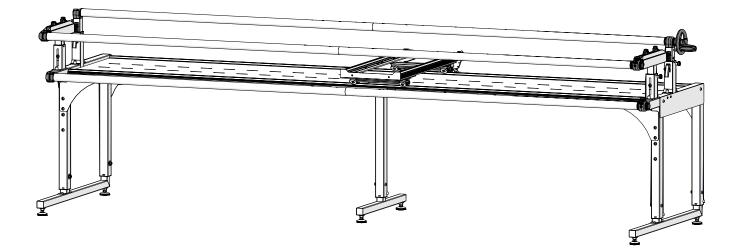
Continuum II

Assembly & Use



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#### 

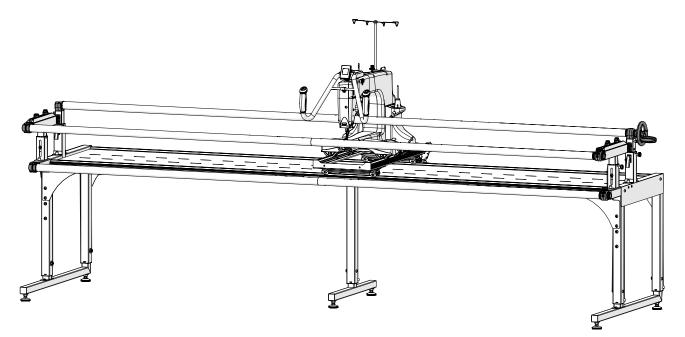
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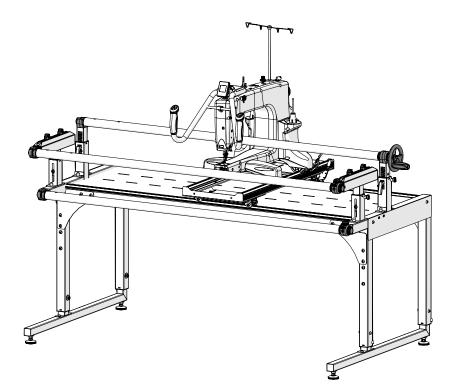
### Frame Specifications

Your frame can be set up as a full-sized frame (8 feet or 10 feet, depending upon your model), or a half-sized "crib" frame (4 feet or 5 feet). Please provide at least 3 feet of clearance around the front, back, and right side of the frame.

#### **Full Assembly:**



#### **Crib Assembly:**



## Included Parts & Tools

Please make sure all pieces are included in your kit.

# Box 1



**Left Leg** CII-09-14616 See page 10, 41



**Right Leg** CII-09-14617 See page 10, 41



Middle Leg CII-09-14619 See page 10



Front Rail Arm (Non-Ratcheting) CII-09-14627

CII-09-14627 See page 20, 48



**Corner Leg Brace (x4)** CII-04-14503 See page 12, 43



Three-arm Handwheel Knob

PLA-05-14600 See page 31, 58

**Front Rail Arm** 

(Ratcheting)

CII-09-14626

See page 20, 48

Middle Leg

Brace (x2)

CII-04-14504

See page 12

**Handwheel Coupler** 

PLA-05-10926

See page 31, 58



Take-Up Rail Arm (Non-Ratcheting)

CII-09-14622 See page 20, 48



Take-Up Rail Arm (Ratcheting)

CII-09-14623 See page 20, 48



Handwheel

PLA-05-11550 See page 31, 58



**Track Support** Connector (x2) CNT-04-11041 See page 17

See page 31, 58

Handwheel Knob

PLA-05-11551

|--|

Bungee Clamp (x4)

ACC-01-10261 See page 32

# Inner Box

5



Allen Wrench 3 mm

HDW-03-10166



Allen Wrench 5 mm

HDW-03-10741

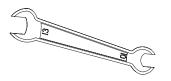


Allen Wrench 6 mm

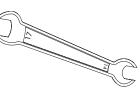
HDW-03-10742



T-Handle Allen Wrench 4 mm HDW-03-10167



**Open-end Wrench 10 mm & 13 mm** HDW-03-10743



Open-end Wrench 14 mm & 17 mm

HDW-03-12347



M10 Washer

HDW-03-10952 See page 31, 58



**Set Screw** M6 x 6 mm (x8)

HDW-03-10037 See page 17



**SBHCS Screw M8 x 16 mm (x36)** HDW-03-10951

See page 12, 43

SBHCS Screw M8 x 55 mm (x8)

HDW-03-10726 See page 20, 48



Shoulder Bolt M8 x 85 mm SHCS

HDW-03-11195 See page 31, 58 **NOTE:** Some parts will come in one of two sizes, depending on the frame. **You will only receive** <u>one size</u> of these parts.

### Box 2



Long Plastic Track 8 ft or 10 ft (x4) 8 ft: PLA-05-11764

10 ft: PLA-05-10560 See page 17 Table Section 4 ft or 5 ft (x2)

4 ft: CII-09-14631 5 ft: CII-09-14630 See page 12, 43

#### Short Plastic Track (x4)

4 ft: PLA-05-11763 5 ft: PLA-05-11371 See page 46

### Box 3

#### Handwheel Rail 4 ft or 5 ft

4 ft: CII-09-14886 5 ft: CII-09-14887 See page 27, 55

#### Ratchet Rail Section 4ft or 5 ft (x2)

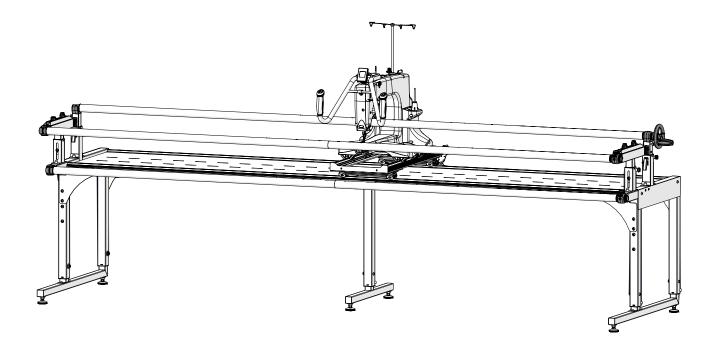
4 ft: CII-09-14636 5 ft: CII-09-14634 See page 27, 55

### **Box 3 Continued**

Non-ratchet Rail Section 4 ft or 5 ft (x3) 4 ft: CII-09-14638 5 ft: CII-09-14635 See page 27, 55 **Rail Coupler (x3)** CNT-08-11865 See page 27 Box 4 Channel Lock (x2) **Channel Lock Bottom Carriage SBHCS Screw** Washer (x2) M6 x 20 mm (x2) CNT-04-11580 ACC-09-13507 CNT-09-13523 HDW-03-10088 See page 21, 49 See page 21, 49 See page 21, 49 See page 21, 49 **Leader Cloth Set** 88": CNT-08-13281 112": ACC-01-10748 See page 35, 62

# **Full Frame Assembly**

This section describes the steps for setting up the full-sized frame. For instructions on the half-sized (crib) setup, see "Crib Frame Assembly" on page 40.



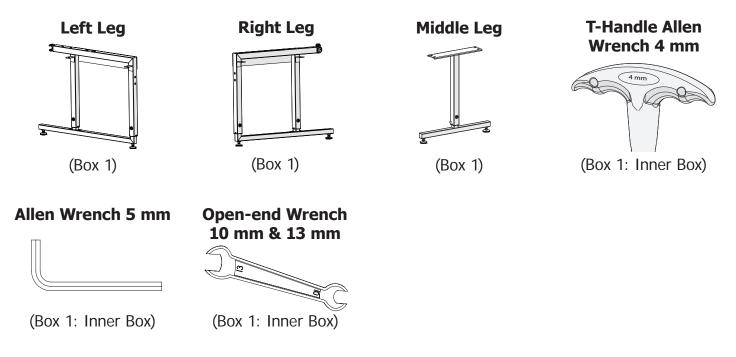
**Tip:** For additional help, scan the QR code below with the camera on your iphone to visit our online support videos!



https://www.graceframe.com/en/resources/support/videos

### Full Frame Assembly Step 1 - Setting the Frame Height

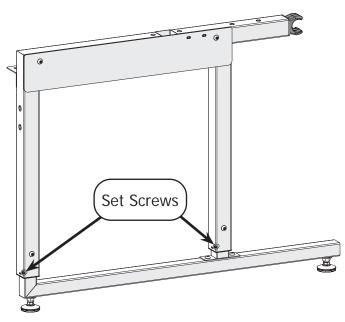
### Parts & Tools Needed:



### Instructions

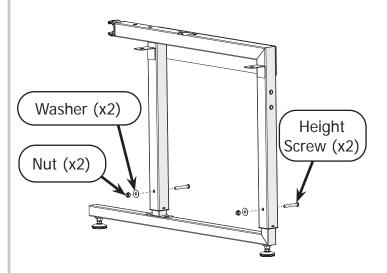
The frame height is most easily adjusted prior to frame assembly. Follow these steps for one leg and then repeat for other two legs. Please take the following steps:

Loosen (do not remove) the **set screws** toward the base of each leg with the 4 mm Allen wrench.



Note: Middle leg has only one set screw.

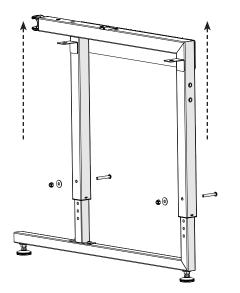
2 Remove the M8 x 55 mm SBHCS height screws, washer, and nut with the 10 mm Open-end wrench and 5 mm Allen wrench.



**Note:** Middle leg has only one nut, washer, and M8 x 55 mm SBHCS height screw.

### Setting the Frame Height (Continued)

3 Raise the top of the leg until the leg is the desired height. Re-install the height screws, washer and nut.



Important: Set all the legs to the same height hole.

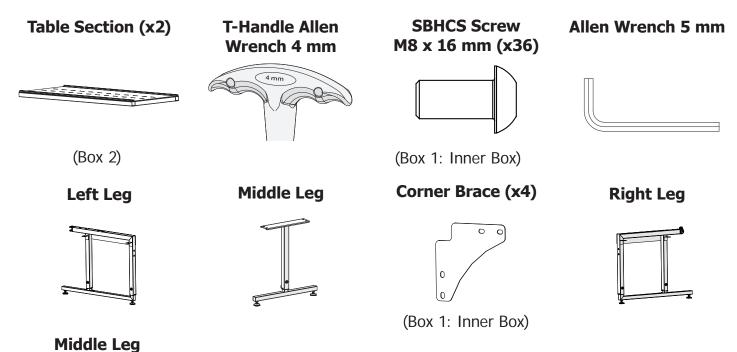
Re-tighten the **set screws** with the 4 mm 4 Allen wrench. The middle leg has only one set screw.

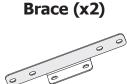


**Note:** Final height may vary slightly after adjusting the leveling feet (see page 25).

### Full Frame Assembly Step 2 - Building the Frame Table

### Parts & Tools Needed:



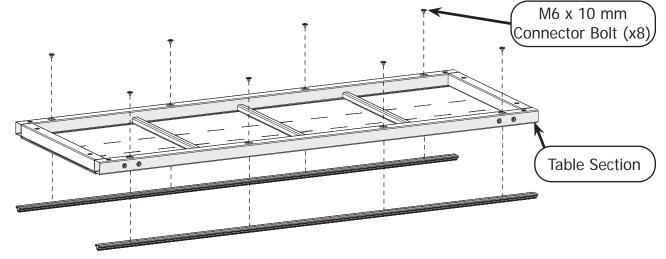


(Box 1: Inner Box)

### Instructions

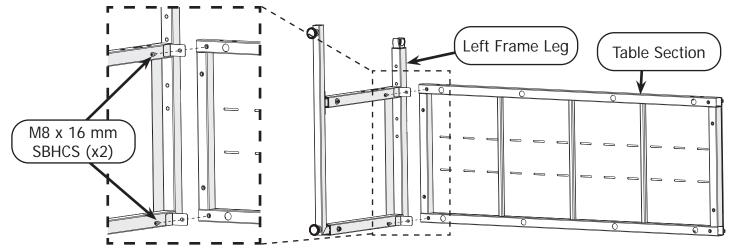
Attach the table tops to the frame legs by taking the following steps:

1 On both table sections: Use the 4 mm T-handle Allen wrench to remove eight M6 x 10 mm connector bolts attaching the metal track extrusions.

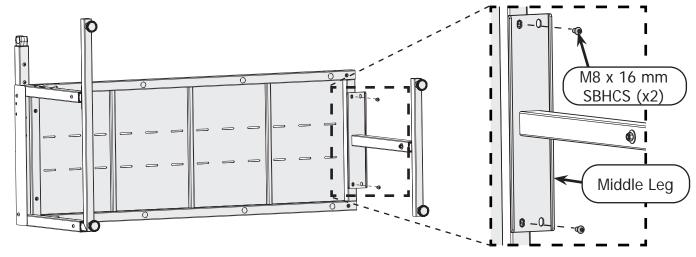


### **Building the Frame Table (Continued)**

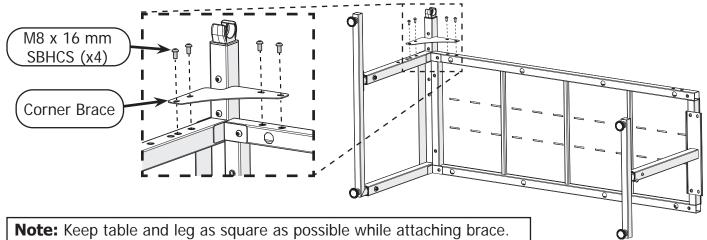
2 Use two **M8 x 16 mm SBHCS** screws to attach the **left frame leg** to the underside of one of the **table sections**. Tighten with the 5 mm Allen wrench.



3 Use two **M8 x 16 mm SBHCS** screws and the 5 mm Allen wrench to attach the left table section to the **middle leg**.

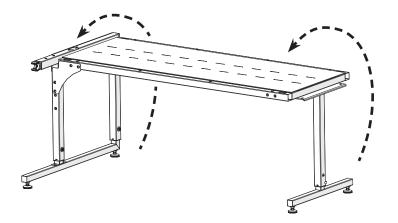


Attach one of the **corner braces** to the top left corner of the frame with the 5 mm Allen wrench and four **M8 x 16 mm SBHCS screws**.

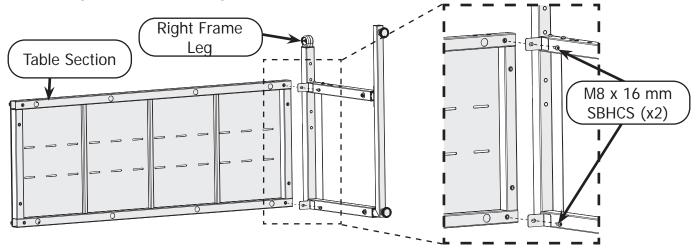


### Full Frame Assembly Building the Frame Table (Continued)

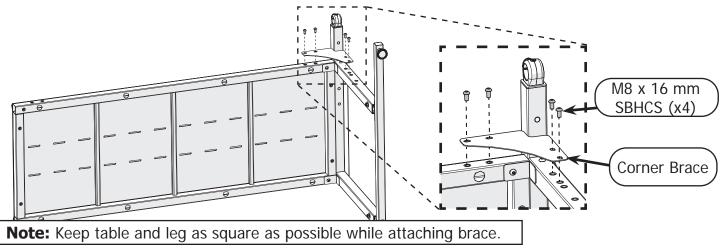
5 Carefully lift the table to a standing position.



6 Use two **M8 x 16 mm SBHCS** screws to attach the **right frame leg** to the underside of the remaining **table section**. Tighten with the 5 mm Allen wrench.

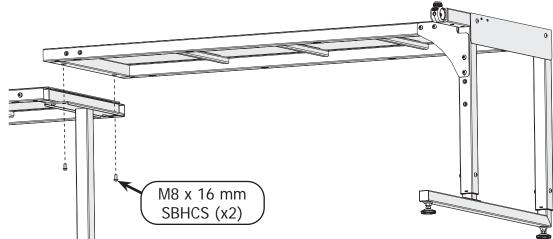


Attach one of the **corner braces** to the top right corner of the frame with the 5 mm Allen wrench and four **M8 x16 mm SBHCS screws**.

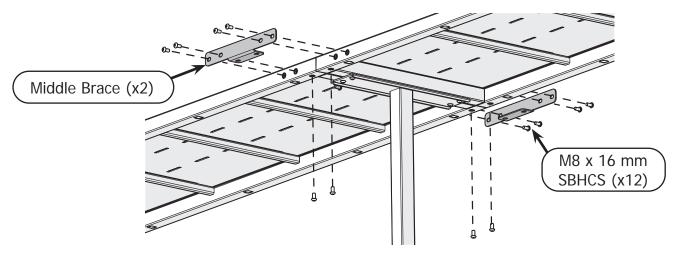


### **Building the Frame Table (Continued)**

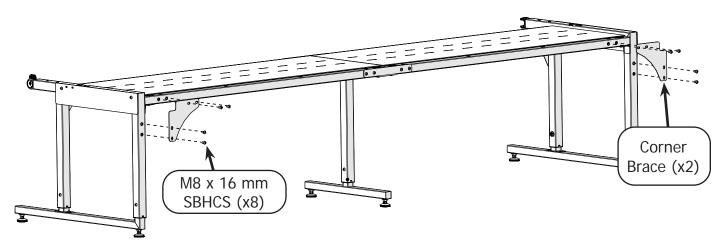
8 Line up the two table sections and use two **M8 x 16 mm SBHCS screws** to attach the right table section to the middle leg. Tighten with the 5 mm Allen wrench.



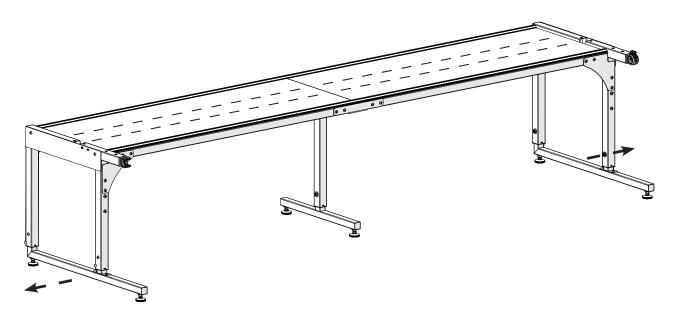
Install a middle brace onto the front and back of the middle leg with six M8 x 16 mm SBHCS screws each and the 5 mm Allen wrench.



10 Install corner braces onto the rear corners of the frame with four M8 x 16 mm SBHCS screws each and the 5 mm Allen wrench.

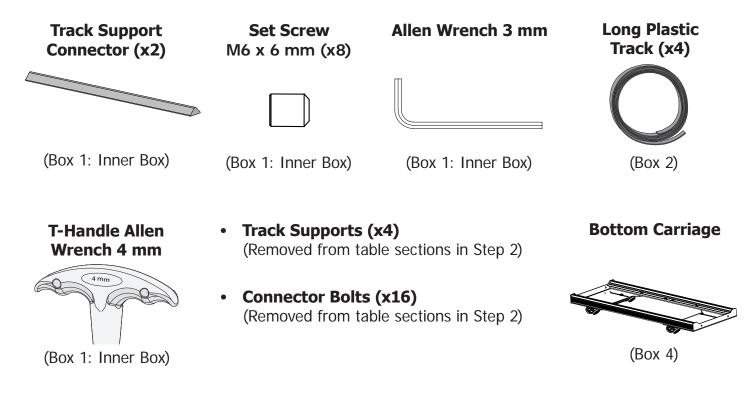


11 Pull the bottom of the left and right legs out, away from the center, to help square up the frame.



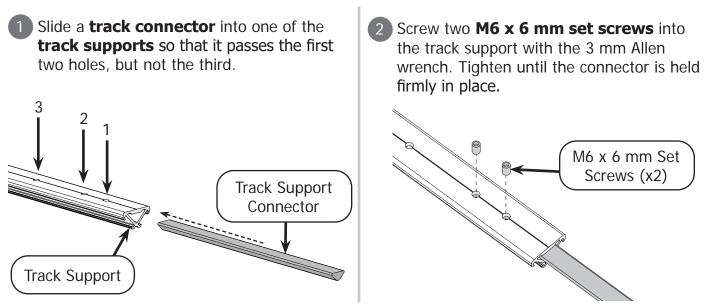
### Step 3 - Installing the Tracks

#### Parts & Tools Needed:

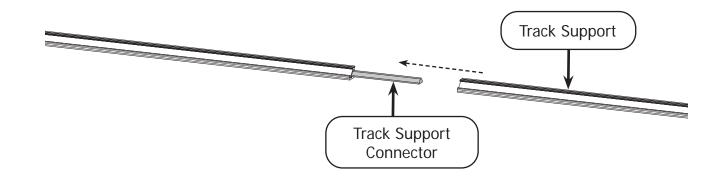


#### Instructions

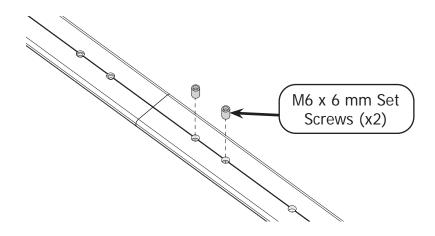
The frame tracks allow the quilting machine to move across the frame. To install the frame tracks, take the following steps:



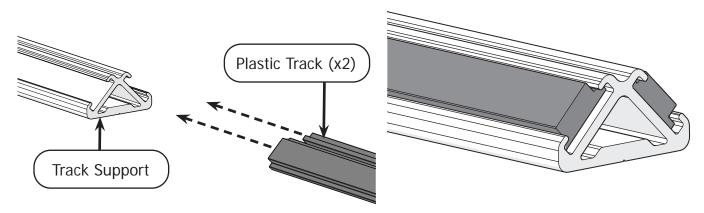
3 Slide another track support onto the track connector.



4 Use two **M6 x 6 mm set screws** and the 3 mm Allen wrench to tighten the track support firmly to the connector.

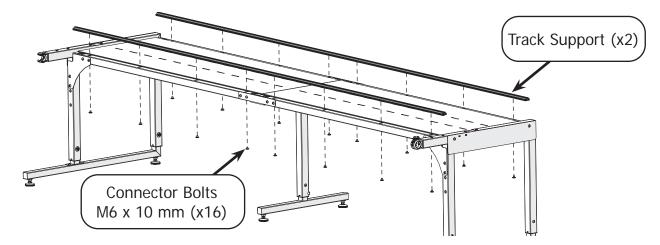


5 Thread each of the **plastic tracks** into the **track supports**. Repeat steps 1–5 for the remaining track supports.

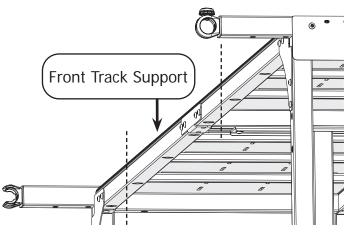


### Installing the Tracks (Continued)

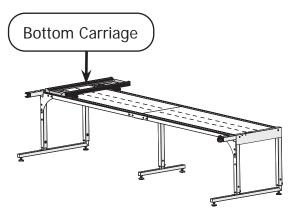
6 Loosely connect the **track supports** to the frame with the 4 mm Allen wrench and the sixteen **M6 x 10 mm connector bolts** removed in "Step 2 - Building the Frame Table" on page 12.



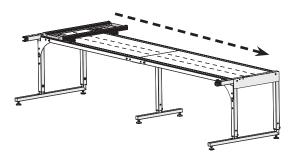
7 Line up the front track support as close to the edge of the frame as possible and tighten the connector bolts.



8 Carefully place the bottom carriage onto the frame.

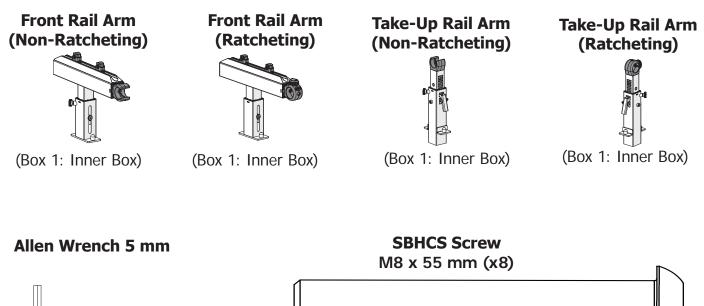


9 Slowly slide the carriage from one side of the frame to the other. Tighten each of the connector bolts in the back as the bottom carriage passes over them.



### Full Frame Assembly Step 4 - Assembling the Rail Supports

### Parts & Tools Needed:

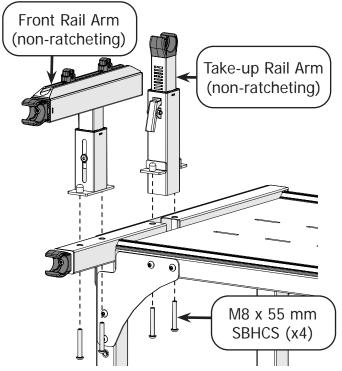


(Box 1: Inner Box)

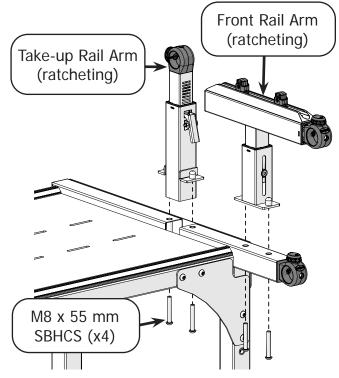
### Instructions

The rails hold and position the quilt on the frame.

1 Install the non-ratchet front rail arm and take-up rail arm on the left side of the frame using four M8 x 55 mm SBHCS screws.

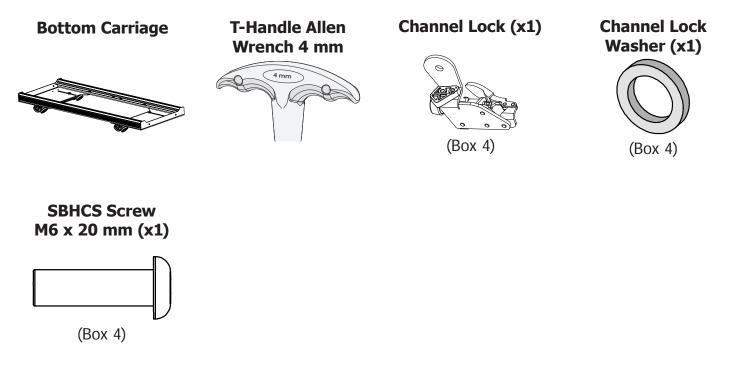


2 Install the **ratcheting front rail arm and take-up rail arm** on the right side of the frame using four M8 x 55 mm SBHCS screws.



### **Step 5 - Installing the Bottom Carriage**

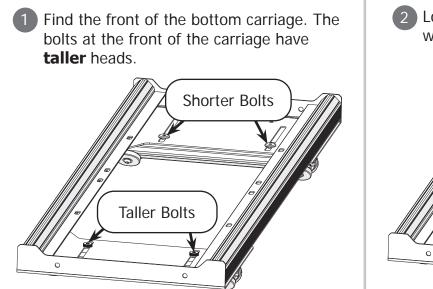
#### Parts & Tools Needed:



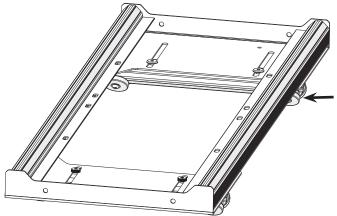
#### Instructions

Install a channel lock on the bottom carriage before placing the bottom carriage onto the frame. Channel locks assist with stitching straight lines.

**Note:** Instructions for using the channel locks can be found on page 73.

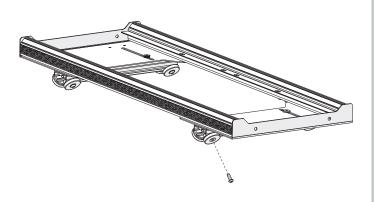


2 Locate the right-rear bottom carriage wheels.

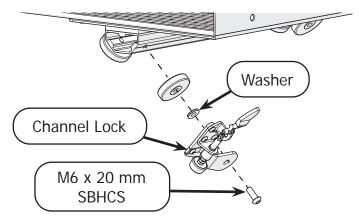


### Full Frame Assembly Installing the Bottom Carriage (Continued)

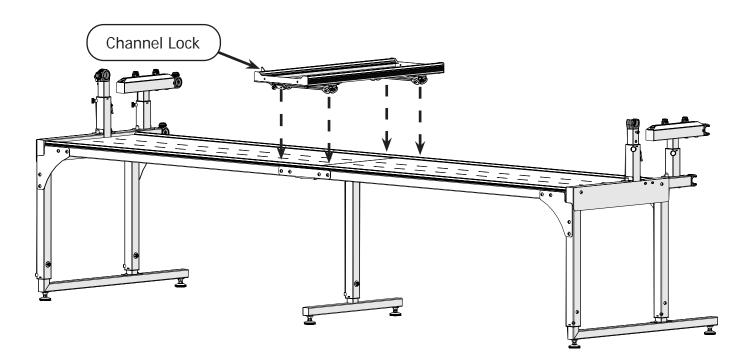
3 Remove the screw attaching the outside, right-rear wheel to the bottom carriage using the 4 mm Allen wrench.



4 Screw the **channel lock** and **washer** onto the right-rear bottom carriage wheel with an **M6 x 20 mm SBHCS** and 4 mm Allen wrench.



5 With the channel lock in the open position, place the bottom carriage onto the frame so the wheels slide over the frame track. The **channel lock** should be positioned on the rear track.



6 **STOP HERE** if you are using a top plate and home sewing machine. Please follow the instructions in your top plate manual. When finished, skip to "Step 7 - Leveling the Frame" on page 25. If you are using a quilting machine, continue on to "Step 6 - Installing the Quilting Machine" on page 23.

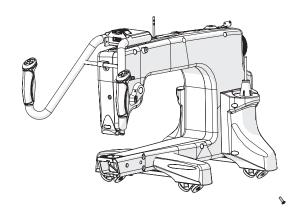
### Full Frame Assembly

#### Step 6 - Installing the Quilting Machine If using a top carriage and home sewing machine, please follow the instructions Parts & Tools Needed: in your top carriage manual and then go to page 25. T-Handle Allen **SBHCS Screw Channel Lock** Channel Lock (x1) Wrench 4 mm M6 x 20 mm (x1) Washer (x1) (Box 4) (Box 4) (Box 4)

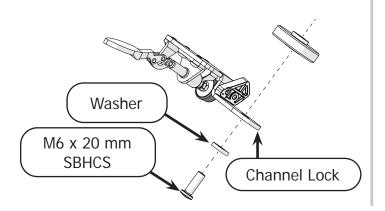
### Instructions

A channel lock should be installed on your quilting machine or top carriage before it is placed on the frame. The channel locks assist with quilting straight, even lines.

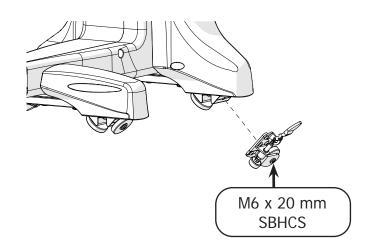
1 Remove the rear wheel on the right side of your quilting machine or top carriage with the 4 mm Allen wrench.



Place the **washer**, **channel lock** and machine wheel onto the **M6 x 20 mm SBHCS screw**.



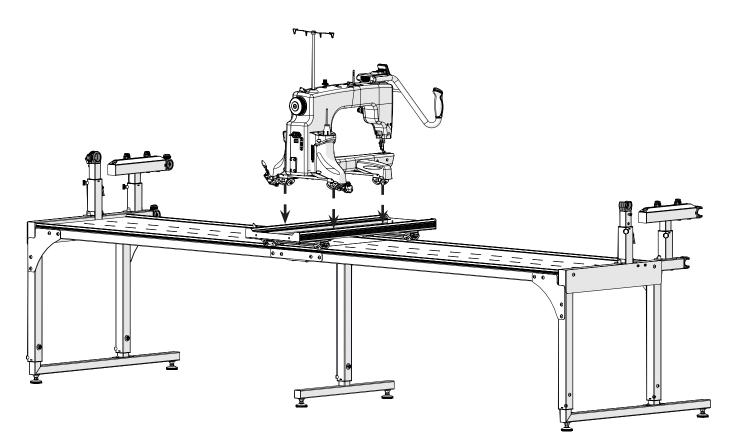
3 Use the 4 mm Allen wrench to screw the **M6 x 20 mm SBHCS** into the machine.



4 **STOP HERE.** Follow the instructions in your <u>machine manual</u> to fully assemble the machine. Continue with frame instructions only after machine is completed.



With the channel lock in the open position, carefully place machine onto the bottom carriage, if not already done.



### Step 7 - Leveling the Frame

#### Parts & Tools Needed:

Open-end Wrench 14 mm & 17 mm

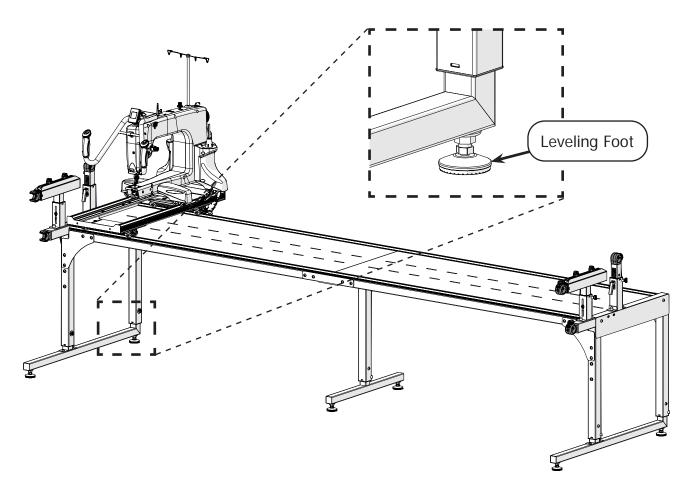


(Box 1: Inner Box)

#### Instructions

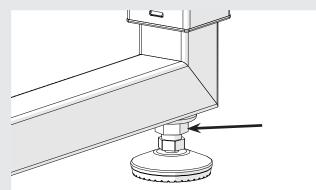
Leveling the frame ensures the machine doesn't drift or pull to one side when stitching.

1 Move the machine and bottom carriage to one corner of the frame, and release. If the machine rolls away from the corner, use the 17 mm Open-end wrench to adjust the **leveling foot** at the bottom of the leg.

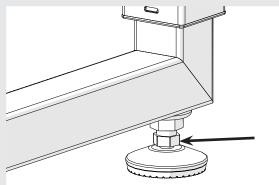


### **Leveling Foot Adjustment**

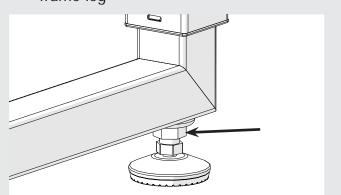
a Loosen the top nut on the leveling foot with the 17 mm Open-end wrench.



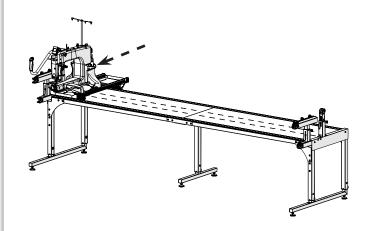
b Turn the bottom nut with the 14 mm Open-end wrench until the desired height is set.



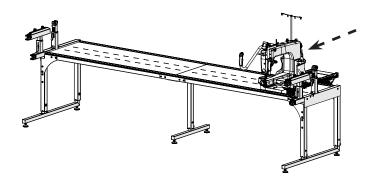
**c** Tighten the top nut with the 17 mm Openend wrench until it is firm against the frame leg



Test the next corner of the frame, and adjust the leveling foot underneath if needed.

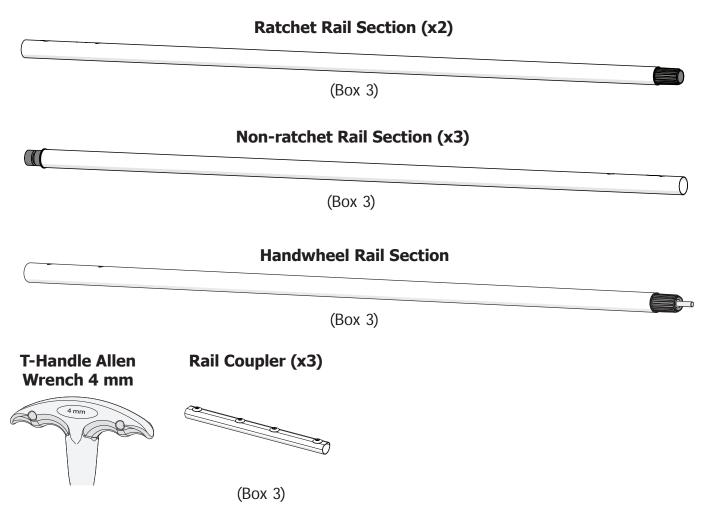


Test the middle of the frame next, and then the other two corners.



### Step 8 - Installing the Rails

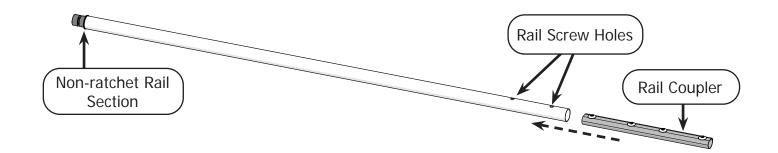
#### Parts & Tools Needed:



#### Instructions

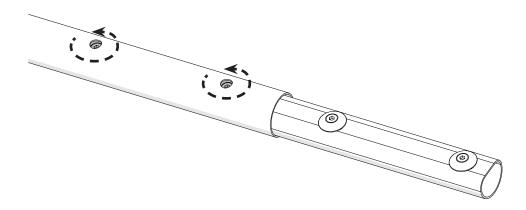
The rails hold and position the quilt on the frame.

Slide a **rail coupler** into one of the **non-ratchet rail section**. Line up the screws on the coupler with the **holes** on the rail.

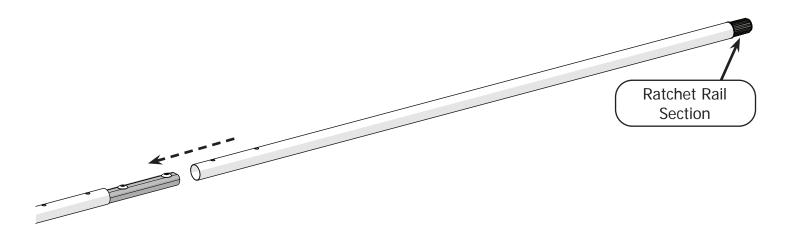




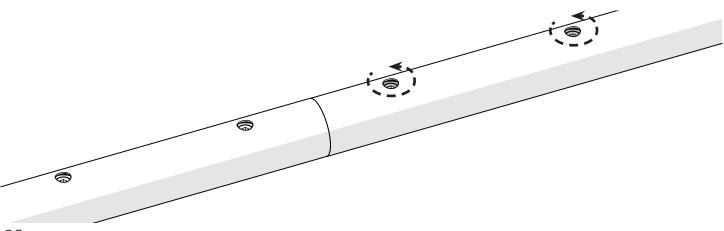
2 Use the 4 mm Allen wrench to loosen (turn counter-clockwise) the coupler screws inside the rail until they press firmly against the rail.



3 Slide one of the **ratcheting rail sections** onto the other side of the rail coupler.

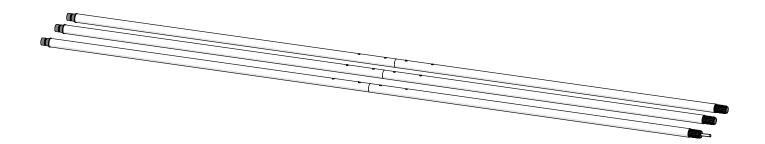


Line the coupler screws with the holes in the rail and loosen them with the 4 mm Allen wrench until they press firmly against the inside of the rail.

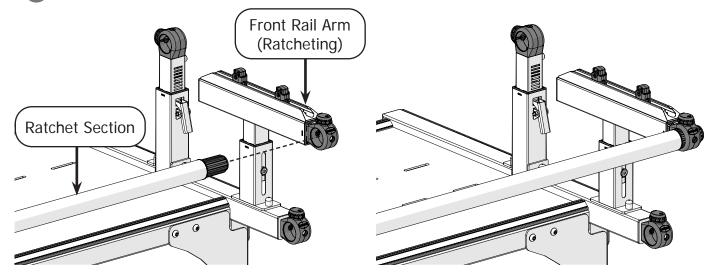


### Installing the Rails (Continued)

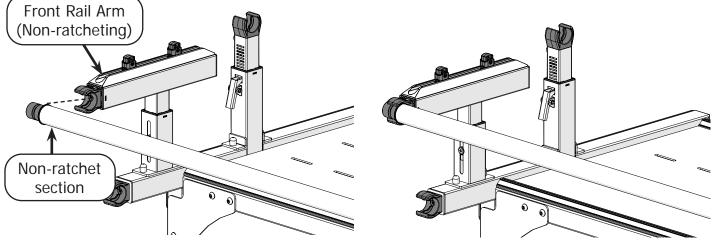
5 Repeat steps 1-4 with the remaining rails. One rail will be completed with the handwheel rail section in place of the ratcheting rail section.



6 Insert the ratchet section end of one of the rails into the front rail arm (ratcheting side).



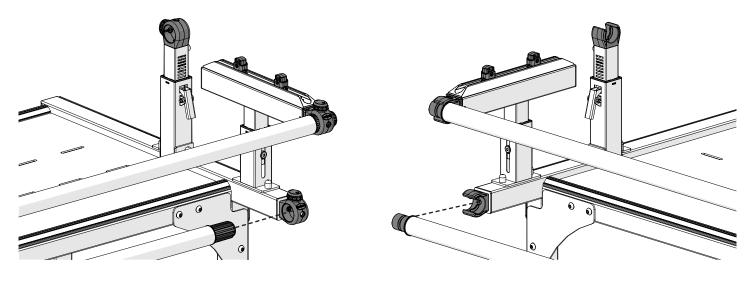
7 Press the other end of the rail (the **non-ratchet section**) into the **front rail arm (non-ratcheting side)**.



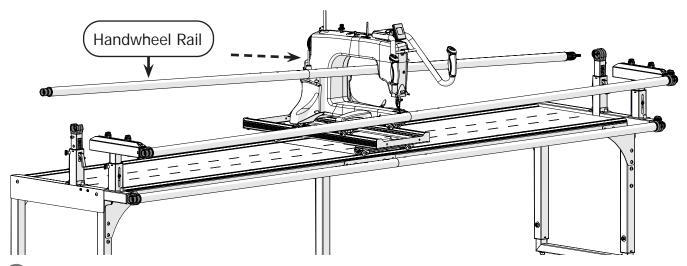
### Full Frame Assembly Installing the Rails (Continued)



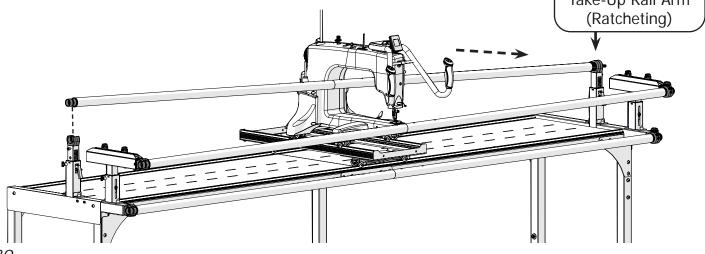
Repeat steps 6-7 for the bottom rail.



9 Insert the **handwheel rail** through the throat of the machine, handweel side first.



10 Place the ratcheting side of the rail into the **ratcheting take-up rail arm**, and then press the non-ratcheting side into the non-ratcheting take-up rail arm.



### Step 9 - Assembling the Handwheel

#### Parts & Tools Needed:



(Box 1: Inner Box)



(Box 1: Inner Box)

#### **Triangular Knob**



(Box 1: Inner Box)

#### **Handwheel Coupler**



(Box 1: Inner Box)

#### Shoulder Bolt M8



(Box 1: Inner Box)

#### Allen Wrench 6 mm

#### M10 Washer

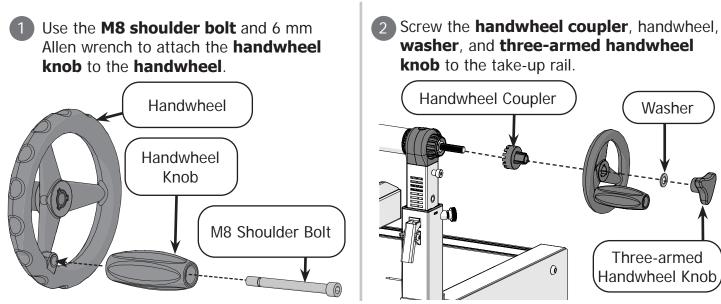




- (Box 1: Inner Box)
- (Box 1: Inner Box)

### Instructions

The handwheel allows you to conveniently roll the quilt up as you go.



### **Full Frame Assembly** Step 10 - Installing the Bungee Clamps

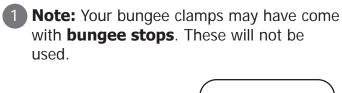
#### **Parts & Tools Needed:**

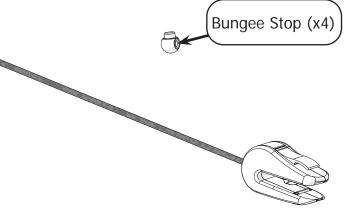
Bungee Clamp (x4)

(Box 1: Inner Box)

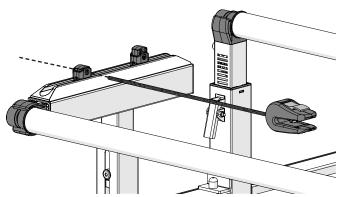
### Instructions

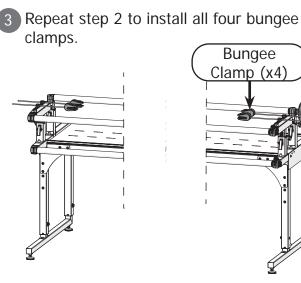
The bungee clamps hold the edges of the quilt up and provide additional tension to the quilt surface. Take the following steps:

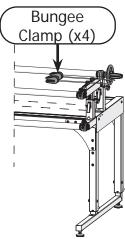




Press down the bungee stop in the front rail arm and thread the bungee cable through. Release to tighten.







### Step 11 - Adjusting the Rails

#### Parts & Tools Needed:

T-Handle Allen Allen Wrench 5 mm Wrench 4 mm

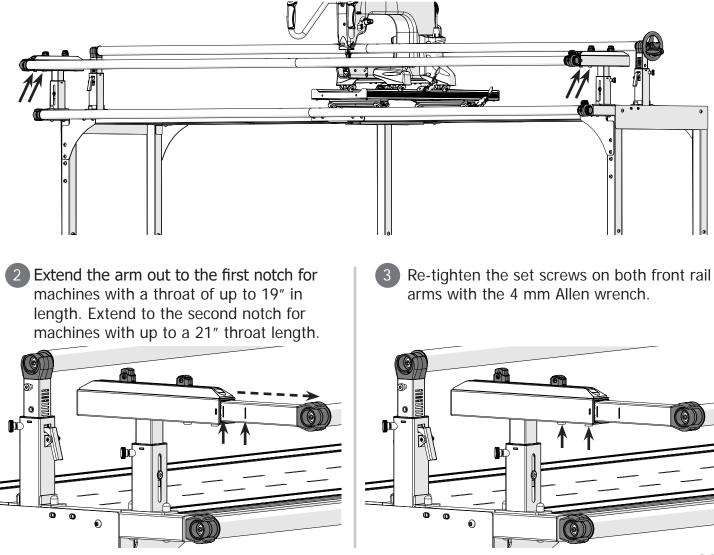
4 mm

111		
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### Instructions

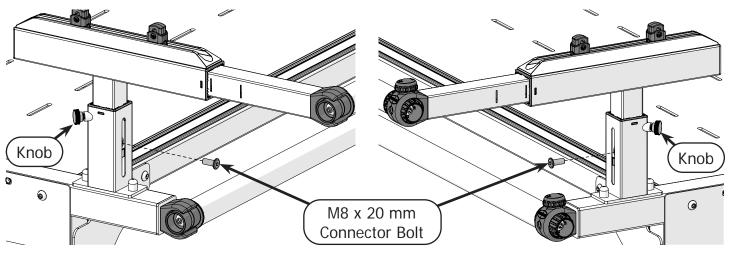
The placement of the rails in relation to the machine is crucial for proper quilt alignment and quality sewing. For customers using the idler or batting accessory rails, please refer to the instructions that came with your accessories on how to configure your rails. For the standard setup, please take the following steps:

1 If the throat of your machine is greater than 15", you will need to extend your front rail. Use the 4 mm Allen wrench to loosen the set screws on both the front rail arms.

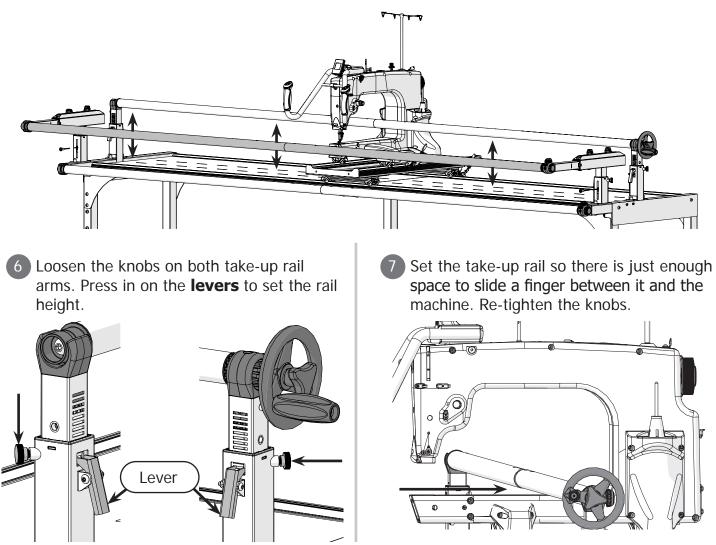


### Full Frame Assembly Adjusting the Rails (Continued)

4 To set the front rail height, turn the **knobs** on the necks of both front rail arms, and remove the **M8 x 20 mm connector bolts** from the rail arms with the 5 mm Allen wrench.



5 Set the top of the rail so it is level with the machine's needle plate. When the height is set, reinstall the M8 x 20 mm connector bolts and tighten the height knobs on the rail arms.



### Step 12 - Installing the Velcro Tape

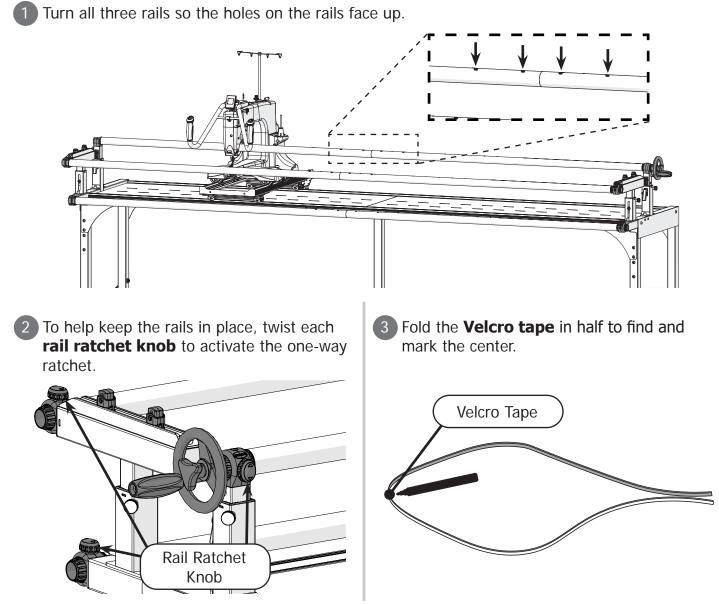
### Parts & Tools Needed:



Found in Leader Cloth Set (Box 4)

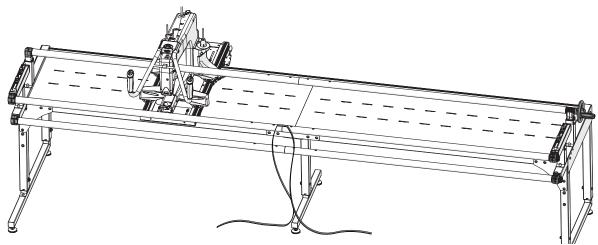
### Instructions

Velcro strips are used to attach the leader cloth to your frame. The leader cloths help align the quilt and maximize the are of the quilt surface that the machine will be able to reach.

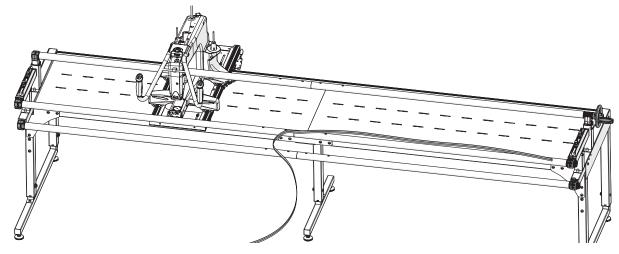


### Full Frame Assembly Installing the Velcro Tape (Continued)

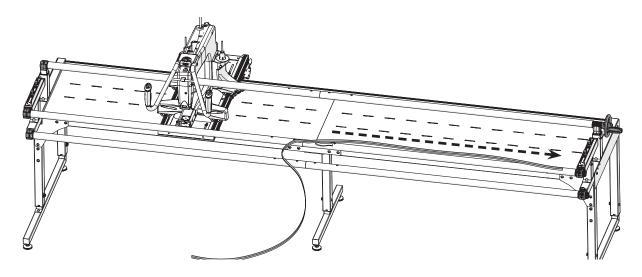
4 Remove some of the backing from the center of the tape and attach the tape to center of one of the rails.



5 Peel off some of the backing from the end of the tape. Use the holes on to rail to keep the tape straight, and attach it to the end of the rail.

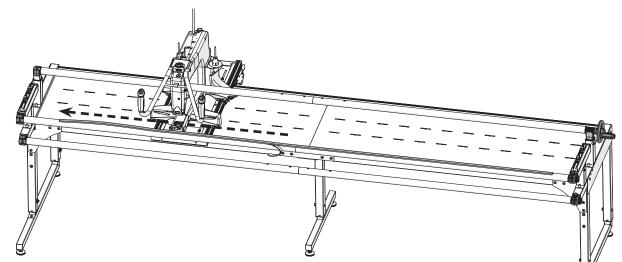


6 Start from the center and carefully peel away the backing of the tape, flattening as you go.



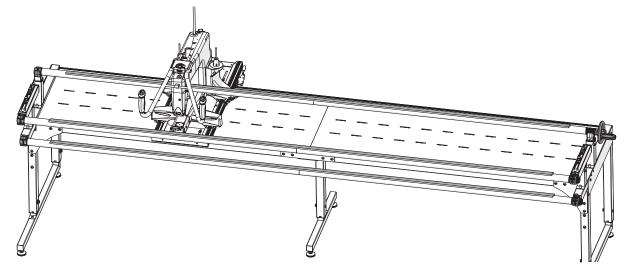
# Installing the Velcro Tape (Continued)

Now do the same for the other side of the rail. 7



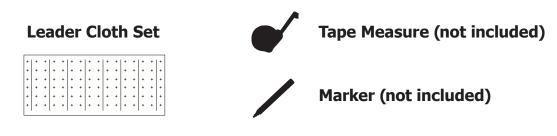


8 Repeat steps 3–7 for the other two rails.



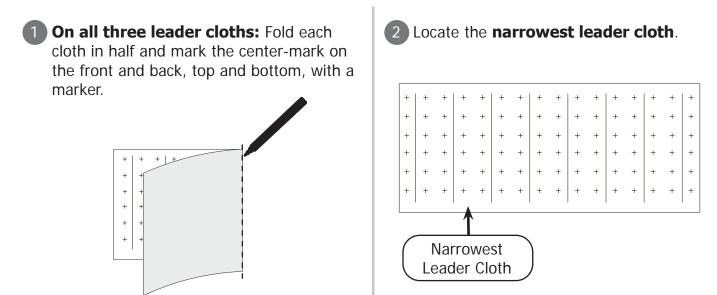
# Full Frame Assembly Step 13 - Installing Leader Cloth

#### Parts & Tools Needed:

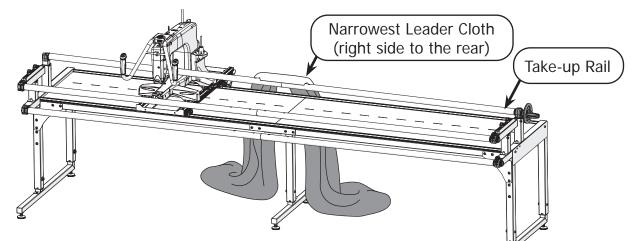


### Instructions

The leader cloths attach the quit to the frame while maximizing the quilt surface that the machine can reach.

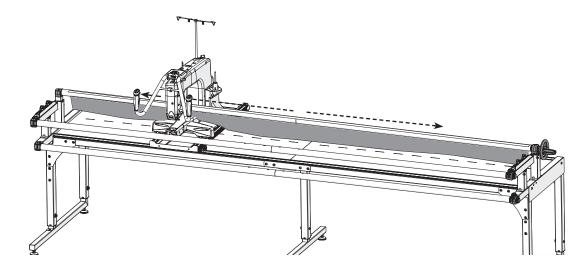


3 Place the center of the **narrowest leader cloth** onto the Velcro tape in the center of the **take-up rail**, right side facing away from the frame.

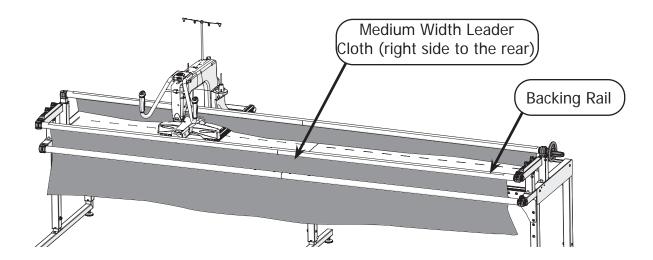


#### Installing the Leader Cloth (Continued)

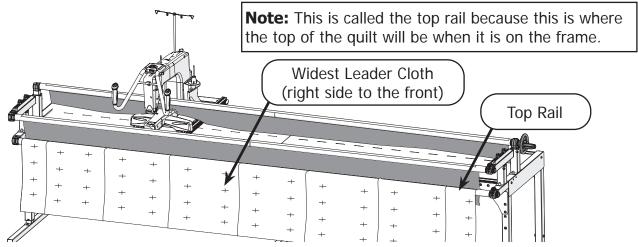
Moving from the center outward, smooth the top edge of the leader cloth across the Velcro.



5 Repeat steps 3–4 for the **medium width leader cloth** on the **backing rail**.

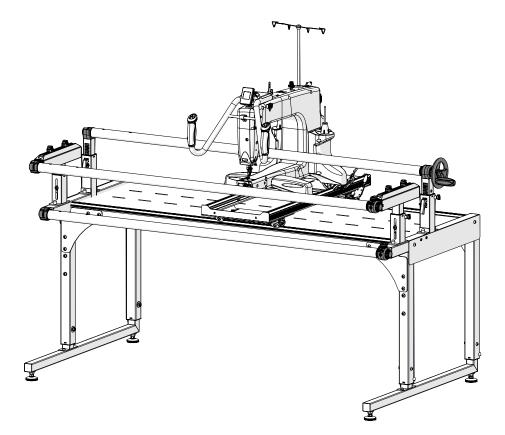


6 For the **widest leader cloth**, repeat steps 3–4 on the **top rail**, but drape the leader cloth over the front of the rail, right side facing the front.



# Crib Frame Assembly

This section describes the steps for setting up the half-sized (crib) frame. For instructions on the full-size setup, see page 9.



**Tip:** For additional help, scan the QR code below with the camera on your iphone to visit our online support videos!



https://www.graceframe.com/en/resources/support/videos

# Step 1 - Setting the Frame Height

#### Parts & Tools Needed:





10 mm & 13 mm

(Box 1: Inner Box)

**Open-end Wrench** 



(Box 1: Inner Box)

Allen Wrench 5 mm

(Box 1)

T-Handle Allen Wrench 4 mm

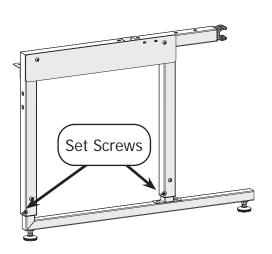


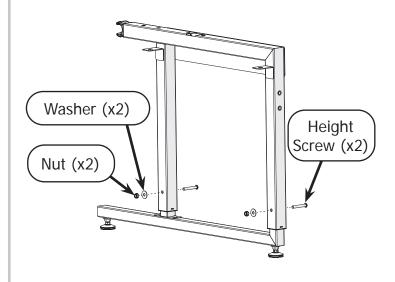
(Box 1: Inner Box)

## Instructions

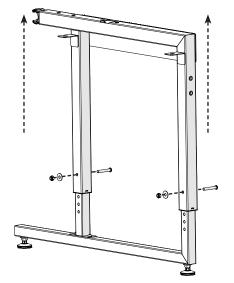
The frame height is most easily adjusted prior to frame assembly. Please take the following steps:

- Loosen (do not remove) the **set screws** toward the base of each leg with the 4 mm Allen wrench.
- 2 Remove the **height screws**, **washer**, and **nut** with the 10 mm box-end wrench and 5 mm Allen wrench.





3 Raise the top of the leg until the leg is the desired height. Re-install the height screws, washer and nut.



**Important:** Set all the legs to the same hole.

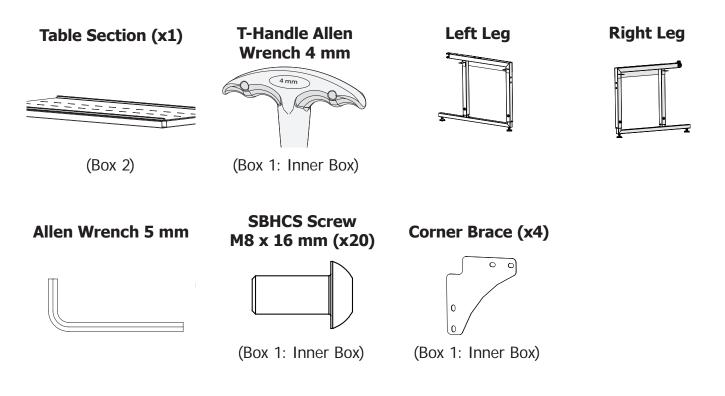
4 Re-tighten the set screws with the 4 mm Allen wrench. The middle leg has only one set screw.



**Note:** Final height may vary slightly after adjusting the leveling feet (see page 25).

# **Step 2 - Building the Frame Table**

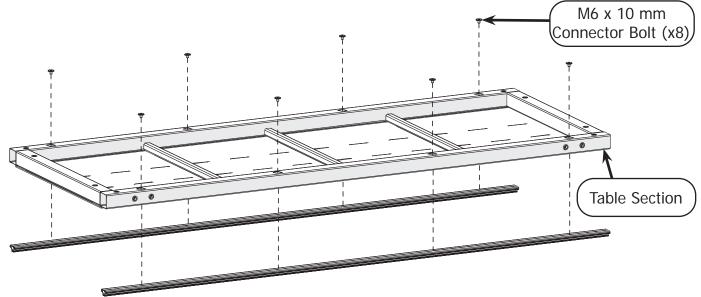
#### Parts & Tools Needed:



#### Instructions

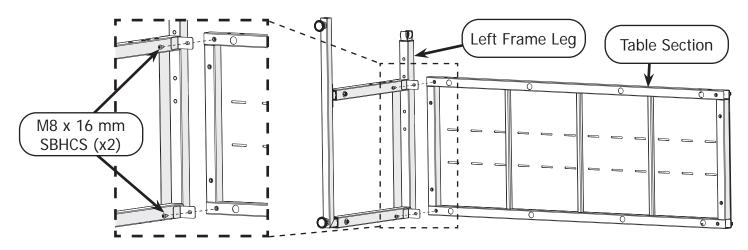
Attach a table section to the frame legs by taking the following steps:

1 Use the 4 mm T-handle Allen wrench to remove eight **M6 x 10 mm connector bolts** attaching the metal track extrusions to the **table section**.

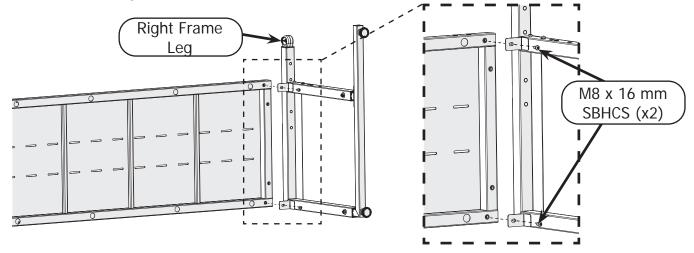




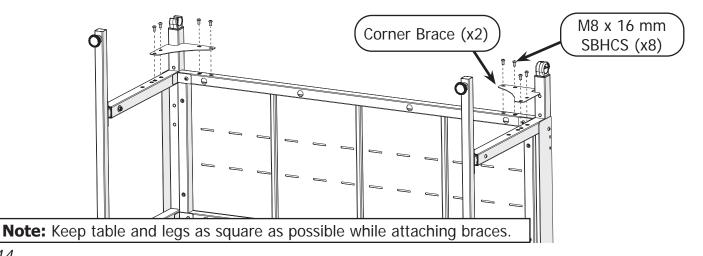
2 Use two M8 x 16 mm SBHCS screws to attach the left frame leg to the underside of the table section. Tighten with the 5 mm Allen wrench.



3 Use two M8 x 16 mm SBHCS screws to attach the right frame leg to the other side of the table section. Tighten with the 5 mm Allen wrench.

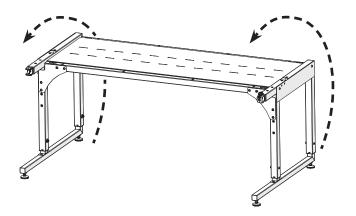


Install the corner braces onto the front of the left and right frame legs with eight M8 x 16 mm SBHCS screws and the 5 mm Allen wrench.

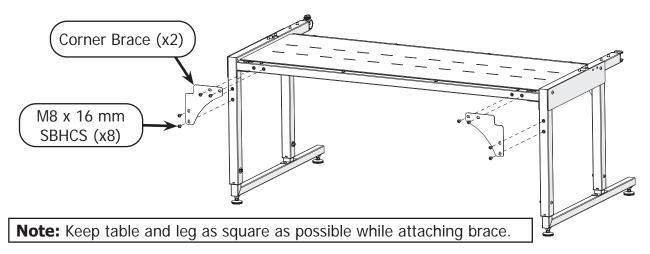


## **Building the Frame Table (Continued)**

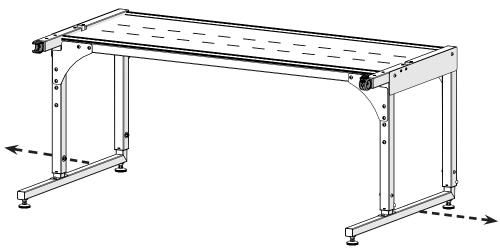
5 Carefully lift the table to a standing position.



6 Install the corner braces onto the rear of the left and right frame legs with eight M8 x 16 mm SBHCS screws and the 5 mm Allen wrench.



7 Pull the bottom of the left and right legs out, away from the center, to help square up the frame.



## Crib Frame Assembly Step 3 - Installing the Tracks

#### **Parts & Tools Needed:**



(Box 2)

Track Supports (x2) (Removed from table sections in Step 2)

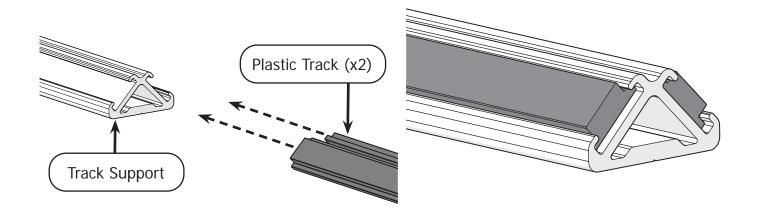
**Connector Bolts** (Removed from table sections in Step 2)

## Instructions

The frame tracks allow the quilting machine to move across the frame.

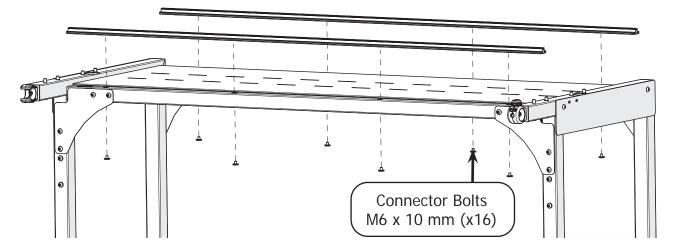


Thread two of the **plastic tracks** into each of the **track supports**.

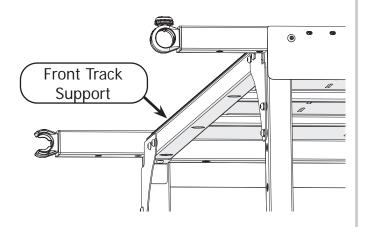


#### Installing the Tracks(Continued)

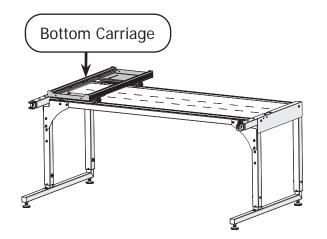
Loosely connect the track supports to the frame with the **M6 x 10 mm connector bolts** (removed in "Step 2 - Building the Frame Table" on page 43) and the 4 mm Allen wrench.



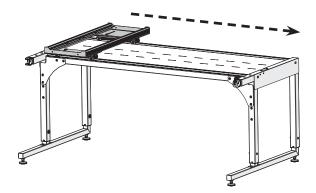
Line up the **front track support** as close to the edge of the frame as possible and tighten the connector bolts.



Carefully place the **bottom carriage** onto the frame.

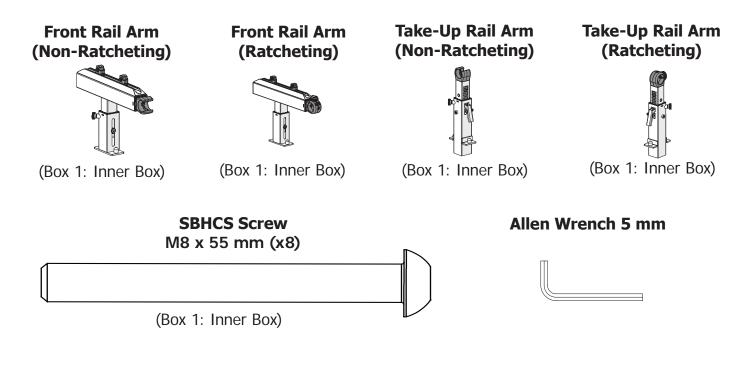


Slowly slide the carriage from one side of the frame to the other. Tighten each of the connector bolts in the back as the bottom carriage passes over them.



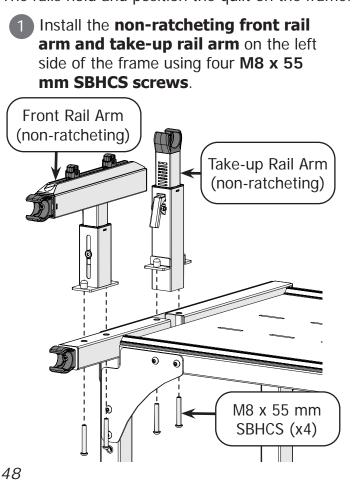
# Crib Frame Assembly Step 4 - Assembling the Rail Supports

#### Parts & Tools Needed:

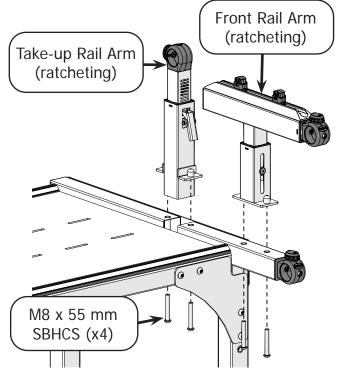


## Instructions

The rails hold and position the guilt on the frame.

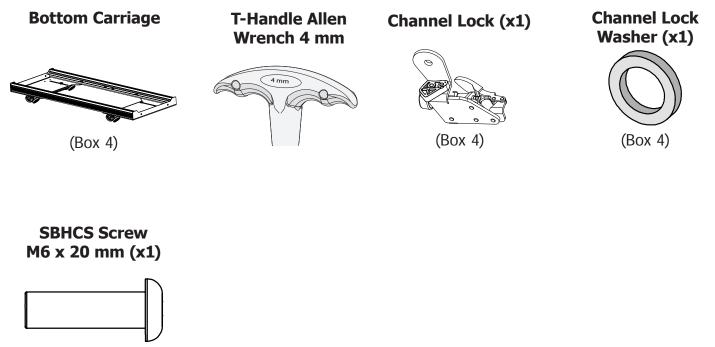


2 Install the ratcheting front rail arm and take-up rail arm on the right side of the frame using four M8 x 55 mm SBHCS screws.



# **Step 5 - Installing the Bottom Carriage**

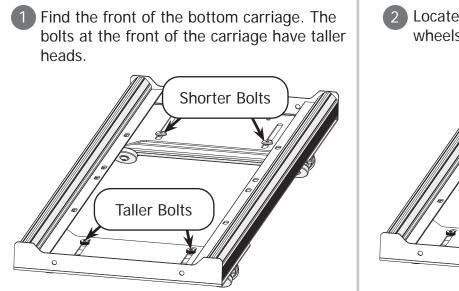
#### Parts & Tools Needed:



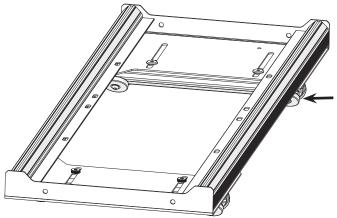
(Box 4)

#### Instructions

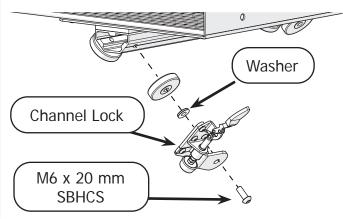
Install a channel lock on the bottom carriage before placing the bottom carriage onto the frame. The channel locks assist with stitching straight lines.



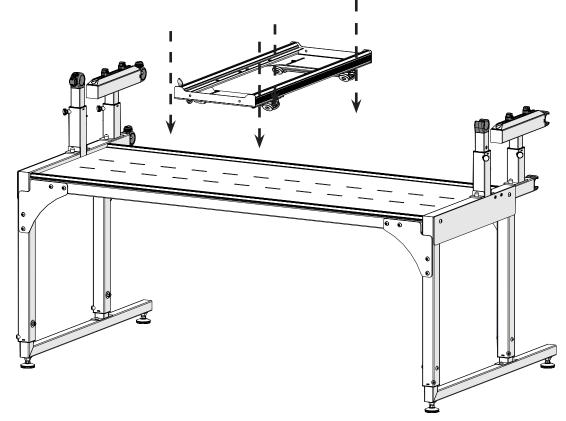
2 Locate the right-rear bottom carriage wheels.



- 3 Remove the screw attaching the outside, right-rear wheel to the bottom carriage using the 4 mm Allen wrench.
- 4 Screw the **channel lock** and **washer** onto the right-rear bottom carriage wheel with an **M6 x 20 mm SBHCS** and 4 mm Allen wrench.



With the channel lock in the open position, place the bottom carriage onto the frame so the wheels slide over the frame track. The channel lock should be positioned on the rear track.



6 **STOP HERE** if you are using a top plate and home sewing machine. Please follow the instructions in your top plate manual. When finished, skip to "Step 7 - Leveling the Frame" on page 53. If you are using a quilting machine, continue on to "Step 6 - Installing the Quilting Machine" on page 51.

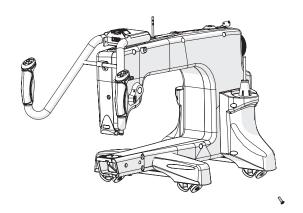
# Crib Frame Assembly

#### Step 6 - Installing the Quilting Machine If using a **top carriage** and home sewing machine, please follow the instructions Parts & Tools Needed: in your top carriage manual and then go to page 53. T-Handle Allen **SBHCS Screw Channel Lock** Channel Lock (x1) Wrench 4 mm M6 x 20 mm (x1) Washer (x1) (Box 4) (Box 4) (Box 4)

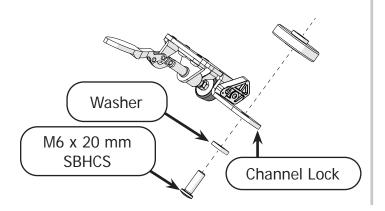
## Instructions

A channel lock should be installed on your quilting machine or top carriage before it is placed on the frame. The channel locks assist with quilting straight lines.

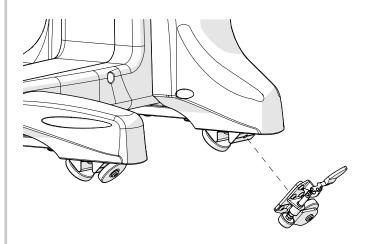
1 Remove the rear wheel on the right side of your quilting machine or top carriage with the 4 mm Allen wrench.



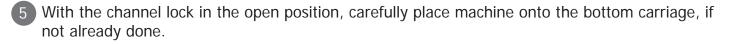
Place the **washer**, **channel lock** and machine wheel onto the **M6 x 20 mm SBHCS screw**.

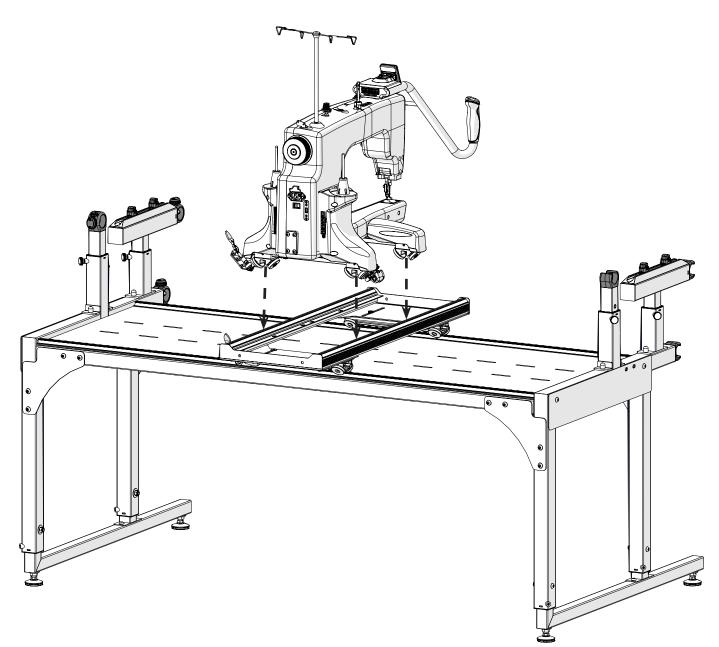


3 Use the 4 mm Allen wrench to screw the M6 x 20 mm SBHCS into the machine.



4 **STOP HERE.** Follow the instructions in your <u>machine manual</u> to fully assemble the machine. Continue with frame instructions only after machine is completed.

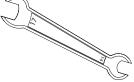




# Step 7 - Leveling the Frame

#### Parts & Tools Needed:

Open-end Wrench 14 & 17 mm

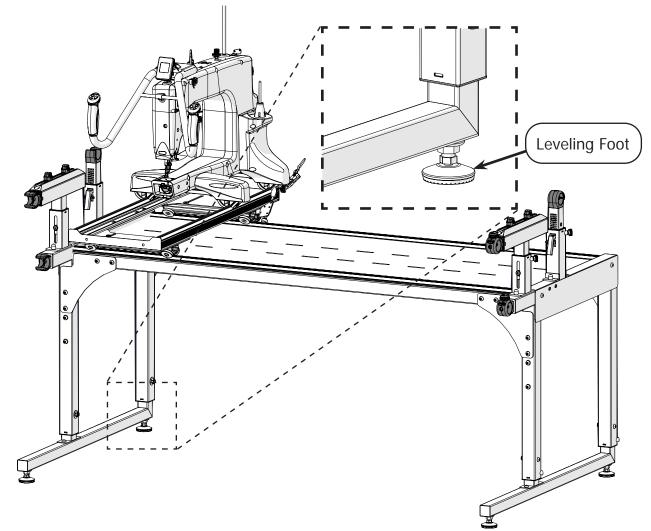


(Box 1: Inner Box)

#### Instructions

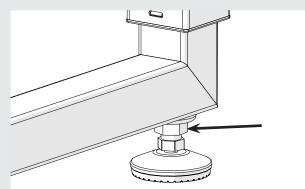
Leveling the frame ensures the machine doesn't pull away when stitching.

1 Move the machine and bottom carriage to one corner of the frame, and release. If the machine rolls away from the corner, use the 14 & 17 mm Open-end wrench to adjust the **leveling foot** at the bottom of the leg.

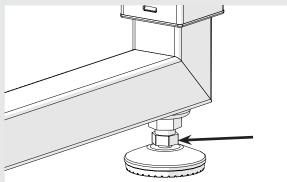


#### **Leveling Foot Adjustment**

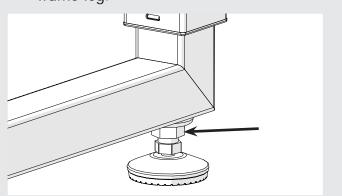
a Loosen the top nut on the leveling foot with the 17 mm Open-end wrench.



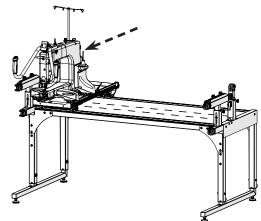
b Turn the bottom nut with the 14 mm Open-end wrench until the desired height is set.



c Tighten the top nut with the 17 mm Openend wrench. until it is firm against the frame leg.

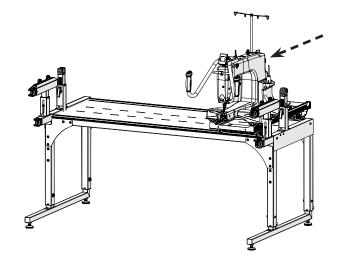


2 Test the next corner of the frame, and adjust the leveling foot underneath if needed.



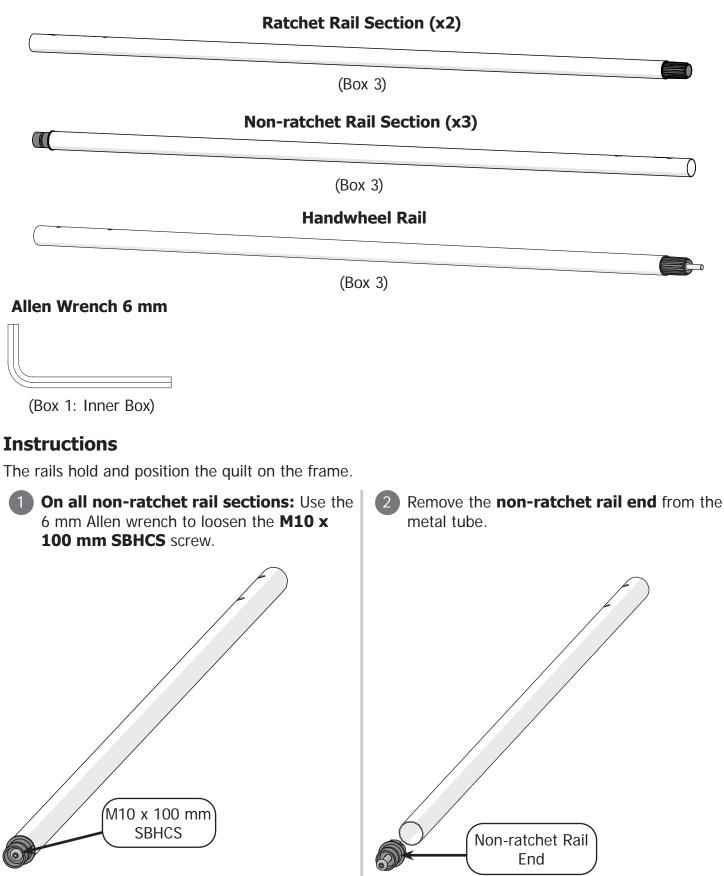


Test the other two corners.



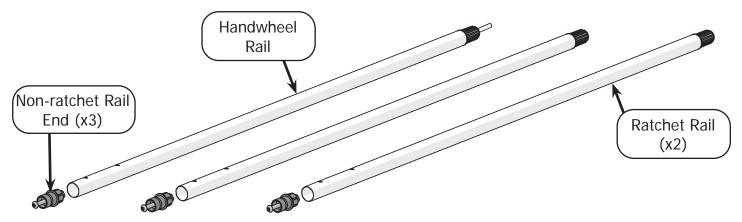
# Step 8 - Installing the Rails

#### Parts & Tools Needed:

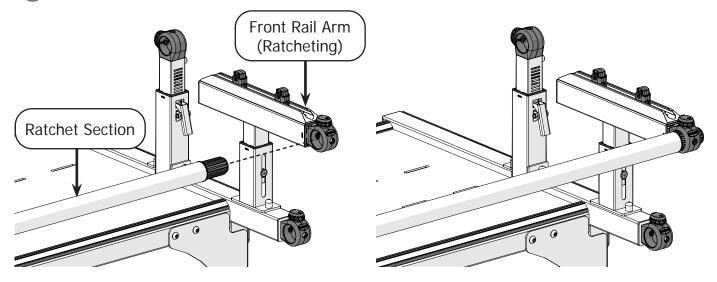




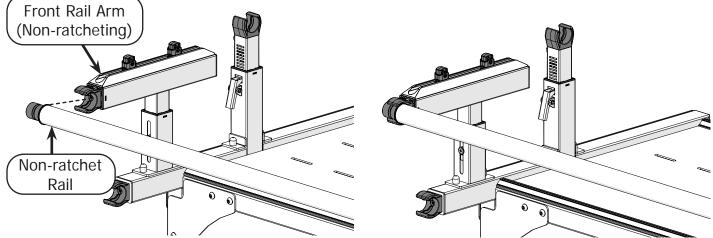
3 Use the 6 mm Allen wrench to screw the **non-ratchet rail ends** to the free ends of the ratchet rails and the handwheel rail.



Insert one of the rail's ratchet rail end into the front rail arm (ratcheting side).



5 Press the other end of the rail (the non-ratchet rail side) into the front rail arm (nonratcheting side).

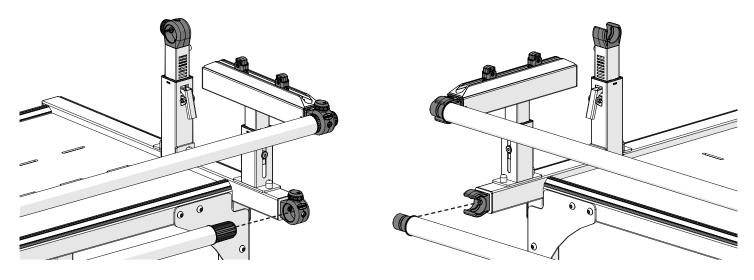


## Installing the Rails (Continued)

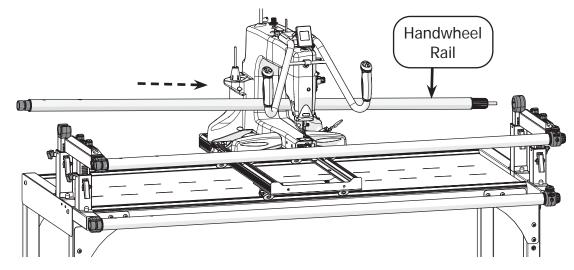


7

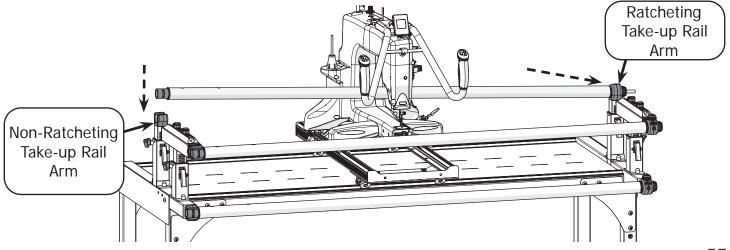
Repeat steps 4–5 for the bottom rail.



Insert the handwheel rail through the throat of the machine, handwheel side first.



8 Place the ratcheting side of the rail into the **ratcheting take-up rail arm**, and then press the non-ratcheting side into the **non-ratcheting take-up rail arm**.



# Crib Frame Assembly Step 9 - Assembling the Handwheel

### **Parts & Tools Needed:**



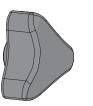
(Box 1: Inner Box)





(Box 1: Inner Box)

#### **Triangular Knob**



(Box 1: Inner Box)

#### **Handwheel Coupler**



(Box 1: Inner Box)

#### **Shoulder Bolt M8**



(Box 1: Inner Box)

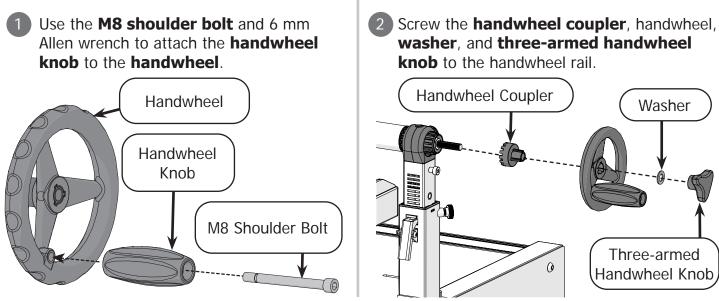
Allen Wrench 6 mm M10 Washer

(Box 1: Inner Box)



## Instructions

The handwheel allows you to easily roll your quilt up as you sew.



# **Step 10 - Installing the Bungee Clamps**

#### **Parts & Tools Needed:**

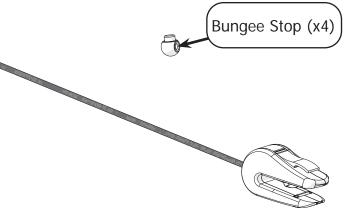
Bungee Clamp (x4)

(Box 1: Inner Box)

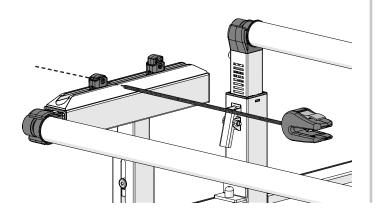
#### Instructions

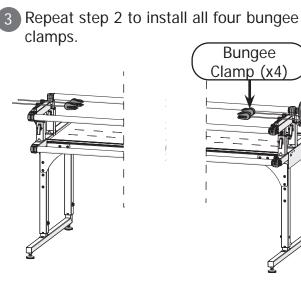
The bungee clamps hold the edges of the quilt up and provide additional tension to the quilt surface. Take the following steps:

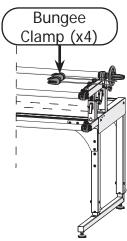




Press down the bungee stop in the front rail arm and thread the bungee cable through. Release to tighten.







# Crib Frame Assembly Step 11 - Setting the Rail Distances

#### Parts & Tools Needed:

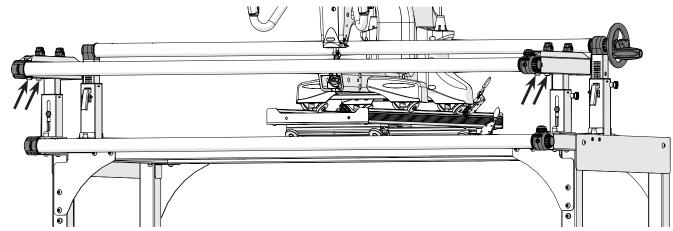
T-Handle Allen Wrench 4 mm Allen Wrench 5 mm



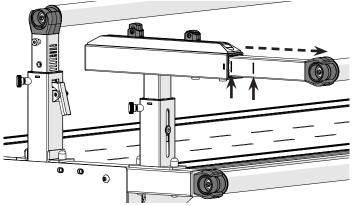
## Instructions

The placement of the rails in relation to the machine is crucial for proper quilt alignment and quality sewing. For customers using the idler or batting accessory rails, please refer to the instructions that came with your accessories on how to configure your rails. For the standard setup, please take the following steps:

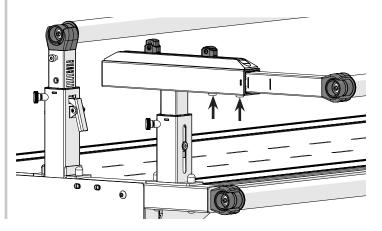
If the throat of your machine is greater than 15", you will need to extend your front rail to accommodate the machine. Use the 4 mm Allen wrench to loosen the set screws on both front rail arms.



2 Extend the arm out to the first notch for machines with a throat of up to 19" in length. Extend to the second notch for machines with up to a 21" throat length.

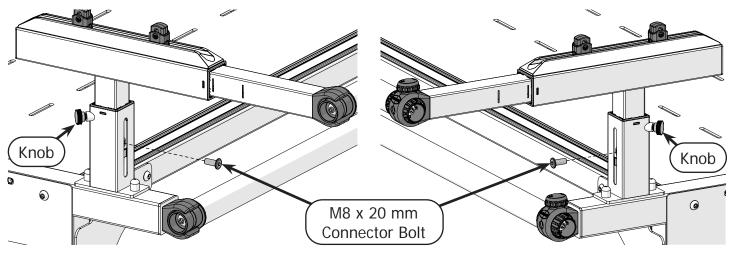


3 Re-tighten the set screws on both front rail arms with the 4 mm Allen wrench.

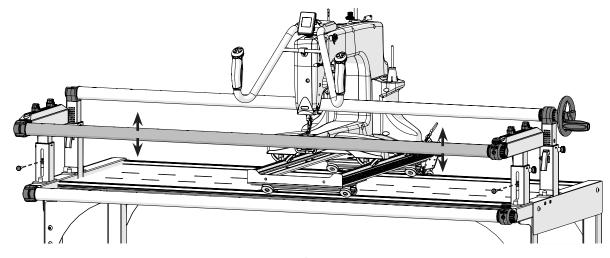


#### Setting the Rail Distances (Continued)

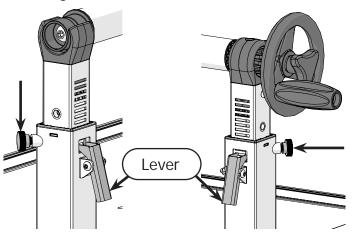
To set the front rail height, turn the **knobs** on the necks of both front rail arms, and remove the **M8 x 20 mm connector bolts** from the rail arms with the 5 mm Allen wrench.



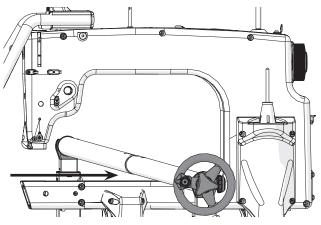
5 Press in the **levers** to raise or lower the front rail. Set the top of the rail so it is level with the machine's needle plate. When the height is set, re-tighten the height knobs.



6 Loosen the knobs on both take-up rail arms. Press in on the **levers** to set the rail height.



7 Set the take-up rail so there is just enough space to slide a finger between it and the machine. Re-tighten the knobs.



# Crib Frame Assembly Step 12 - Installing the Velcro Tape

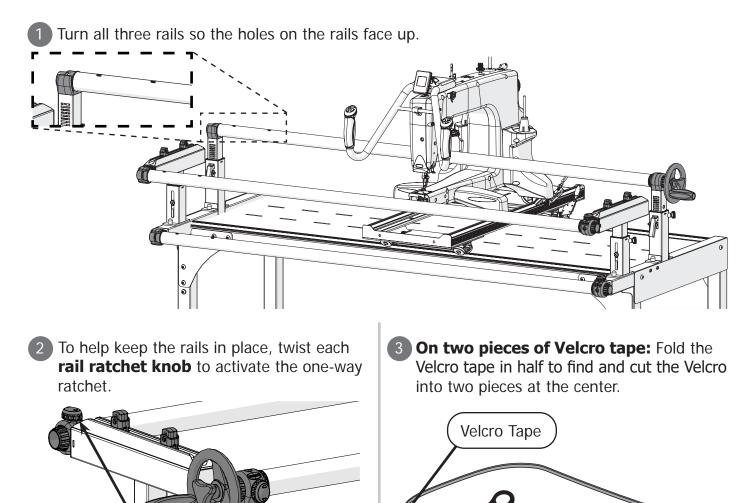
Rail Ratchet Knob

## Parts & Tools Needed:



#### Instructions

Velcro strips are used to attach the leader cloth to your frame. The leader cloths help align the quilt and maximize the are of the quilt surface that the machine will be able to reach.

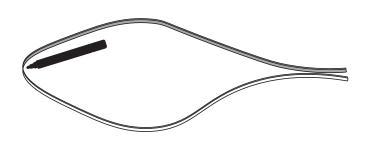


## Installing the Velcro Tape (Continued)

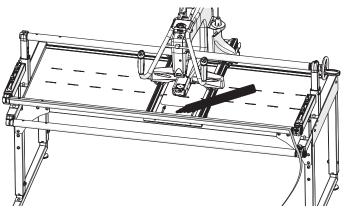


#### On three halves of cut Velcro tape:

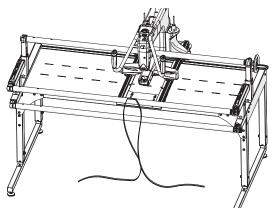
Fold the Velcro tape in half again and mark out the center with your marker.



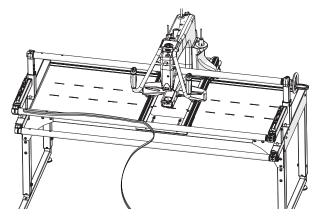
**On all three rails:** Lay a tape measure flat across the rail, aligning it with the holes on the top. Find and mark the center point.



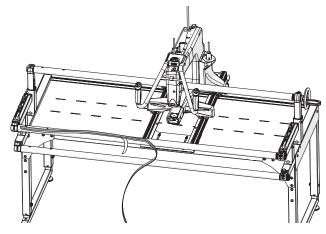
Peel away a portion of the backing from the center of the Velcro tape, and attach the center of the tape to the center of the rail.



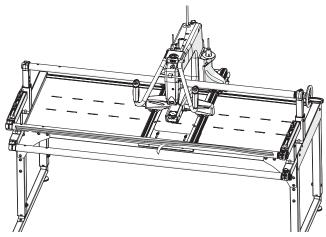
7 Peel off some of the backing from the end of the tape. Use the holes on to rail to keep the tape straight, and attach it to the end of the rail.



8 Start from the center and carefully peel away the backing of the tape, flattening as you go.



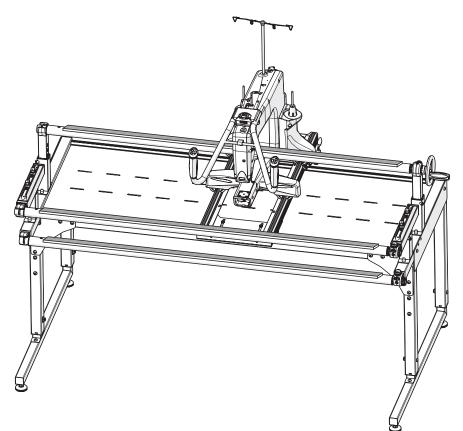
9 Now do the same for the other side of the rail.



# Crib Frame Assembly Installing the Velcro Tape (Continued)



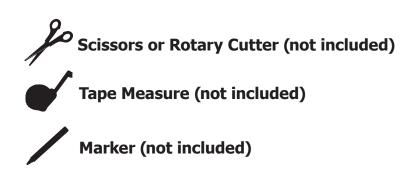
10 Repeat steps 6–9 for the other two rails.



# Step 13 - Installing Leader Cloth

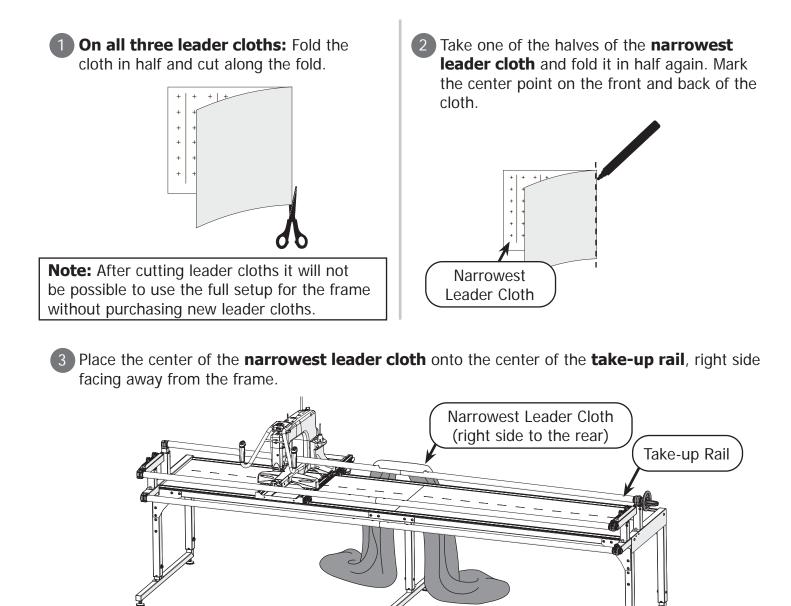
#### Parts & Tools Needed:

Leader Cloth Set



#### Instructions

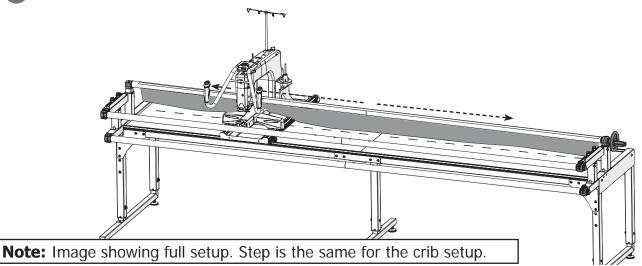
The leader cloths attach the quit to the frame while maximizing the quilt surface that the machine can reach.



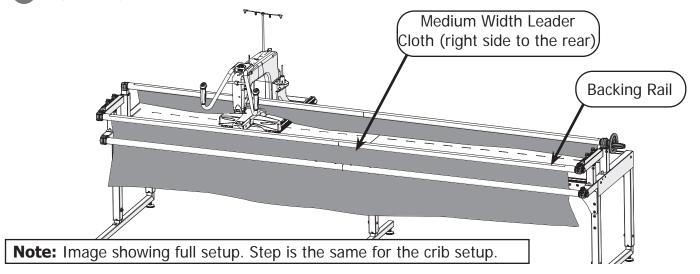
Note: Image showing full setup. Step is the same for the crib setup.

## Crib Frame Assembly Installing the Leader Cloth (Continued)

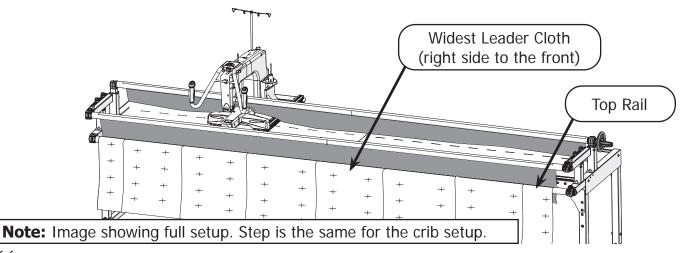
Moving from the center outward, spread the top edge of the leader cloth across the Velcro.



#### 5 Repeat steps 2–4 for the **medium width leader cloth** on the **backing rail**.

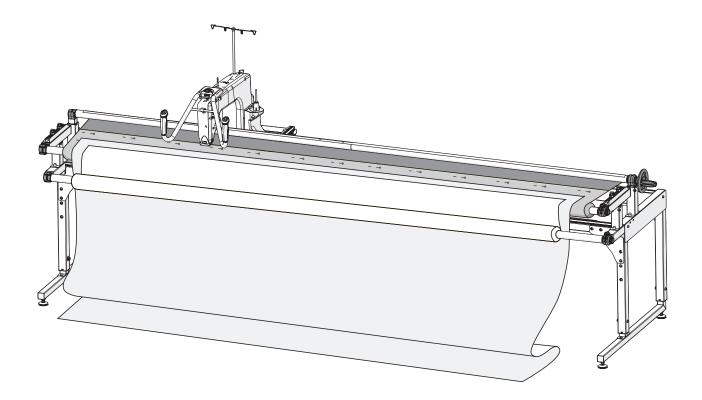


6 For half of the **widest leader cloth**, repeat steps 2–4, but drape the leader cloth over the front of the **top rail**, right side facing the front.



# Using Your Frame

This section describes how to attach fabric and how to use the channel locks.



# Using Your Frame Sizing the Quilt Backing and Batting

## Parts & Tools Needed:

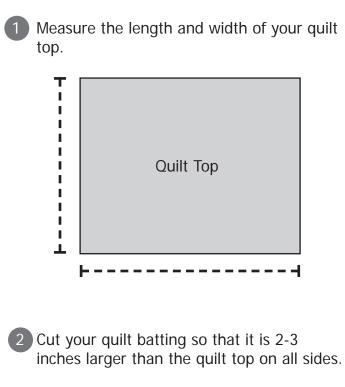
Pins (not included)

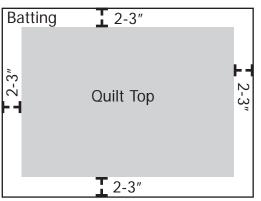
Fabric (not included)



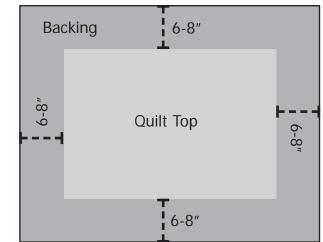
### Instructions

The quilt backing and batting must be properly sized for neat quilting.

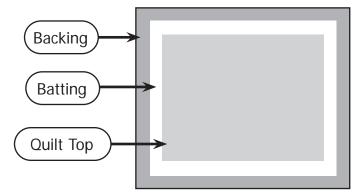




3 Cut your quilt backing so it is 6-8 inches larger than the quilt top.



4 Write down the lengths and width of the batting and backing so that when you place your quilt, you can make sure it is centered and arranged as shown below.



# **Attaching the Fabric**

#### Parts & Tools Needed:

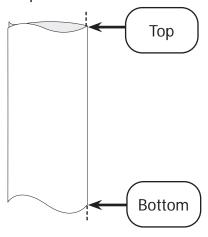
Pins (not included)

Fabric (not included)

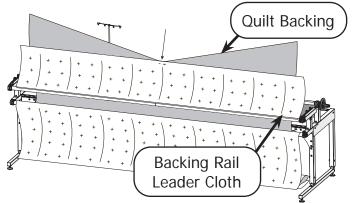
#### Instructions

Take the following steps to properly mount your quilt on the frame:

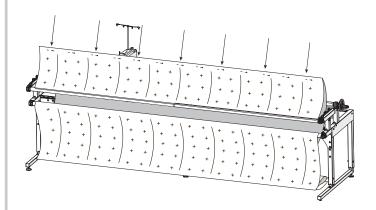
1 Fold your quilt's backing in half to find the center. Place a pin to mark the **top** and **bottom** center points.



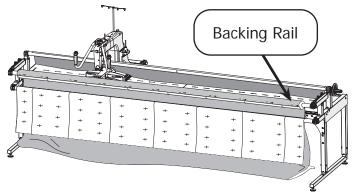
2 Pin the bottom center-point of your **quilt backing** to the center-point at the bottom of the **leader cloth** on the **backing rail**, with the right side facing the front.



3 Work from the center out and pin the edges of the quilt backing and leader cloth together.

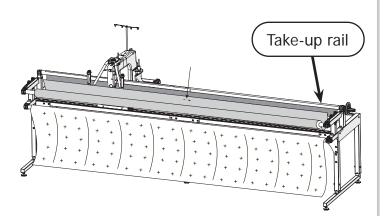


4 Roll the **backing rail** until the leader cloth is no longer visible. Take your time to smooth out the wrinkles and keep the backing straight.

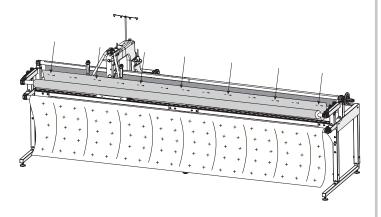


# Using Your Frame Attaching the Fabric (Continued)

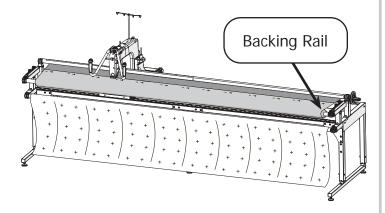
Pin the top center-point of your quilt backing to the center-point on the **takeup rail** leader cloth.



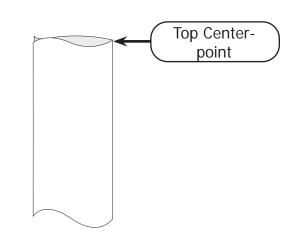
Work from the center out and pin the edges of the quilt backing and leader cloth together.



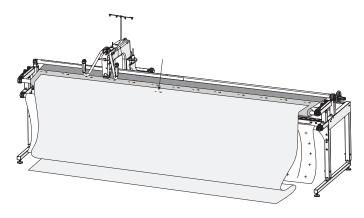
Roll the **backing rail** until the quilt backing is smooth and free of creases.



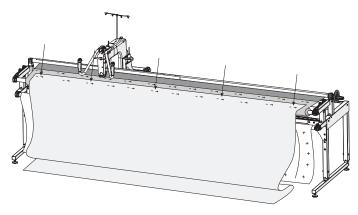
8 Fold your batting to locate the **top centerpoint**. Place a pin to mark it.



9 Pin the top center of your batting 4-5" below to the top center of the quilt backing.



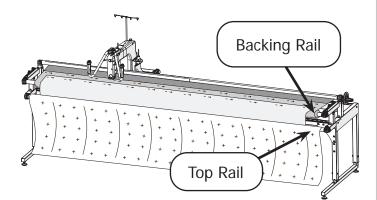
10 Working from the center out, pin the batting across the top edge of the quilt backing.

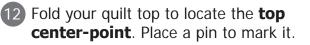


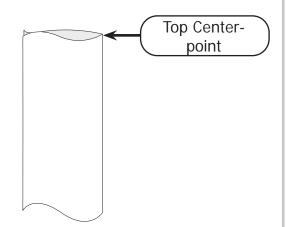
## Attaching the Fabric (Continued)



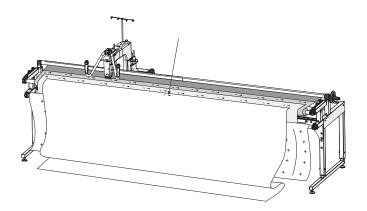
**11** Drape the bottom of the batting between the **backing** and **top rails**.



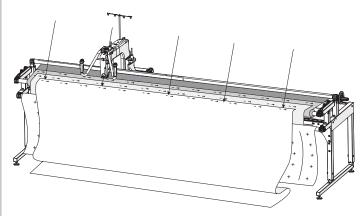




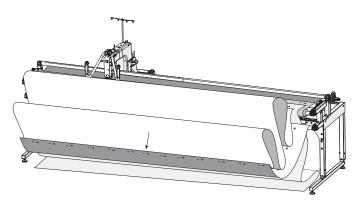
13 Pin the center of your guilt top 2-3" below the top center of the batting. The right side of your quilt should face up.



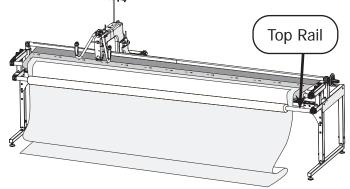
Pin down the top of the quilt from the (14)center out.



**15** Pin the bottom of the quilt top to the bottom of the final leader cloth. Start from the center and work outward.

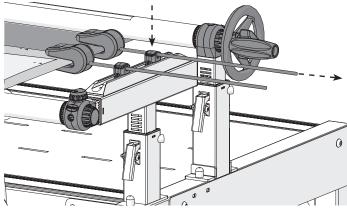


16 Roll the **top rail** until the quilt top is smooth and free of creases. Do not pull too tight: excess tension will cause fabric to bunch around stitches when removed from frame.

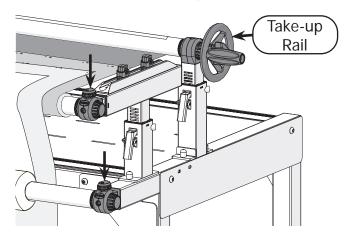


# Using Your Frame Attaching the Fabric (Continued)

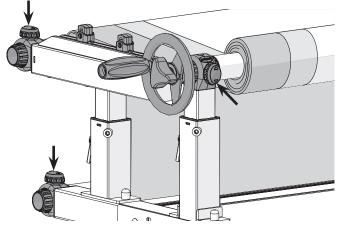
17 To hold up the edges of the quilt, slide the fabric into the bungee clamps. Tension by pressing down on the bungee stops and pulling the bungee tail.



18 Roll up your quilt as you go. Turn the top knobs on the front rails to release the quilt tension. Then ratchet up the **take-up rail**.



19 To return to a place you've already quilted and rolled up, loosen knobs on all the rails. Then roll up the fabric on two front rails.

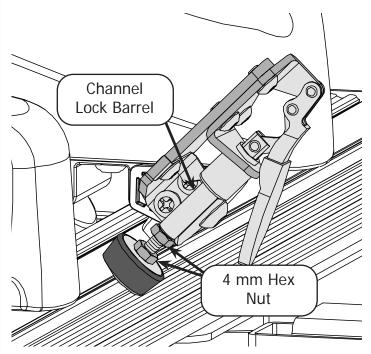


# Using the Channel Locks

#### Instructions

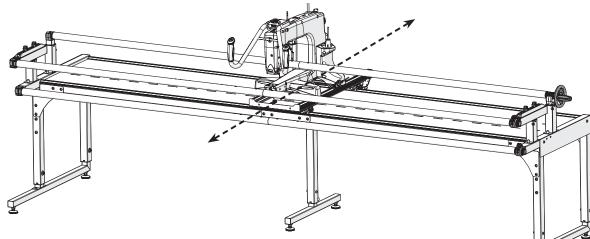
The channel locks assist with stitching in a straight line by inhibiting the movement of the bottom carriage or machine.

- **On both channel locks:** Flip down the arm on the machine channel lock to close the channel lock. Channel Lock Arm ) On both channel locks: If the rubber foot doesn't reach the track, twist it to extend it until it does. Rubber Foot  $(\Omega)$
- 3 **On both channel locks:** To prevent the rubber foot from loosening over time, use needle nose pliers or a wrench to tighten the bottom **4 mm hex nut** against the rubber foot. Tighten the other hex nut against the **channel lock barrel**.

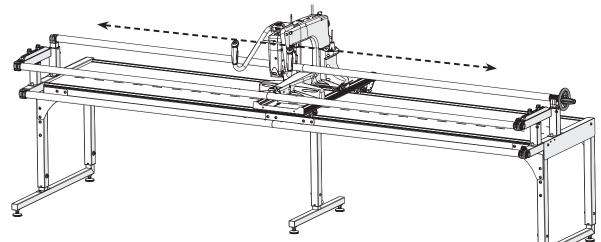


# Using Your Frame Using the Channel Locks(Continued)

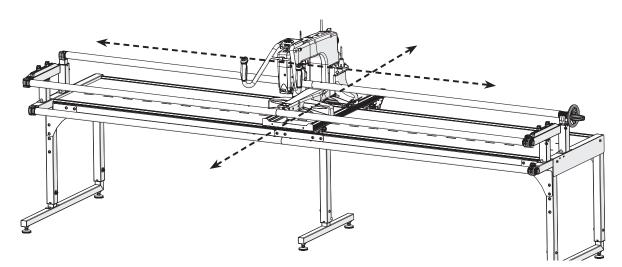
4 To move the machine back and forth on the bottom carriage and create a straight vertical line, close only the bottom carriage channel lock.



5 To move the machine across the frame and create a straight horizontal line, close only the channel lock on the machine.



6 Open both channel locks to resume unrestricted quilting.



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