

Cutie

Tabletop Fabric Frame

Assembly & Use

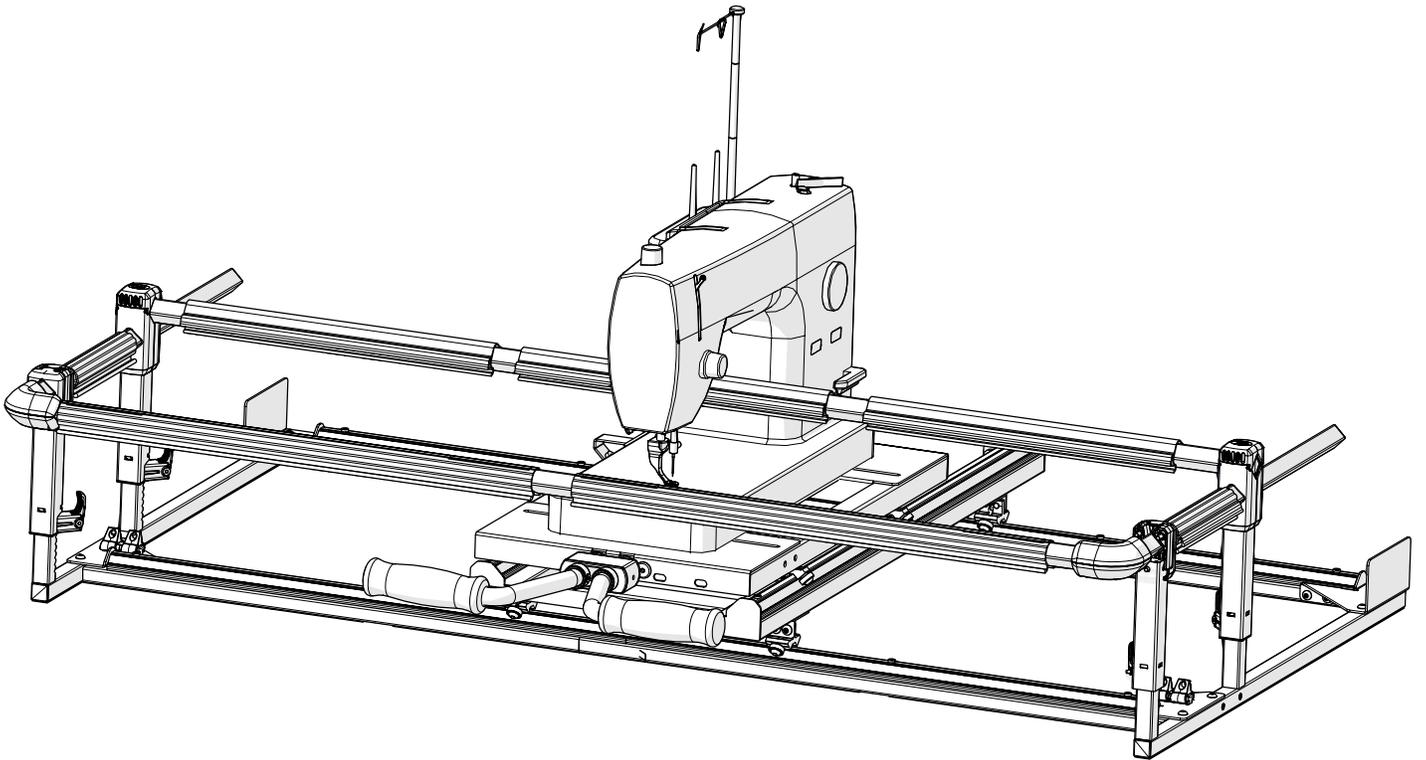


Table of Contents

My Frame Details.....	3
Included Parts & Tools	4
Welcome to Your Cutie Table-Top Frame.....	7
Part One	9
Task 1 - Assembling the Tracks.....	10
Task 2 - Installing the Sides	12
Task 3 - Aligning the Tracks.....	14
Task 4 - Installing the Top Plate Clamps and Encoder Bracket	17
Part Two	19
Task 5 - Installing the Top Plate or Quilting Machine	20
Task 6 - Installing your Sewing Machine.....	22
Task 7 - Prepare Your Machine for Quilting	24
Part Three	25
Task 8 - Installing the Rails	26
Task 9 - Adjusting the Rails	33
Task 10 - Adjusting the Carriage Stop Bracket	35
Task 11 - Adjusting the Top Plate Handles	36
Task 12 - Extending Your Foot Pedal Cable	38
Part Four	41
Task 13 - Preparing your Quilt	42
Task 14 - Attaching your Quilt	44
Task 15 - Marking the "Safe Area"	47
Task 16 - Getting Started	49
Task 17 - Moving the Fabric.....	53
Accessories - Encoder Installation.....	55

My Frame Details

Use this page to write down some information about your frame. This will be helpful if you ever need to call a Grace Company support technician.

Frame Type: Cutie Frame

Date of Purchase: _____

What Machine are You Using? _____

Select Which Frame Accessories You Have Purchased:

Table and Legs

Speed Control

QuiltMotion

Gracie Laser

Pattern Perfect

Sure Stitch

G-Series Top Plate

Sure Stitch Elite

Power Strip Accessory

Start-Right Cloth Leaders

Cutie Frame

Included Parts & Tools

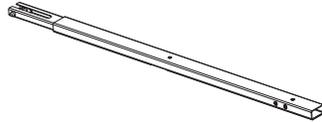
Please make sure all pieces are included in your kit.

Long Cross Support (x2)



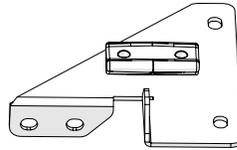
QTT-09-14845
(See page 10)

Short Cross Support (x2)



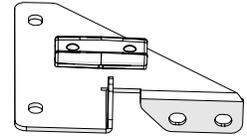
QTT-09-14844
(See page 10)

Corner Brace Front Right



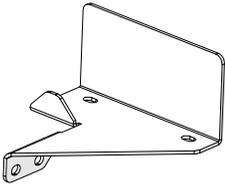
QT-09-14840
(See page 12)

Corner Brace Front Left



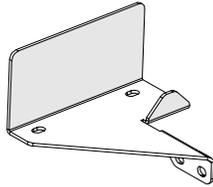
QTT-09-14842
(See page 12)

Back Right Brace



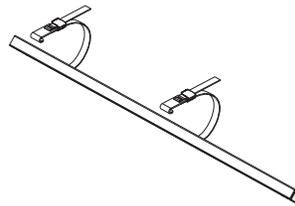
QTT-04-14821
(See page 12)

Back Left Brace



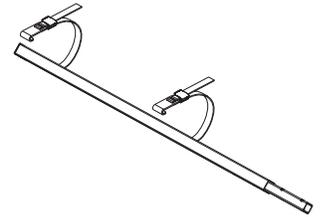
QTT-04-14822
(See page 12)

Long Take-up Rail



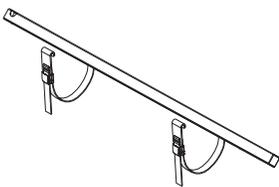
QTT-09-14839
(See page 26)

Short Take-up Rail



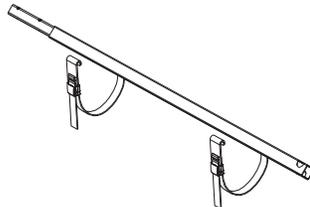
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(See page 26)

Long Front Rail



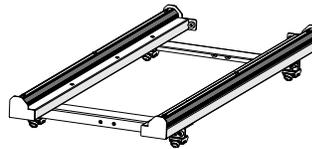
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(See page 26)

Short Front Rail



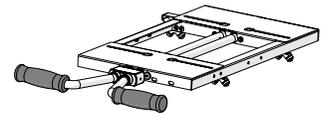
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(See page 26)

Table-Top Bottom Carriage



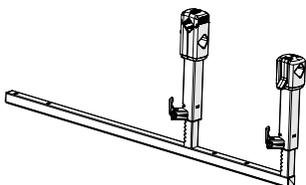
QTT-09-14850
(See page 14)

Table-Top Top Plate



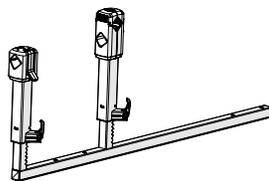
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(See page 17)

Side Assembly Right



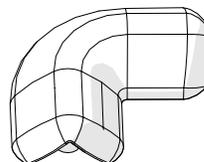
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(See page 12)

Side Assembly Left



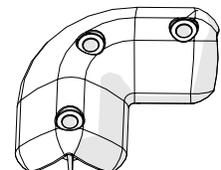
QTT-09-14830
(See page 12)

Rail Corner Top (x2)



QTT-04-14708
(See page 26)

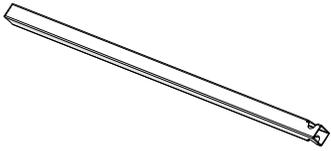
Rail Corner Bottom (x2)



QTT-04-14709
(See page 26)

Included Parts & Tools (Continued)

Hoop Side Rail (X2)



QTT-09-15032
(See page 26)

Fabric Clamp (x3)



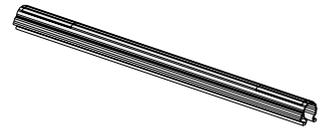
QTT-05-14723
(See page 44)

Side Fabric Clamp (x2)



QTT-05-14724
(See page 44)

Front Fabric Clamp with Clip (x2)



QTT-05-14730
(See page 44)

Plastic Track Support (x4)



QTT-05-14725
(See page 10)

Plastic Flat Track (x4)



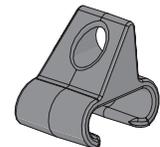
QTT-05-14728
(See page 10)

Sewing Machine Clamps (x4)



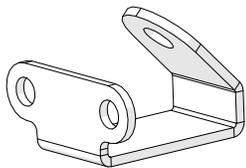
ACC-01-10324
(See page 17)

Bungee Slide (x4)



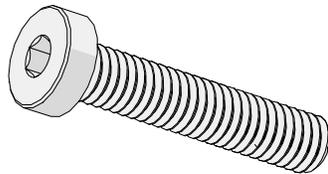
QTT-04-14720
(See page 12)

Encoder Bracket (x2)



QTT-04-14695
(See page 14 ,page 17)

ULPSHS M4 x 20 mm (x12)



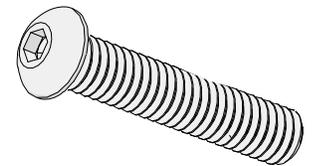
HDW-03-14739

SBHCS M5 x 8 mm (x22)



HDW-03-14253

SBHCS M4 X 25 mm (x6)



HDW-03-12240

Allen Wrench 3 mm



HDW-03-10166

Allen Wrench 2.5 mm



HDW-03-10165

Allen Wrench 2 mm



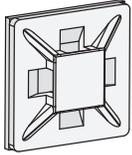
HDW-03-11030

Zip Tie (x4)



MIS-08-10804
(See page 38)

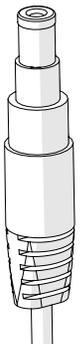
Zip Tie Mount



MIS-08-10805
(See page 38)

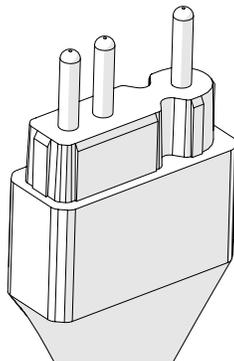
Foot Pedal Extension Cables

Custom Barrel Extension Cable



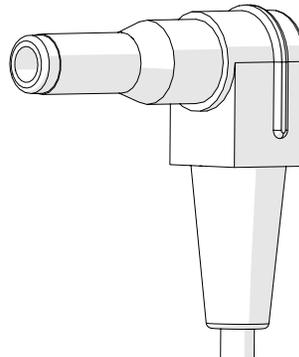
QTT-02-15049
(See page 38)

HD9 Foot Pedal Extension Cable



QTT-02-15051
(See page 38)

Angled Barrel Jack Extension Cable



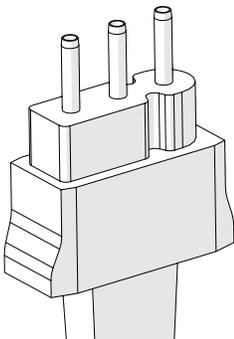
QTT-02-15050
(See page 38)

TRS Extension Cable



QTT-02-15048
(See page 38)

3 Prong Extension Cable



QTT-02-15052
(See page 38)

Welcome to Your Cutie Table-Top Frame

We are pleased to introduce you to the newest part of your quilting setup. This frame has been especially designed to help quilters like you have the tools available to create quality projects.

This manual is broken into four sections (or parts). Notifications at the end of each section will direct you to switch to your machine manual or QuiltMotion manual for instructions on assembling those products. This creates a streamlined process of building a complete quilting setup in the most efficient way. Use the following flowchart to guide you in navigating multiple manuals. If you are not using one of the products in the flowchart, just move to the next item in the chart.

Thank you again for choosing us to help with your quilting projects. We look forward to working with you.

- The Grace Company

Start Here: Frame Manual: Part One

- Assemble the frame's tracks and sides.
- Install the channel lock onto the bottom carriage.
- Align your tracks.

Quilting Machine Manual: Part One

- Install the lower encoder onto the bottom carriage.

QuiltMotion Manual: Part One

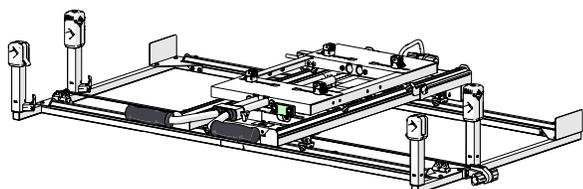
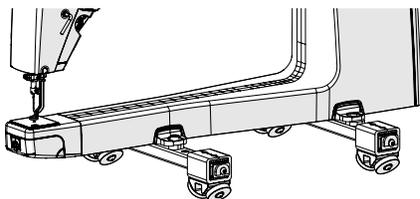
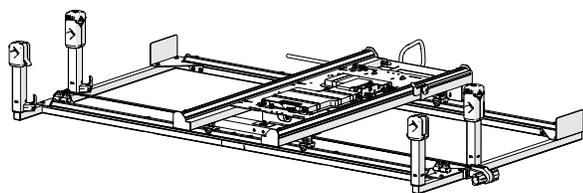
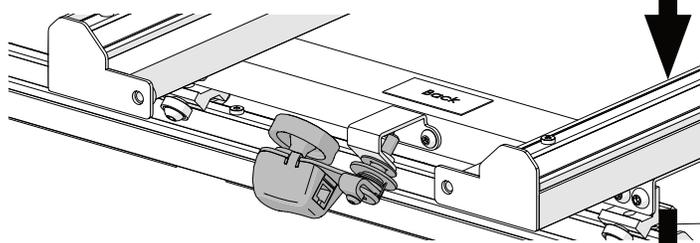
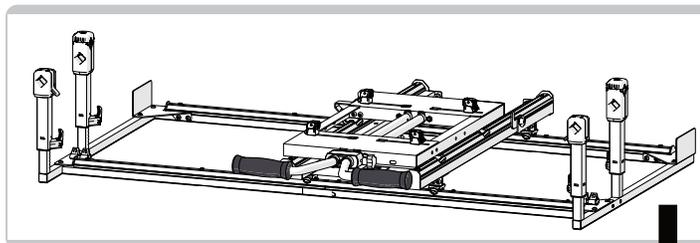
- Prepare the bottom carriage.
- Install the long belt across the frame.

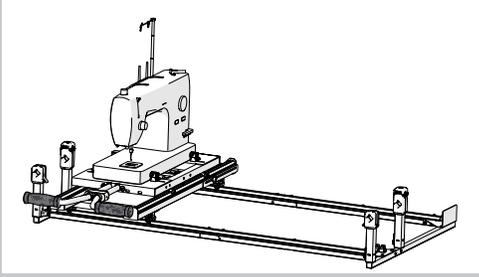
Quilting Machine Manual: Part Two

- Install your machine's wheels.
- Align your wheels.

QuiltMotion Manual: Part Two

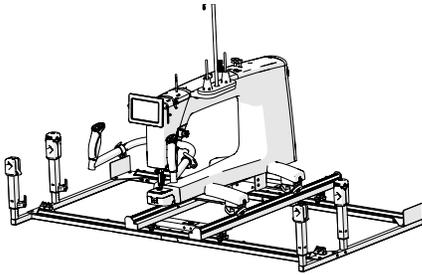
- Install the short belt onto the machine or top plate.
- Tension the short belt.





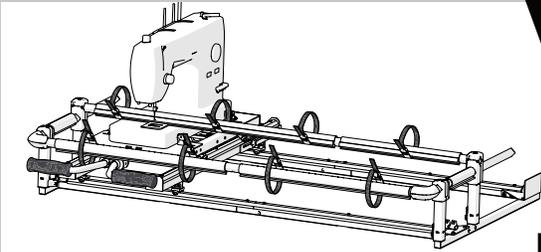
Frame Manual: Part Two

- Place the machine or top plate on the frame.
- Prepare the top plate and home sewing machine.



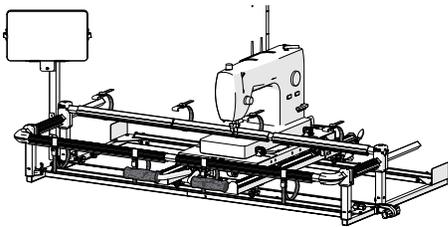
Quilting Machine Manual: Part Three

- Install the wheel covers, display, handles, thread mast.
- Install the upper encoder.



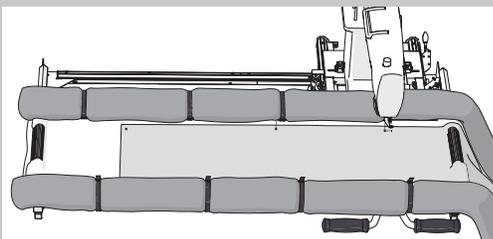
Frame Manual: Part Three

- Install the rails.
- Position and adjust the rails.
- Adjust the carriage stop.



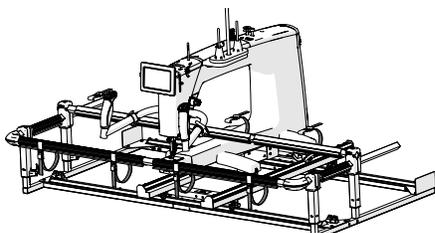
QuiltMotion Manual: Part Three

- Install the tablet bracket.
- Plug in QuiltMotion.



Frame Manual: Part Four

- Attach the fabric



Quilting Machine Manual: Part Four

- Use the quilting modes and settings in the display.
- Maintain the machine and perform repairs.

Part One

Instructions

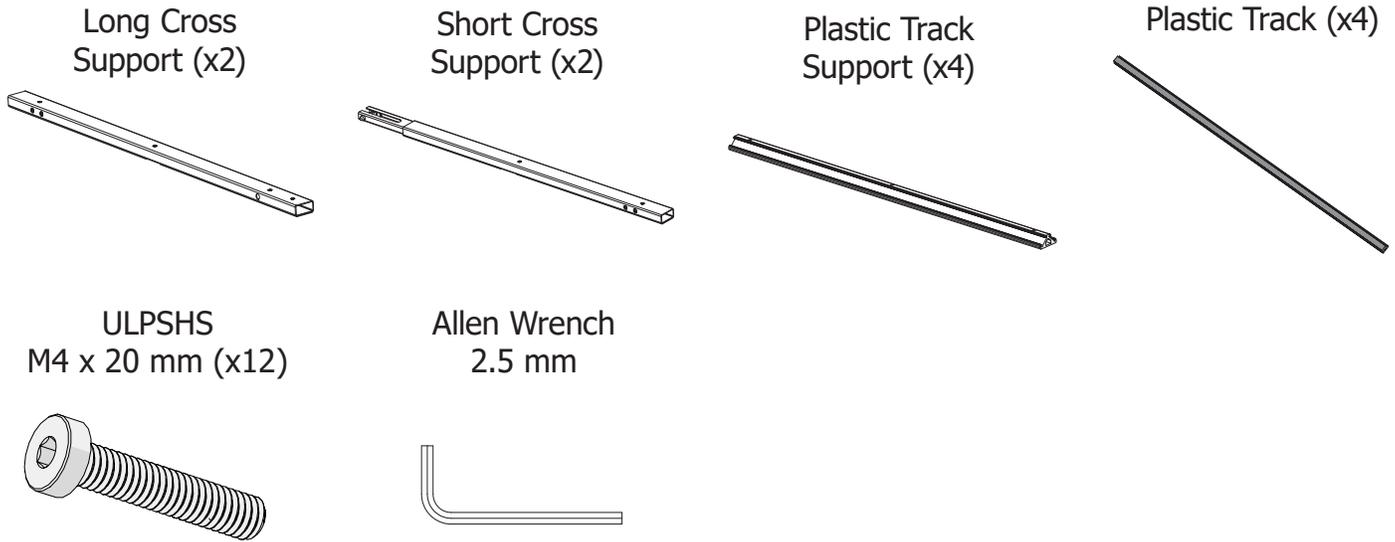
Complete Part One of these instructions before assembling your quilting machine or any accessories you will be using.

At the end of each part, you will be instructed to switch to specific sections of your machine manual, QuiltMotion manual, or other accessories. If you've purchased those products and are preparing to install them, go to the specified sections in those manuals. If you are not using those products at this time, simply skip those sections and continue in this manual.

Task 1 - Assembling the Tracks.....	8
Task 2 - Installing the Sides	10
Task 3 - Aligning the Tracks.....	12
Task 4 - Installing the Top Plate Clamps and Encoder Bracket	16

Task 1 - Assembling the Tracks

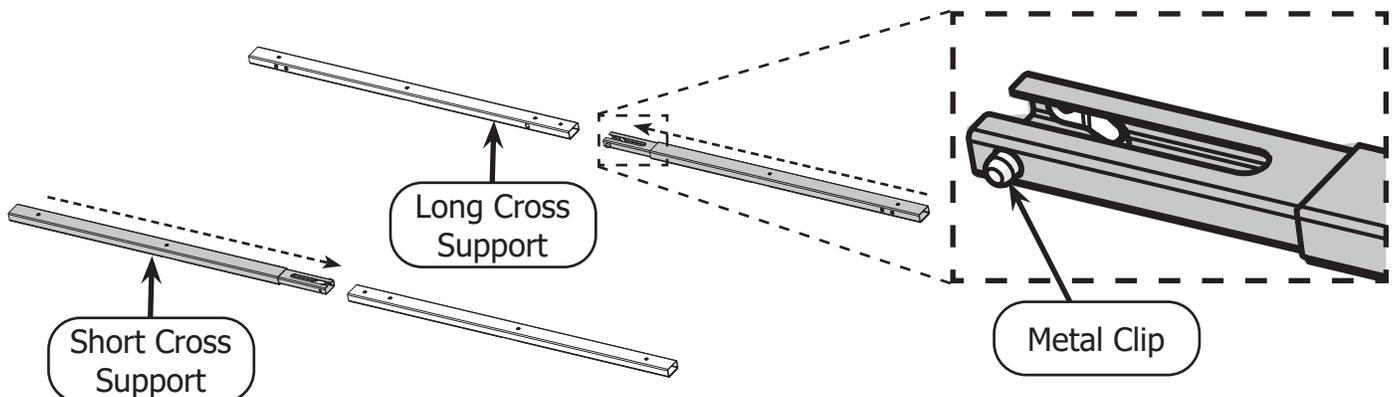
Parts & Tools Needed:



Instructions

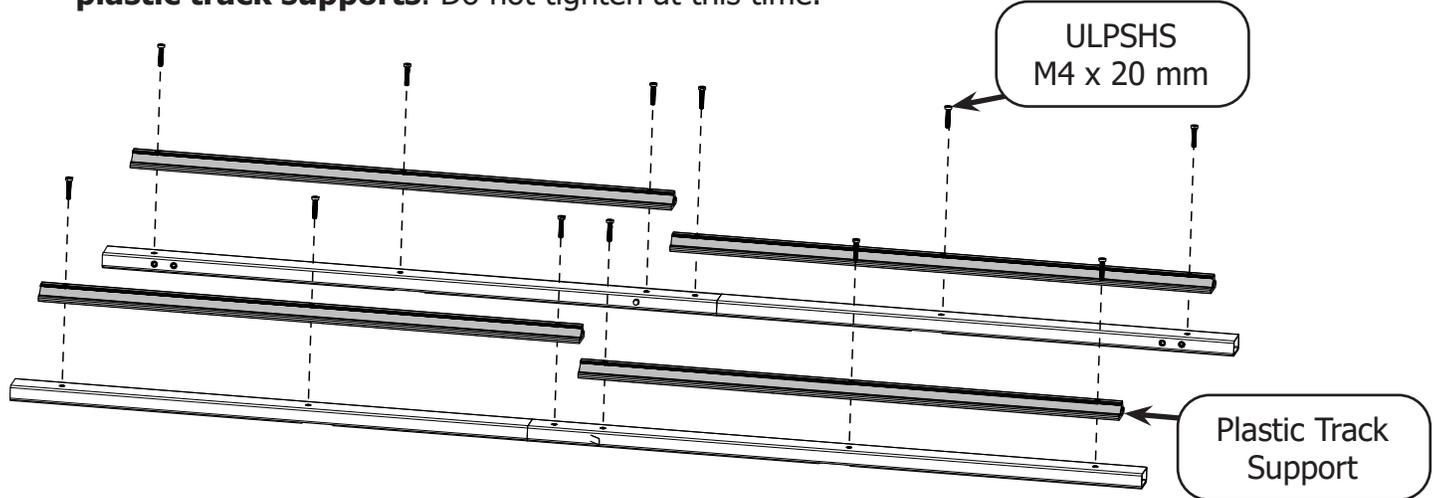
The frame tracks allow the bottom carriage to move horizontally across the frame. Please take the following steps to assemble the frame tracks:

- 1 On both short cross supports:** Press in the **metal clips** and slide into the **long cross supports** until they click into place.

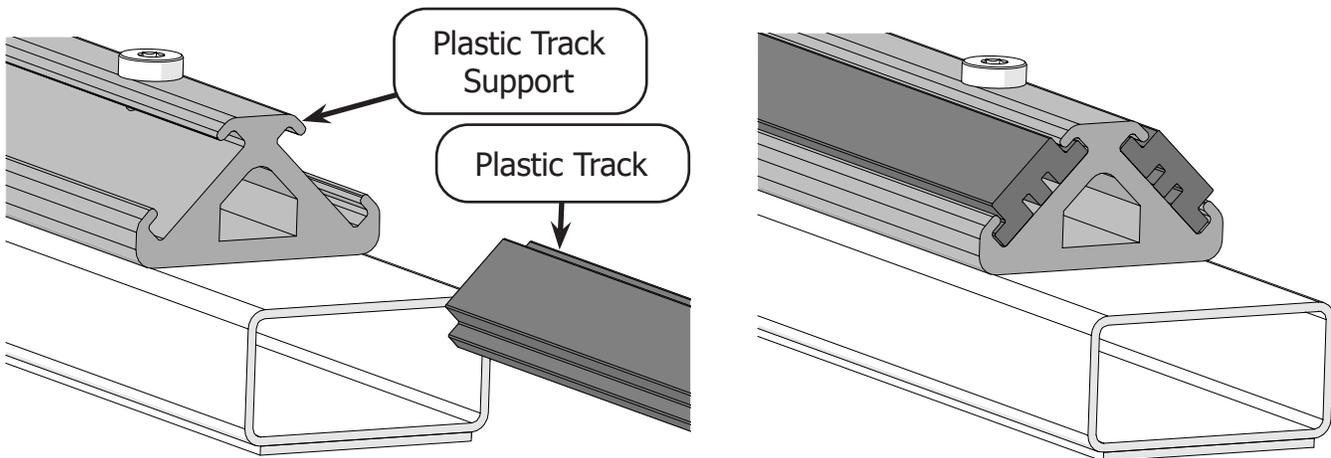


Task 1 - Assembling the Tracks (Continued)

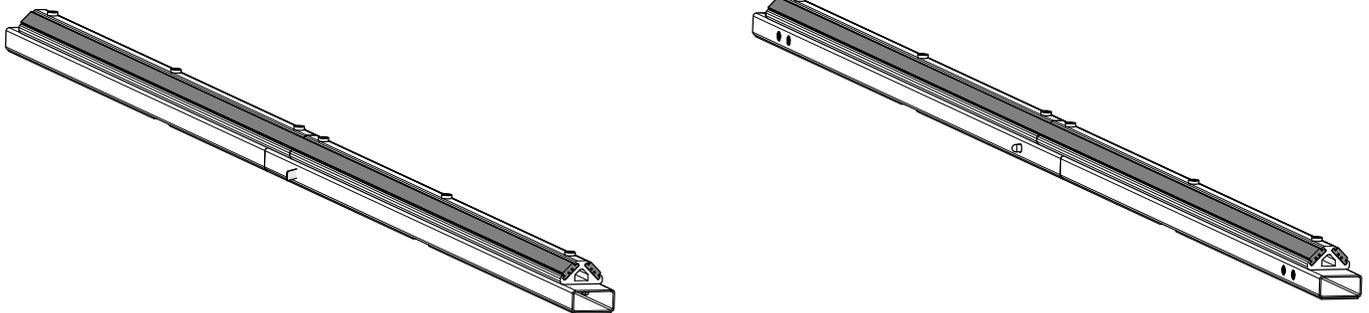
- 2 On both cross supports: Use six **M4 x 20 mm ULPSHS screws** to attach two of the **plastic track supports**. Do not tighten at this time.



- 3 Insert a **plastic track** into each side of both **plastic track supports**. Then tighten the twelve M4 x 20 mm ULPSHS screws from the previous step.



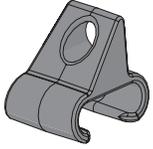
Task 1 Completed:



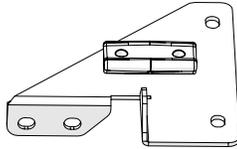
Task 2 - Installing the Sides

Parts & Tools Needed:

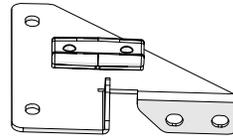
Bungee Slide (x4)



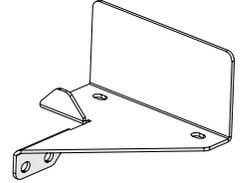
Front Right
Corner Brace



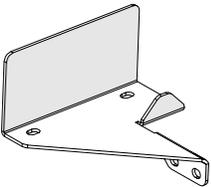
Front Left
Corner Brace



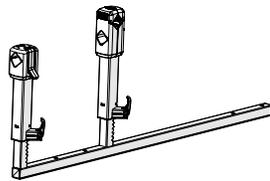
Right Rear
Corner Brace



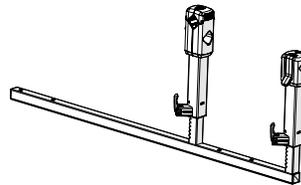
Left Rear
Corner Brace



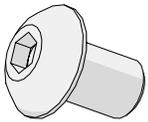
Left Side Assembly



Right Side Assembly



SBHCS
M5 x 8 mm (x16)



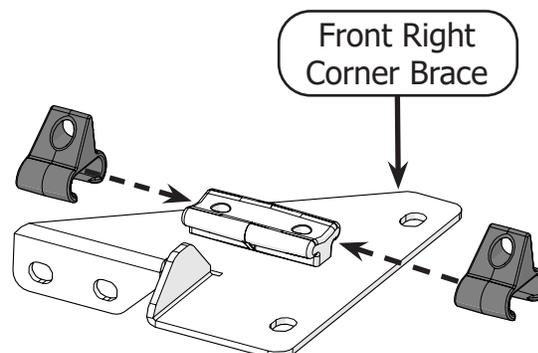
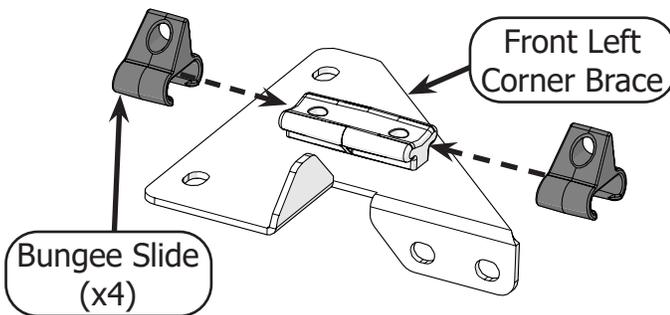
Allen Wrench
3 mm



Instructions

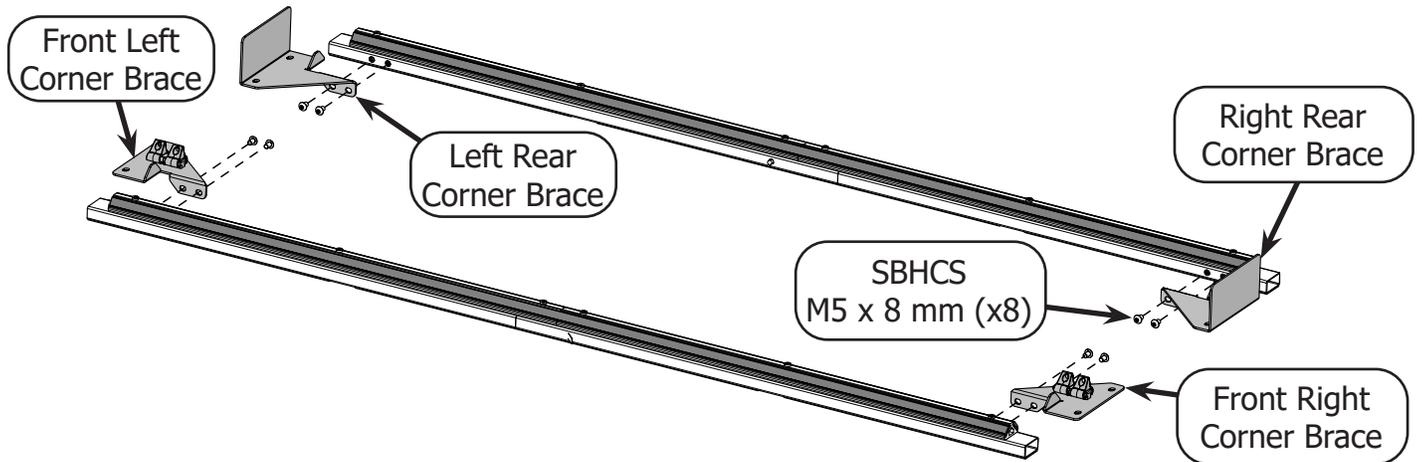
The frame sides support the rails and hold up your fabric. To install the frame sides, take the following steps:

- 1 Slip the four **bungee slides** onto the mounts on the **front left** and **right corner braces**. This is a convenient place to store the bungee slides when the bungee accessory isn't in use.

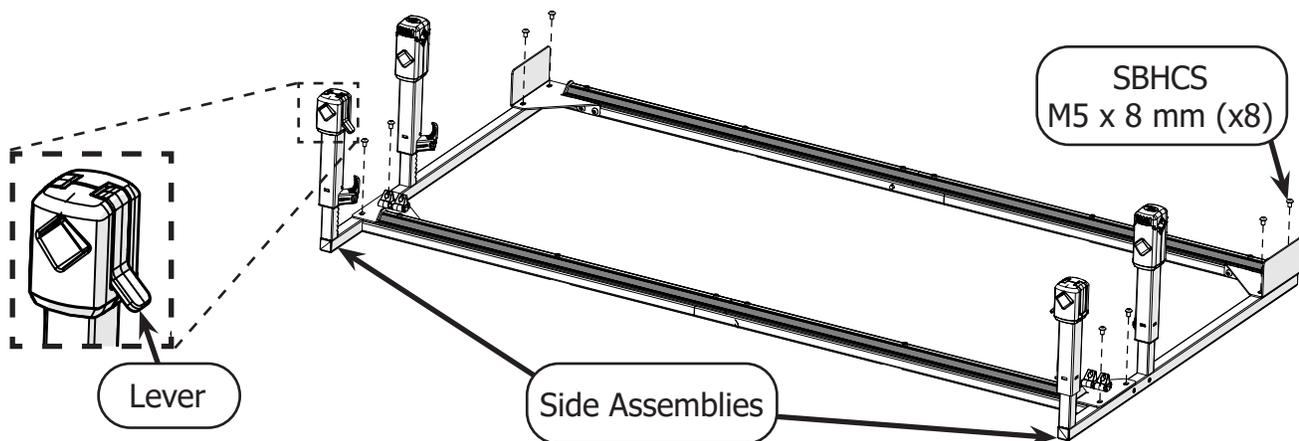


Task 2 - Installing the Sides (Continued)

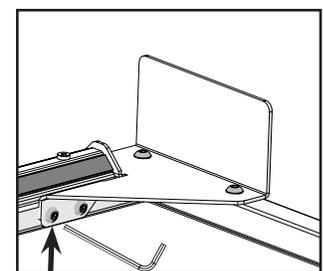
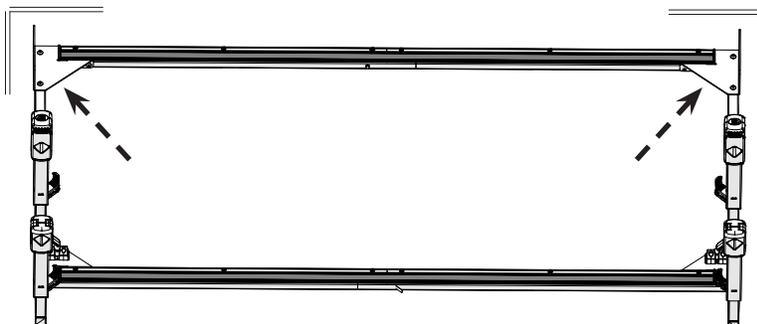
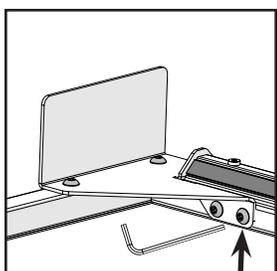
- 2 Use two **M5 x 8 mm SBHCS** and the 3 mm Allen wrench to loosely attach each of the **corner braces**. Do not tighten.



- 3 Install the **side assemblies** so the **levers** at the front are toward the inside of the frame. Attach each side loosely with four **M5 x 8 mm SBHCS** and the 3 mm Allen wrench. Do not tighten.



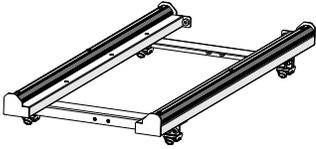
- 4 Push in the rear corner braces so they are flush with the frame tracks and sides. Keep everything square and tighten down the four **M5 x 8 mm SBHCS screws** on both rear corner braces.



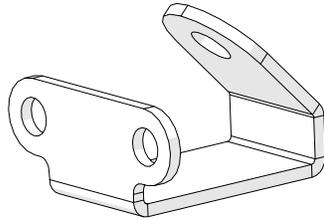
Task 3 - Aligning the Tracks

Parts & Tools Needed:

Bottom Carriage



Encoder Bracket



SBHCS
M5 x 8 mm (x2)



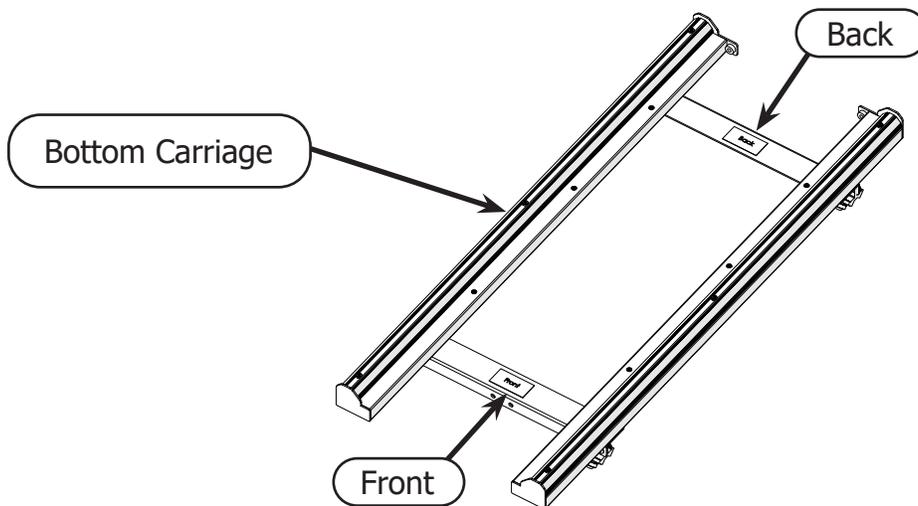
Allen Wrench
3 mm



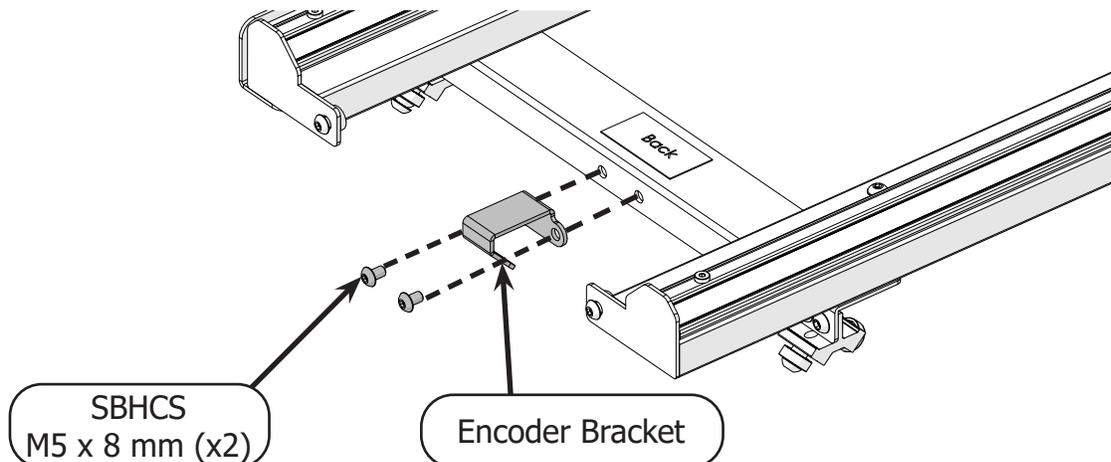
Instructions

The bottom carriage shuttles the machine from side to side across the frame. To prepare and install the bottom carriage, please follow these steps:

- 1 Note that the **bottom carriage** has stickers to label the front and back of the carriage

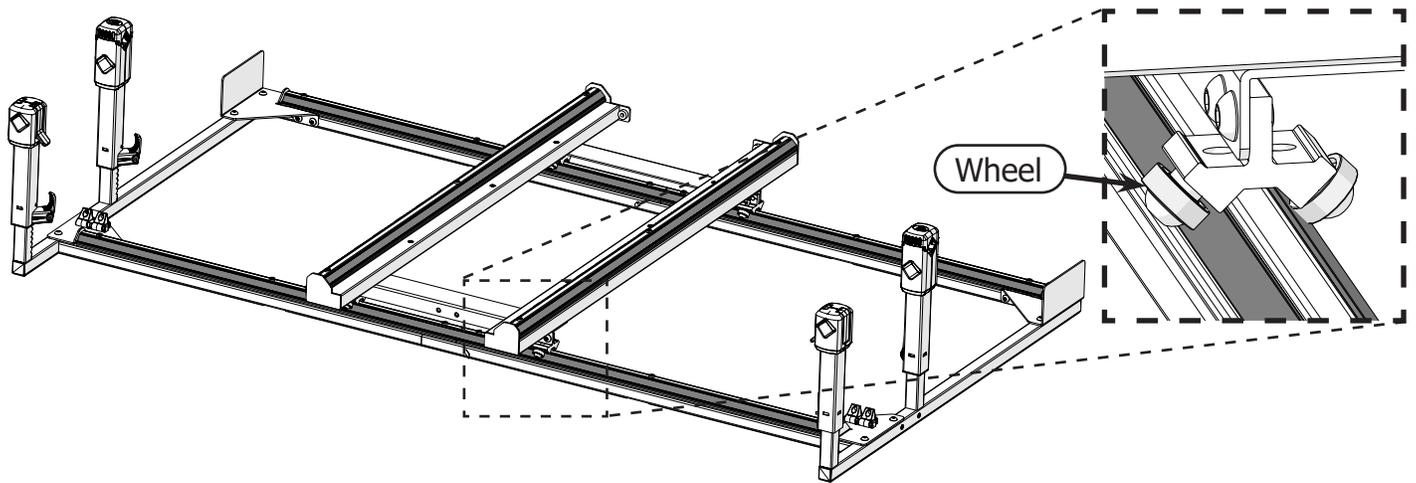


- 2 On the rear of the bottom carriage, install the **encoder bracket** with two **M5 x 8 mm SBHCS screws** and the 3 mm Allen wrench.

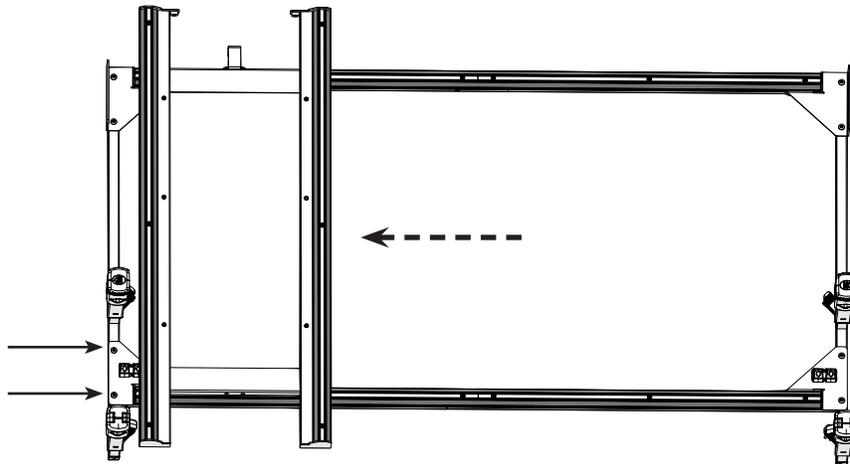


Task 3 - Aligning the Tracks (Continued)

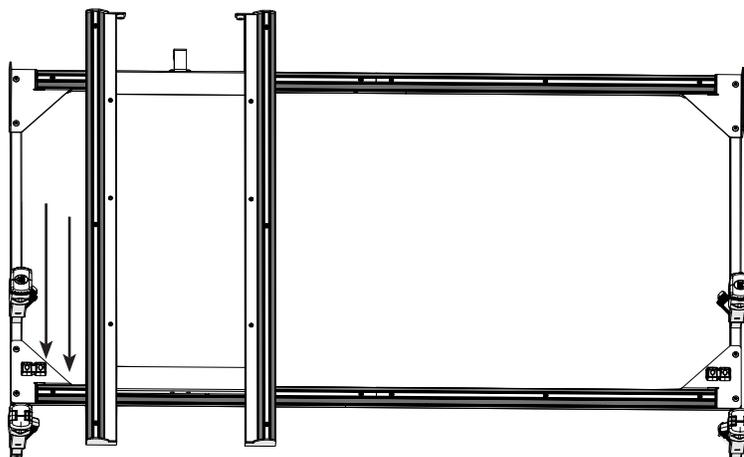
- 3 Place the bottom carriage onto the frame so the **wheels** ride the plastic track.



- 4 Press down on the bottom carriage and push to one side of the frame. Tighten down the screws on the top of the front corner brace with the 3 mm Allen wrench.



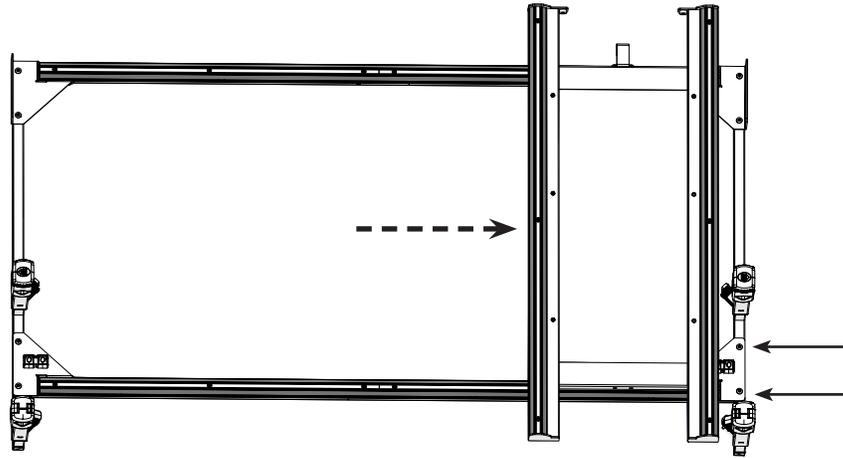
- 5 Tighten the two screws attaching the front corner brace to the track.



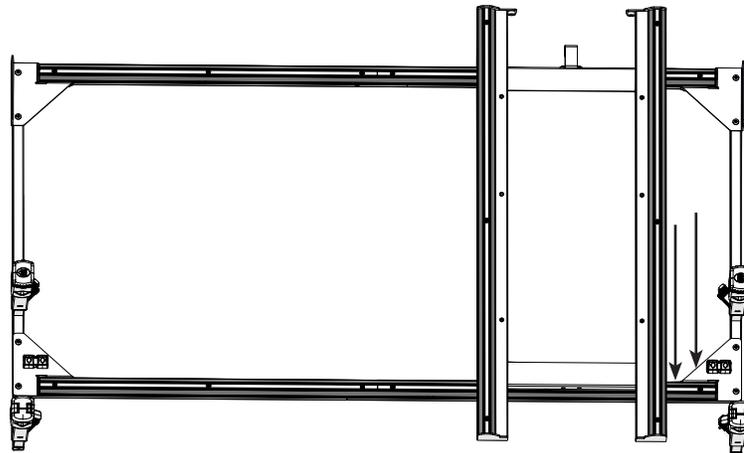
Cutie Frame

Task 3 - Aligning the Tracks (Continued)

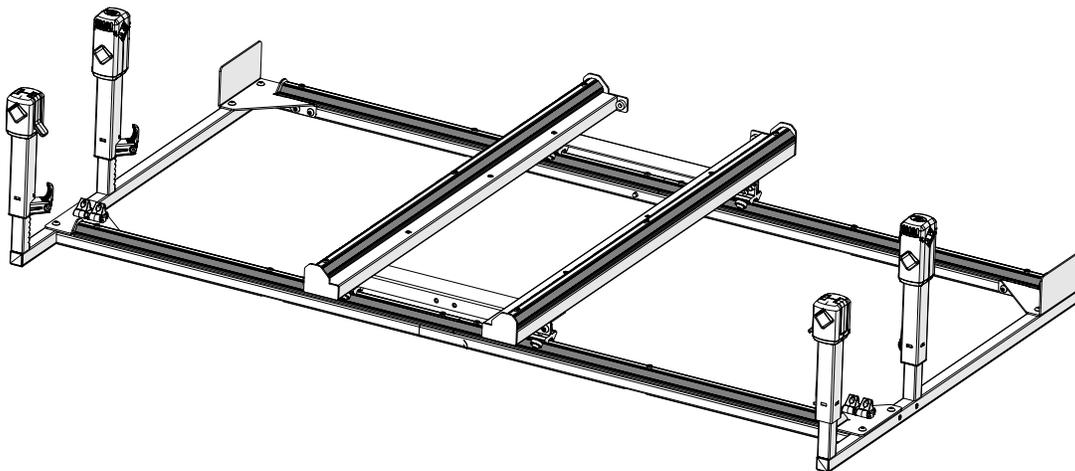
- 6 Carefully press down on the carriage and slide it across the frame. Tighten the two screws on the top of the corner brace.



- 7 Tighten the two screws attaching the corner base to the track.



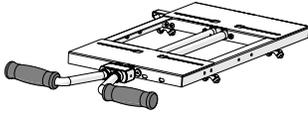
Task 3 Completed:



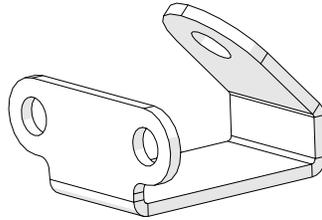
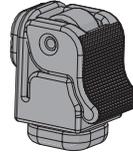
Task 4 - Installing the Top Plate Clamps and Encoder Bracket

Parts & Tools Needed:

Top Plate



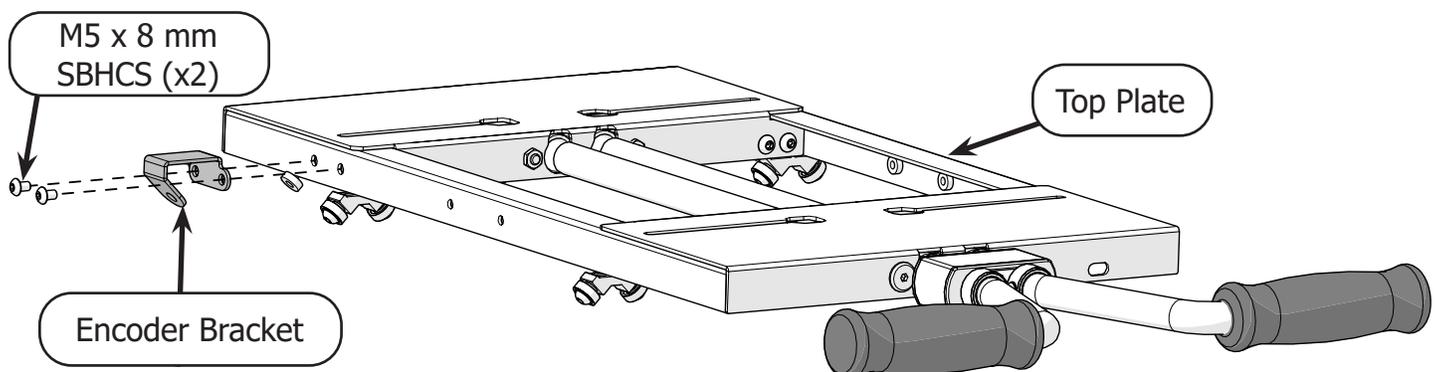
Encoder Bracket

Sewing Machine
Clamps (x4)SBHCS
M5 x 8 mm (x2)Allen Wrench
3 mm

Instructions

The top plate shuttles the machine from front to back on the bottom carriage. To prepare the top plate, please follow these steps:

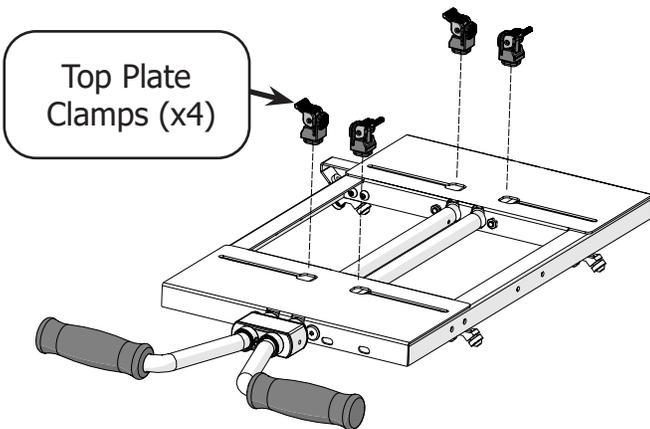
- 1 Install the second **encoder bracket** onto the left side of the **top plate** with two **M5 x 8 mm SBHCS screws** and the 3 mm Allen wrench.



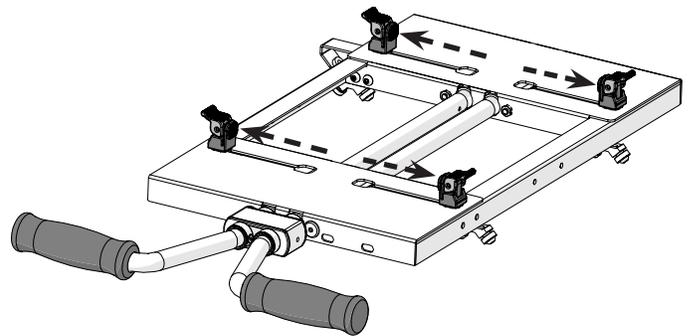
Cutie Frame

Task 4 - Installing the Top Plate Clamps and Encoder Bracket (Continued)

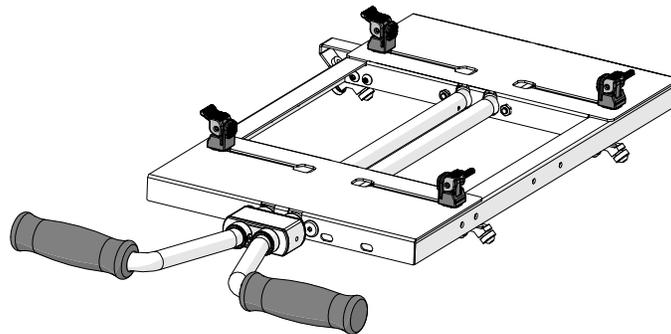
- 2 Open the **top plate clamps** and place them into the slots in the top plate.



- 3 Slide the top plate clamps toward the top plate edge. Close them to latch them in place.



Task 4 Completed:



If you will be using QuiltMotion automation, please follow "Part One" in your QuiltMotion instruction manual. If you do not have QuiltMotion automation, go to "Part Two" of this manual.

Note: If you have purchased the Cutie Table and Legs accessory you can assemble it now. If you have purchased the Cutie channel locks, these can be installed now.

Part Two

Before completing the tasks in part two, please ensure you've completed the applicable items listed below. Some items only apply if you have purchased the item they're describing, and can be skipped otherwise.

Progress Checkpoint

Have you:

- Installed the lower encoder onto the bottom carriage (wheeled quilting machine manual part one)?
- Completed Part One of QuiltMotion (optional accessory)?
- Aligned your machine wheels (wheeled quilting machine manual part two)?
- Completed Part Two of QuiltMotion (optional accessory)?

Task 5 - Installing the Top Plate..... 19

Task 6 - Installing your Sewing Machine..... 20

Task 7 - Prepare Your Machine for Quilting 22

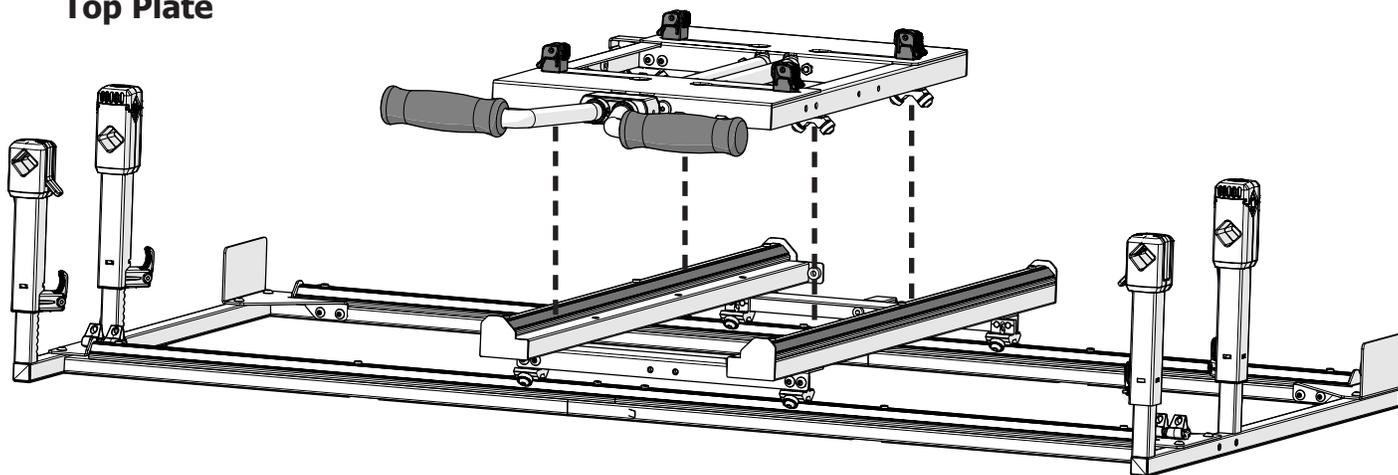
Task 5 - Installing the Top Plate or Quilting Machine

Instructions

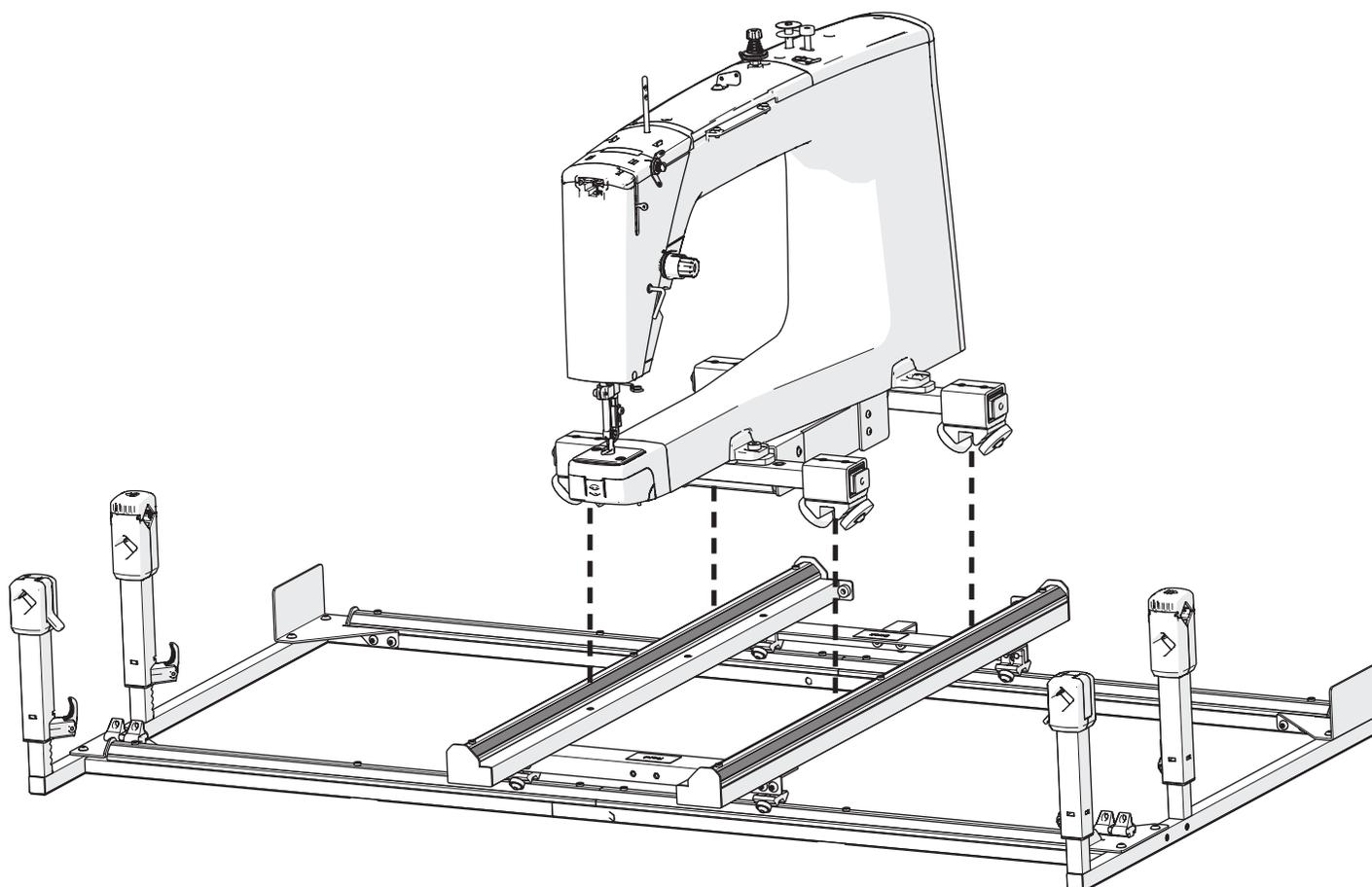
The top plate shuttles your sewing machine from front to back on the bottom carriage. A wheeled quilting machine does not need a top plate. To install the top plate or machine, please follow these steps:

- 1 Place the top plate or machine so the wheels ride the bottom carriage track.

Top Plate



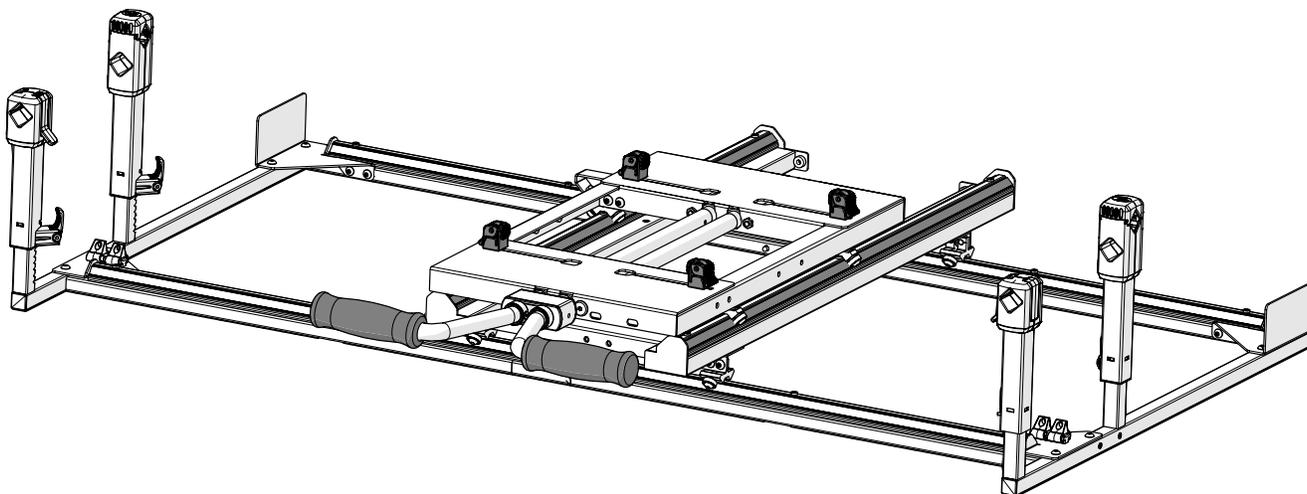
Quilting Machine



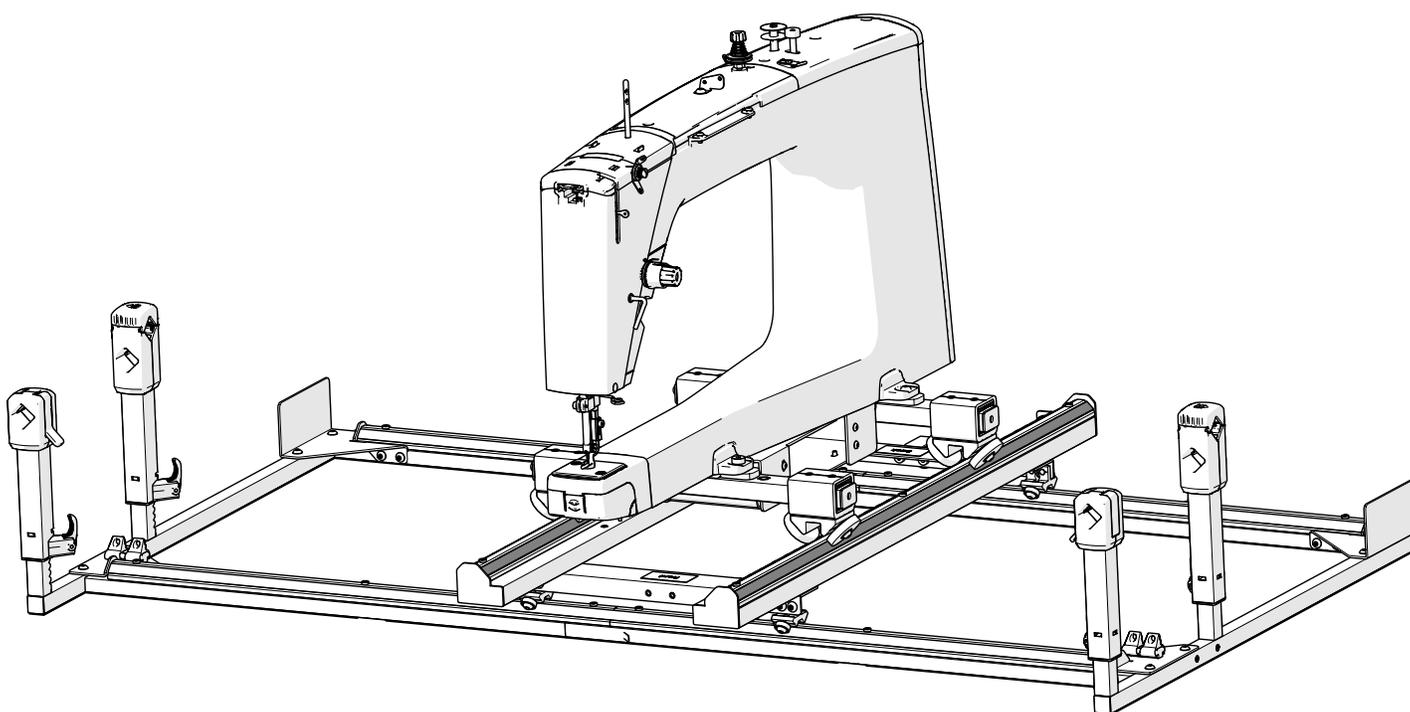
Task 5 - Installing your Top Plate or Quilting Machine (Continued)

Task 5 Completed:

Top Plate



Quilting Machine

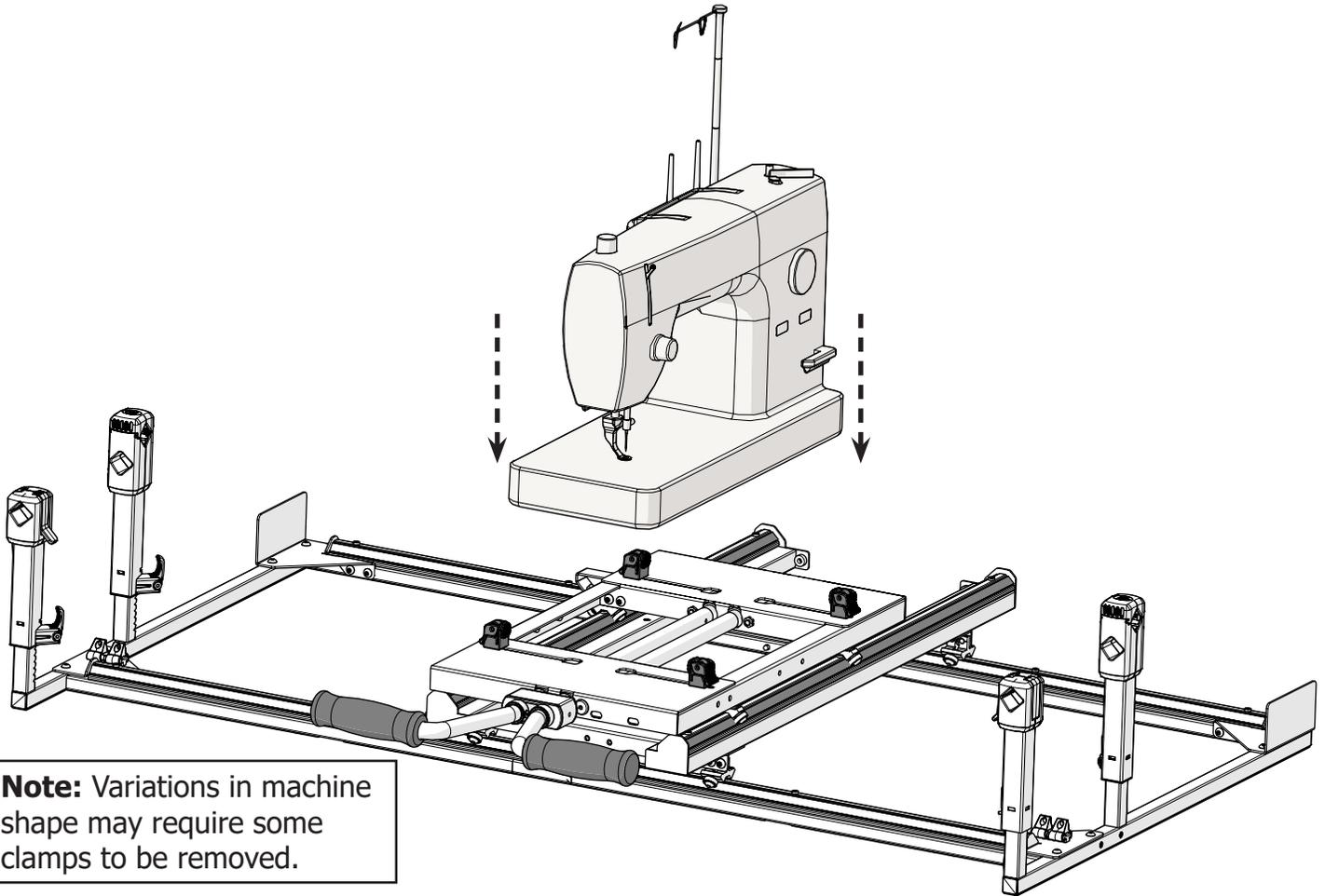


Task 6 - Installing your Sewing Machine

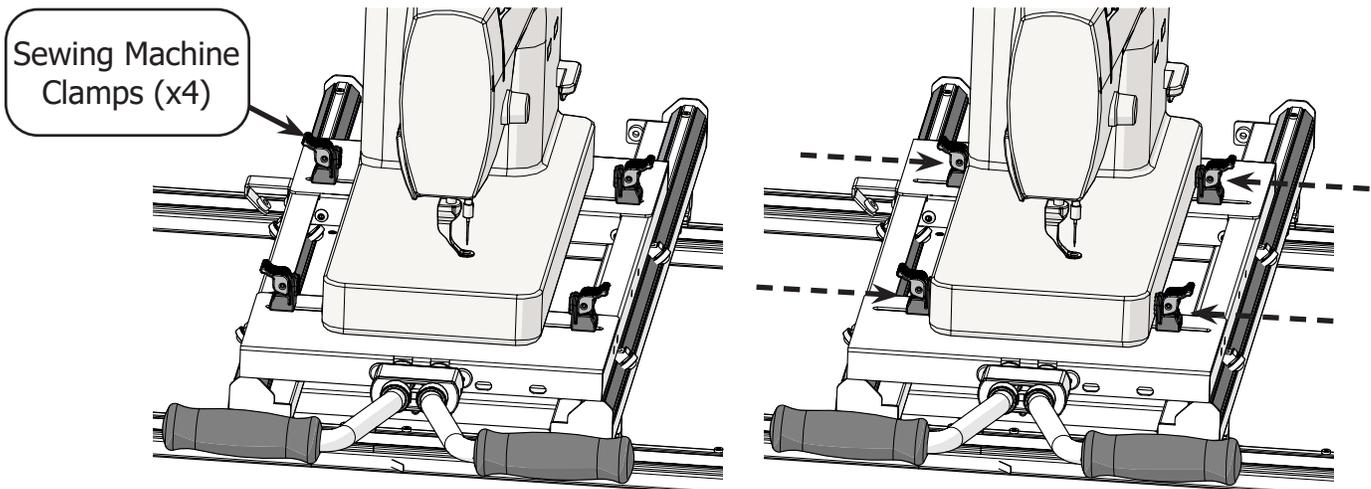
Instructions

Take the following steps to secure your home sewing machine to the top plate. If you're using wheeled quilting machine, skip this task.

- 1 Place your machine onto the top plate, centered between the top plate clamps. Ensure that all corners of the machine are placed solidly on the top plate metal.

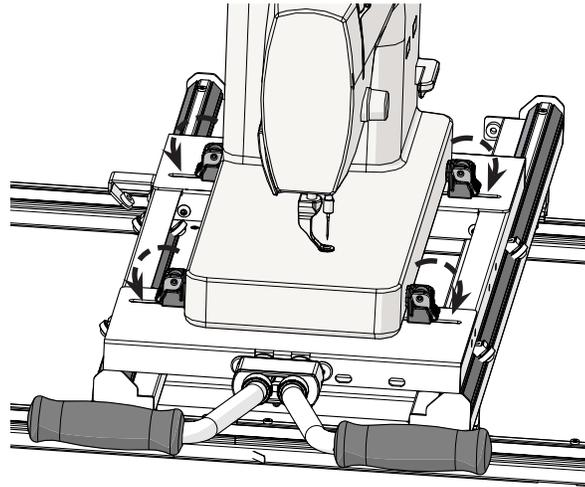


- 2 Open the **sewing machine clamps** and press them up against your sewing machine.

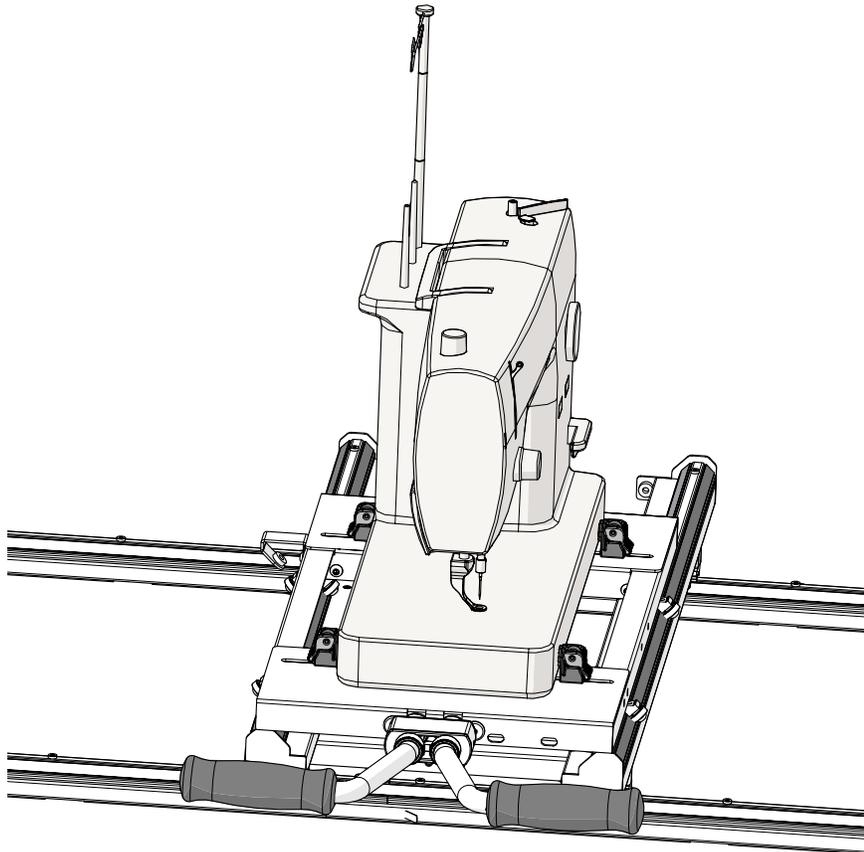


Task 6 - Installing your Sewing Machine (Continued)

- 3 Close the clamps to secure your sewing machine.



Task 6 Completed:



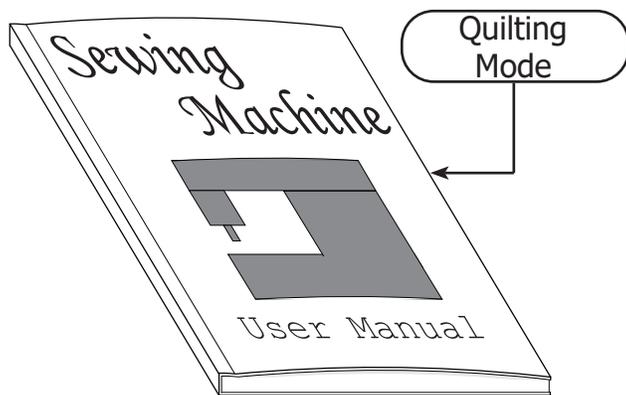
Task 7 - Prepare Your Machine for Quilting

Instructions

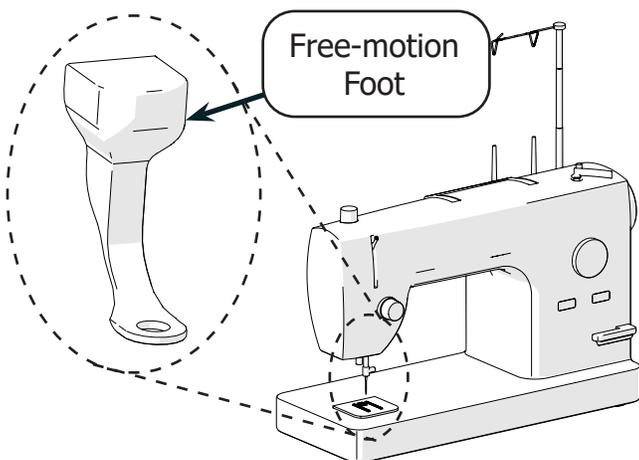
Take the following steps to prepare your sewing machine for quilting. If you are using a wheeled quilting machine, skip to the instruction box at the end of this task.

- 1 Switch to **quilting mode** if available on your machine. For instructions on switching between machine modes, see your **sewing machine user manual**.

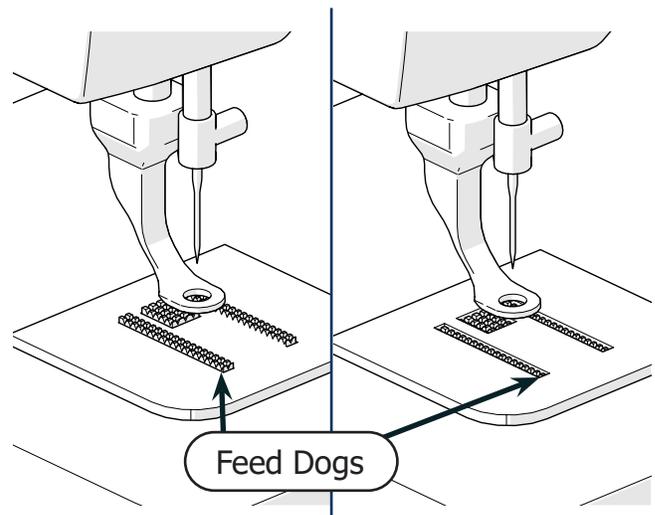
Note: Not all sewing machines will have this mode, but must be used if available.



- 2 Swap out your hopping foot for a **free-motion** or **embroidery hopping foot**.



- 3 If not already done by changing to quilting mode, Lower your machine's **feed dogs** so they don't catch on the quilt backing.



If you are not using a quilting machine, continue on to "Part Three" of this manual.

If you're using a wheeled quilting machine, complete the tasks in "Part Two" of your quilting machine manual. If your manual isn't broken into parts, do the following in order:

1. Install the machine wheel covers.
2. Install the handlebars (applicable machines only).
3. Install the display.
4. Install the thread stand (applicable machines only).
5. Install the upper encoder onto the machine.
6. Plug in the machine.
7. Wind a bobbin and thread the machine.

Part Three

Before completing the tasks in part three, complete the following applicable tasks:

Progress Checkpoint

Wheeled quilting machine users:

Have you:

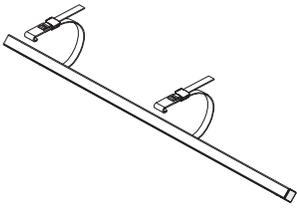
- Completed Part Three of your machine instruction manual:
 - Installed wheel covers (applicable machines only)?
 - Installed handlebars (applicable machines only)?
 - Installed display?
 - Installed thread mast?
 - Installed upper encoder?

Task 8 - Installing the Rails	24
Task 9 - Adjusting the Rails	31
Task 10 - Adjusting the Carriage Stop Bracket	33
Task 11 - Adjusting the Top Plate Handles	34
Task 12 - Extending Your Foot Pedal Cable	36

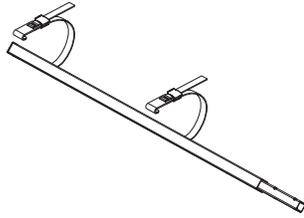
Task 8 - Installing the Rails

Parts & Tools Needed:

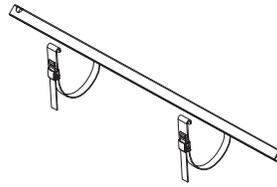
Long Take-up Rail



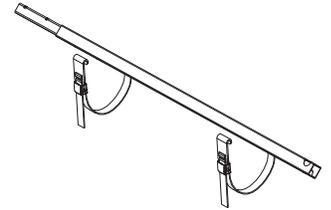
Short Take-up Rail



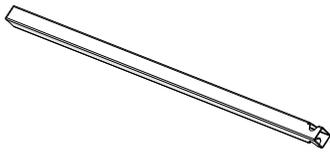
Long Front Rail



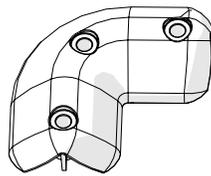
Short Front Rail



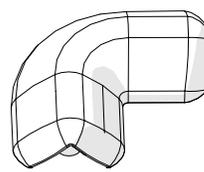
Hoop Side Rail (X2)



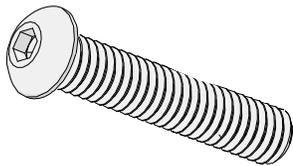
Rail Corner Bottom (x2)



Rail Corner Top (x2)



SBHCS
M4 X 25 mm (x6)



Allen Wrench
2.5 mm



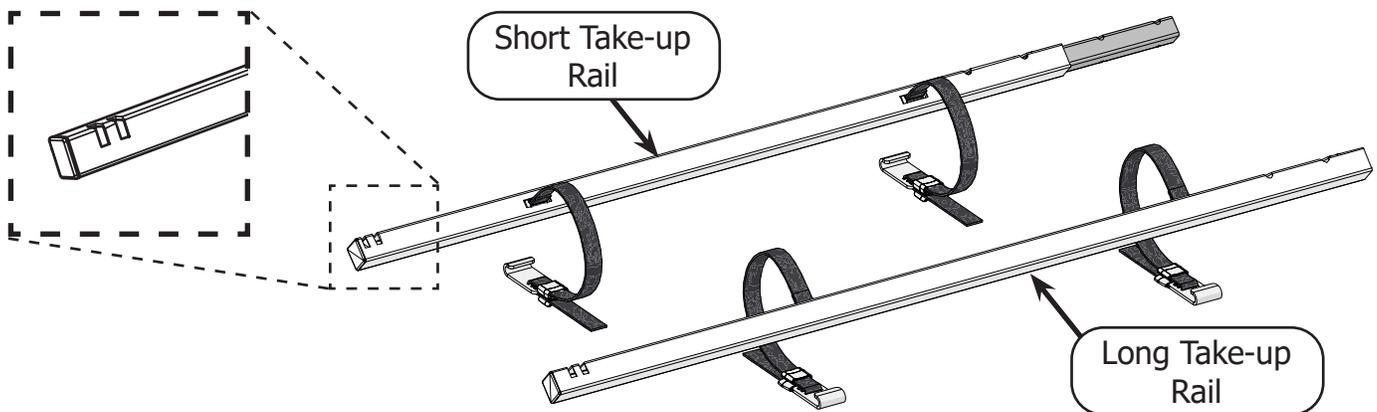
Allen Wrench
2 mm



Instructions

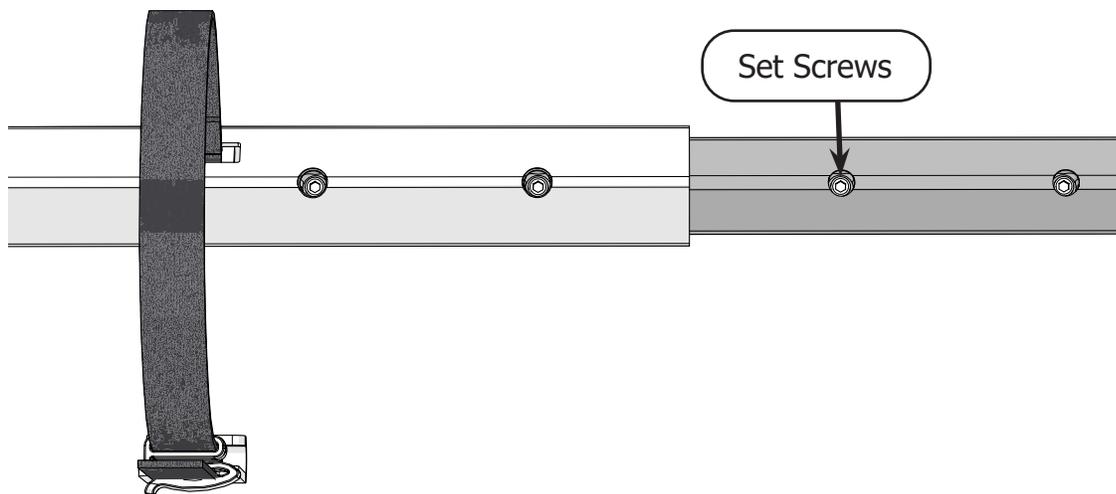
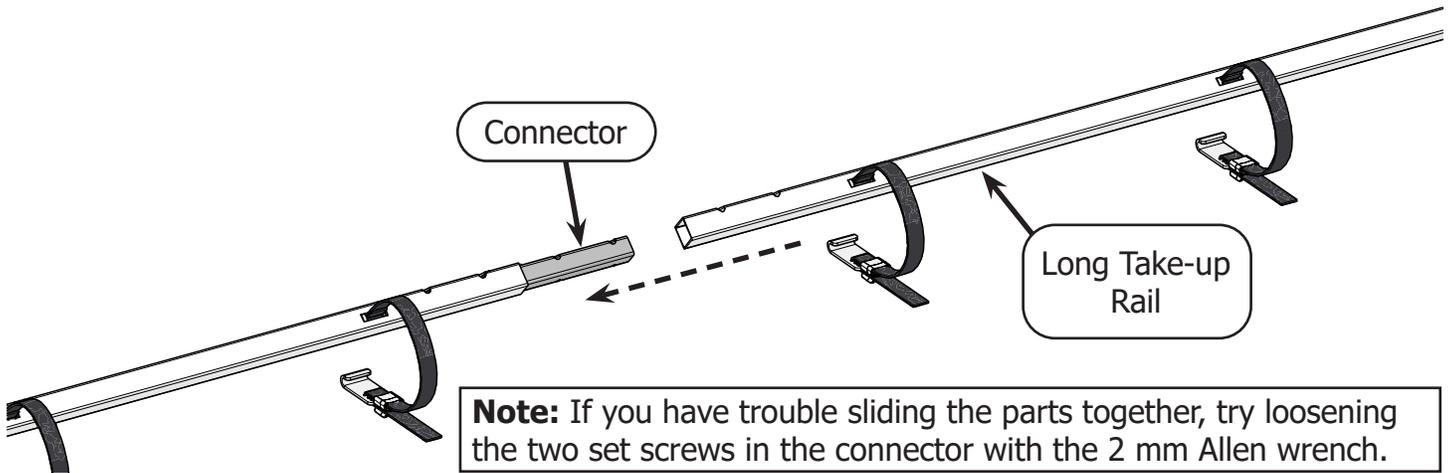
The rails hold your quilt in place while you work. Please take the following steps to assemble and install the frame rails:

- 1 Locate the **long** and **short take-up rails**. The take-up rail pieces have two rectangular cut-outs on one end.

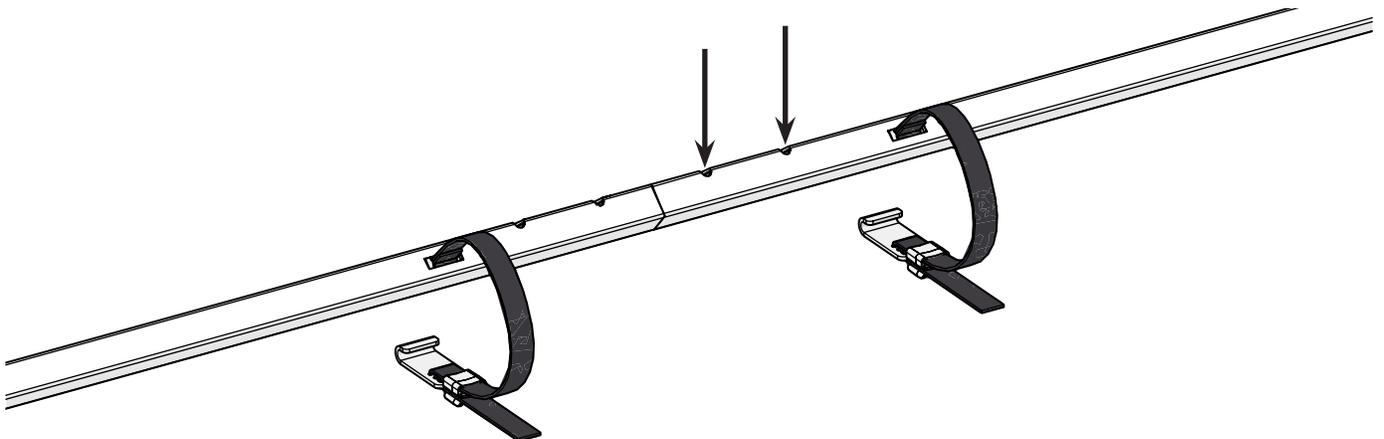


Task 8 - Installing the Rails (Continued)

- 2 Slide the **long take-up rail** over the **connector** on the short take-up rail so the screw holes align with the pre-installed **set screws**.



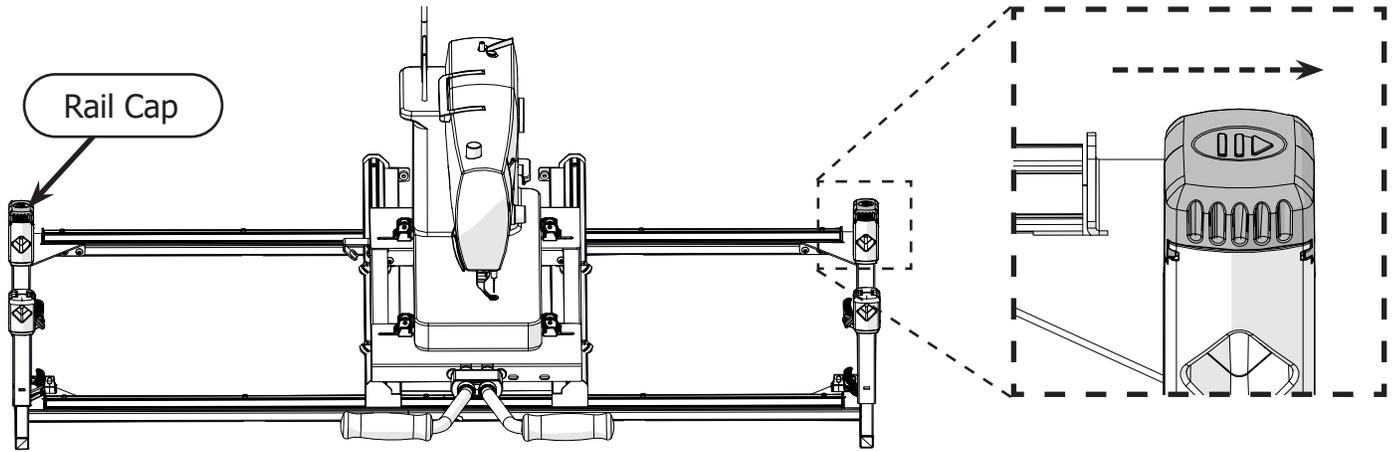
- 3 With the 2 mm Allen wrench, tighten the pre-installed set screws in the take-up rail.



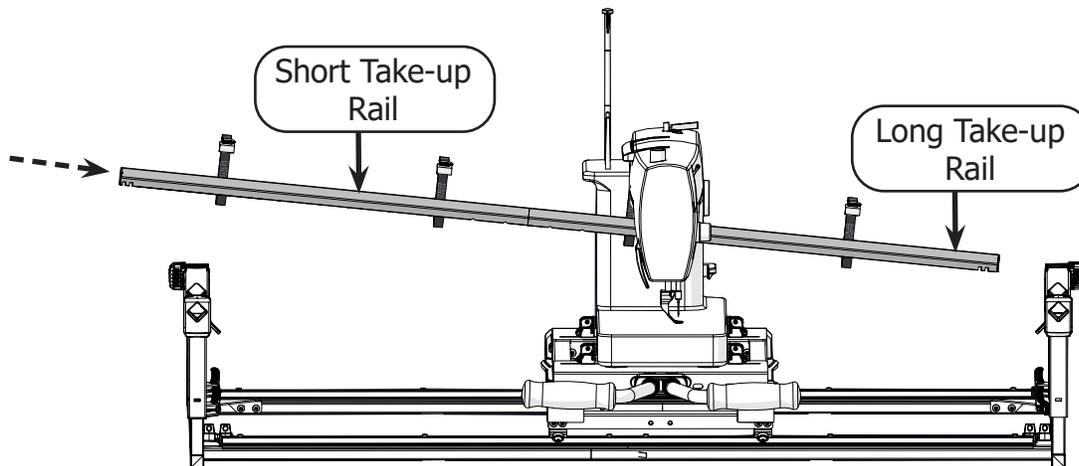
Cutie Frame

Task 8 - Installing the Rails (Continued)

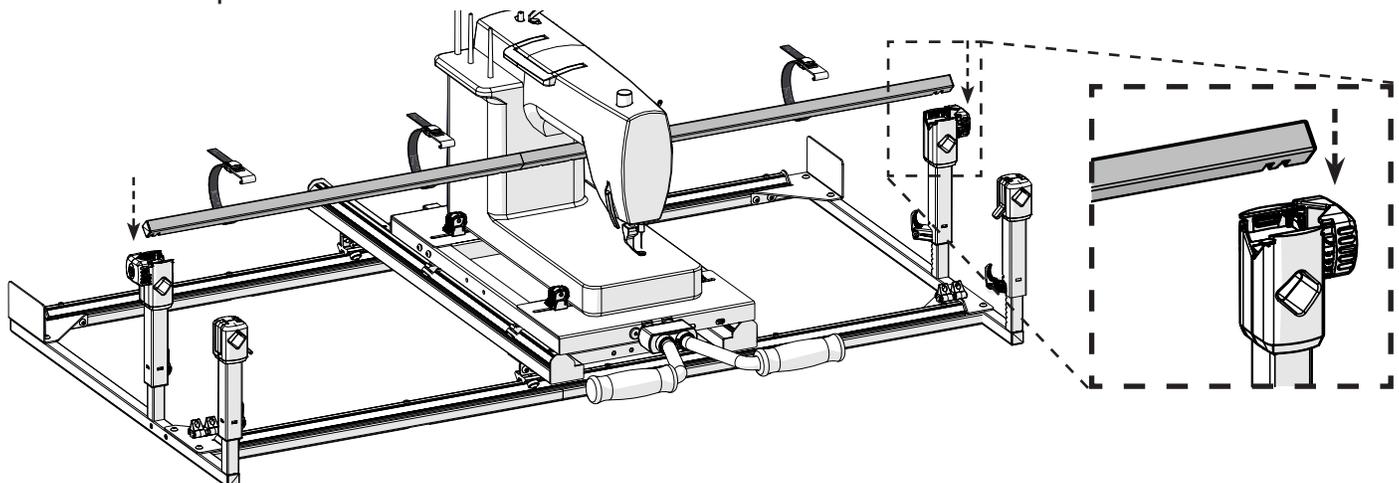
- 4 Open the take-up **rail caps** by sliding them outward, following the direction of the embossed arrows.



- 5 Pass the take-up rail through the throat of the machine. Make sure the **long half of the take-up rail** is on the right side.

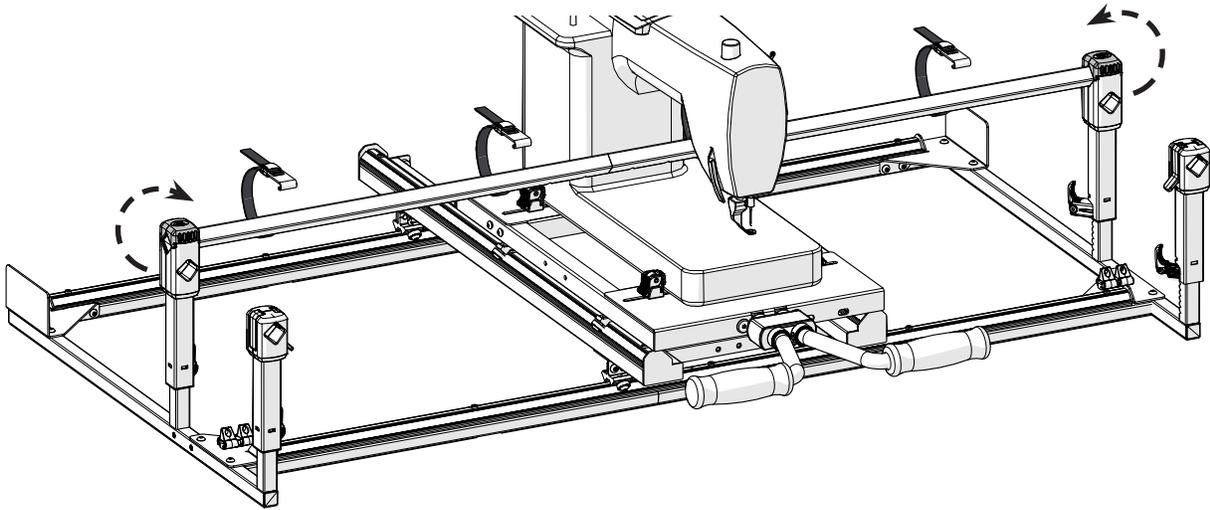


- 6 Place the rail into the grooves on each of the frame sides. The two rectangular notches in the rails must point down.

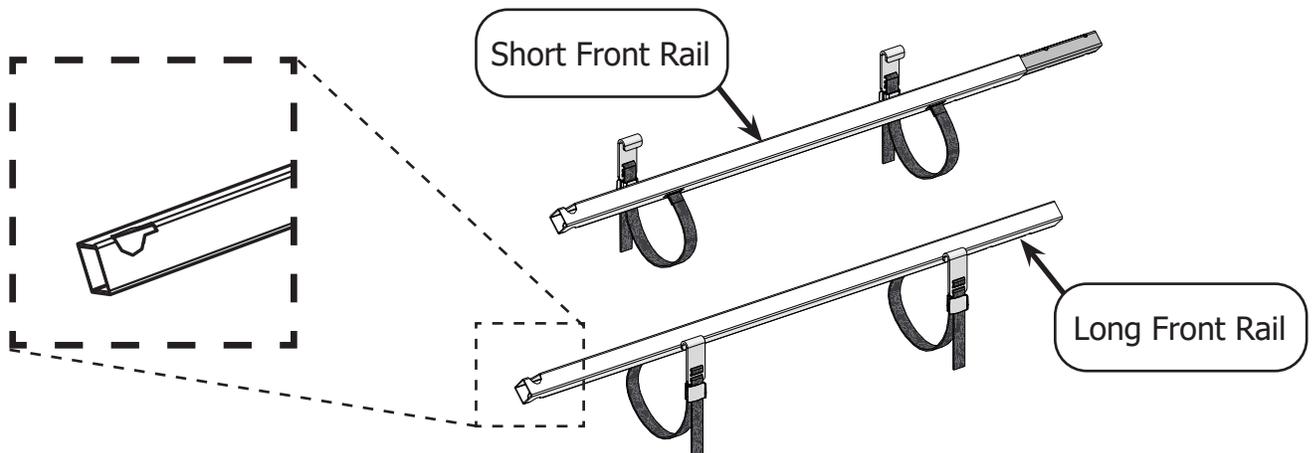


Task 8 - Installing the Rails (Continued)

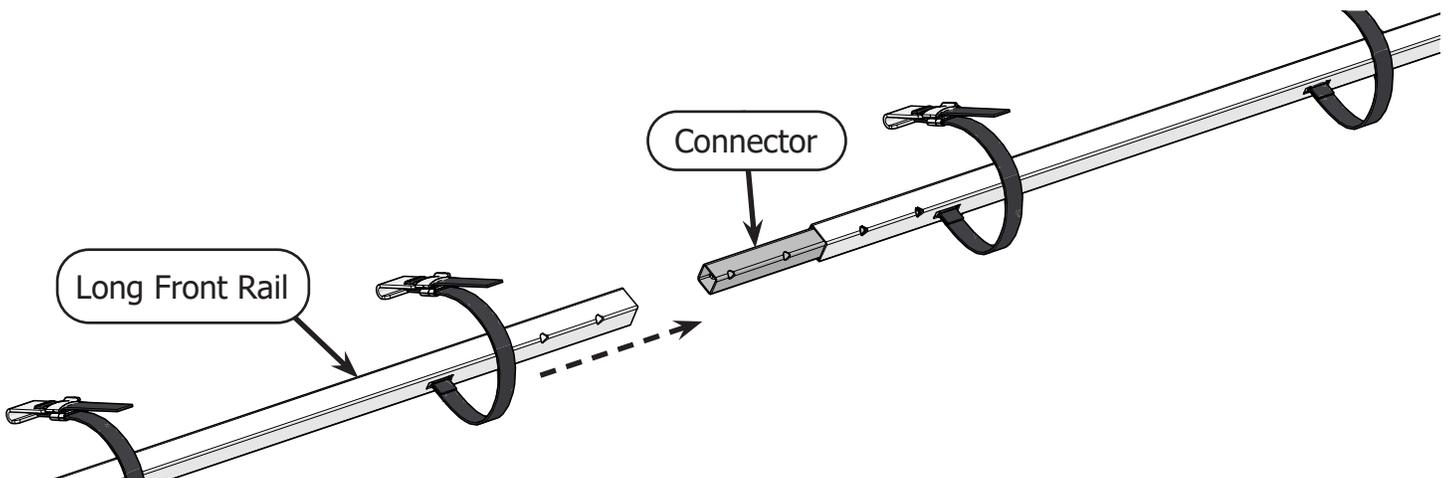
- 7 Close the rail caps to secure the take-up rail.



- 8 Locate the **long** and **short front rails**. The front rail pieces have keyholes cut-outs on one end.



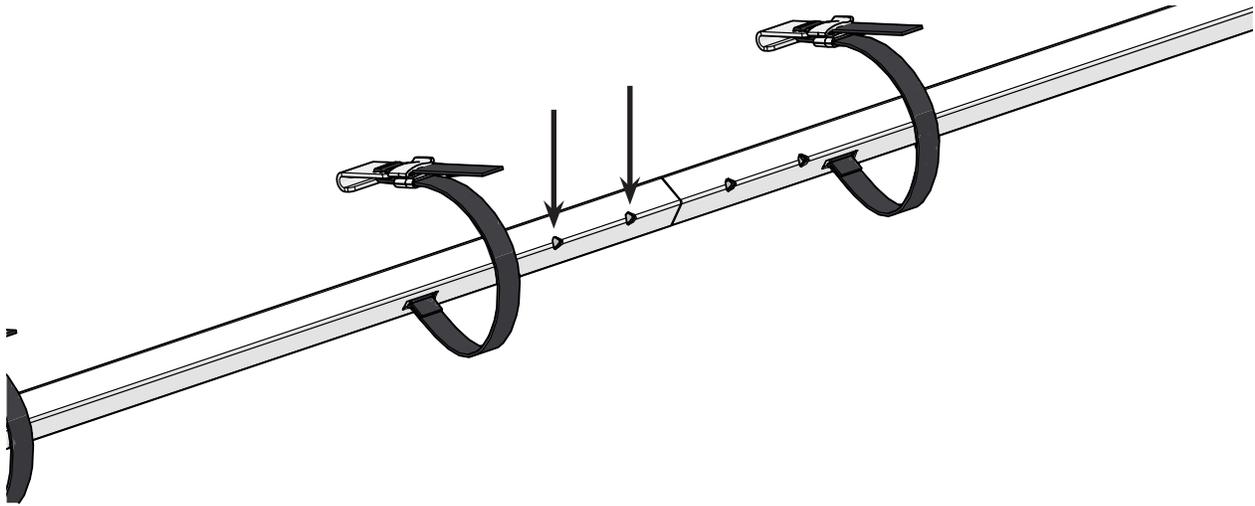
- 9 Slide the **long front rail** over the **connector** on the short front rail so the screw holes align.



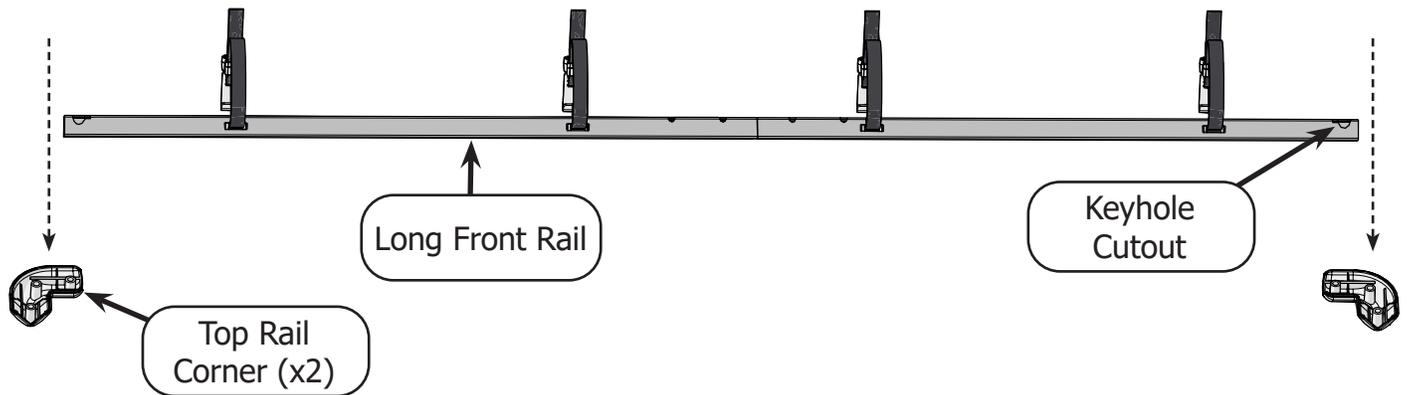
Cutie Frame

Task 8 - Installing the Rails (Continued)

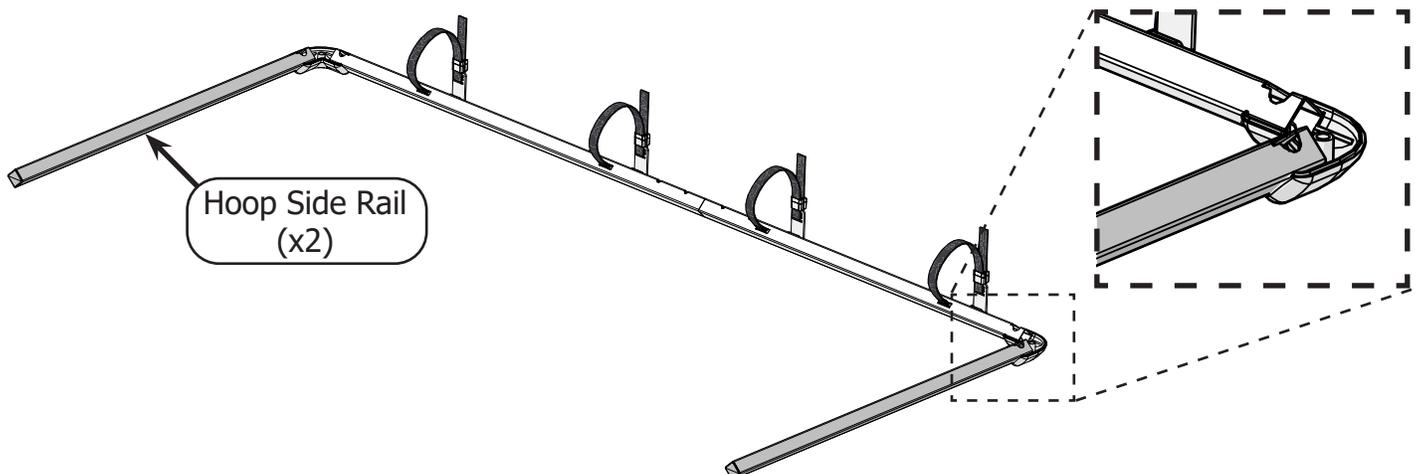
- 10 With the 2 mm Allen wrench, tighten the pre-installed set screws in the front rail.



- 11 Place the **front rail** onto the two **top rail corners** so the **keyhole cutout** faces away from the corners, and the long front rail is to the left.

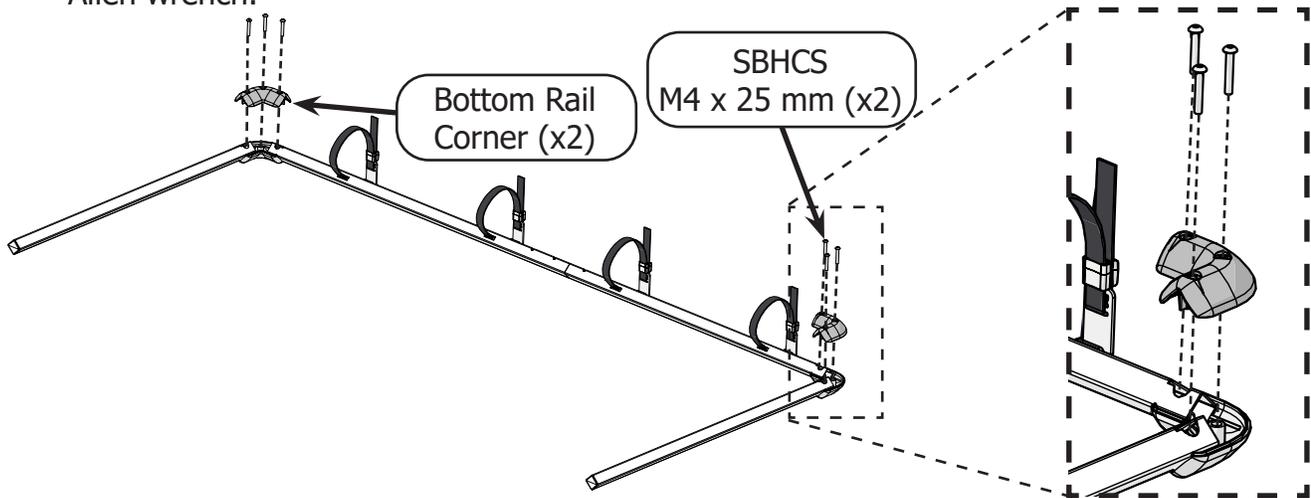


- 12 Place each **hoop side rail** into a top rail corner so the end with the hole rests in the corner.

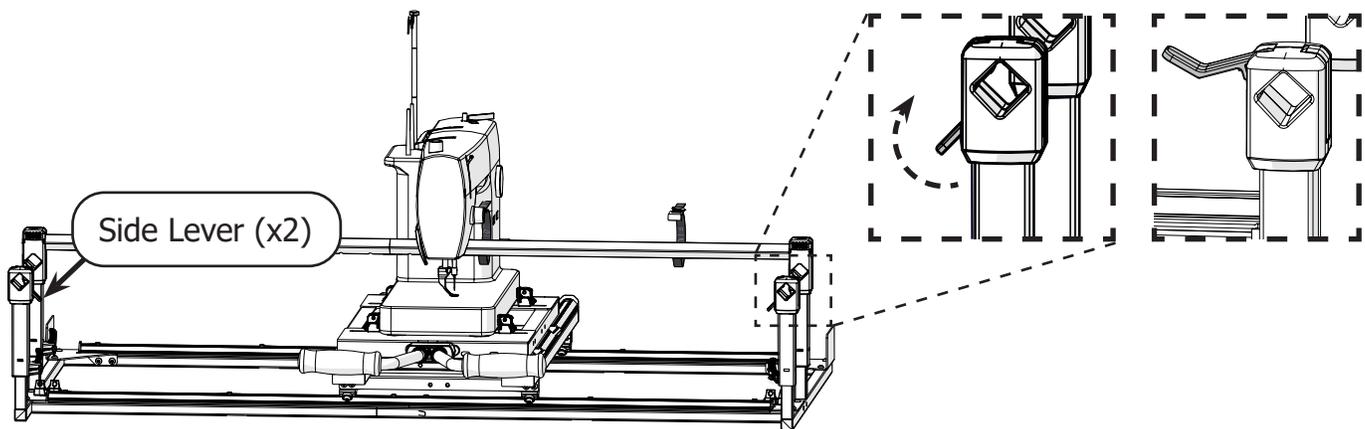


Task 8 - Installing the Rails (Continued)

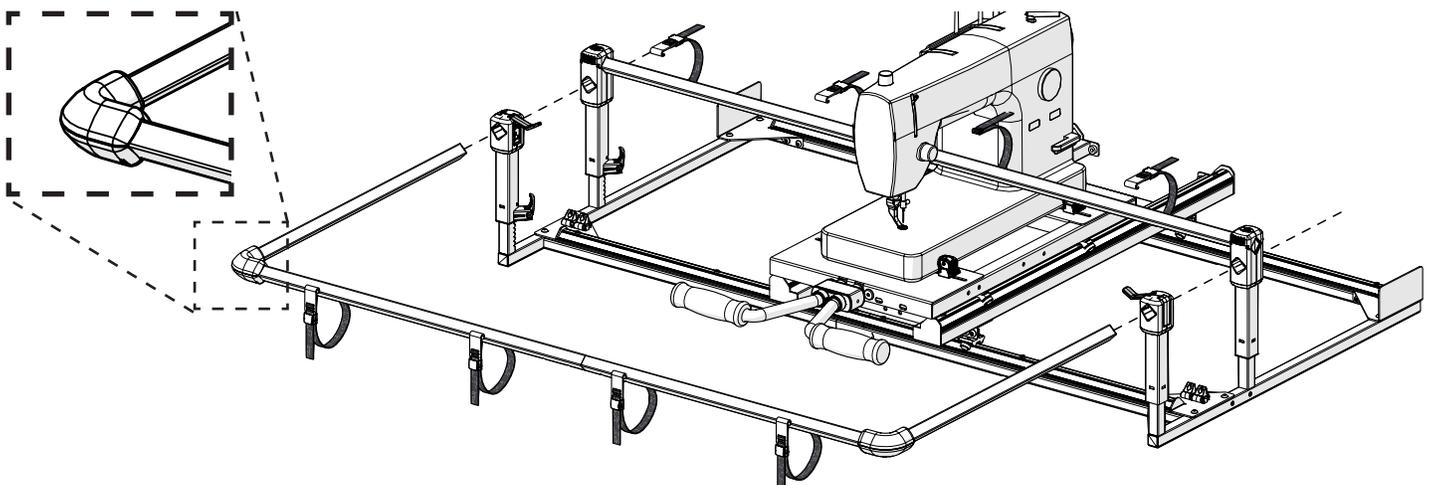
- 13 Attach the **bottom rail corners** using three **M4 x 25 mm SBHCS screws** and the 2.5 mm Allen wrench.



- 14 Open the **levers** on the front of the frame sides.



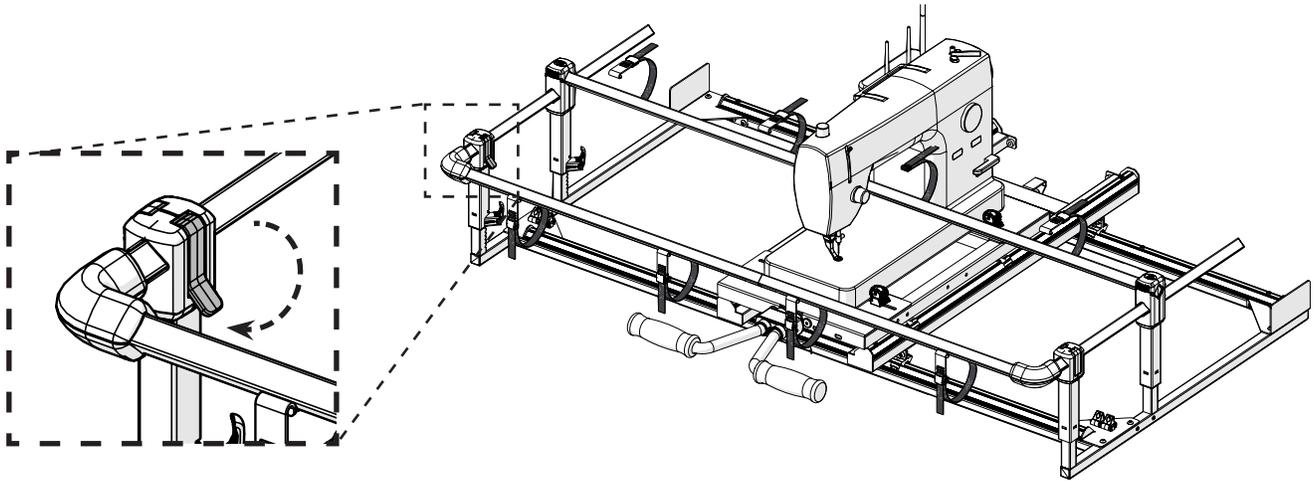
- 15 Slide the assembled front rail into the frame sides so the screws in the corners face down.



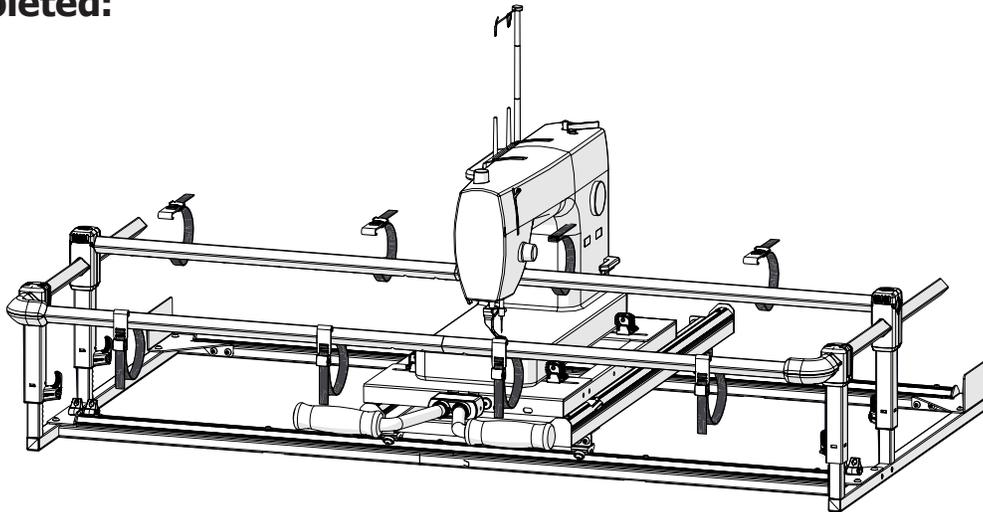
Cutie Frame

Task 8 - Installing the Rails (Continued)

- 16 Close the levers to secure the front rail.



Task 9 Completed:

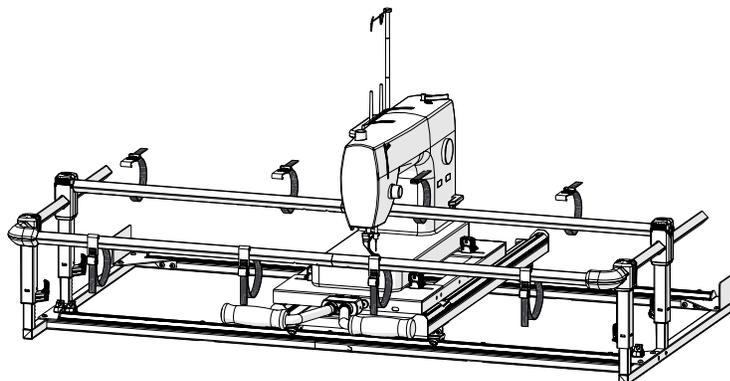


Task 9 - Adjusting the Rails

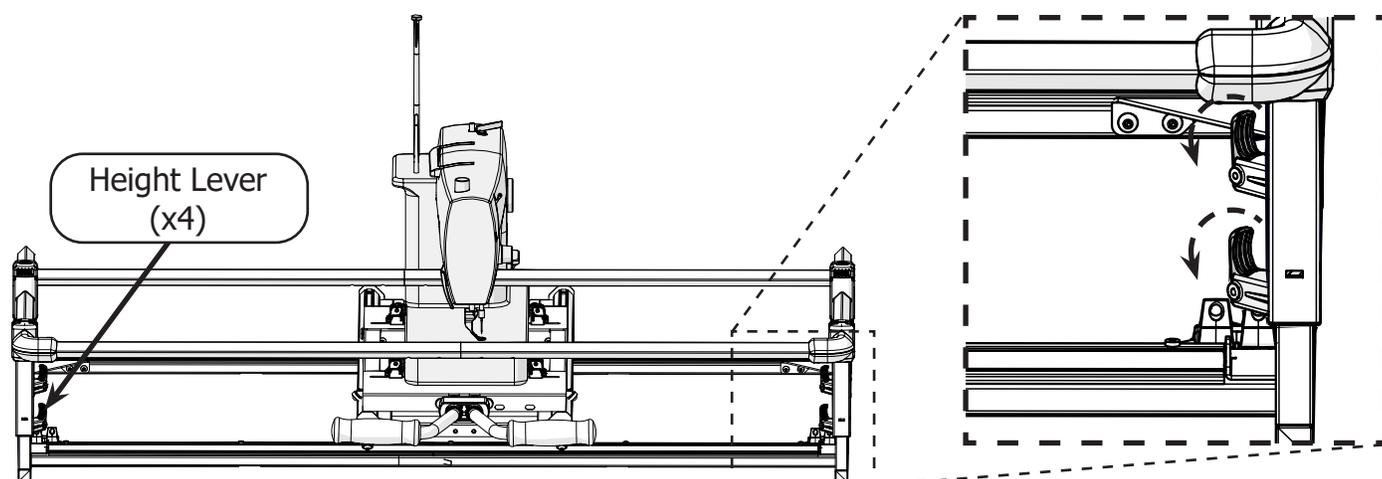
Instructions

The rails must be adjusted to accommodate the size of your quilting or sewing machine.

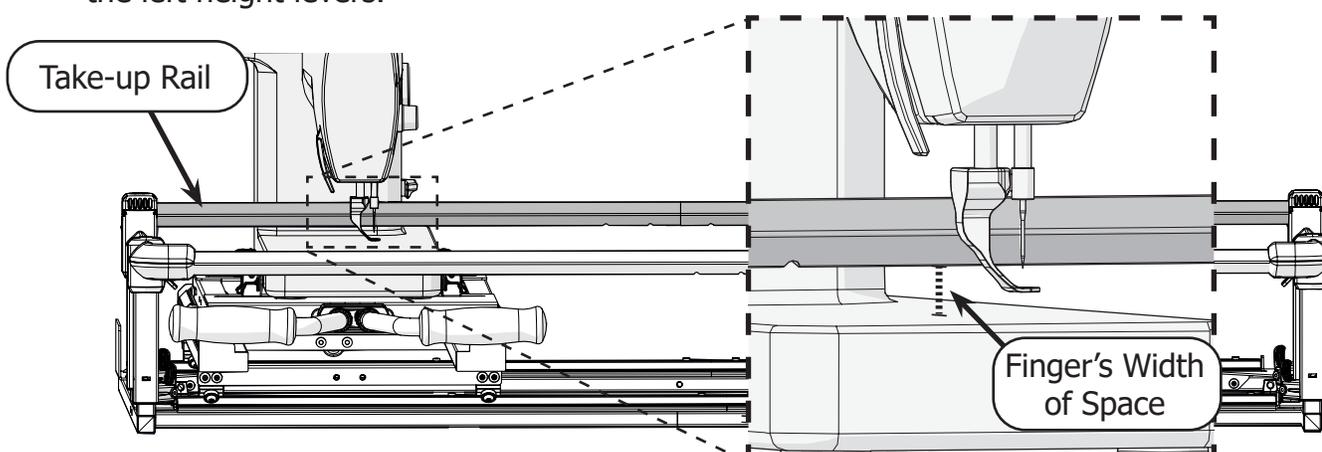
- 1 Ensure the frame is fully assembled and the machine installed.



- 2 Open the **levers** at the base of both side assemblies.



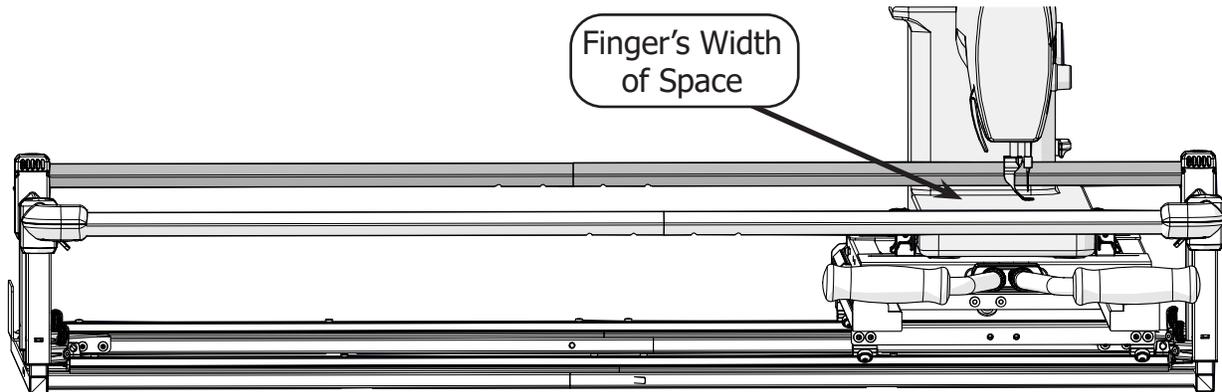
- 3 Slide the machine to the far left of the frame. Set the rail height so there is about a **finger's width of space** between the **take-up rail** and the floor of your sewing machine. Then close the left height levers.



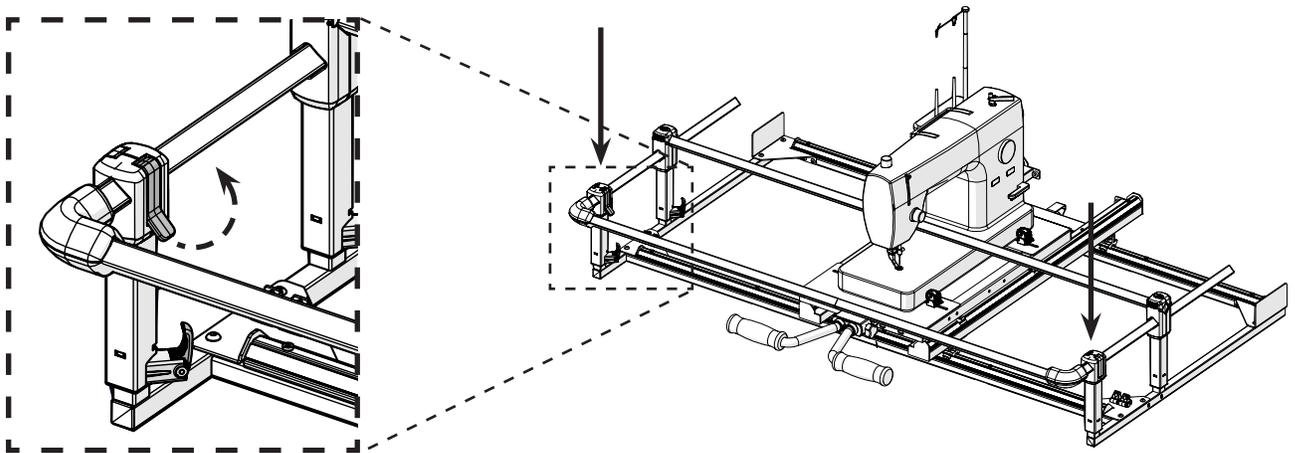
Cutie Frame

Task 9 - Adjusting the Rails (Continued)

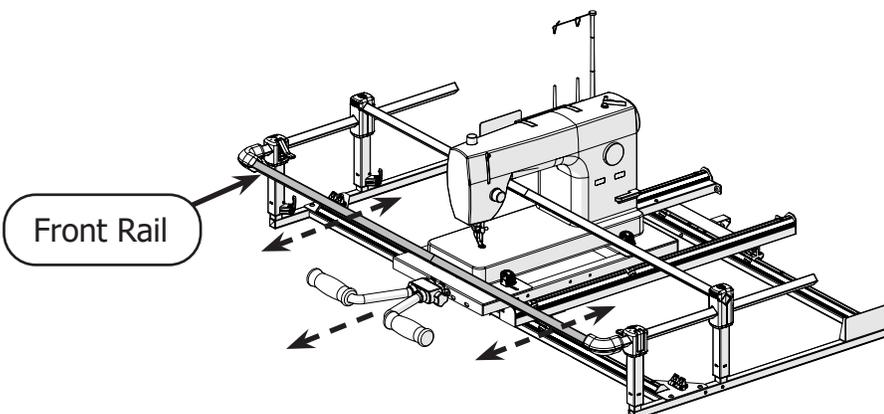
- 4 Slide the machine to the far right of the frame and repeat the previous step for this side of the frame.



- 5 The front rail can be extended to accommodate machine throats of varying lengths. Loosen the knobs under the take-up rail.



- 6 Pull your top plate or quilting machine as far forward as possible. If your machine hits the front rail, extend out the **front rail** to create about an inch of space between it and the machine. Close the levers when satisfied. **Tip:** Slide the machine from one side to the other to check that everything is square.



Note:

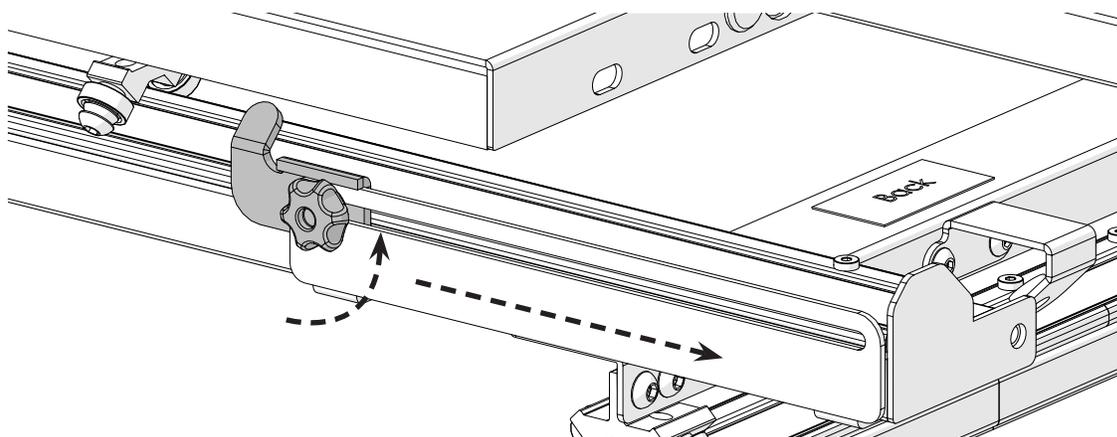
- When fabric is loaded onto the front rail, additional adjustment may be needed.
- If you are using a quilting machine with an accessory ruler base, provide an additional half-inch of space between the front rail and machine.

Task 10 - Adjusting the Carriage Stop Bracket

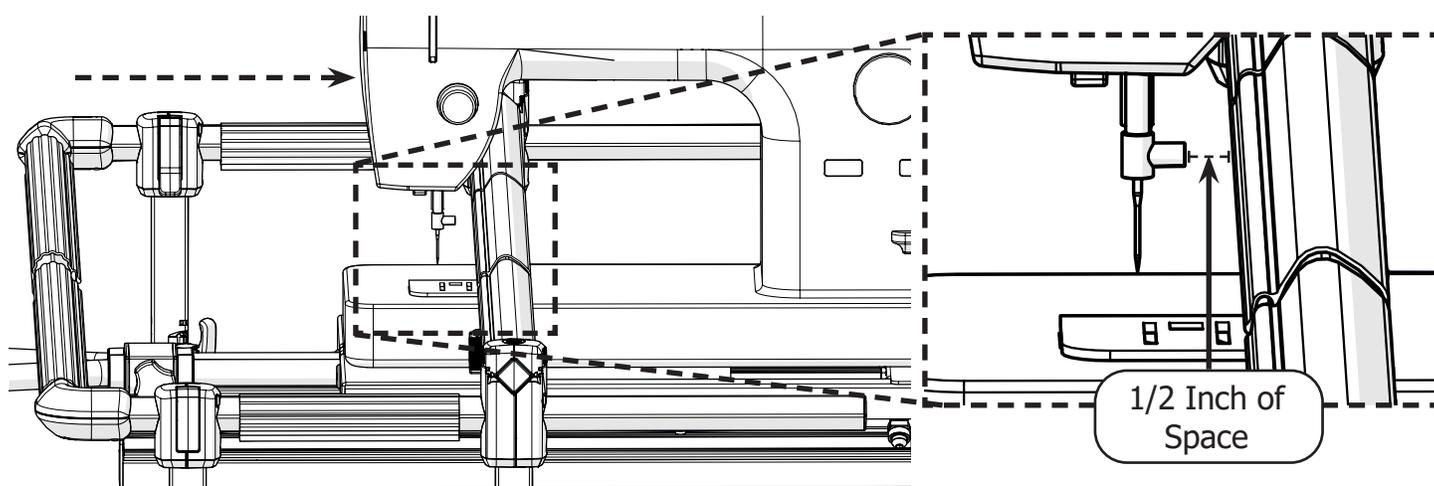
Instructions

Follow these steps to adjust the carriage stop to prevent your machine from hitting the take-up rail.

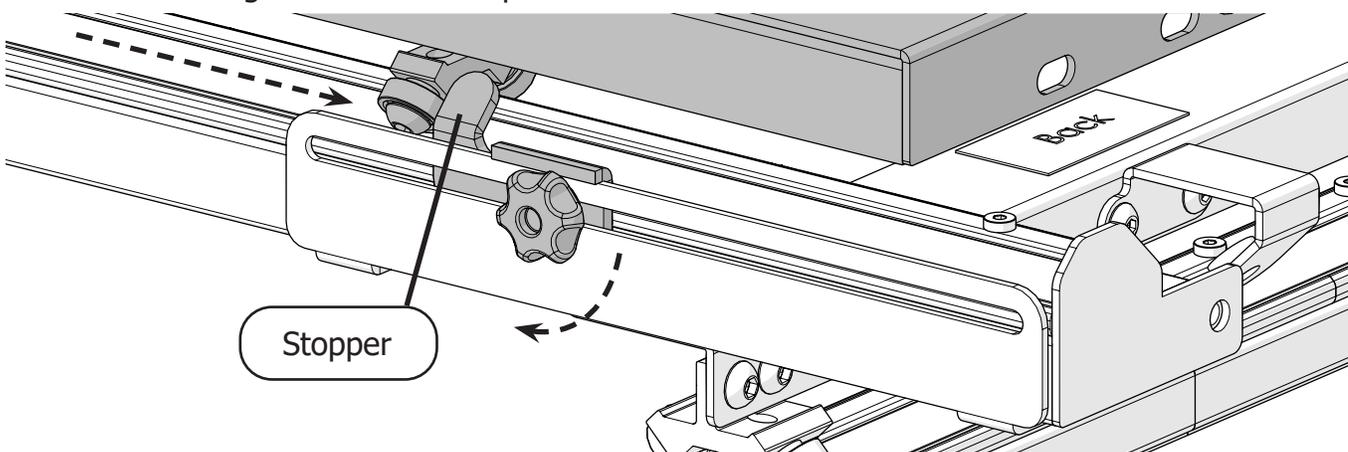
- 1 Loosen the knob on the carriage stop bracket by turning it counter clockwise and then slide the knob and stopper towards the rear of the bracket.



- 2 Slide the machine back until there is about half an inch of space between the needle and the take-up rail.



- 3 Hold the machine in place to keep the half-inch distance between the needle and take-up rail. Slide the **stopper** along the bracket until it rests against the wheel of your top plate or machine. Tighten the knob in place.

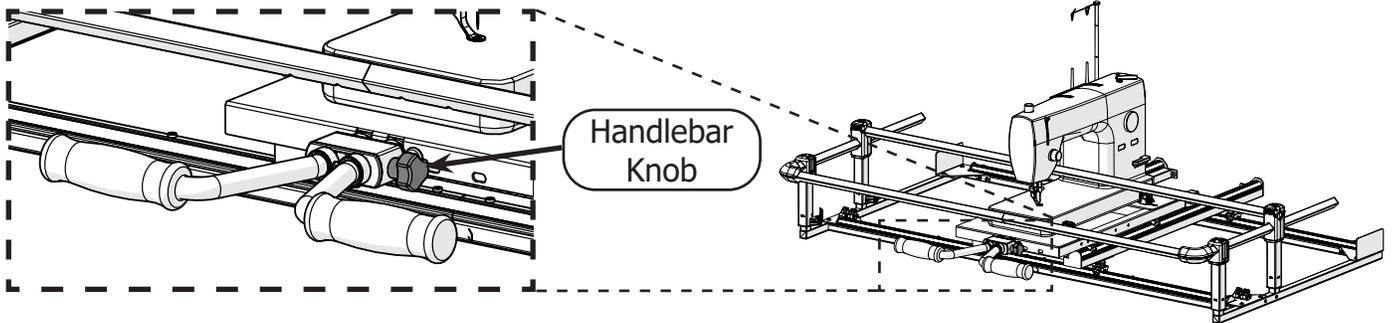


Task 11 - Adjusting the Top Plate Handles

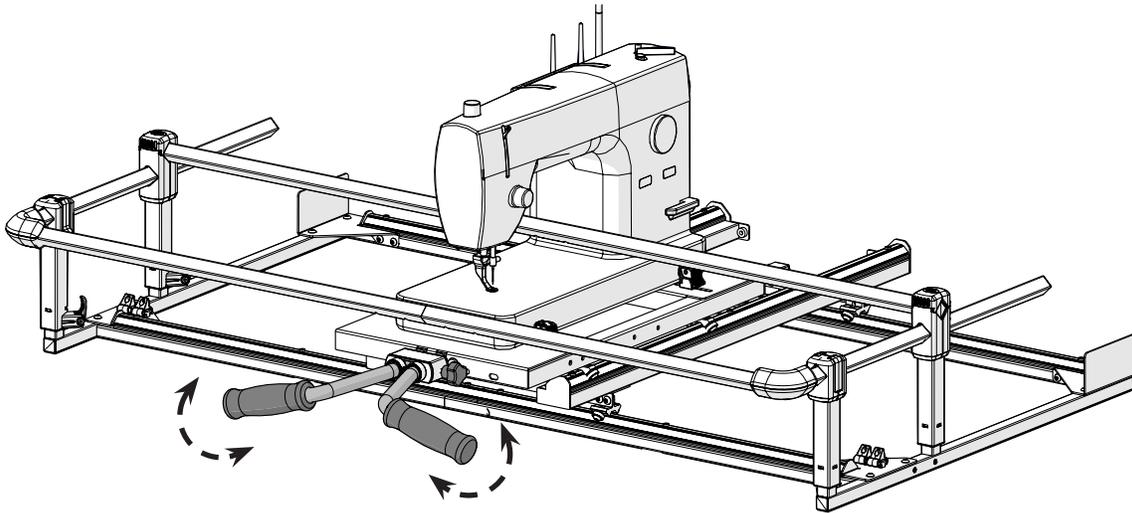
Instructions

Comfort is critical when working at a frame, especially for long periods of time. Take the following steps to adjust the top plate handles to suit your needs.

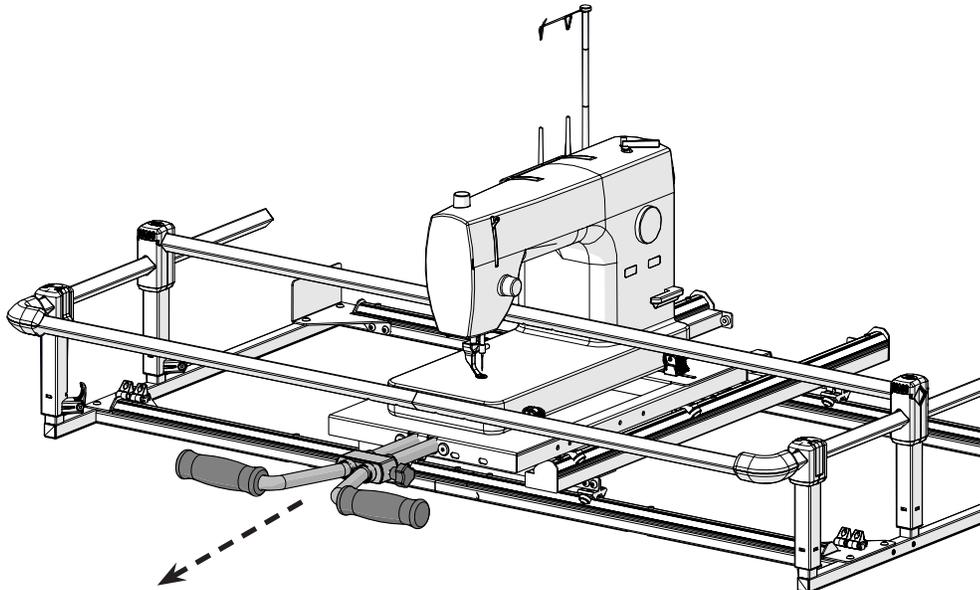
- 1 Loosen the **handlebar knob**.



- 2 Rotate the handles to a comfortable position.

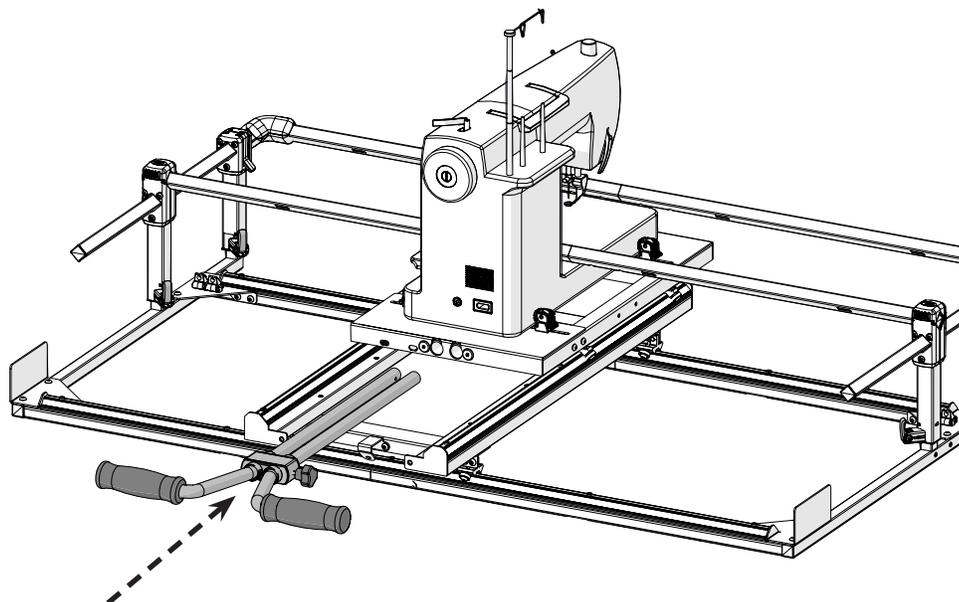


- 3 The handles can also be extended out for a better reach. Tighten the handlebar knob when finished.



Task 11 - Adjusting the Top Plate Handles (Continued)

Note: When using tracing accessories, pull the handles out all the way and install them into the rear of the top plate.

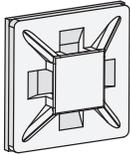


If you are using QuiltMotion automation, follow the steps in "Part 3" of your QuiltMotion instruction manual. Otherwise, proceed to "Part Four" of this instruction manual.

Task 12 - Extending Your Foot Pedal Cable

Parts & Tools Needed:

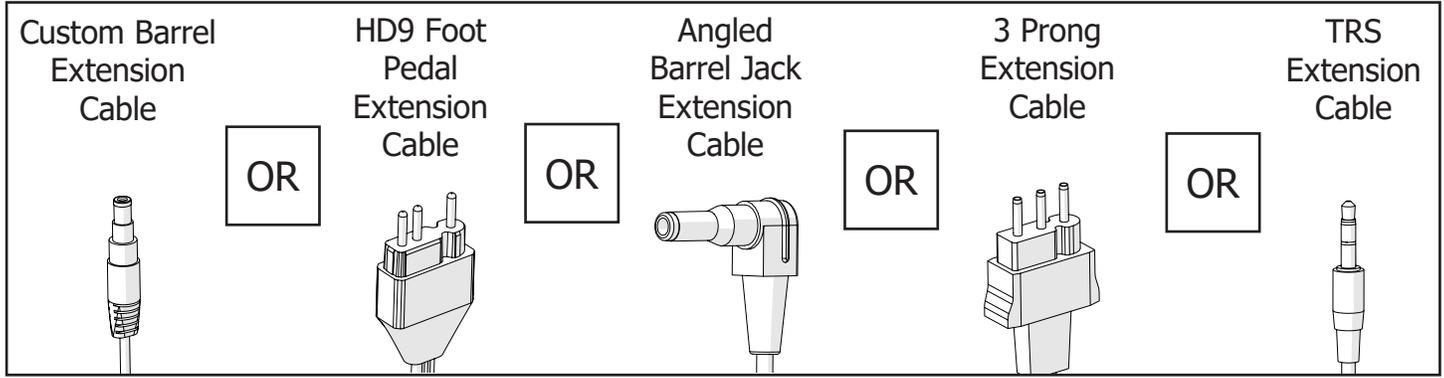
Zip Tie Mount



Zip Tie (x4)



Quilting Machine Users: Skip to the end of this task for instructions on which manual to refer to next.

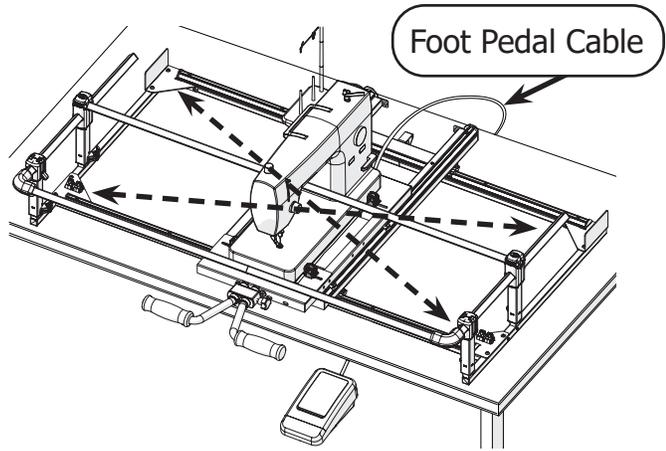


Note: Some machine foot pedal cables may have trouble reaching around wider tables. To increase the compatibility of your frame with different styles of tables and counters, we have provided foot pedal extension cables. **Due to the diversity of sewing machine models in the market, we are not able to provide extension cables for every foot pedal model available.** These are the five most commonly used styles of foot pedal cables.

Instructions

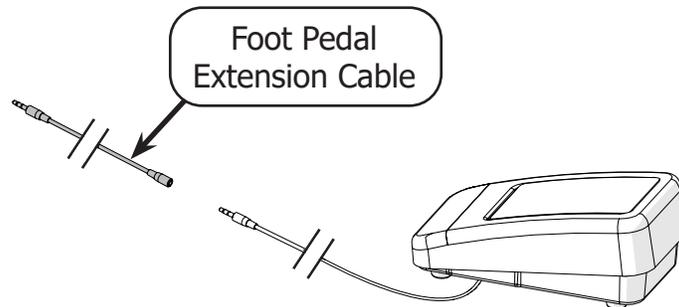
If you find that your foot pedal cable is too short to handle the full motion of the sewing machine on the frame, try the following steps:

- 1 Test if your **foot pedal cable** is long enough to reach the machine and allow for full movement across the frame.
- 2 If it is not long enough, you may benefit from using a **foot pedal extension cable**. Compare your foot pedal cable to the extension cables provided.

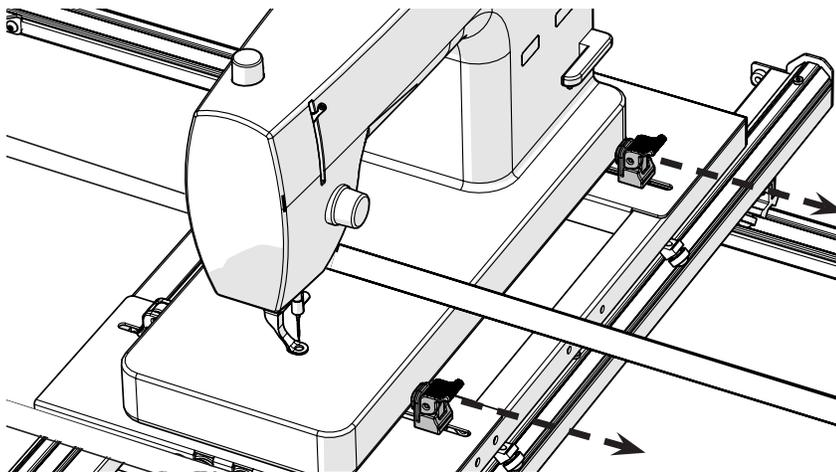


Task 12 - Extending Your Foot Pedal Cable (Continued)

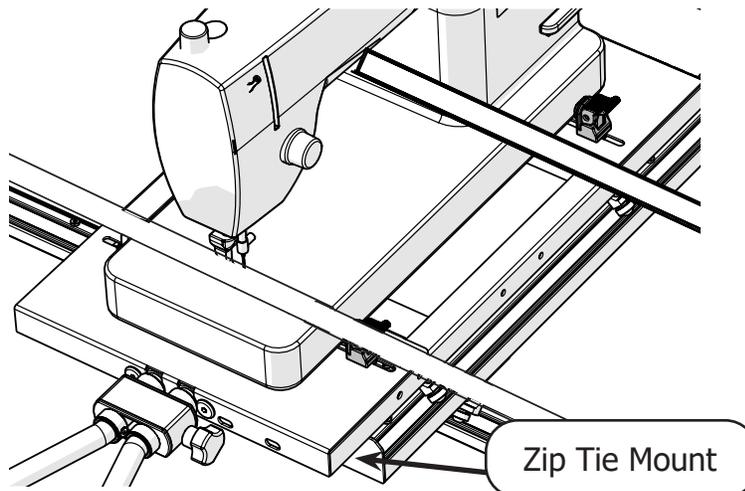
- 3 If there is a match, plug your foot pedal into that extension cable.



- 4 It may also help to run the cable across to the front of the machine. Extend out the machine clamps on one side.



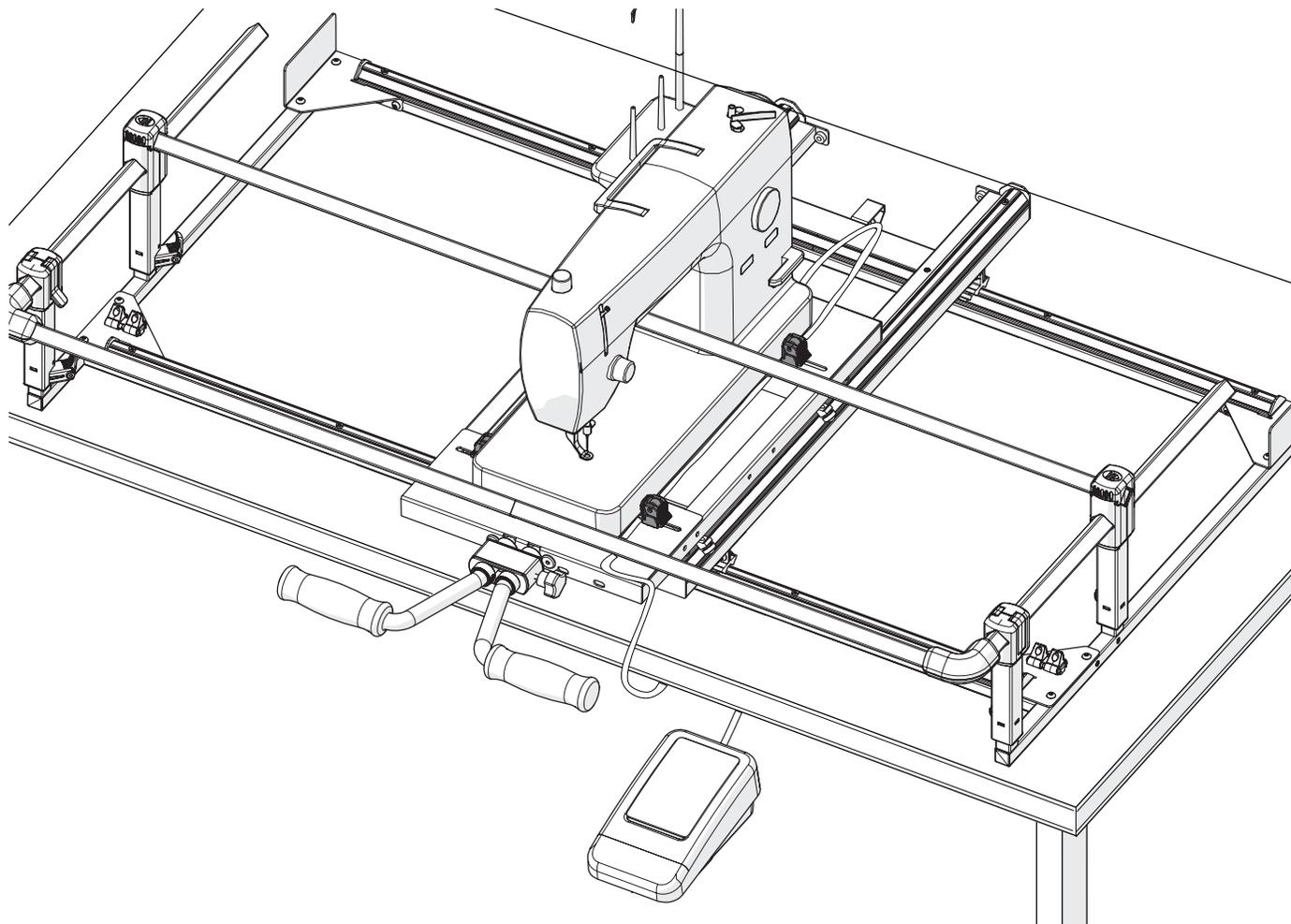
- 5 Attach the adhesive **zip tie mount** to the front of the top plate.



Cutie Frame

Task 12 - Extending Your Foot Pedal Cable (Continued)

- 6 Run the cable between the machine and the machine clamps. Zip-tie it to the Zip-tie mount.



Congratulations! You have completed Part Three of the assembly instructions for your frame. Before continuing to Part Four of these instructions, complete any of the following that apply to you:

- QuiltMotion Part Three.

Part Four

Part Four

Before completing the tasks in part four, please ensure you've completed the applicable items listed below. Some items only apply if you have purchased the item they're describing, and can be skipped otherwise.

Progress Checkpoint

Have you:

- Completed Part Three of QuiltMotion (optional)

Task 13 - Preparing your Quilt 40

Task 14 - Attaching your Quilt 42

Task 15 - Moving your Fabric..... 44

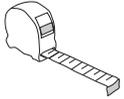
Task 16 - Getting Started 47

Task 13 - Preparing your Quilt

Parts & Tools Needed:



Fabric Marking
Pencil or Chalk



Measuring Tape
or Ruler



Pins

Tip: For first-time assembly, follow these steps with spare pieces of fabric that you can use to practice with before starting an actual quilt. Be sure to use all three layers: quilt top, batting, and backing.

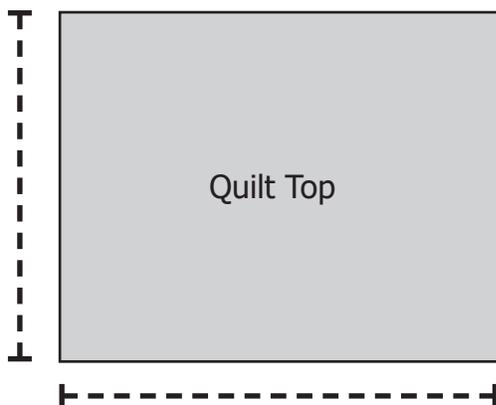
Instructions

The backing and batting help position the quilt top so that it is within reach of the machine on the frame. Take the following steps to cut out the batting and backing, and make a quilt sandwich:

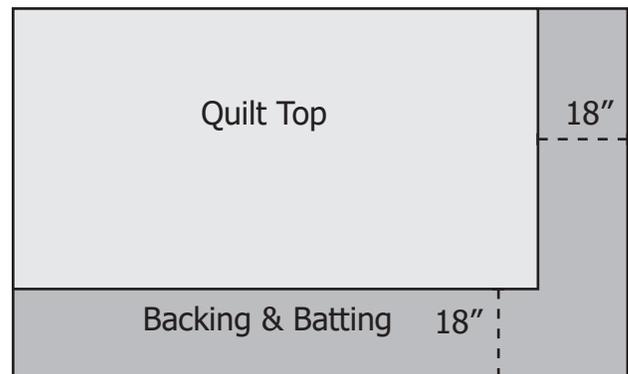
Right Side/Wrong Side: Some fabrics have a front side that has a print or other qualities that the back side does not have, or may look washed out on the back. The front of the fabric is called the "right side." The side that looks washed out or doesn't have the print/texture is called the "wrong side."

Scrim Side: The scrim side is a structural layer on some types of batting. It often feels coarse or pimpled, while the other side feels smooth or "puffy."

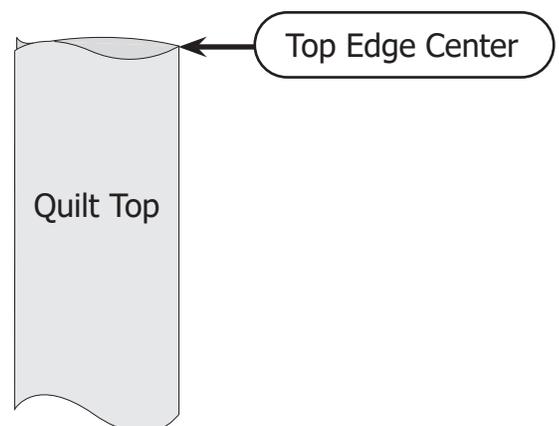
- 1 Measure the length and width of your quilt top.



- 2 Cut out backing fabric and batting that is at least 18" wider and longer than your quilt top. If your quilt top is under 10" in both length and width, make the quilt backing and batting at least 28" wide.

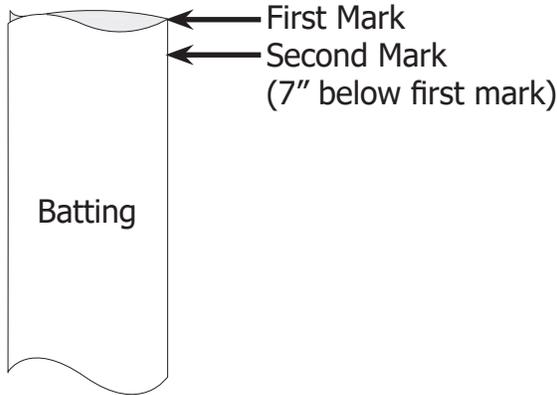


- 3 Fold your **quilt top** in half and mark the **center of the top edge** with a pin or marker on the non-scrim side.

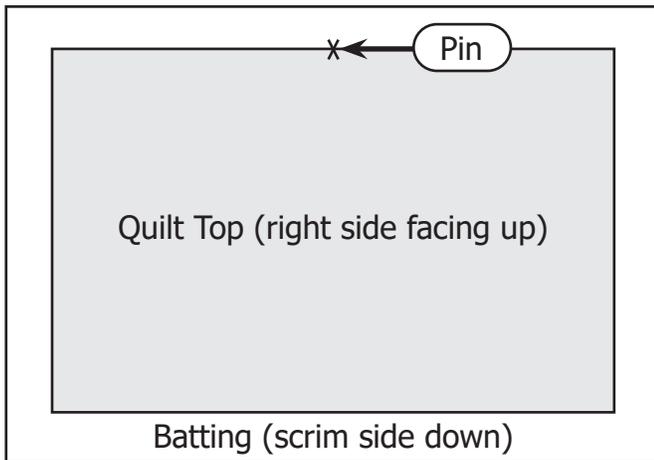


Task 13 - Preparing your Quilt (Continued)

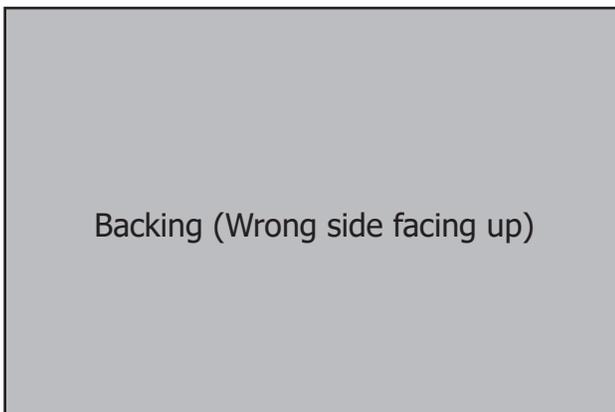
- 4 Fold the **batting** in half and mark the center of the top edge with a pin or marker. Then take a ruler and make a second mark seven inches below the first.



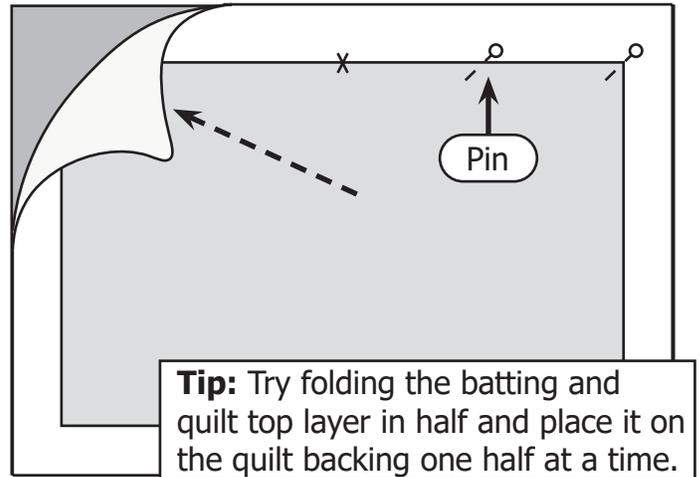
- 5 Align the mark you made on your quilt top with the second mark on the batting. **Pin** the two layers together, so the right side of the quilt top is facing up, and the scrim side of the batting is facing down.



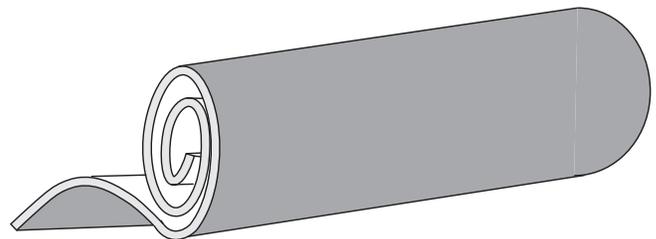
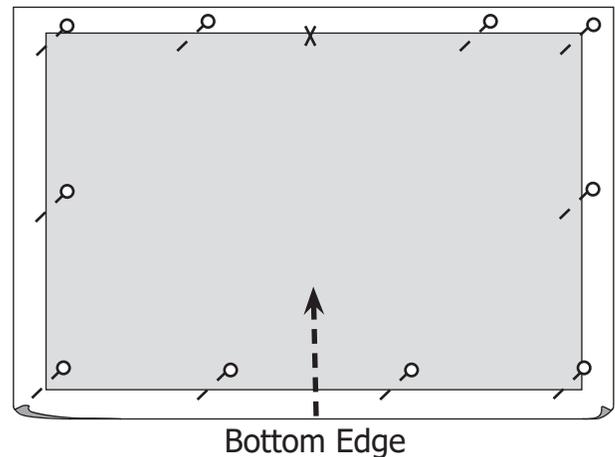
- 6 Lay your quilt **backing** down, wrong side facing up.



- 7 Lay the batting and quilt top over the backing and **pin** the layers together.



- 8 Roll the quilt up from the bottom edge so that you can easily carry it to your frame.



Tip: Accessory cloth leaders can reduce the amount of backing and batting material required in step 2. Visit graceframe.com for details.

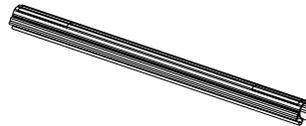
Task 14 - Attaching your Quilt

Parts & Tools Needed:

Fabric Clamp (x3)

Side Fabric Clamp (x2)

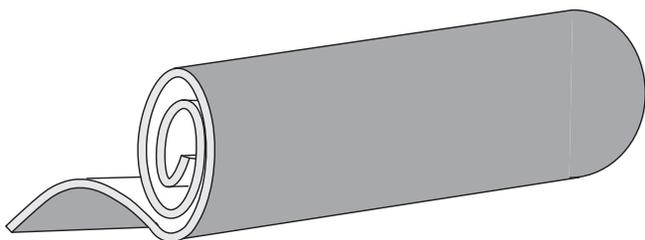
Front Fabric Clamp with Clip (x2)



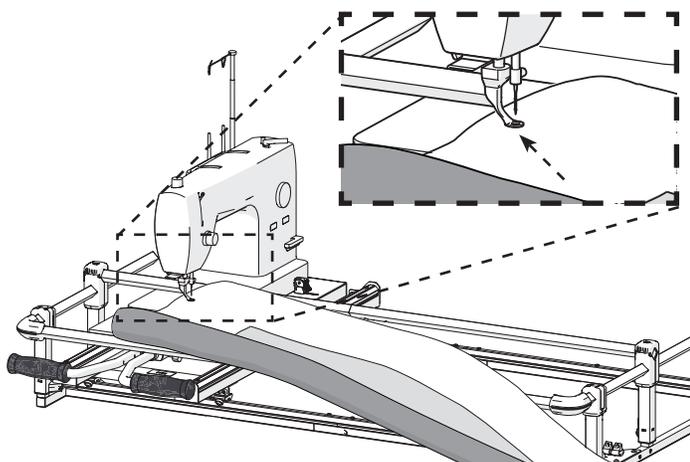
Instructions

Follow these instructions to attach your quilt to the frame:

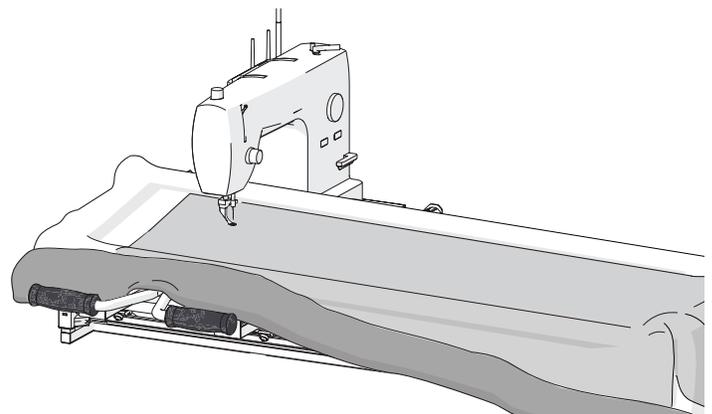
- 1 Carry your rolled up quilt to your frame.



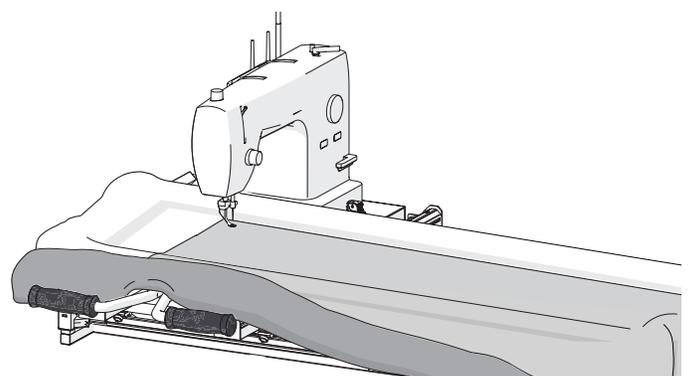
- 2 Raise your needle and hopping foot. Slide the top edge of the quilt under the hopping foot on your sewing machine.



- 3 Pull a sufficient amount of fabric over the rails that the fabric clamps will be able to get a good grip. Square up the edges of your quilt with the frame rails.

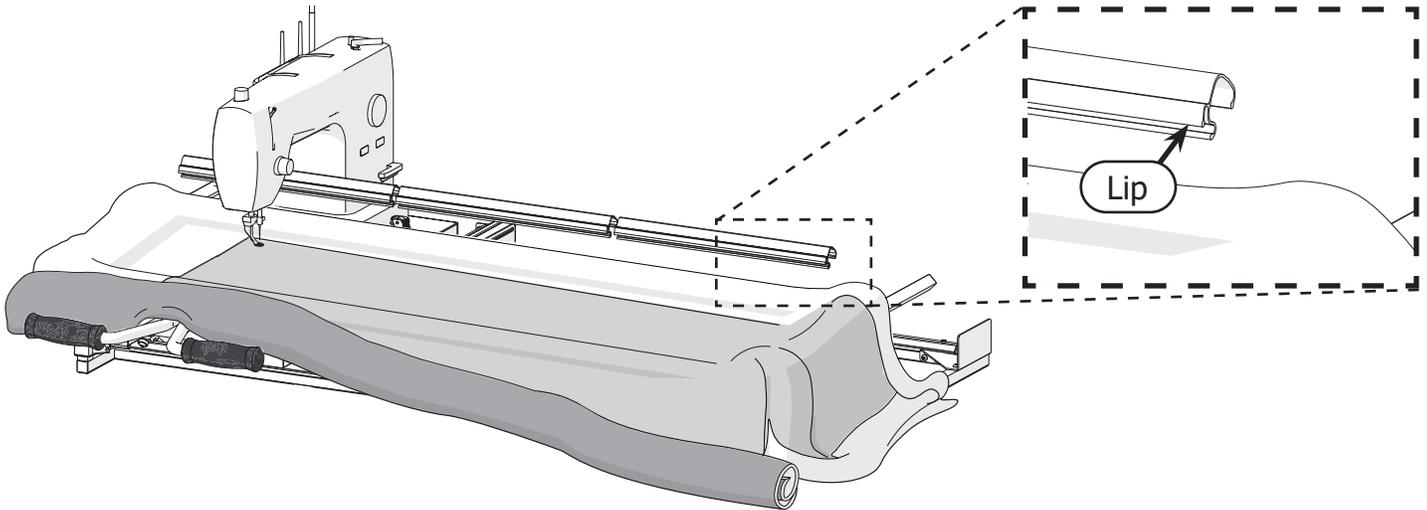


- 4 Move your machine all the way to the back left corner of your frame. If possible, adjust your fabric so the edge of your quilt top lines up with the needle. With most machines, this is about 8 inches from the side rail.

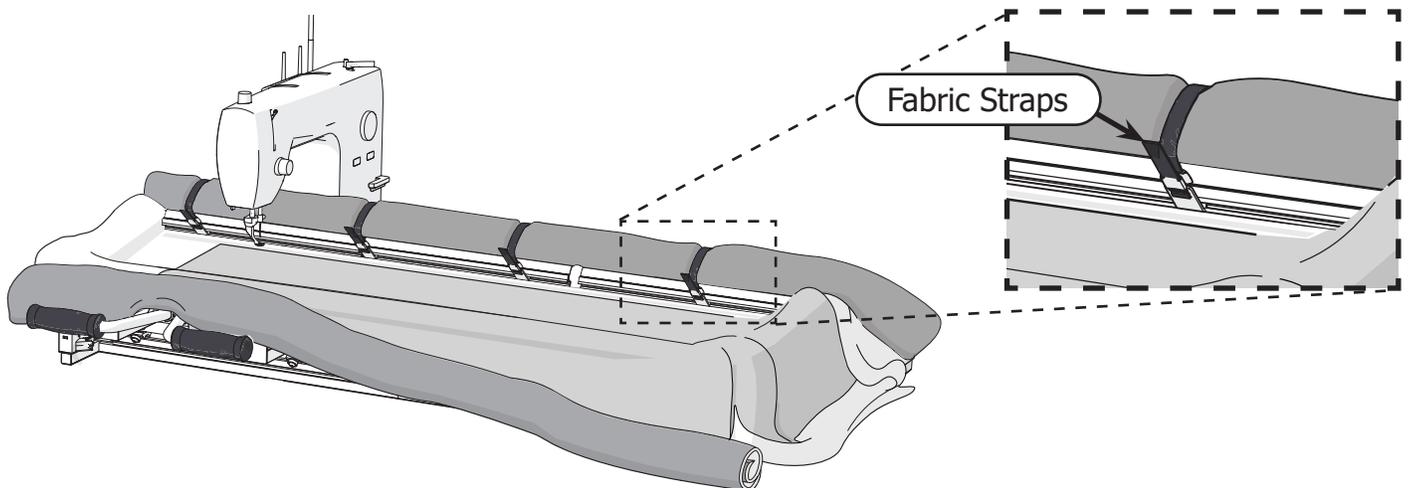


Task 14 - Attaching your Quilt (Continued)

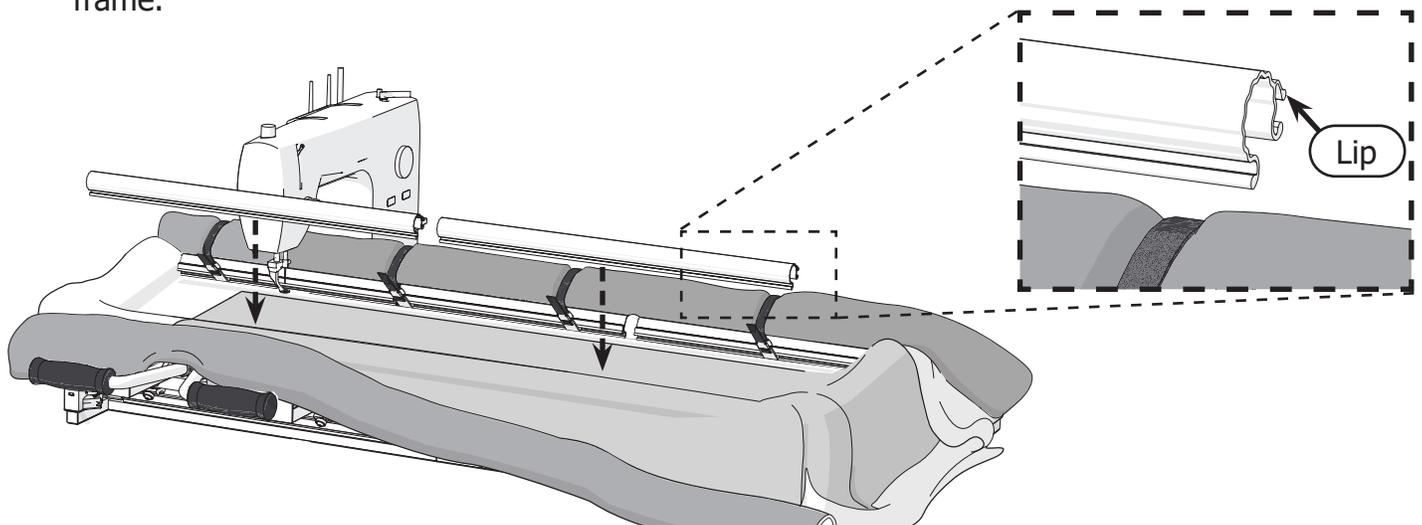
- 5 Press the fabric clamps onto the back rail so that the **lip** of the clamp faces inward on the frame.



- 6 Roll up the edge of your quilt in the throat of the machine. Wrap the roll with the adjustable **fabric straps** and clip the fabric straps to the lip on the clamps.



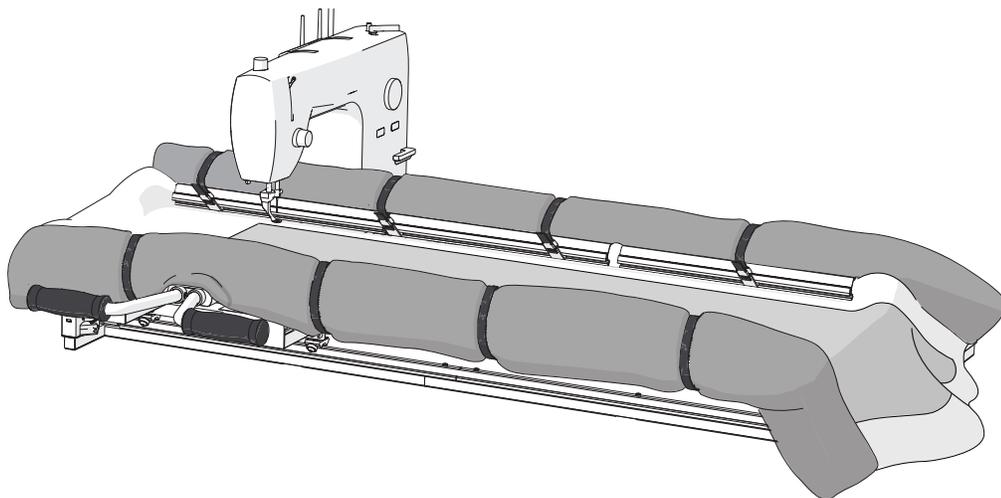
- 7 Press the front fabric clamps onto the front rail so that the **lip** of the clamp faces inward on the frame.



Cutie Frame

Task 14 - Attaching your Quilt (Continued)

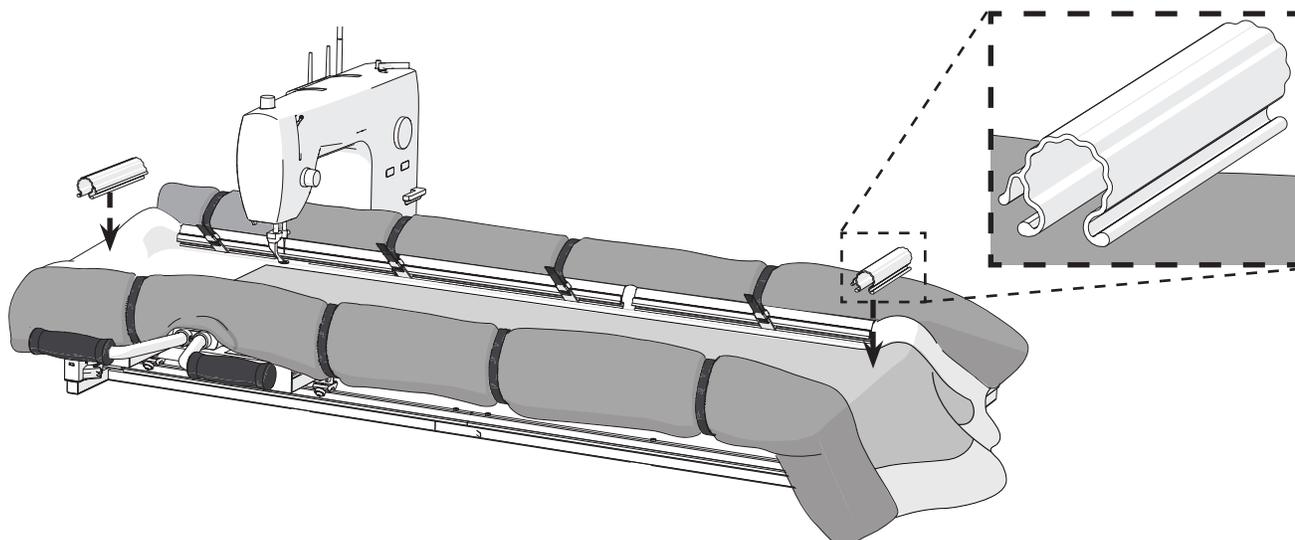
- 8 Roll up the excess fabric at the front of the frame, and fasten in place with the fabric straps.



- 9 After tensioning the straps, tuck the excess into the **plastic clips** on each strap. This prevents accidentally stitching them into the quilt.



- 10 Press the side fabric clamps onto the side rails, with the lip on the clamps pointing inward.



Task 15 - Marking the "Safe Area"

Parts & Tools Needed:



Tape Measure or Ruler (not included)

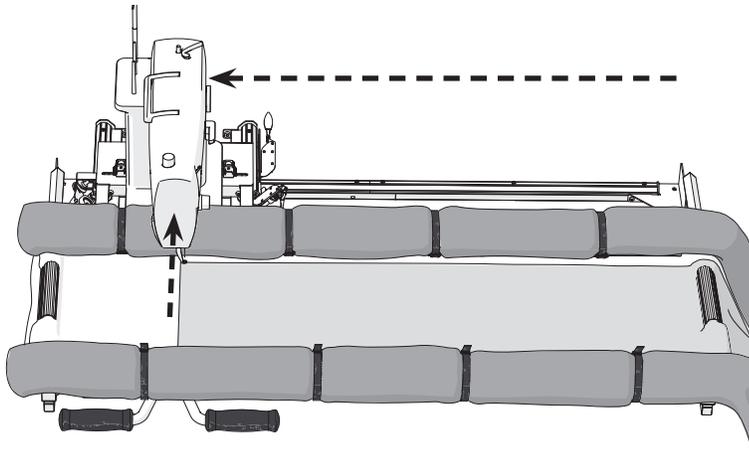


Marking Tool such as Fabric Marker, Chalk, Masking tape, etc (not included).

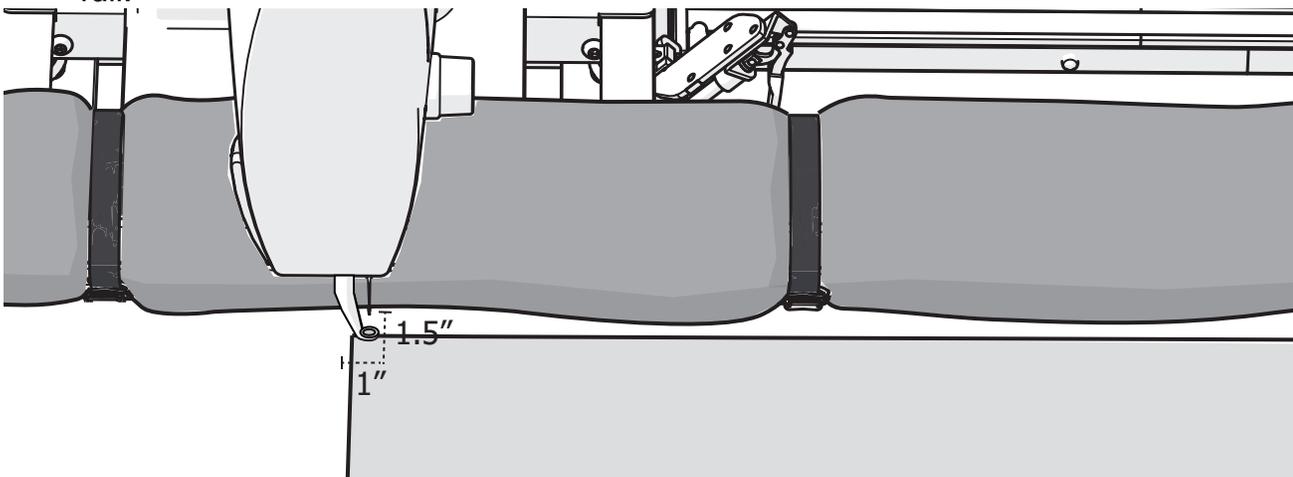
Instructions

Different sewing machines will have different levels of reach over the quilt depending on arm length. When you're first getting used to your frame, it's easy to forget that your machine may not reach all the way to the edge of the frame. To help get an idea of the reach of your machine, it helps to mark out the "safe area" with tape, chalk, or washable fabric marker. The safe area is everywhere within the frame hoop that your machine is able to reach and make stitches in. Take the following steps to mark out your safe area:

- 1 Move your machine to the back left corner of the frame until it can't go any further.



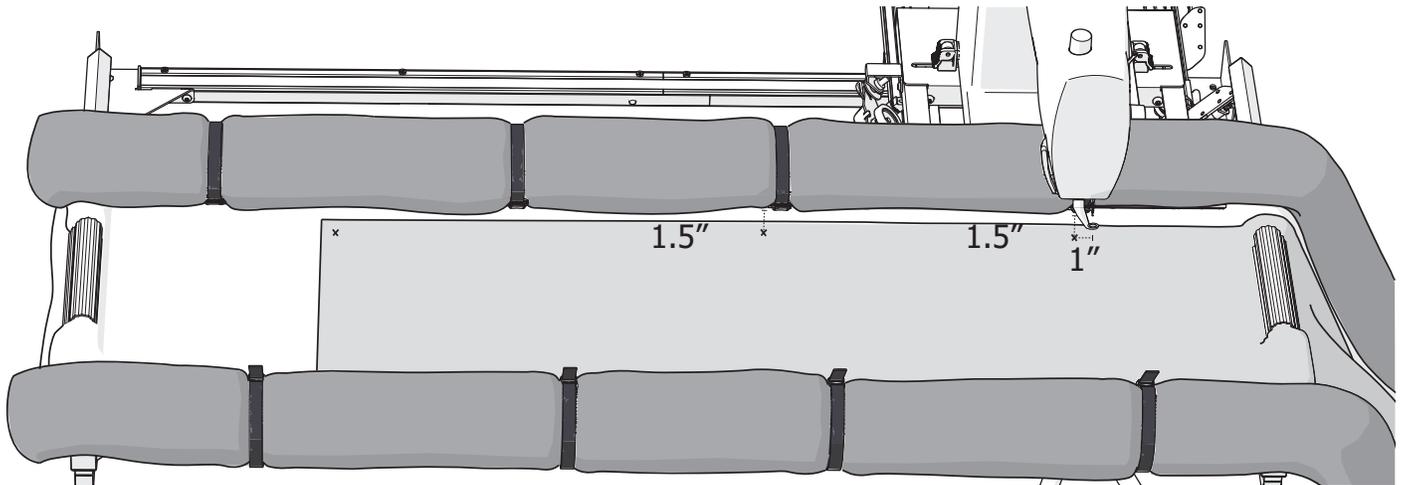
- 2 Mark **1.5 inches** from the rear rail and **1 inch** from the left edge of your machine's reach with your marking tool. Use this guide to remind you how far you can quilt before you risk hitting the rail.



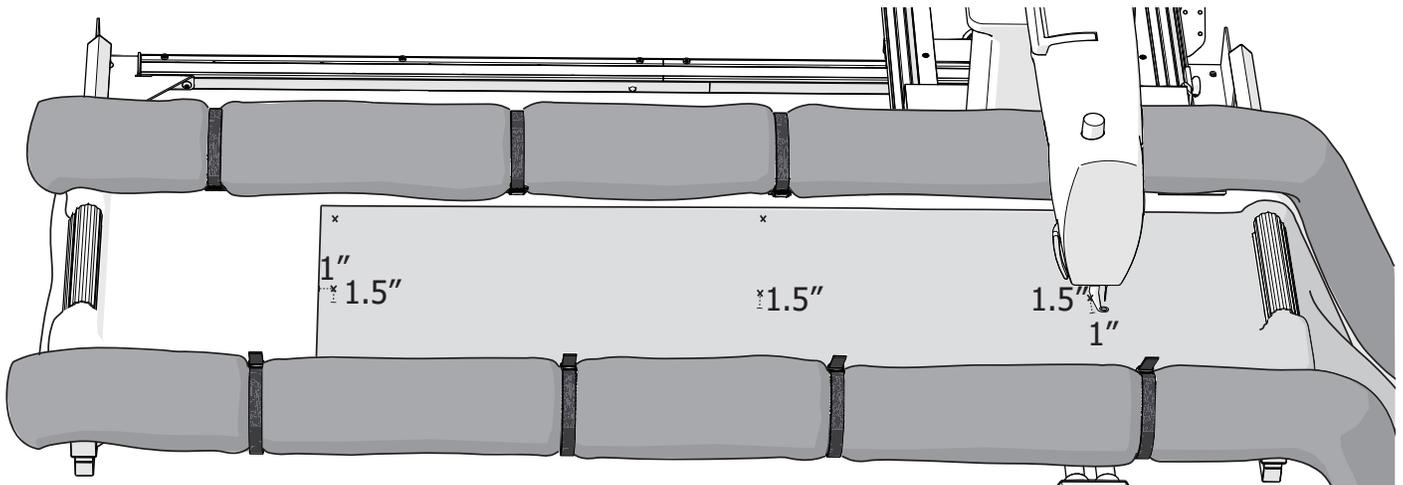
Cutie Frame

Task 15 - Marking the "Safe Area" (Continued)

- 3 Mark **1.5 inches** from the back rail at the center of the frame, and then again at the right corner **1.5 inches** from the back rail and **1 inch** from the right edge of the machine's reach.



- 4 Repeat the process for the most forward reach of the machine. Place your marks **1.5 inches** from the edge of the machine's reach at the front, and **1 inch** from the edge of the machine's reach on the sides.



- 5 Place new marks each time you move the quilt on the frame. As you grow more comfortable with the size of your machine and frame, you will memorize the boundaries and no longer need to apply marks.

Task 16 - Getting Started

Parts & Tools Needed:



Scissors (not included)

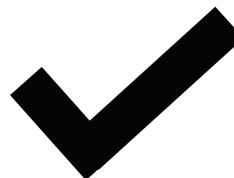
Instructions

With the frame assembled and the fabric attached, you are ready to begin quilting. Practice on spare fabric to become familiar with the machine's settings and movements so you can start your projects with confidence. It is normal to make mistakes, so don't get discouraged if your stitches don't look perfect right away. Follow the steps in this section to get started and you'll be quilting in no time!

- 1 **Relax!** Take a deep breath and don't be afraid to take it slow.

Make sure that the following items have been completed:

- Your machine is in quilting mode (if available).
- You have the right hopping foot.
- Your feed dogs are lowered.
- Your machine is threaded and tensioned.
- Your practice fabric is attached.
- Your presser foot is lowered.



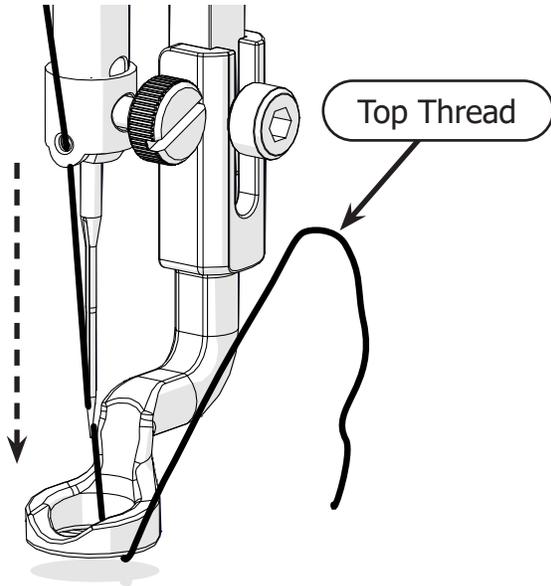
- 2 Before you begin stitching, pull up your bobbin thread to prevent the thread tail from dangling underneath the fabric as you quilt and getting sewn in place.

- a First, position the needle directly above where you want to begin your design.

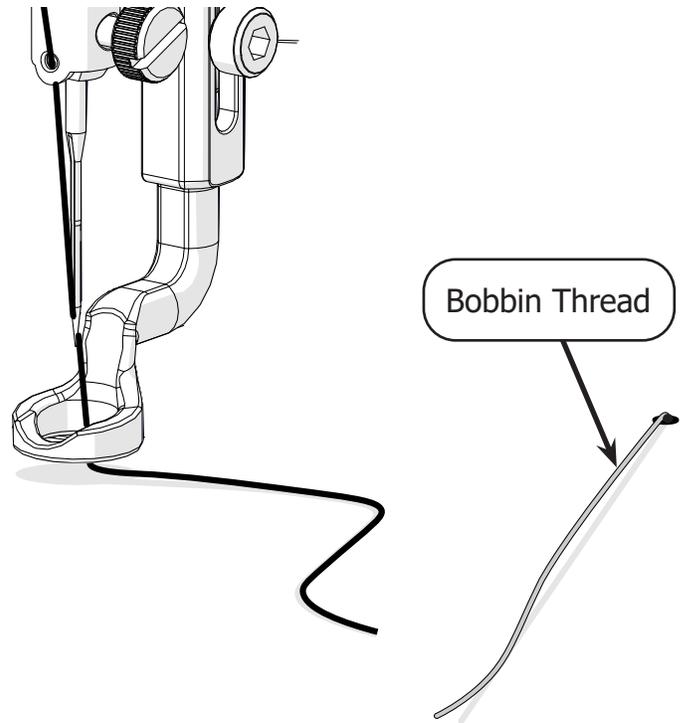
Cutie Frame

Task 16 - Getting Started (Continued)

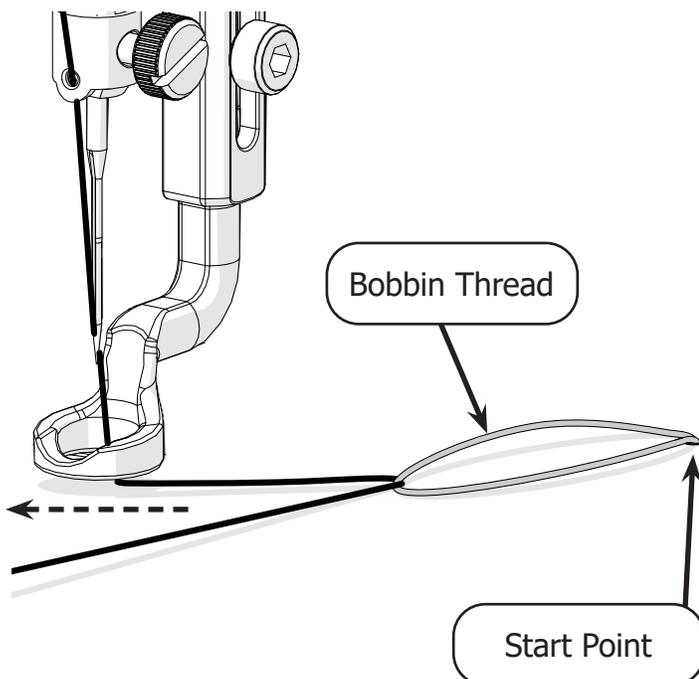
- b Pull on the **top thread** so that it is tight and jog the needle up and down. This may be done with the handwheel or the up/down button, depending on your machine.



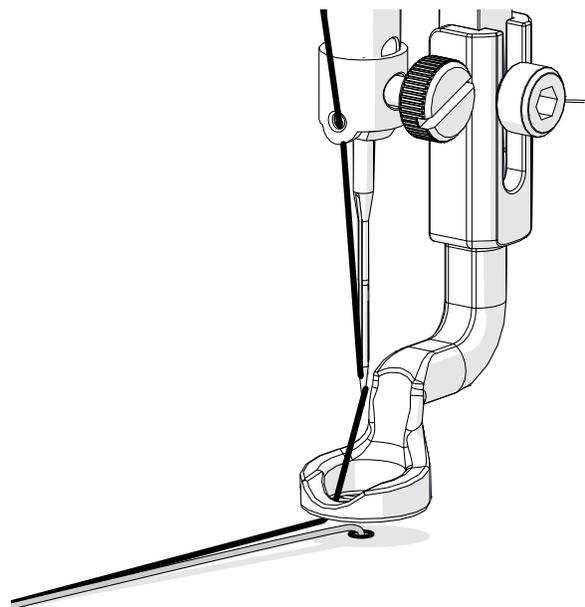
- d Use your finger to pull on the loop of **bobbin thread** until the loose end of the thread comes up from underneath the fabric.



- c While still tightly holding the top thread, move the machine several inches to the side. Your top thread should pull a loop of **bobbin thread** through the **start point** in the top of the fabric.

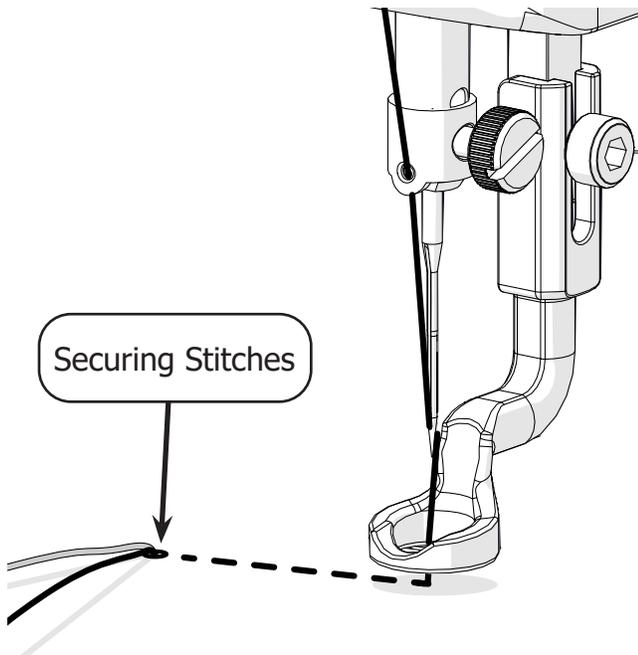


- e Pull on the bobbin thread while moving the machine back to the start point. This makes sure that there is no loose thread underneath the fabric.

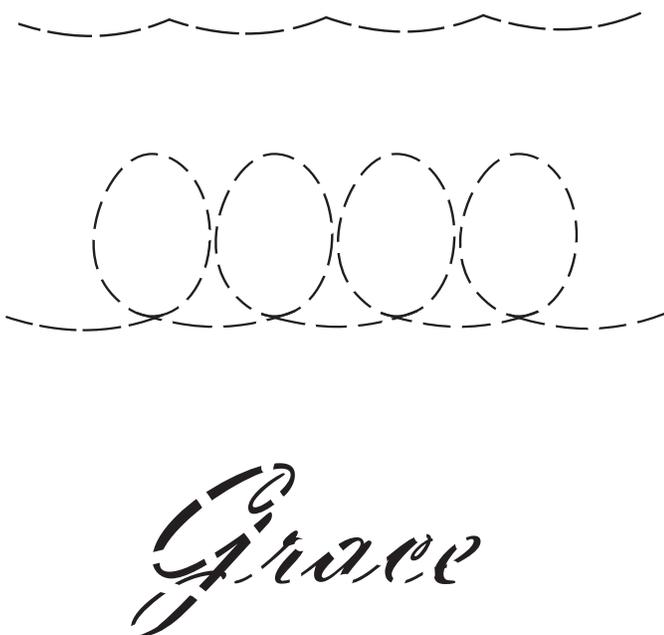


Task 16 - Getting Started (Continued)

- 3 **Secure** your stitches by making three stitches very close together right next to the place where you pulled out the bobbin thread. Then begin stitching.

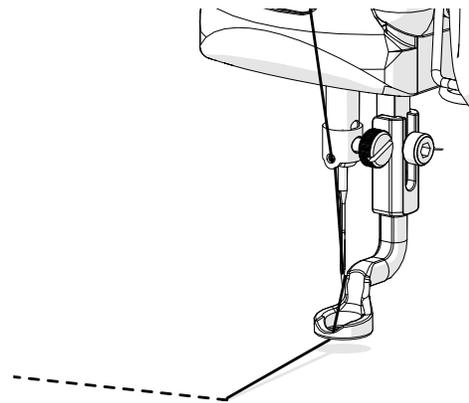


- 4 Practice stitching by drawing a simple design or writing your name on the fabric and then tracing it.

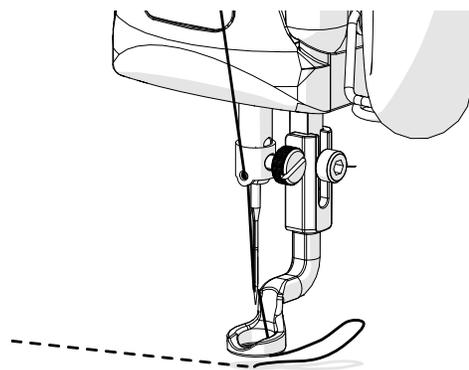


- 5 Complete the design by making a tie-off stitch. Use the up/down button or the machine handwheel to lower and raise your needle a few times. Move your machine slightly for each stitch, but keep them as close together as possible.
- 6 Pull up your bobbin thread after tying off. Take the following steps:

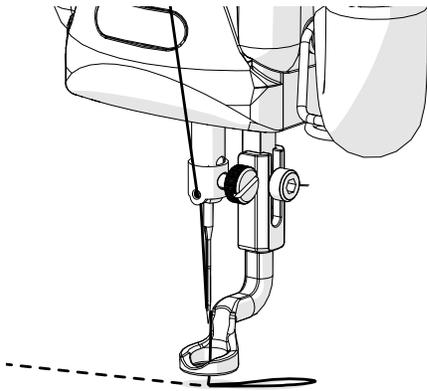
- a Move the machine away from the tie-off stitch.



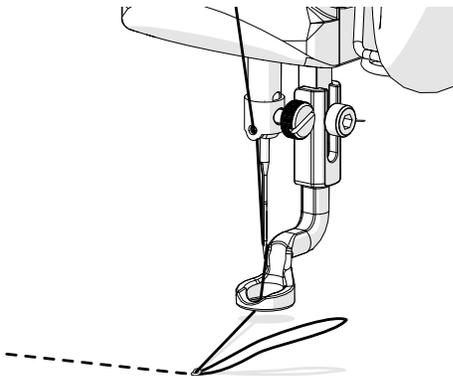
- b Hold the thread to make a loop and return the machine to the tie-off stitch.



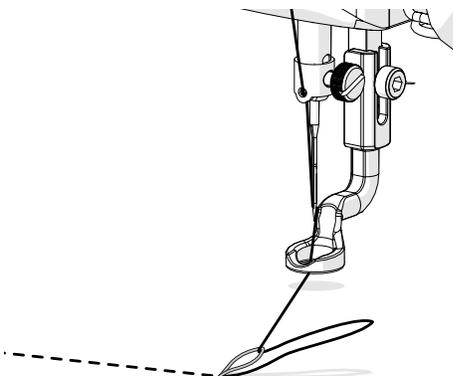
- c) Make a single stitch over the tie-off.



- d) Hold the loop and move the machine away from the tie-off again.



- e) Keep moving away from the tie-off until a loop of bobbin thread is pulled up above the fabric. Cut all threads close to the tie-off.



- 6) You may now cut the thread tails from the beginning of the design. Cut your thread at the tie-off, and move on to your next design.

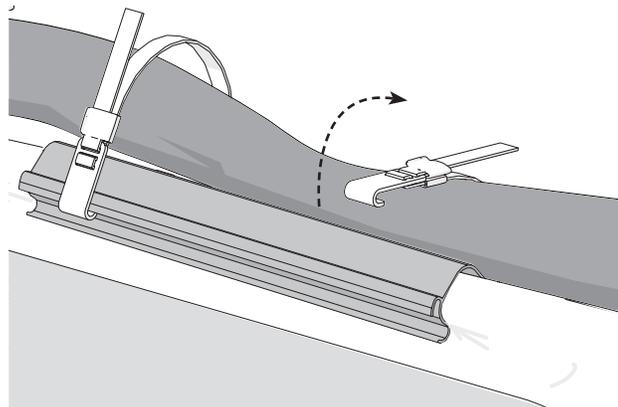
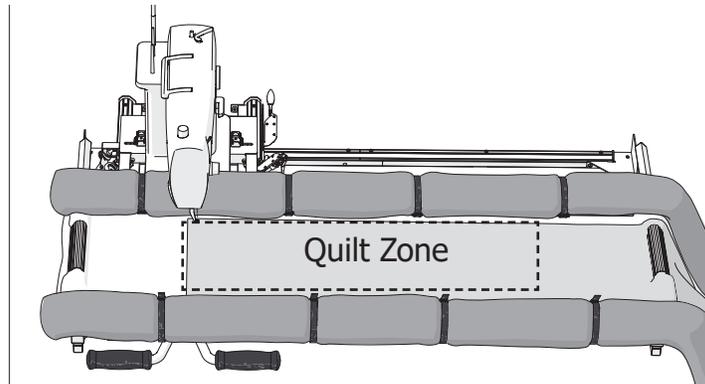
- 7) Practice! Keep trying different stitches until you feel comfortable with how your machine feels and moves. You can always attach a new piece of practice fabric if you need to.

Congratulations! Now that you have practiced and gotten used to the frame and machine, you are ready to begin your quilting journey. If you are using a Q'nique quilting machine, continue to Part Three of your machine instruction manual for more detailed information on specific stitching modes that you can use to create your projects.

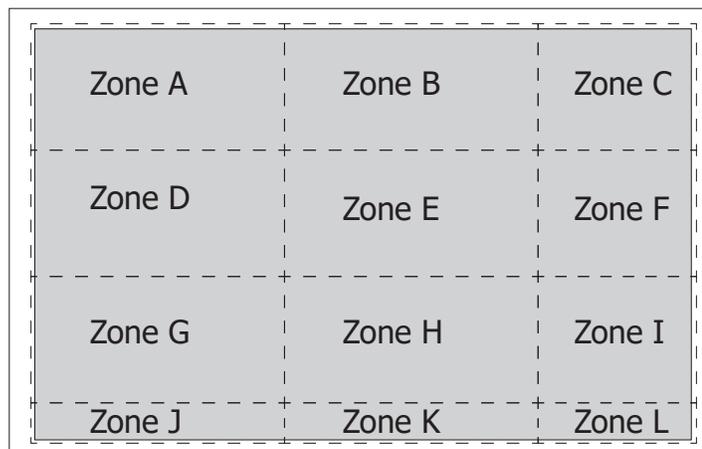
Task 17 - Moving the Fabric

Instructions

Because many quilts are larger than the frame's hoop, it helps to break up the quilt into sections, called "zones" that can be fully quilted before you have to move the quilt to a new zone. Once you've filled up a section of your quilt with stitching, it's time to move to a new zone.



- 2 Slide your quilt across the frame until the next zone of unstitched space is in the quiltable area of the frame's hoop.

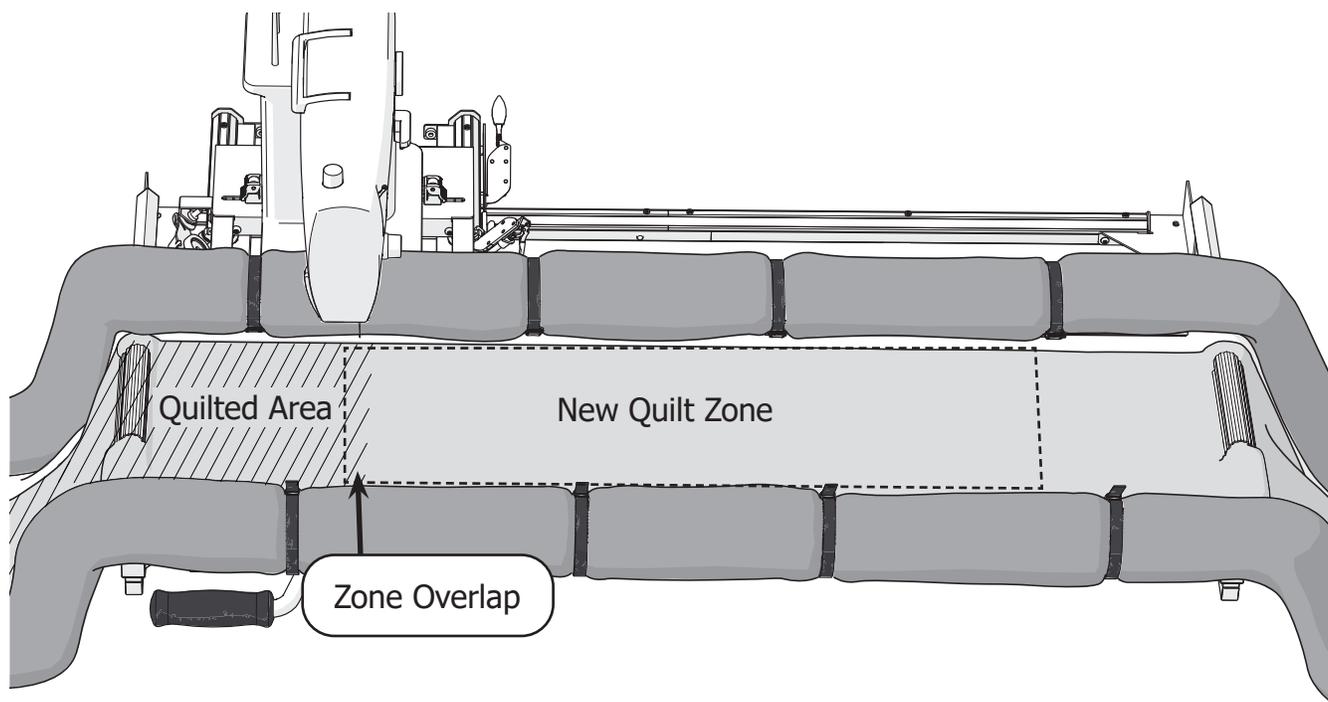


Tip: To ensure that your stitch lines are smooth and seamless from zone to zone, keep about 2 inches of overlap between your zones. This means when you move to a new zone, two inches of the stitched area from the previous zone will be within the quiltable area of the new zone.

Cutie Frame

Task 17 - Moving the Fabric (Continued)

- 3 Replace the fabric clamps and fasten down the quilt rolls with the fabric straps.



Tip: If your quilt has a large **fabric roll** at the front, you can pull the roll forward so it doesn't block your view.

Tip: To access your machine's bobbin case, move the machine to a corner and carefully pull the edge of your quilt aside.



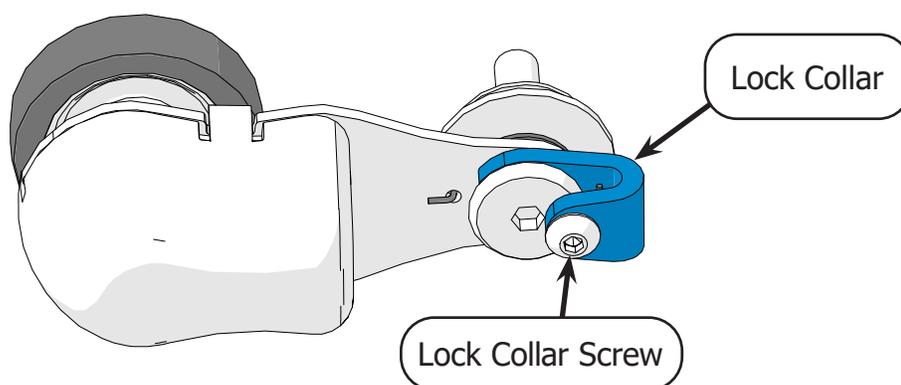
Accessories - Encoder Installation

Instructions

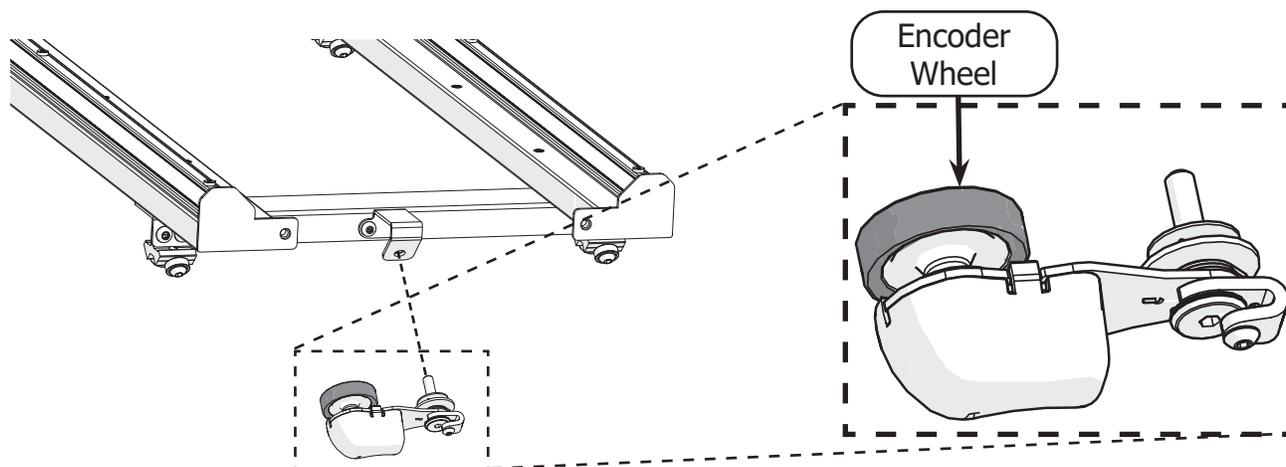
These instructions are optional. Encoders come with the purchase of a wheeled quilting machine or the SureStitch accessory stitch regulator.

Lower Encoder Installation

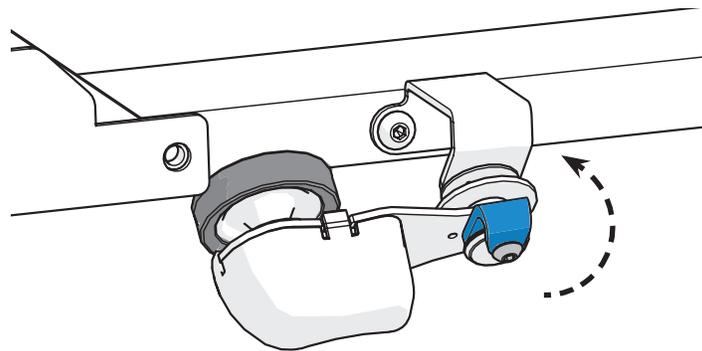
- 1 Loosen the **lock collar screw** on the lower encoder with the 2.5 mm Allen wrench until the **lock collar** turns freely.



- 2 Install the encoder directly onto the encoder bracket at the rear of the carriage so the dark **encoder wheel** is to the left of the bracket. Tighten with the 4 mm Allen wrench.



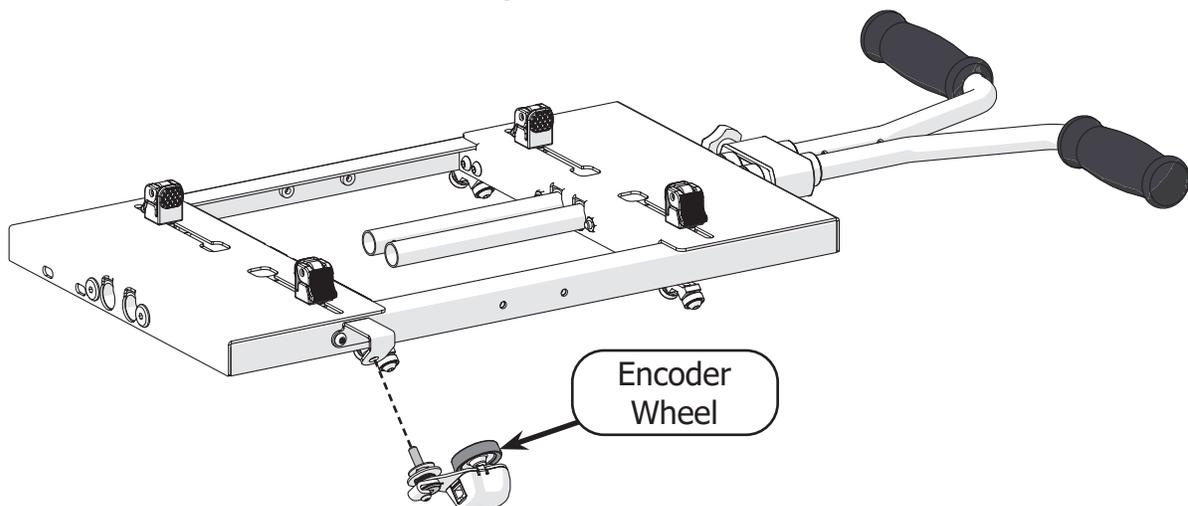
- 3 Turn the encoder **lock collar** to point up. Then tighten the **lock collar screw** with the 2.5 mm Allen wrench.



- 4 The lower encoder is plugged into the lower encoder port on the quilting machine or in the SureStitch control box. See those product manuals for details.

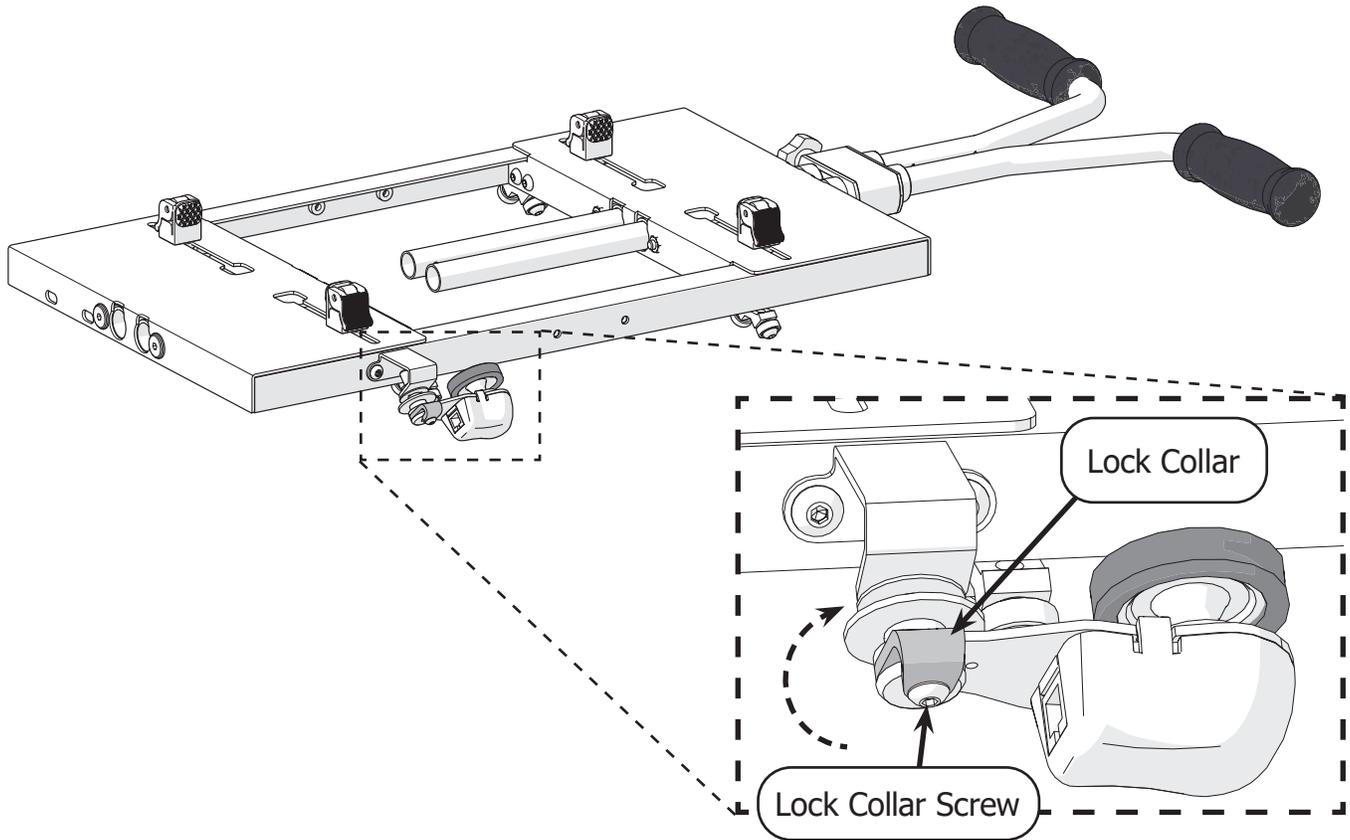
Upper Encoder Installation

- 1 Which setup are you using?
 - If you are using a quilting machine that your encoders came with, please see your machine manual for instructions on installing the upper encoder.
 - If you are using the Cutie frame top plate and a domestic sewing machine, the encoder is installed onto your top plate.
- 2 Install the upper encoder directly onto the top plate encoder bracket so the dark **encoder wheel** is to the front of the bracket. Tighten with the 4 mm Allen wrench.



Accessories - Encoder Installation

- 3 Turn the lock collar to point up and tighten the lock collar screw with the 2.5 mm Allen wrench.



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

