with the **power cable**. SureStitch will turn on automatically.

Do not power on your sewing machine at this time.

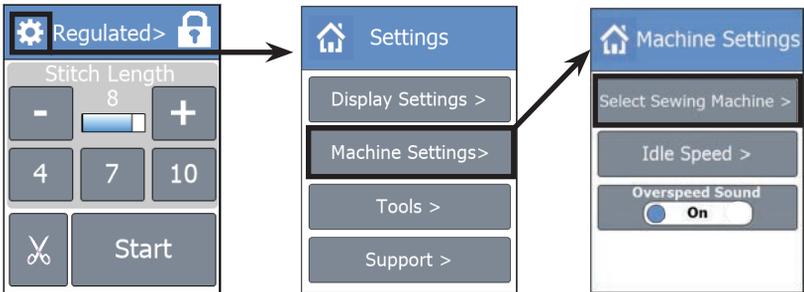


Step Four - Calibrating SureStitch for Your Machine

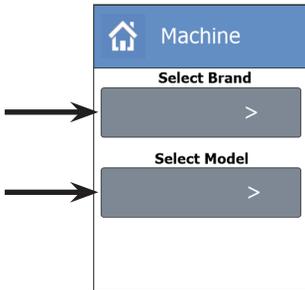
Take the steps below to set up SureStitch to work with your brand and model of sewing machine. Damage to sewing machine may occur if your machine is powered on and connected to SureStitch before SureStitch has been set up to work with your machine.

Warning: Power off your sewing machine before taking these steps.

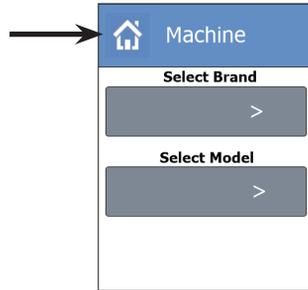
- 1 Press the **Settings** icon and choose **Machine Settings**. The **Machine Settings** menu will open. Press **Select Sewing Machine**.



- 2 Choose the **brand** of your machine and then select the **model**.



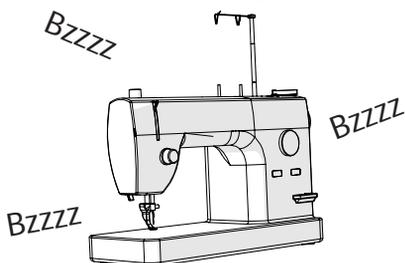
- 3 Press the **Home icon** at the top to close out of the menu.



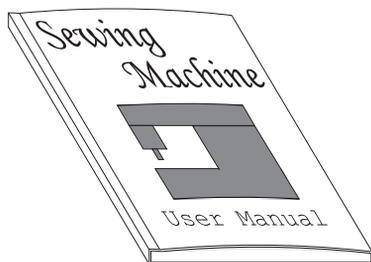
Assembly - SureStitch Elite

G-Series Carriage & G-Series 2 Top Plate (Continued)

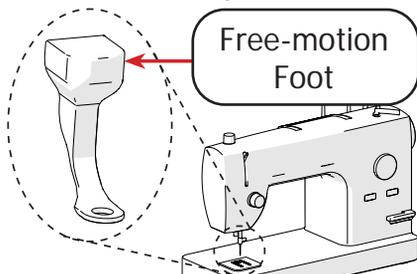
- 4 Turn on your sewing machine. You may hear the motors in your machine engage briefly.



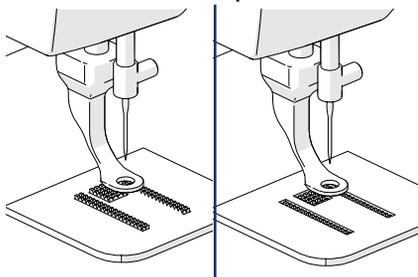
- 5 Check your **sewing machine's user manual** to set your machine to quilting mode. This is not available on all machines, but if it is available it should be used.



- 6 Swap out the presser foot on your machine for a **free-motion** or **embroidery foot**.

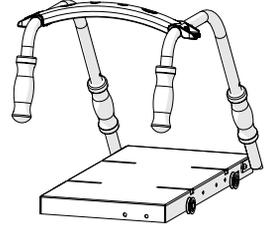
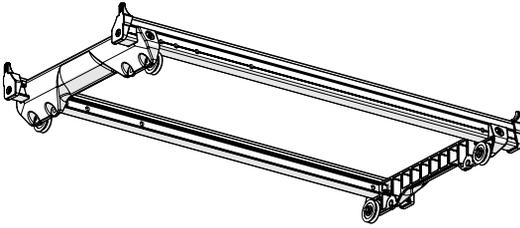


- 7 Lower the feed dogs on your sewing machine so they don't catch on the back of the quilt.



- 8 You're almost ready to get started! Go to page 77 for your final steps.

Pro Carriage & Pro Top Plate

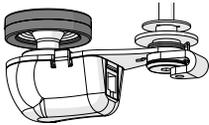


Step One - Installing the Lower Encoder

The lower encoder tracks the movement of the bottom carriage across the frame. This helps SureStitch calculate the length of each stitch as you quilt.

Parts & Tools:

Lower Encoder V5
(green sticker)



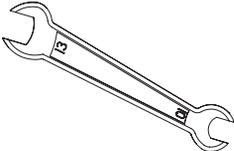
Allen Wrench
2.5 mm



Allen Wrench
4 mm

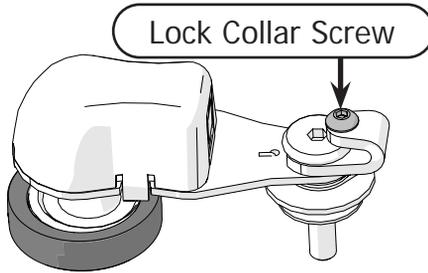


Box-End Wrench
10 mm & 13 mm

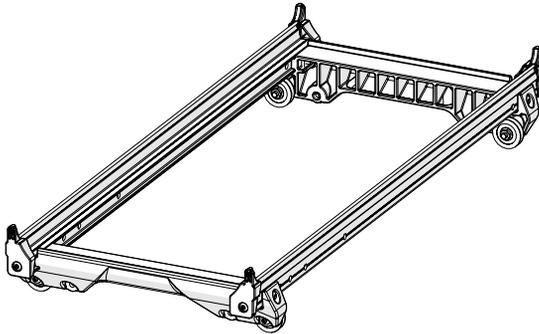


Instructions:

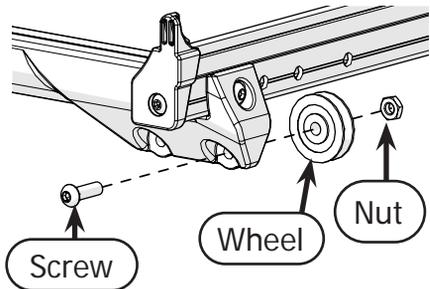
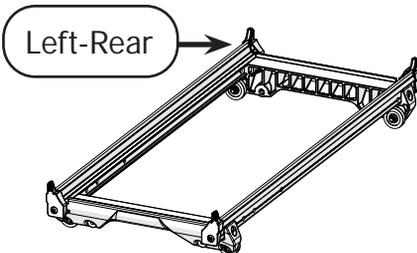
- 1 Use the 2.5 mm Allen wrench to loosen the **encoder lock collar screw** without removing it.



- 2 Choose a side of the bottom carriage to be the front and a side to be the back.

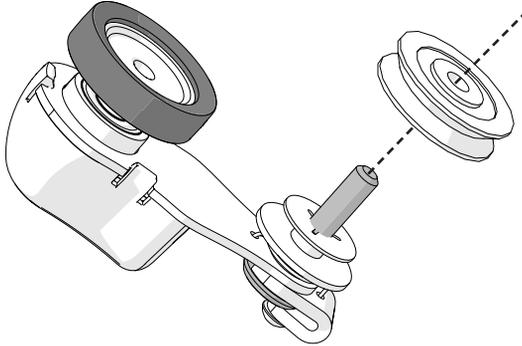


- 3 With the 4 mm Allen wrench and 10 mm open-end wrench, remove the **left-rear wheel, screw, and nut** from the bottom carriage.

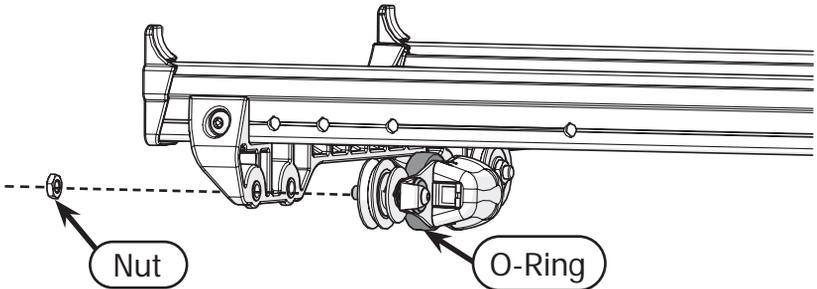


Pro Carriage & Pro Top Plate (Continued)

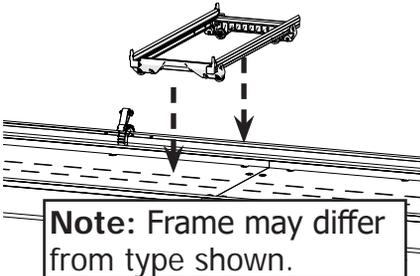
- 3 Place the bottom carriage wheel onto the encoder screw.



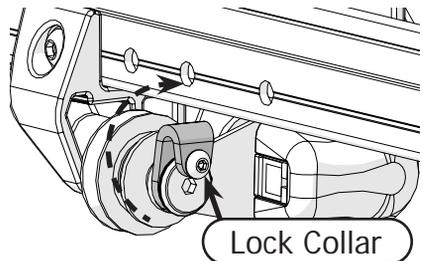
- 4 Screw the encoder into the carriage with the 4 mm Allen wrench, **nut**, and 10 mm wrench. The encoder **O-ring** should lay between the two rear wheels.



- 5 If the bottom carriage is not already on the frame, place it there now.



- 6 Turn the lock collar upward and tighten the lock collar screw with the 2.5 mm Allen wrench.



Assembly - SureStitch Elite

Pro Carriage & Pro Top Plate (Continued)

Step Two - Installing the Upper Encoder

The upper encoder tracks the movement of the top plate across the bottom carriage.

Parts & Tools:

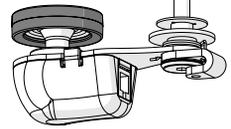
Allen Wrench
2.5 mm



Allen Wrench
4 mm

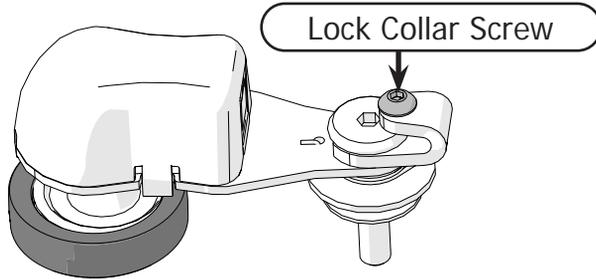


Upper Encoder V5
(purple sticker)

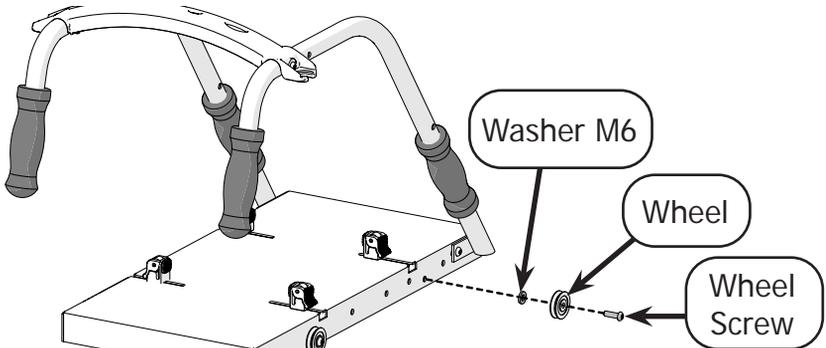


Instructions:

- 1 Use the 2.5 mm Allen wrench to carefully loosen the **encoder lock collar screw**. Do not remove this screw.

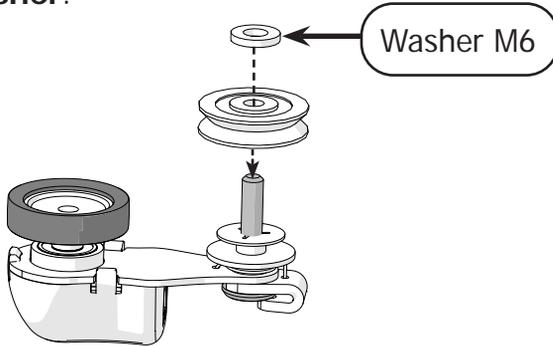


- 2 Remove the **right-rear wheel, M6 washer, and screw** from the top plate with the 4 mm Allen wrench.

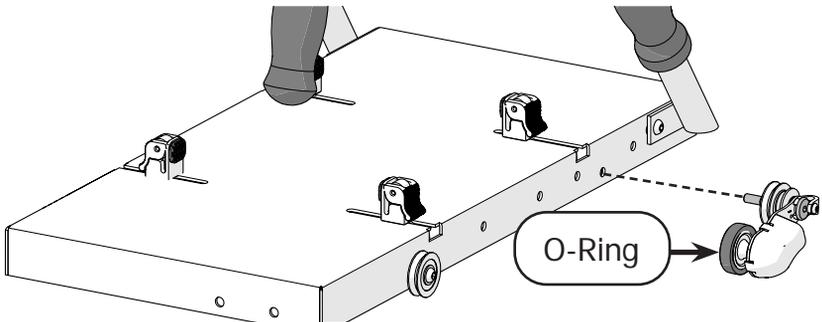


Pro Carriage & Pro Top Plate (Continued)

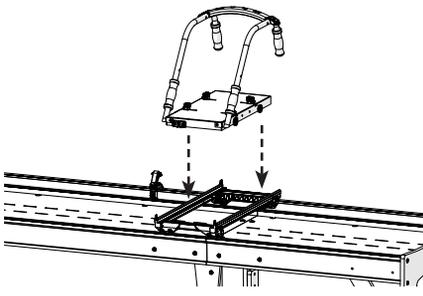
- 3 Place the top plate wheel onto the encoder, followed by the **M6 washer**.



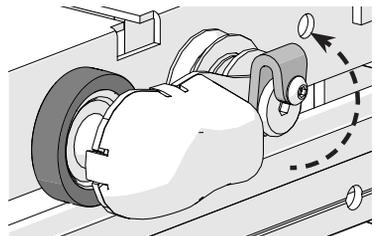
- 4 Install the wheel and encoder onto the top plate. The encoder **O-Ring** should lay between the front and rear wheels.



- 5 Install the top plate onto the **bottom carriage**, if it is not already done.



- 6 Turn the encoder lock collar upwards, and tighten the lock collar screw with the 2.5 mm Allen wrench.



Assembly - SureStitch Elite

Pro Carriage & Pro Top Plate (Continued)

Step Three - Install the Display & Control Box

The display interfaces with the control box so you are able to select your stitch length or motor speed.

Parts & Tools

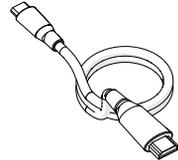
SureStitch Elite
Control Box



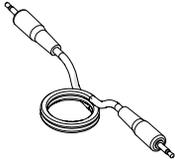
SureStitch Elite
Screen



Screen
Cable



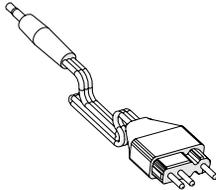
Thread Cutter
Cable



Allen Wrench
2.5 mm

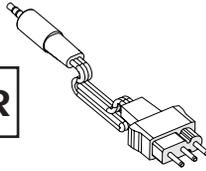


Foot Pedal "A"
Cable



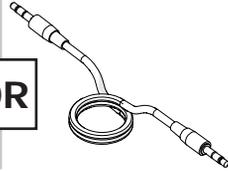
OR

Foot Pedal "B"
Cable

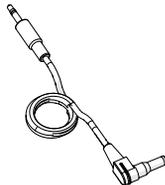


OR

Foot Pedal "C"
Cable

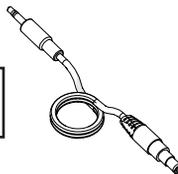


Foot Pedal "D"
Cable



OR

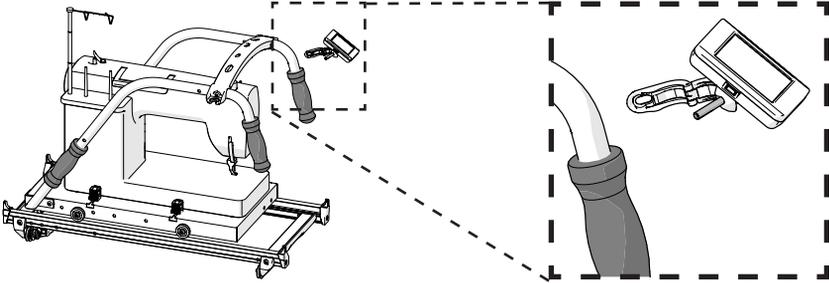
Foot Pedal "E"
Cable



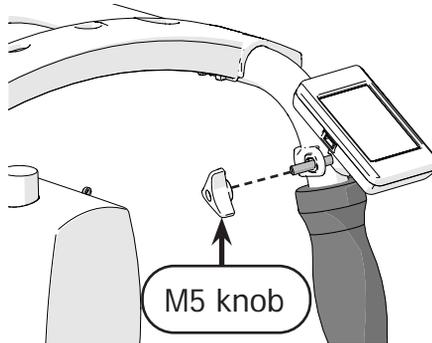
Pro Carriage & Pro Top Plate (Continued)

Instructions:

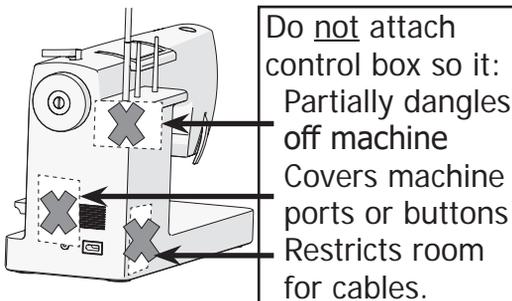
- 1 Open the **display clip** and place the **display** onto the front of the top plate handles.



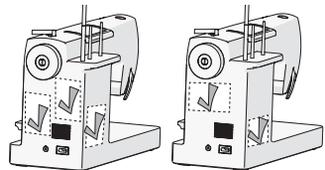
- 2 Close the clip around the handlebar. Tighten it in place by screwing on the **M5 knob**.



- 3 Test out where to attach the control box to your machine. Ensure there is enough space around each port for cables to be plugged in.



Do not attach control box so it:
Partially dangles off machine
Covers machine ports or buttons
Restricts room for cables.

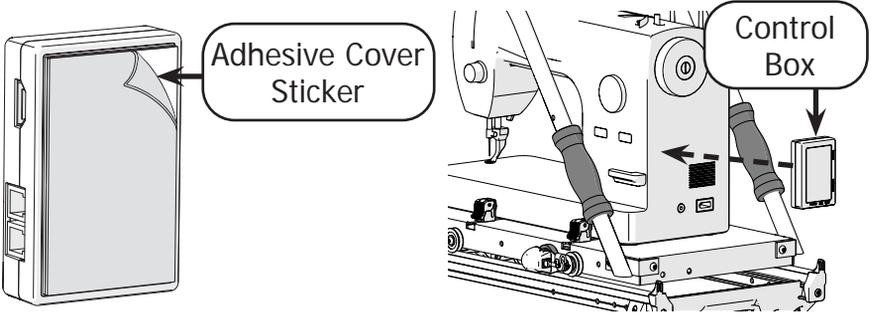


Attach vertically or horizontally as needed.

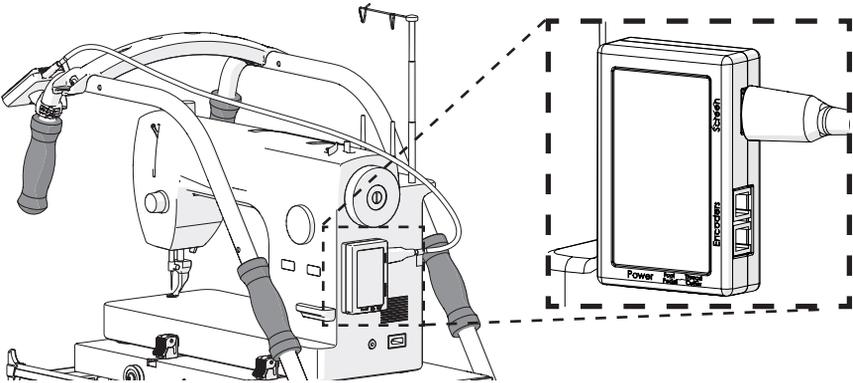
Assembly - SureStitch Elite

Pro Carriage & Pro Top Plate (Continued)

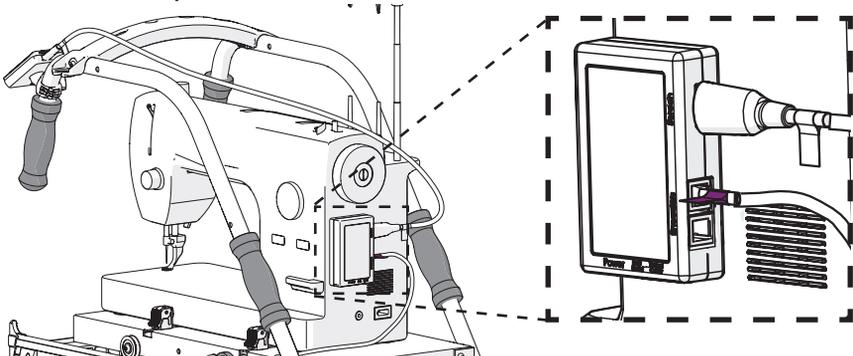
- 4 When you know where to attach the **control box**, remove the **sticker** covering the adhesive side of the velcro. Firmly press the control box onto the machine.



- 5 Plug the screen cable into the display and control box.

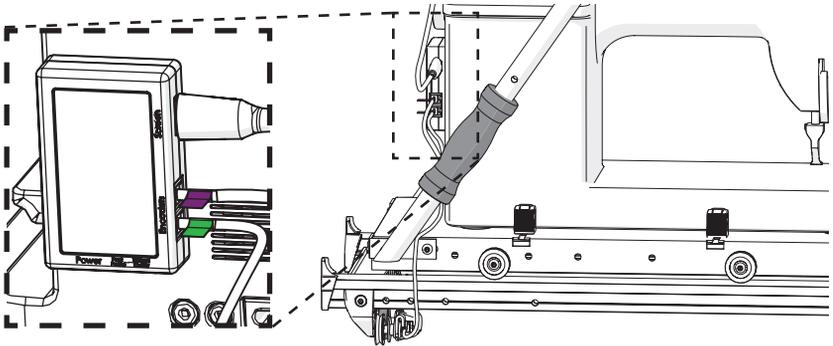


- 6 Plug the encoder with the purple sticker into the purple encoder port.

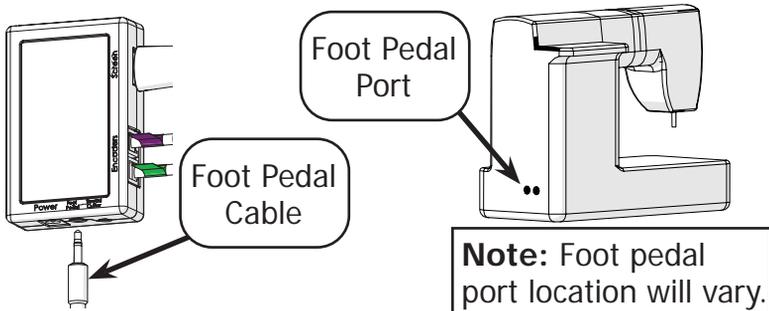


Pro Carriage & Pro Top Plate (Continued)

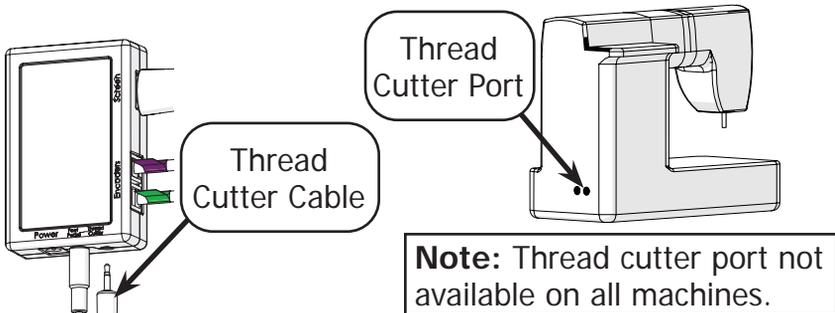
- 7 Plug the encoder with the green sticker into the green encoder port.



- 9 Plug SureStitch into your **sewing machine's foot pedal port** using the **foot pedal cable** that matches your machine.



- 10 If your sewing machine has a port for its **thread cutter**, plug SureStitch into this as well with the **thread cutter cable**.

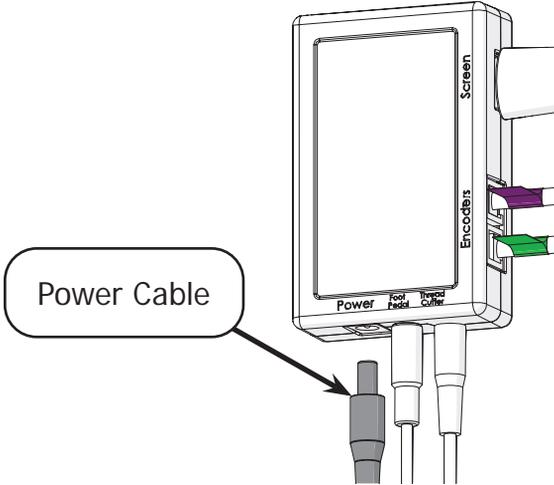


Assembly - SureStitch Elite

Pro Carriage & Pro Top Plate (Continued)

- 11 Plug SureStitch into a power outlet with the **power cable**. SureStitch will turn on automatically.

Do not power on your sewing machine at this time.

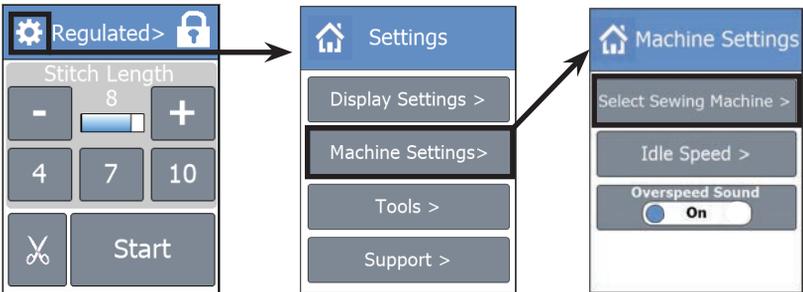


Step Four - Calibrating SureStitch for Your Machine

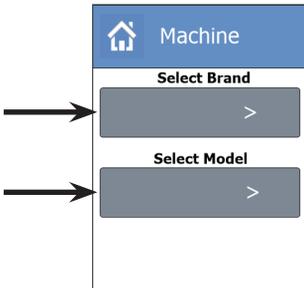
Take the steps below to set up SureStitch to work with your brand and model of sewing machine. Damage to sewing machine may occur if your machine is powered on and connected to SureStitch before SureStitch has been set up to work with your machine.

Warning: Power off your sewing machine before taking these steps.

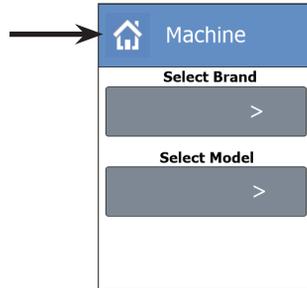
- 1 Press the **Settings** icon and choose **Machine Settings**. The **Machine Settings** menu will open. Press **Select Sewing Machine**.



- 2 Choose the **brand** of your machine and then select the **model**.



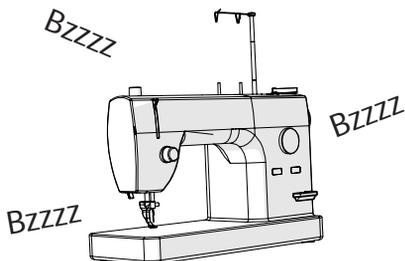
- 3 Press the **Home icon** at the top to close out of the menu.



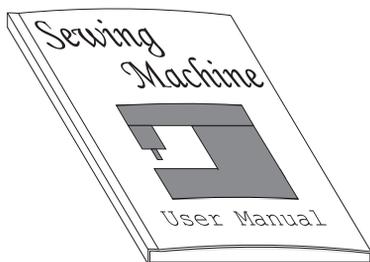
Assembly - SureStitch Elite

Pro Carriage & Pro Top Plate (Continued)

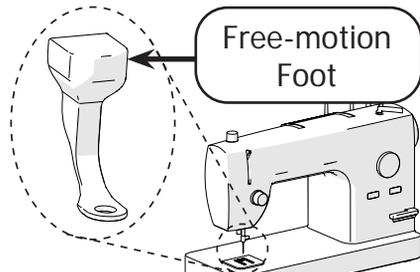
- 4 Turn on your sewing machine. You may hear the motors in your machine engage briefly.



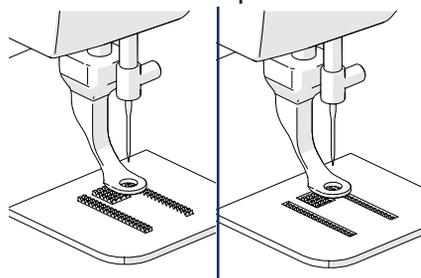
- 5 Check your **sewing machine's user manual** to set your machine to quilting mode. This is not available on all machines, but if it is available it should be used.



- 6 Swap out the presser foot on your machine for a **free-motion** or **embroidery foot**.



- 7 Lower the feed dogs on your sewing machine so they don't catch on the back of the quilt.



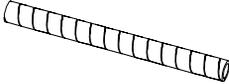
- 8 You're almost ready to get started! Go to page 77 for your final steps.

Managing the Cables

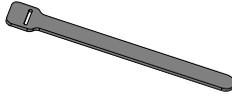
Cables can get caught on the carriages or frame, causing mistakes and interruptions. Try these tips to help.

Parts & Tools

Quilt Motion Cable
Wrap



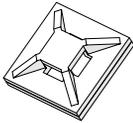
Velcro
Straps



Zip Tie
(x4)

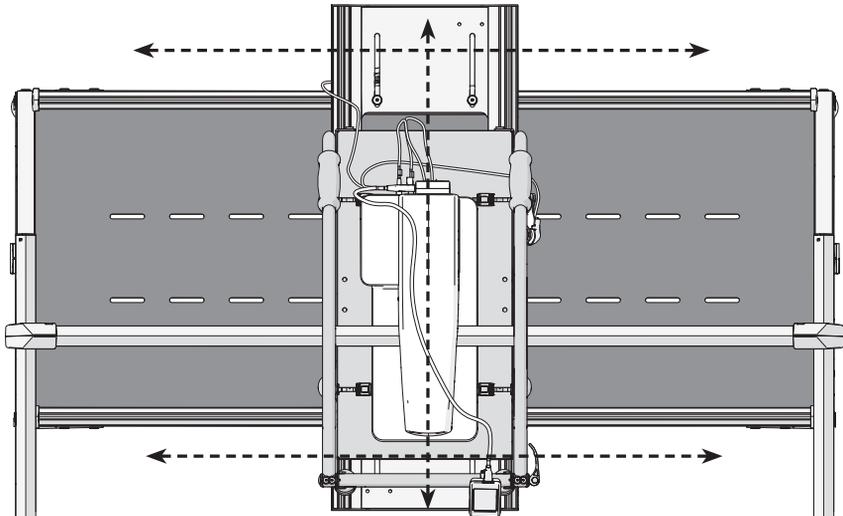


Zip Tie
Mount (x2)



Instructions:

- 1 Sweep your top plate across the frame in every direction. Watch the cables for any catching or tugging.



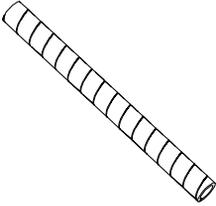
Note: Frame, machine, and top plate appearance may vary.

Assembly - SureStitch Elite

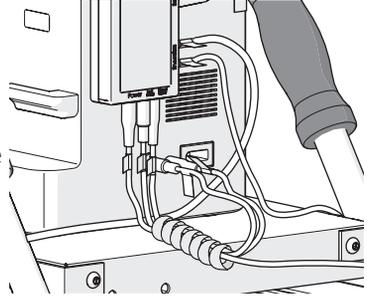
Managing the Cables (Continued)

- 2 Your kit comes with the following parts to assist with cable management:

Quilt Motion Cable Wrap



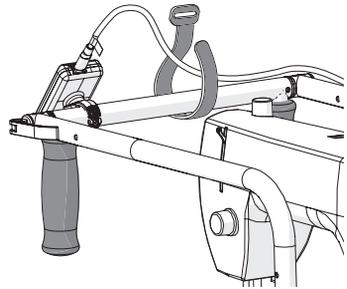
Wrap multiple cables together so you only have a single strand of cables to deal with.



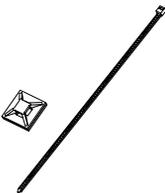
Velcro Straps



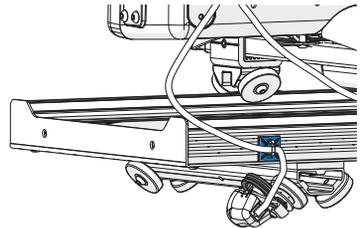
Keep bundles of cables from unraveling, or to attach cables to handles or bars.



Zip Tie Mounts



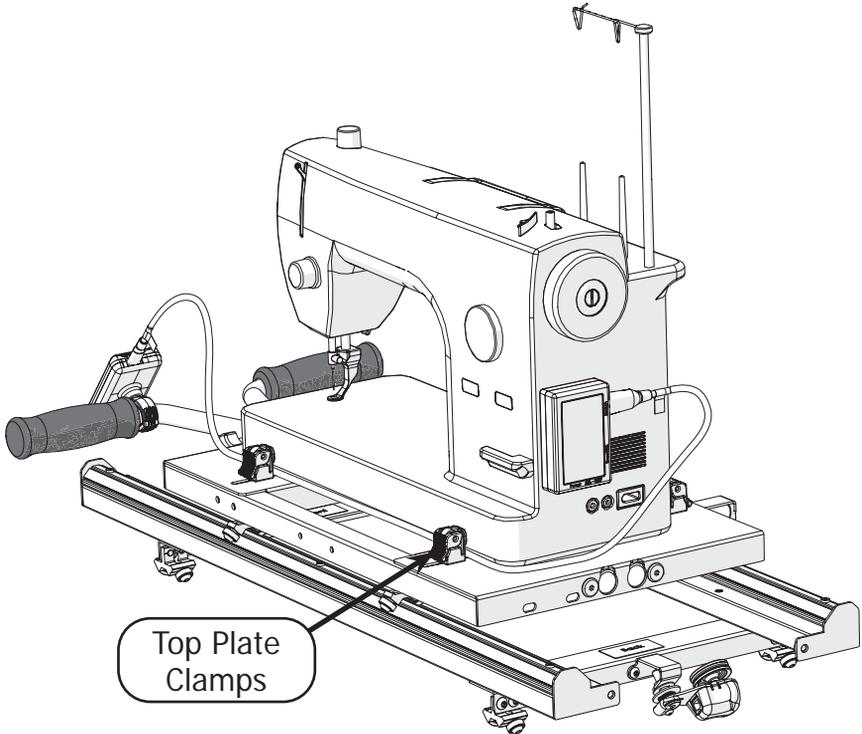
Press the adhesive zip tie mount to a flat surface and use the zip tie to anchor cables in place.



Tip: Use a piece of masking tape to test where to place your zip tie mounts. Use the tape to hold the cables in place, and then check the movement of the top plate again.

Managing the Cables (Continued)

Tip: Cables can also be tucked between the machine and the **clamps** on the top plate.



- 3 When finished, test the movement of your top plate again. Make sure that the cables do not catch on anything, and that they do not restrict the movement available for your machine.

The Grace Company
Phone: 1-800-264-0644
www.graceframe.com

