

# QuiltMotion

## Frame Assembly Instructions



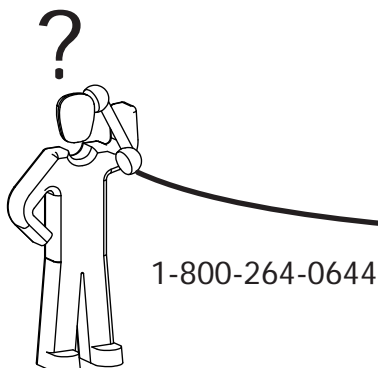
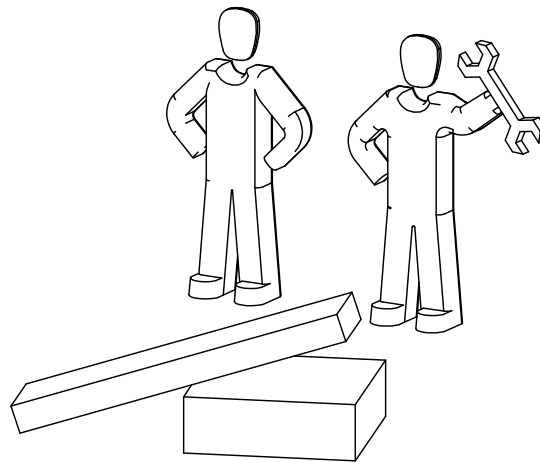
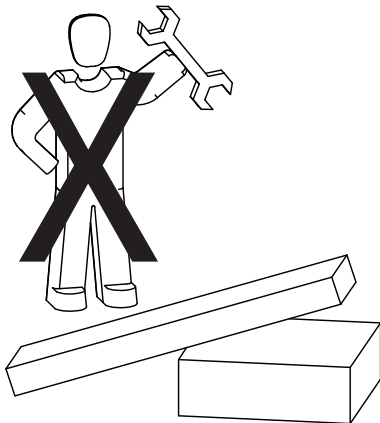
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Version 1.2

# Warranty | QuiltMotion

## Warranty

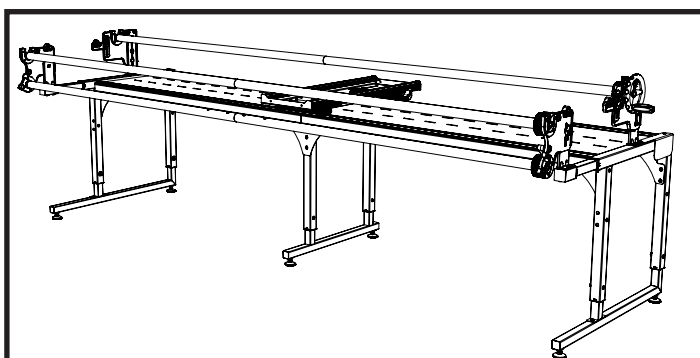
Warranty Information for your QuiltMotion.

The QuiltMotion has a One-Year limited warranty on all parts. The Grace Company will repair or replace, at its discretion, any part with problems due to our manufacturing or defects in materials. This warranty does not cover parts damaged through misuse, improper storage, improper assembly, loss, natural events, and willful destruction. Parts must be returned to the Grace Company, shipping prepaid, before we can repair or replace them. We will promptly return the repaired/replaced part at our expense if done within a year of the purchase date.



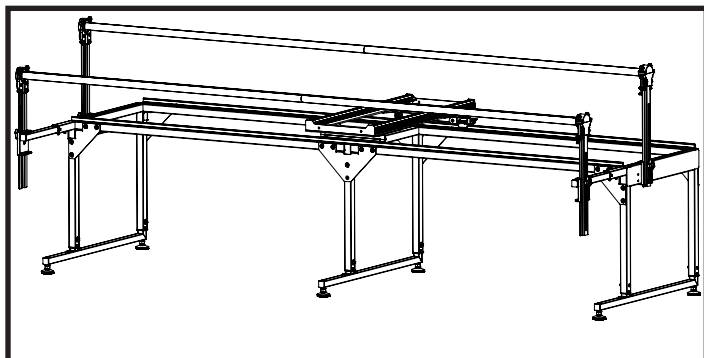
Choose your Frame from the images below.

Proceed to the page number associated with your Frame.



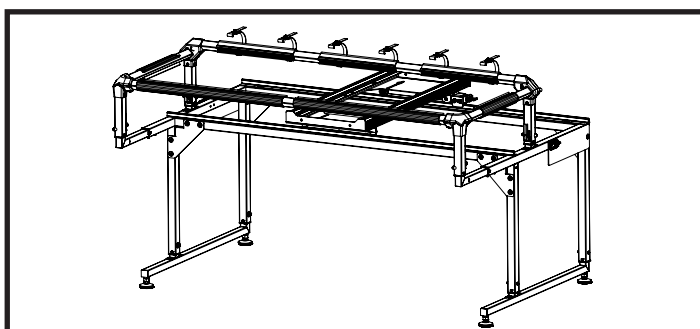
**Continuum Frame**

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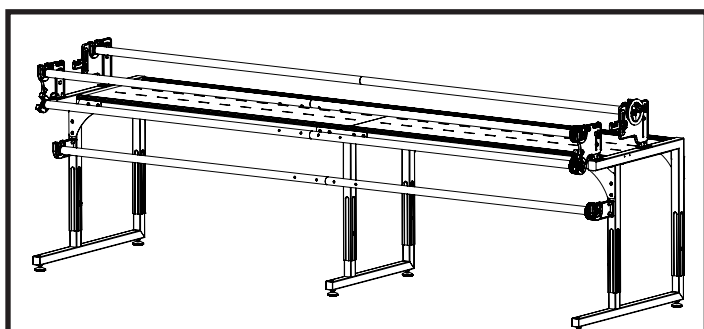
**Q-Zone Queen Frame**

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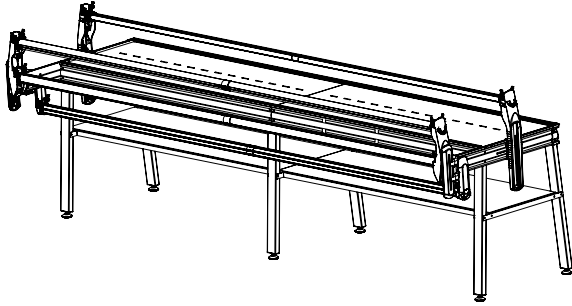
**Q-Zone Hoop-Frame**

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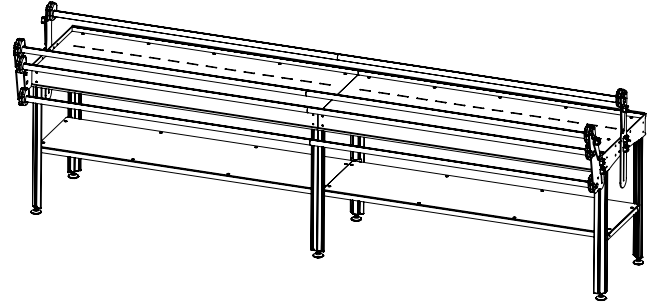
**Q'nique Frame**

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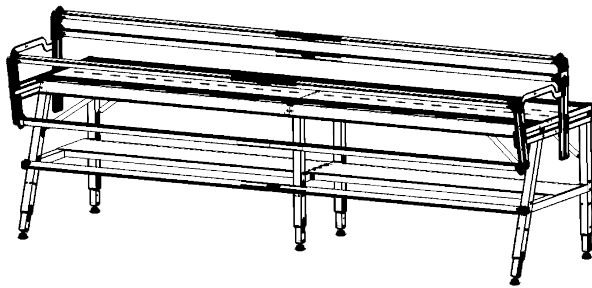
**Pinnacle Frame**

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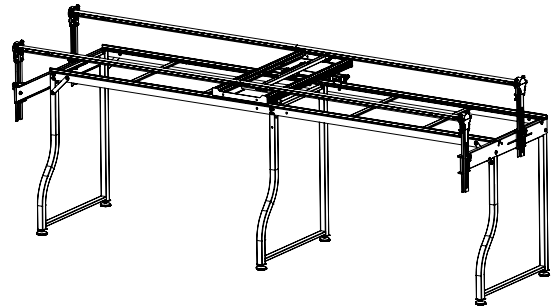
**Next Generation Frame**

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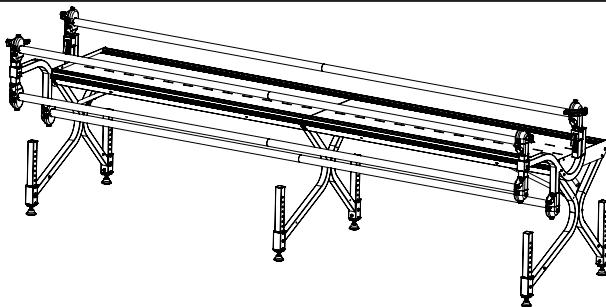
**GQ Frame**

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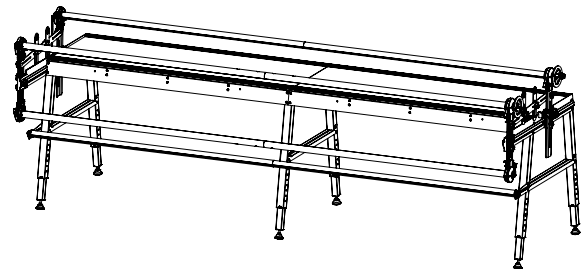
**SR2 & SR2+ Frames**

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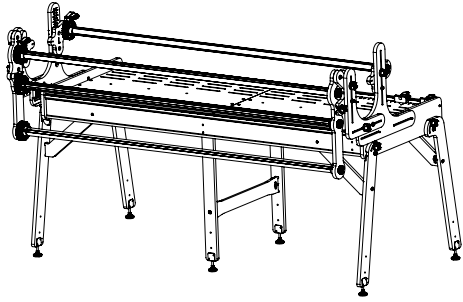
**Bernina & Bernina V2**

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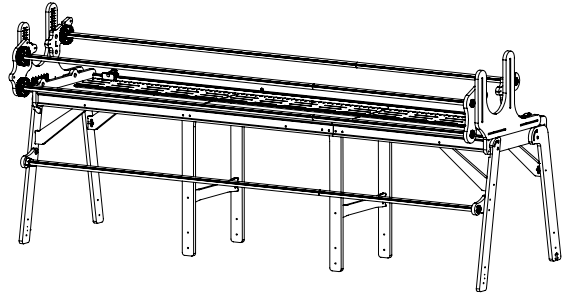
**Majestic Frame**

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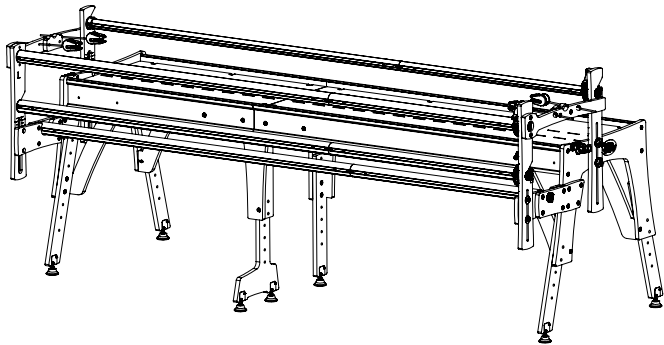
### **GMQ Pro Frame**

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### **Little Gracie II Frame**

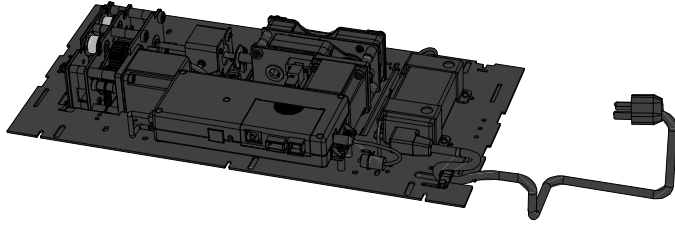
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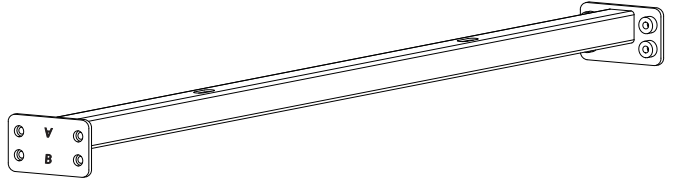
### **Gracie King/Queen Frame**

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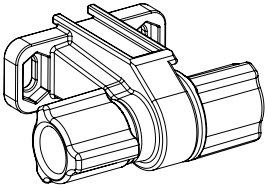
# Parts List Box 1 | QuiltMotion



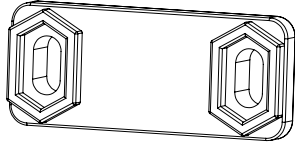
**Motor Plate (1)**



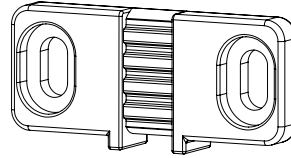
**Top Belt Bracket (1)**



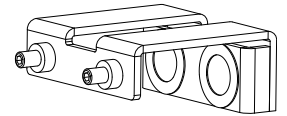
**Belt Tensioner (2)**



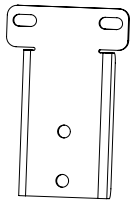
**Front Belt Clamp (2)**



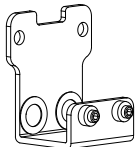
**Back Belt Clamp (2)**



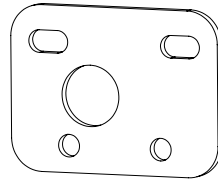
**Continuum QM Belt Bracket (2)**



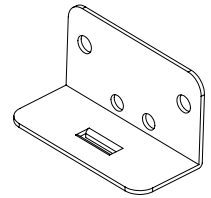
**Q-Zone Queen QM Belt Bracket (2)**



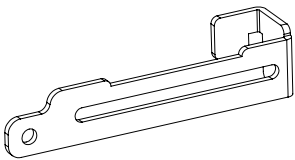
**Q-Zone Hoop-Frame QM Belt Bracket (2)**



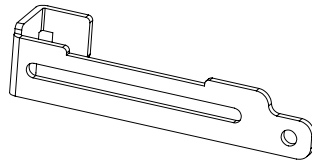
**SR2 & SR2+ QM Belt Bracket (2)**



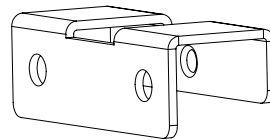
**Wood Frame QM Belt Bracket (2)**



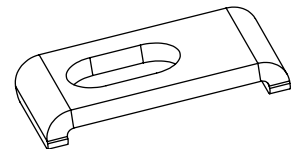
**Majestic QM Belt Bracket Left (1)**



**Majestic QM Belt Bracket Right (1)**

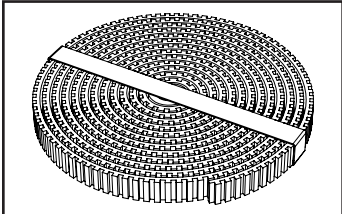


**Next Generation QM Belt Bracket (2)**

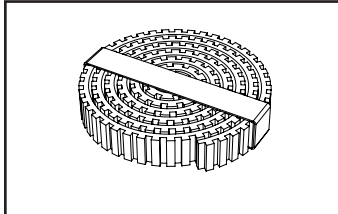


**Motor Plate Clamp (5)**

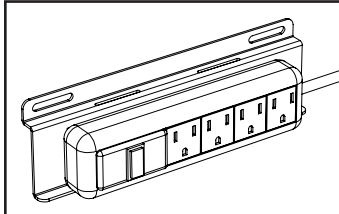
# Parts List Box 1 | QuiltMotion



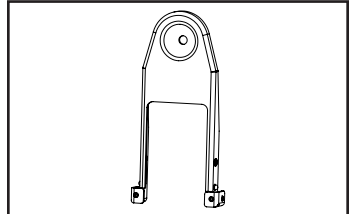
**Long Belt (1)**



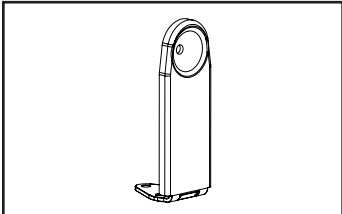
**Short Belt (1)**



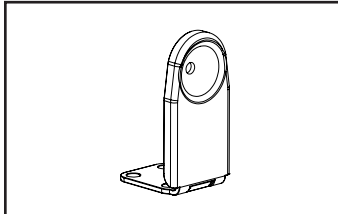
**Power Strip  
(1)**



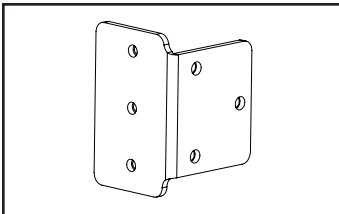
**QCT Bracket  
Q'nique 15 (1)**



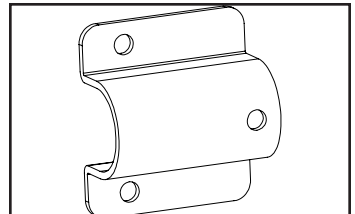
**QCT Bracket  
Q'nique 19 (1)**



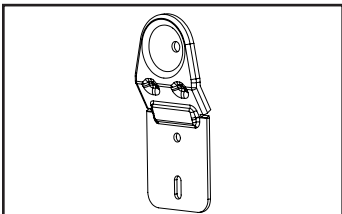
**QCT Bracket  
Q'nique 21 (1)**



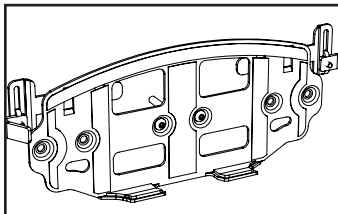
**QCT Angle Support  
Bracket (1)**



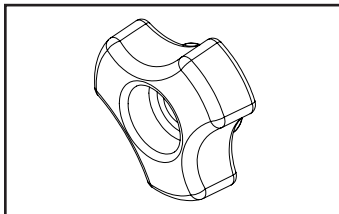
**QCT Top Plate  
U-Bracket (1)**



**QCT Bracket  
Top Plate (1)**



**Tablet Tray (1)**



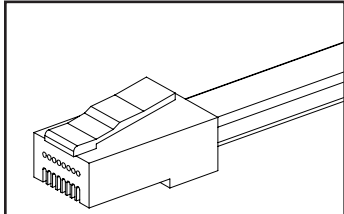
**M6 Knob (1)**

# Parts List Box 1 | QuiltMotion

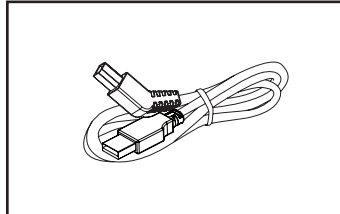
A long hex head screw with a flat hexagonal head.	A medium-length hex head screw with a flat hexagonal head.	A short hex head screw with a flat hexagonal head.	A very short hex head screw with a flat hexagonal head.
<b>M6 x 40mm SBHCS (2)</b>	<b>M6 x 25mm SBHCS (6)</b>	<b>M6 x 20mm SBHCS (7)</b>	<b>M6 x 10mm SBHCS (8)</b>
A long hex head screw with a flat hexagonal head.	A medium-length hex head screw with a flat hexagonal head.	A short hex head screw with a flat hexagonal head.	A long hex head bolt with a hexagonal head and a hexagonal nut on top.
<b>M5 x 35mm SBHCS (1)</b>	<b>M5 x 20mm SBHCS (4)</b>	<b>M5 x 10mm SBHCS (8)</b>	<b>M6 x 40mm Hex Bolt (6)</b>
A medium-length hex head bolt with a hexagonal head and a hexagonal nut on top.	A short hex head bolt with a hexagonal head and a hexagonal nut on top.	A very short hex head bolt with a hexagonal head and a hexagonal nut on top.	A standard hexagonal nut.
<b>M6 x 25mm Hex Bolt (2)</b>	<b>M6 x 20mm Hex Bolt (4)</b>	<b>M6 x 10mm Hex Bolt (4)</b>	<b>Hex Nut M6 (15)</b>
A long, hollow metal cylinder.	A shorter, hollow plastic cylinder.	A combination wrench with both open and closed ends.	A long, thin L-shaped Allen key.
<b>M6 Metal Spacer (2)</b>	<b>M6 Plastic Spacer (2)</b>	<b>10mm &amp; 13mm Box End Wrench (1)</b>	<b>2mm Allen Wrench (1)</b>
A long, thin L-shaped Allen key.	A long, thin L-shaped Allen key.	A long, thin L-shaped Allen key.	
<b>2.5mm Allen Wrench (1)</b>	<b>3mm Allen Wrench (1)</b>	<b>4mm Allen Wrench (1)</b>	



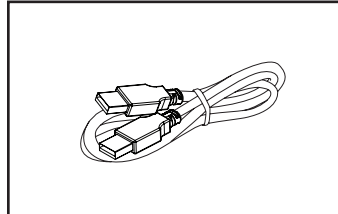
# Parts List Box 1 | QuiltMotion



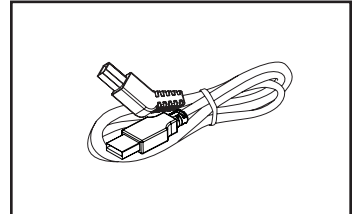
**6P/6C QuiltMotion Cable (1)**



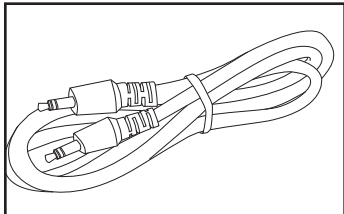
**7' QuiltMotion USB Cable (1)**



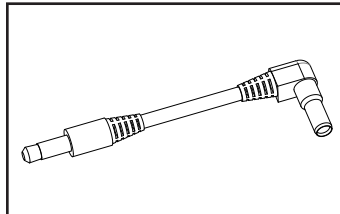
**Male to Male USB Adapter Cable (1)**



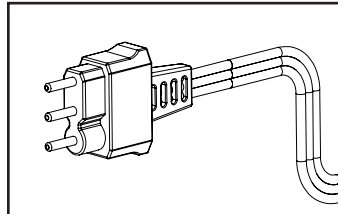
**Q'nique to QuiltMotion USB (1)**



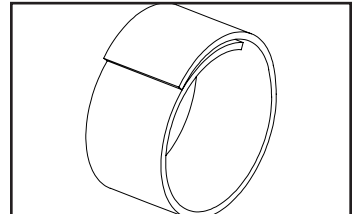
**Sewing Cable (Juki 98) (1)**



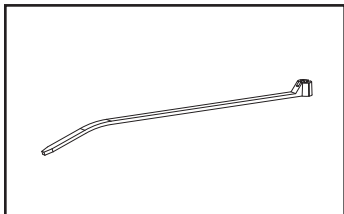
**Sewing Cable (Juki 2000Q/2010Q) (1)**



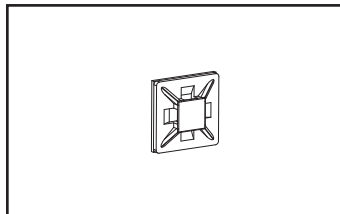
**Sewing Cable 3 Prong (Janome) (1)**



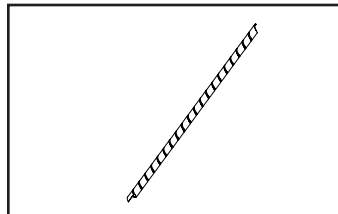
**Velcro Strips (6)**



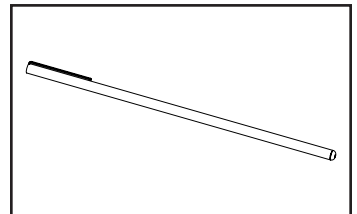
**Zip Tie (8)**



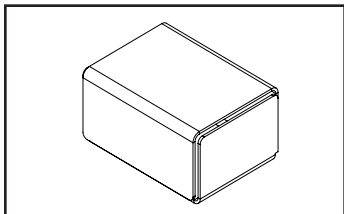
**Zip Tie Mount (6)**



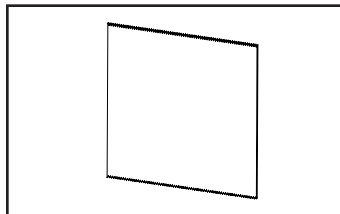
**Cable Wrap (1)**



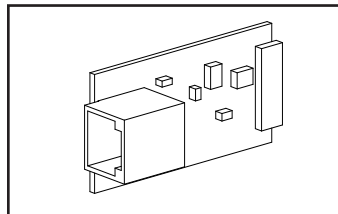
**Stylus (1)**



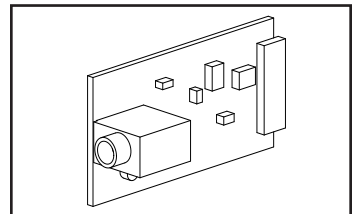
**Software Box (1)**



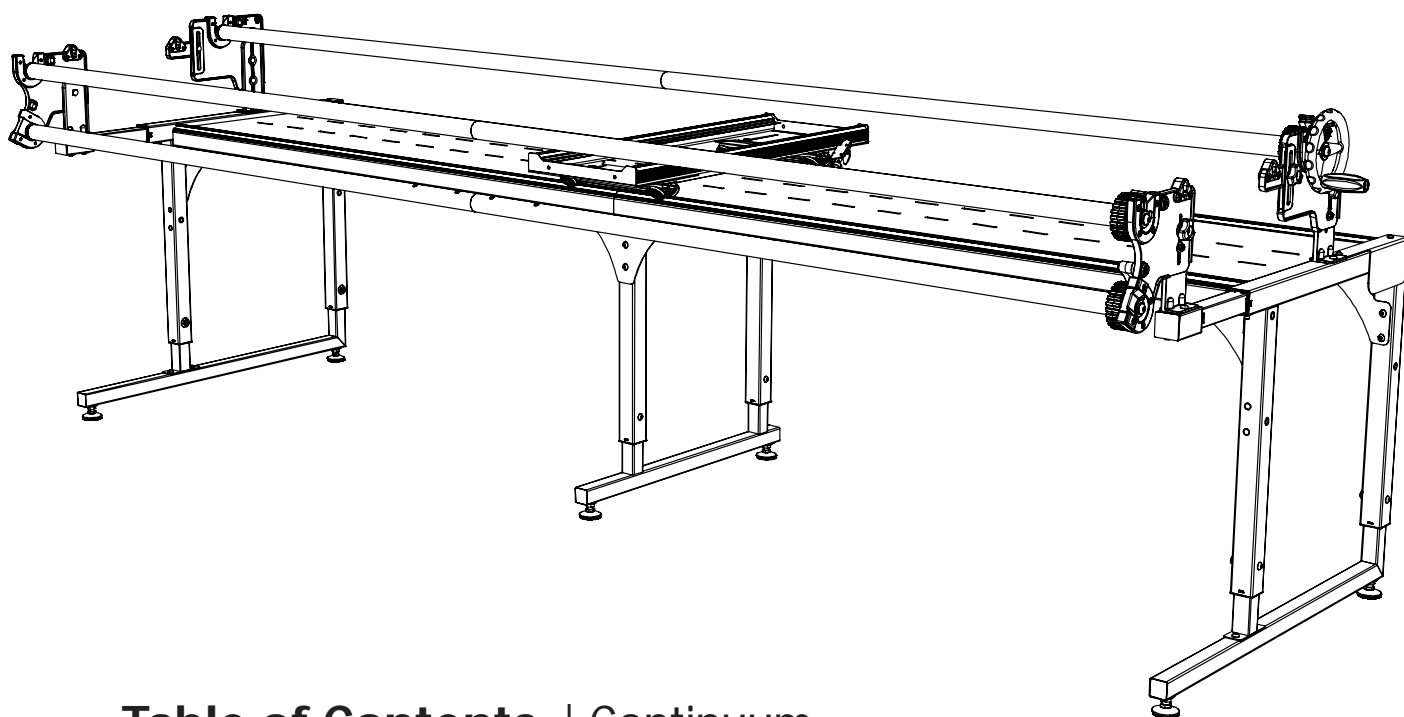
**Cloth (1)**



**Long Arm Sewing Board (1)**



**Short Arm Sewing Board (1)**



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Step 3b: Short Belt Installation - Q'nique 21" ..... page 7

Step 3c: Short Belt Installation - Top Plate ..... page 9

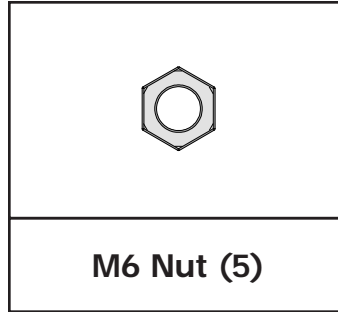
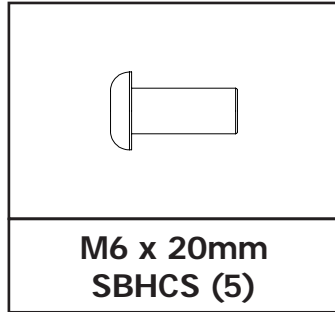
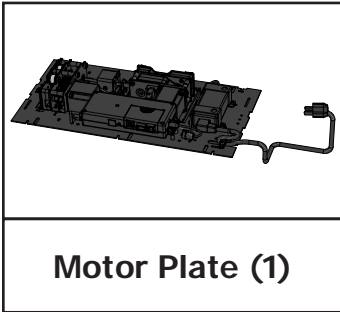
### Continuum Frame

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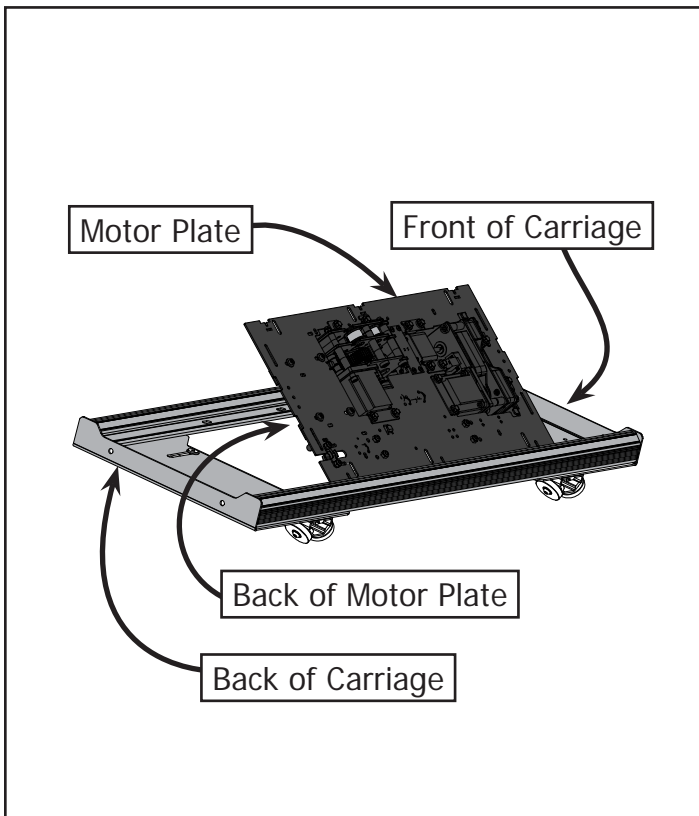
## Step 1 – Motor Plate Installation

Parts Needed:

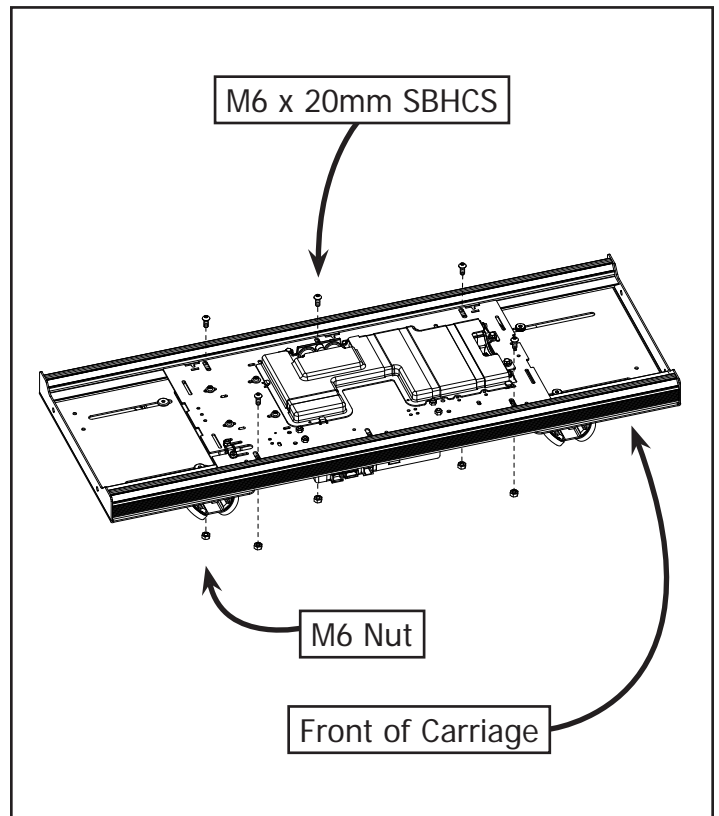


Tools Needed:

4mm Allen Wrench  
10mm & 13mm Box End Wrench



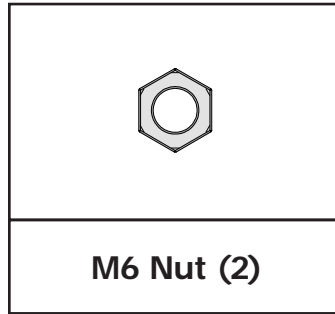
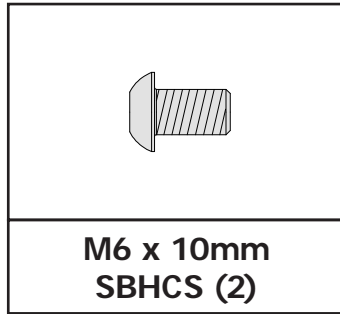
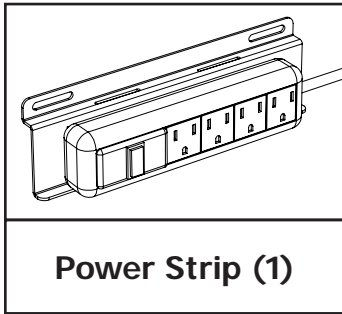
**1-1:** Insert the Motor Plate into the Bottom Carriage at an angle.



**1-2:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS and (5) M6 Nuts through the slots in the Bottom Carriage.

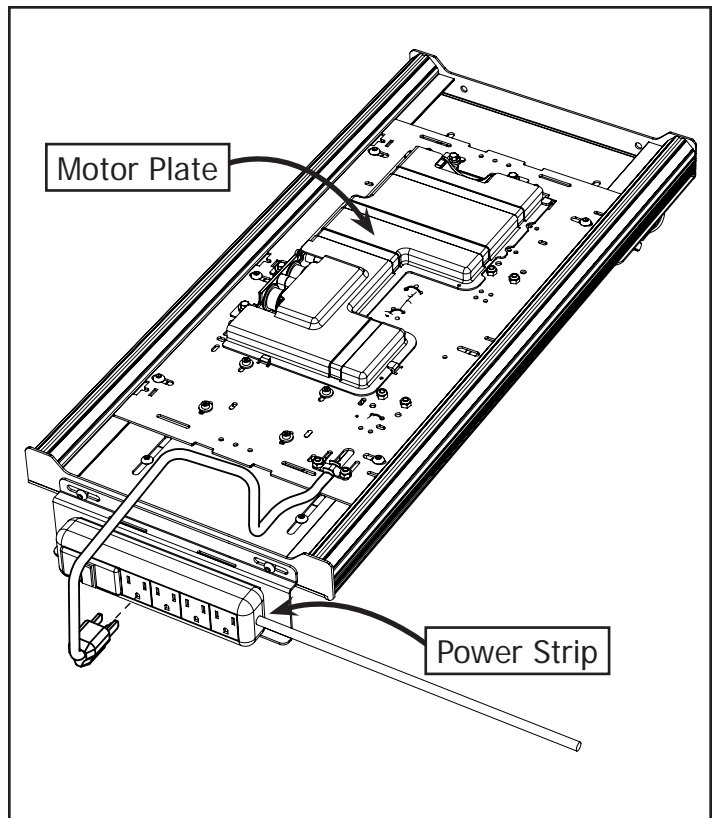
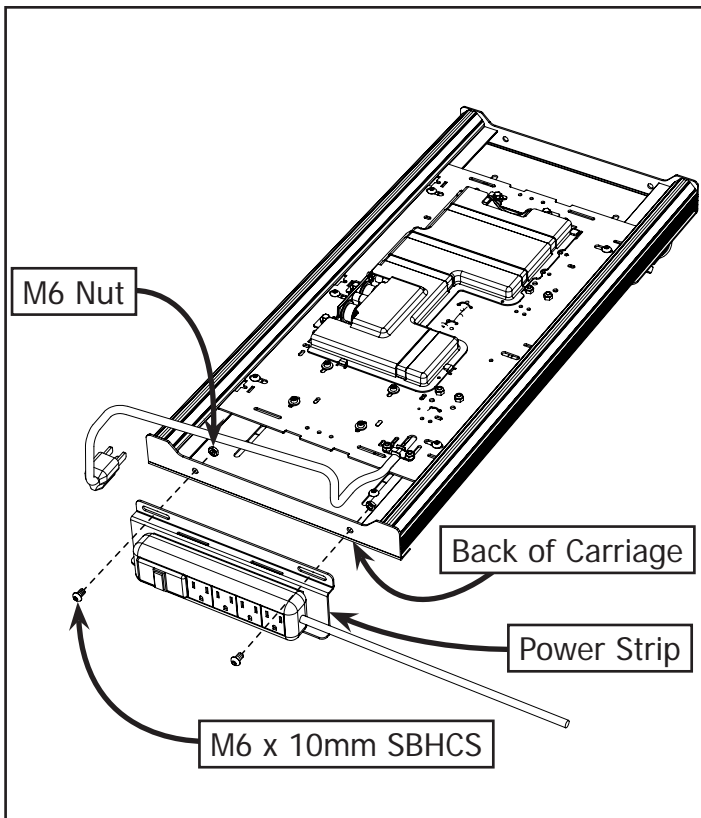
## Step 2 - Power Strip Installation

Parts Needed:



Tools Needed:

- 4mm Allen Wrench
- 10mm & 13mm Box End Wrench

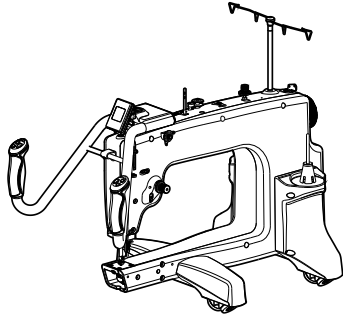


**2-1:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.

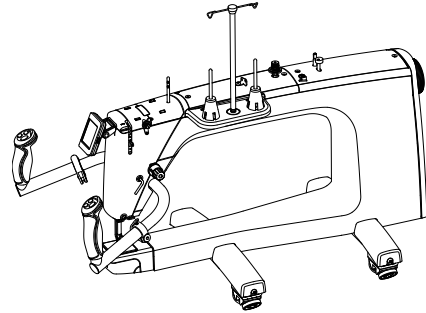
**2-2:** Plug the Motor Plate into the Power Strip.

## Step 3 – Choose your Machine or Top Plate.

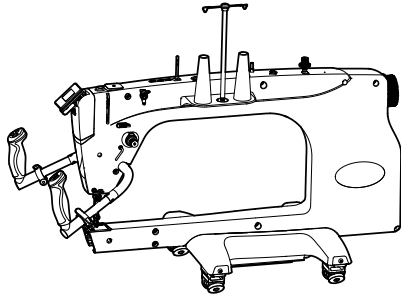
Proceed to the page number associated with your Machine or Top Plate.



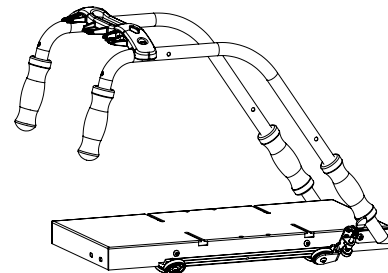
**Q'nique 15**  
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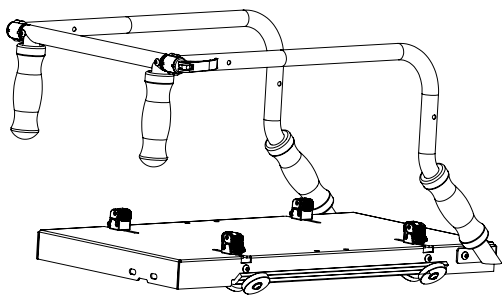
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**Q'nique 21**  
Turn to page 7



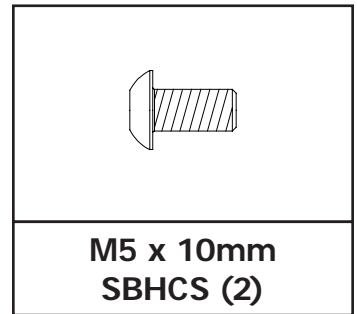
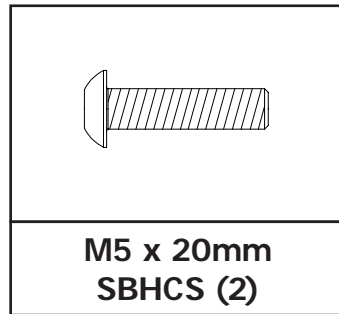
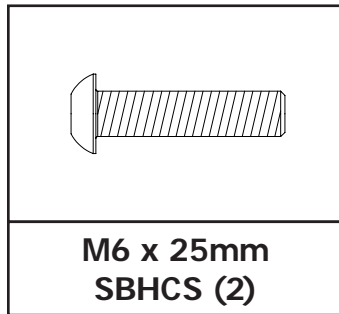
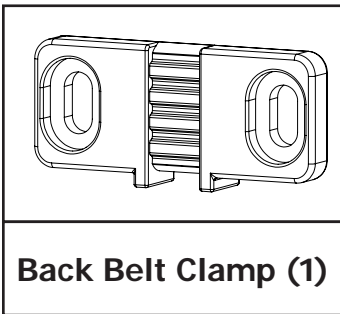
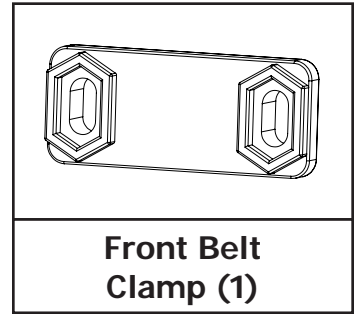
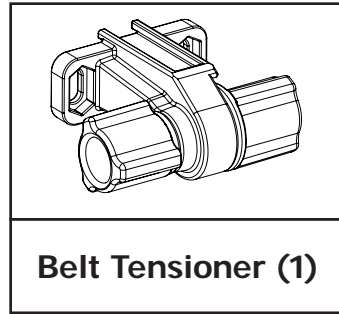
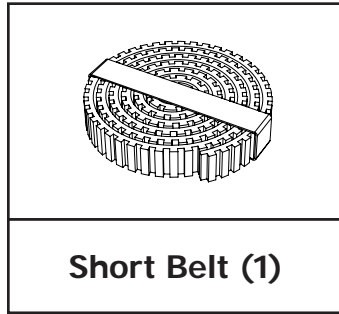
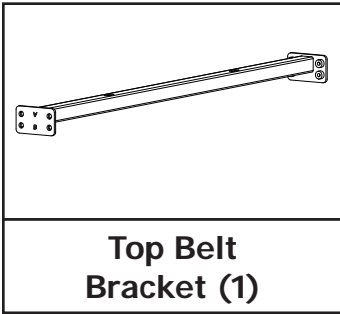
**G-Series Top Plate**  
Turn to page 9



**G-Series 2 Top Plate**  
Turn to page 9

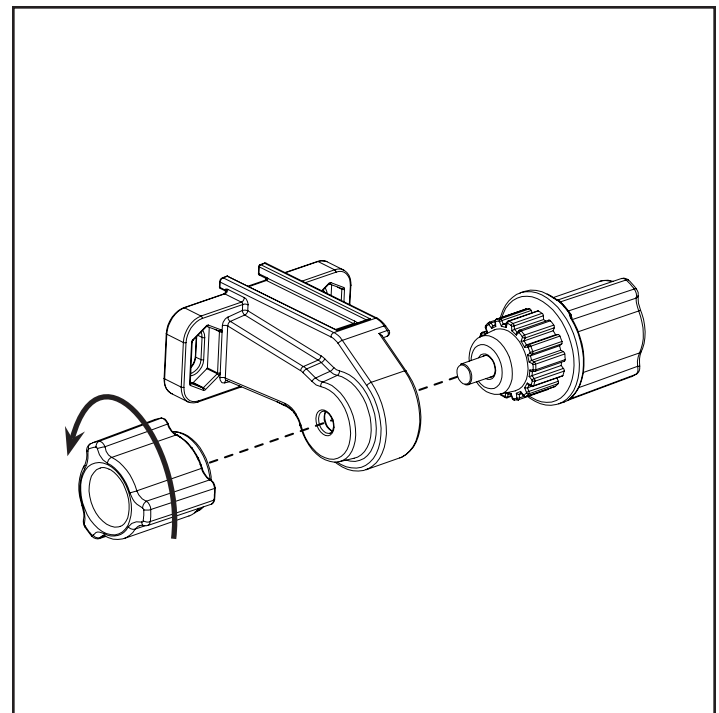
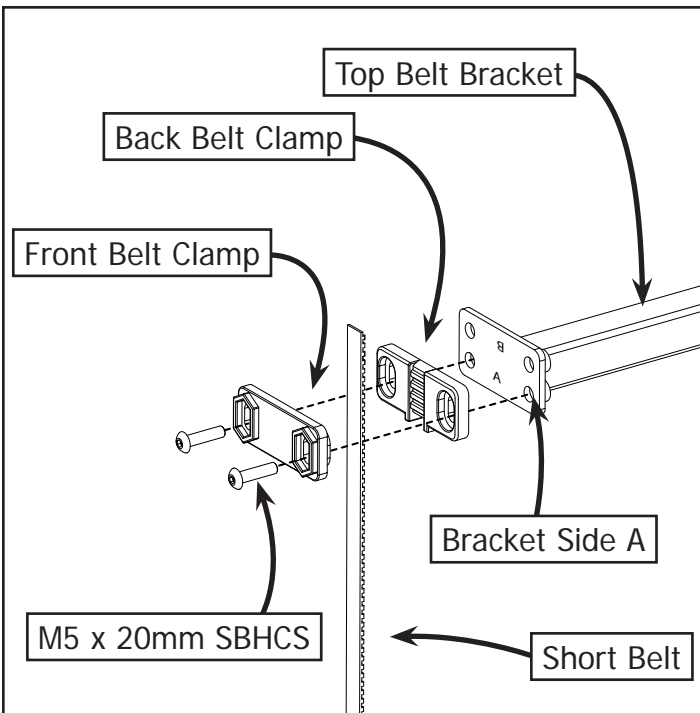
## Step 3a – Short Belt Installation - Q'nique 15" & 19"

Parts Needed:



Tools Needed:

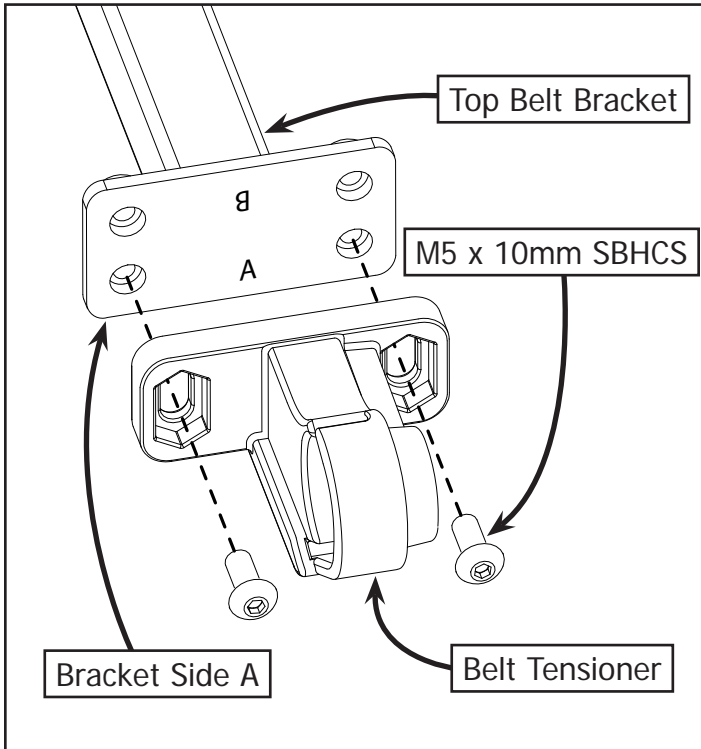
- 3mm Allen Wrench
- 4mm Allen Wrench



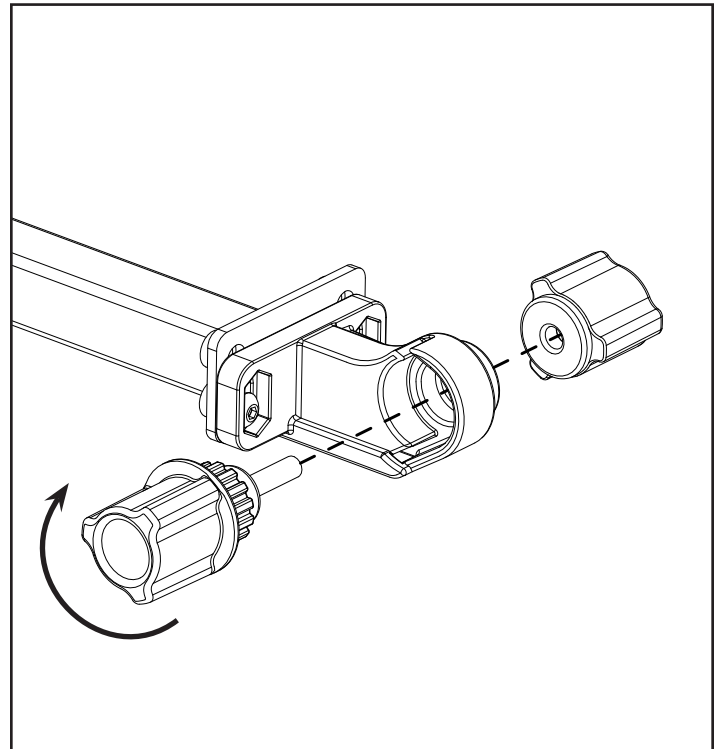
**3-1a:** Place the more curled end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side A.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.

**3-2a:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.

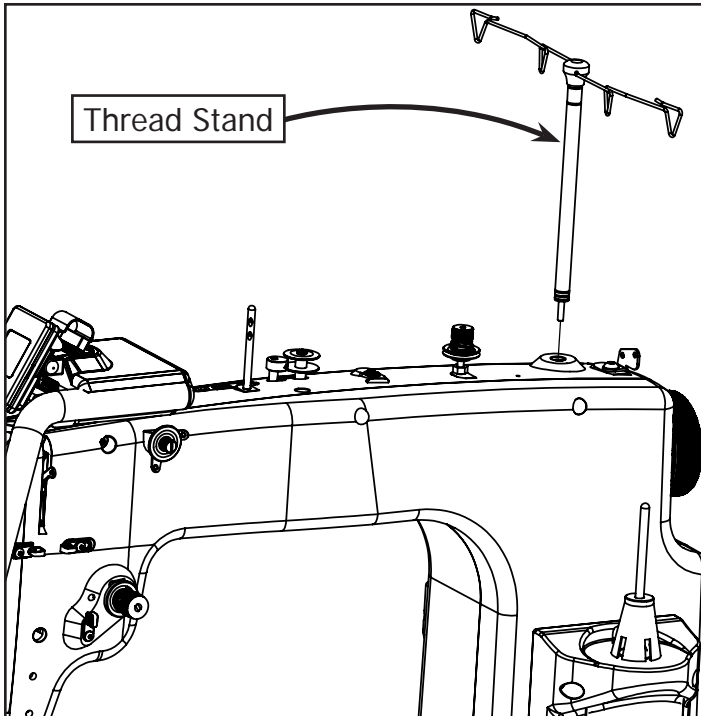
# Continuum Frame | QuiltMotion



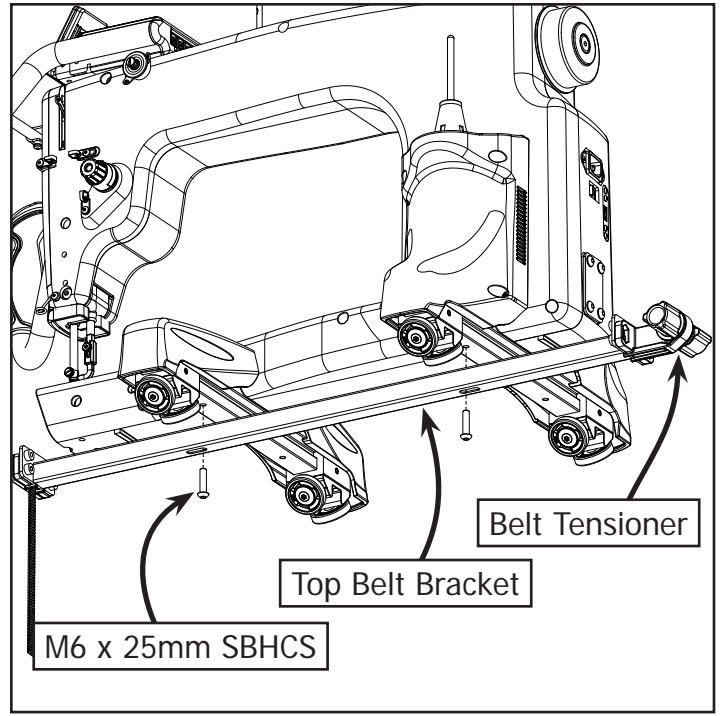
**3-3a:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side A using (2) M5 x 10mm SBHCS.



**3-4a:** Re-Install the Belt Tensioner Knobs.



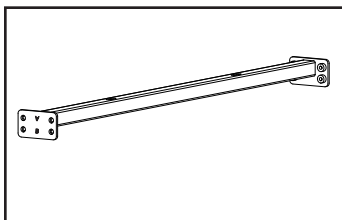
**3-5a:** Remove the Thread Stand from your machine. See your machine manual for instructions.



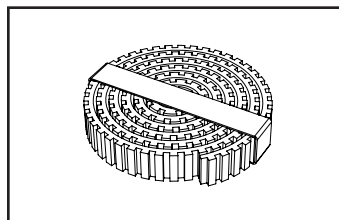
**3-6a:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.

## Step 3b – Short Belt Installation - Q'nique 21"

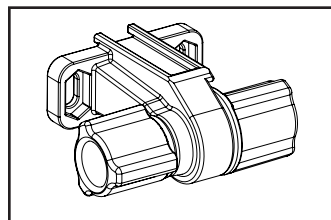
Parts Needed:



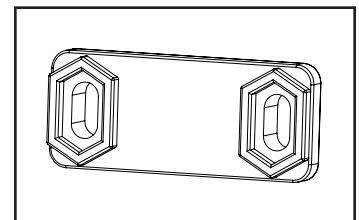
Top Belt Bracket (1)



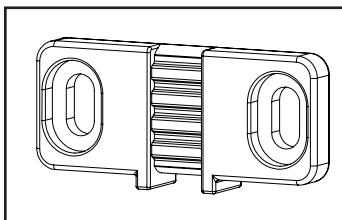
Short Belt (1)



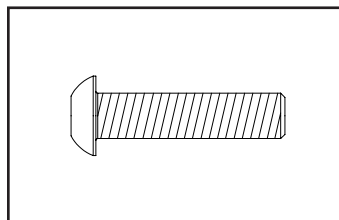
Belt Tensioner (1)



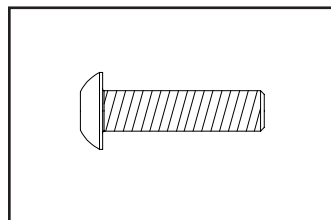
Front Belt Clamp (1)



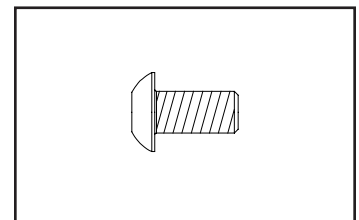
Back Belt Clamp (1)



M6 x 25mm SBHCS (2)



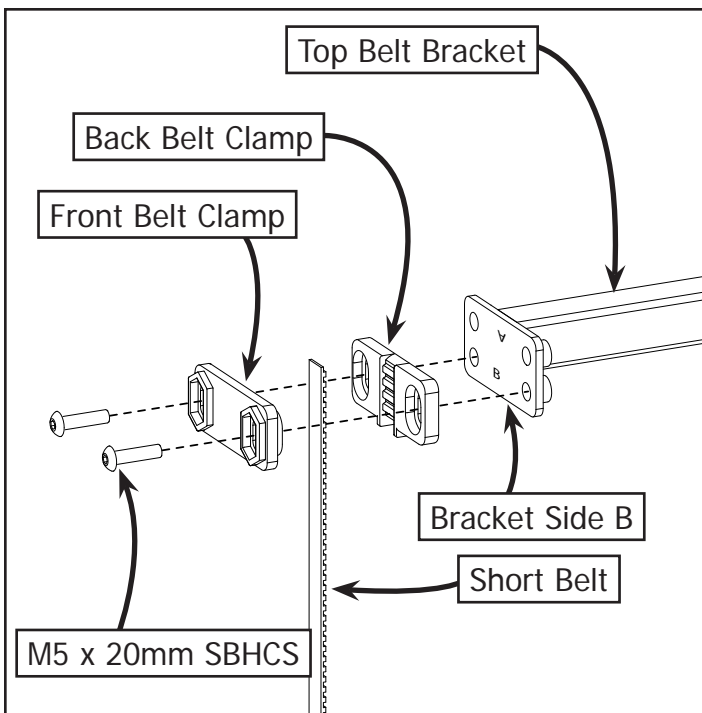
M5 x 20mm SBHCS (2)



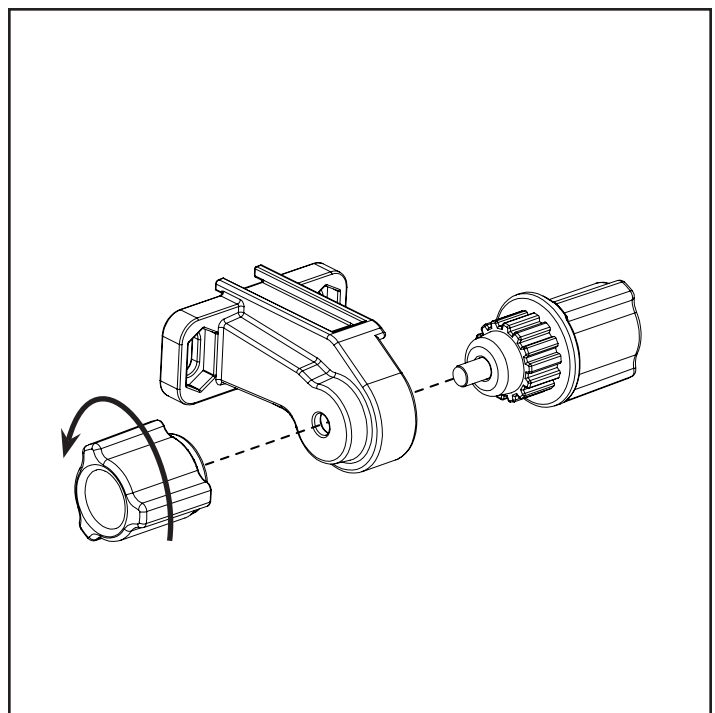
M5 x 10mm SBHCS (2)

Tools Needed:

- 3mm Allen Wrench
- 4mm Allen Wrench



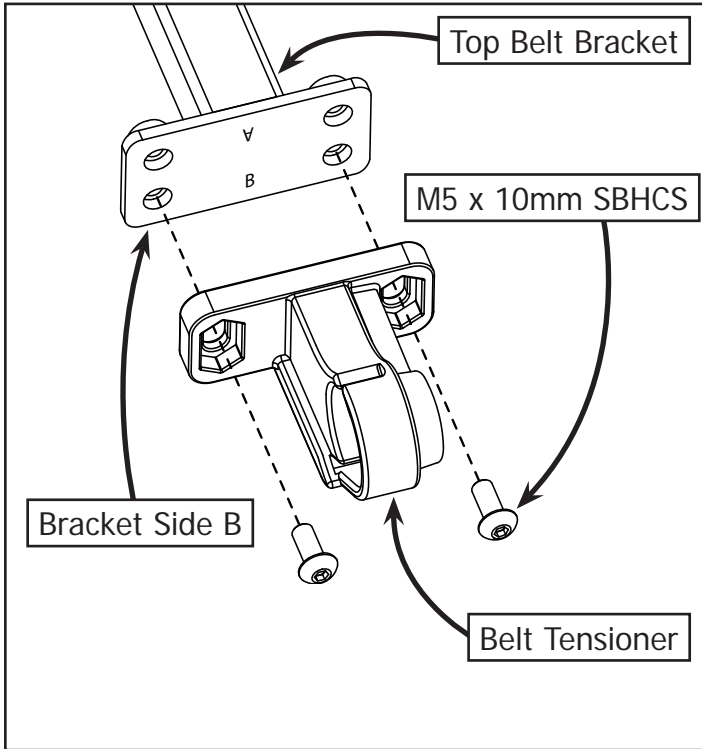
**3-1b:** Place the more curled end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side B.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.



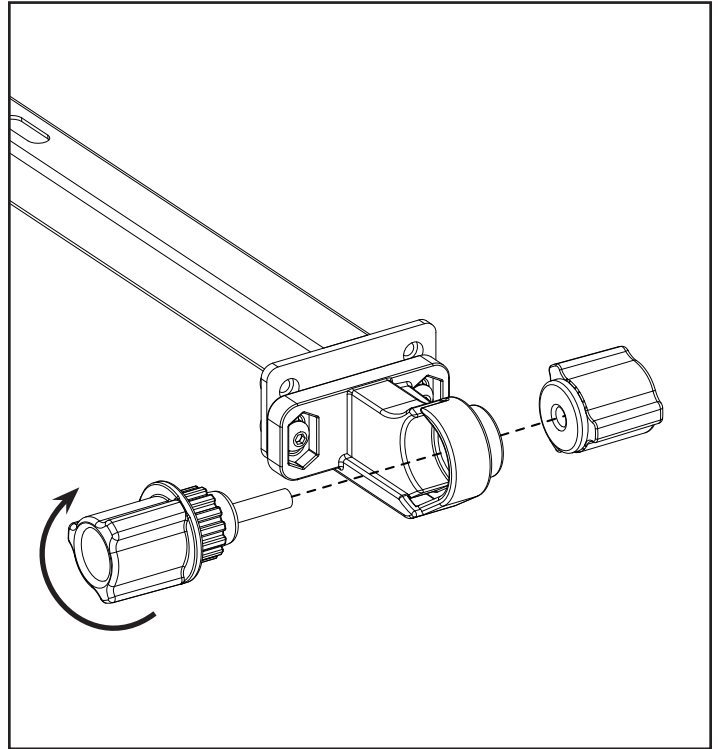
**3-2b:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



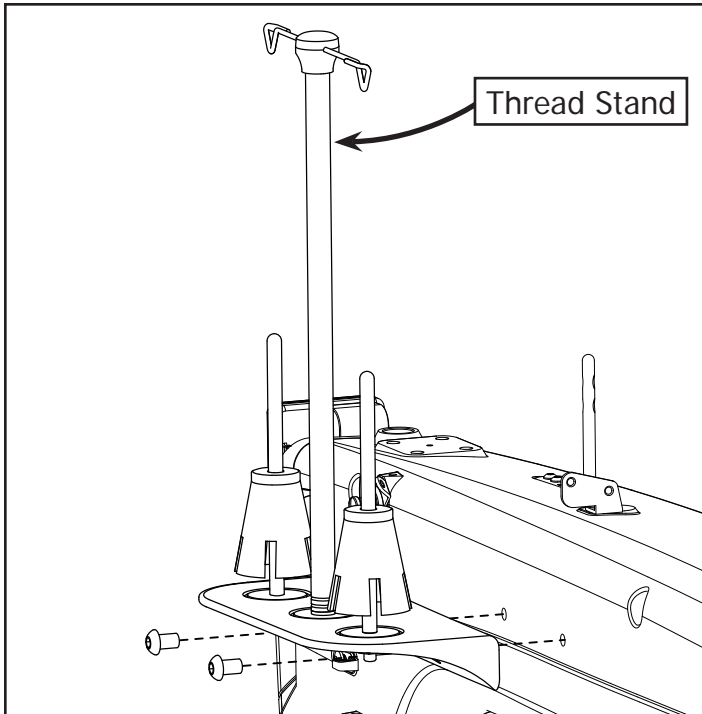
# Continuum Frame | QuiltMotion



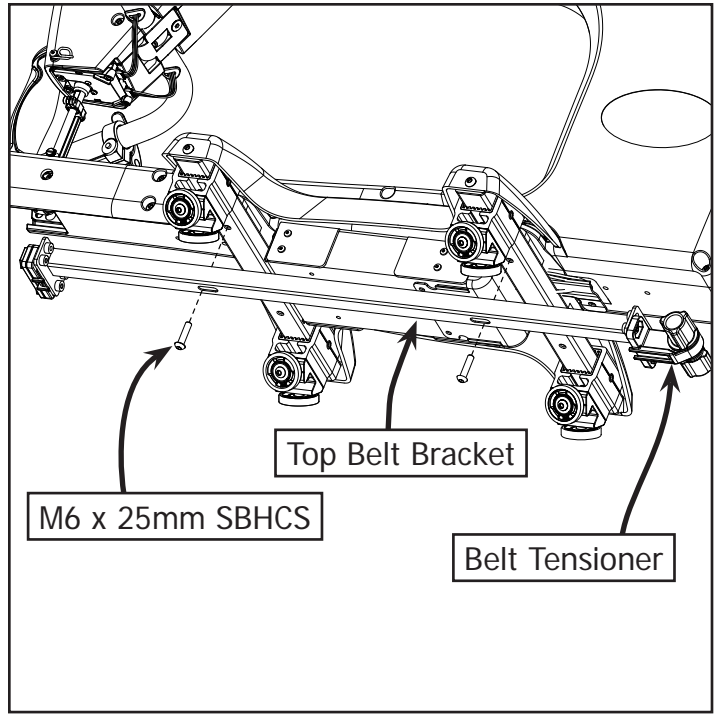
**3-3b:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side B using (2) M5 x 10mm SBHCS.



**3-4b:** Re-Install the Belt Tensioner Knobs.



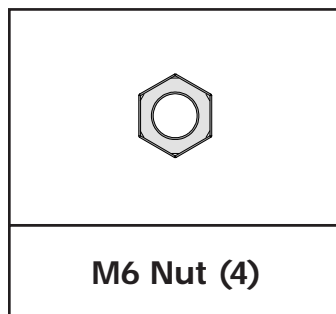
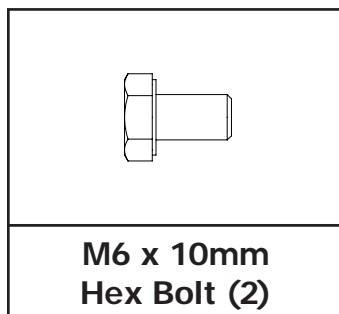
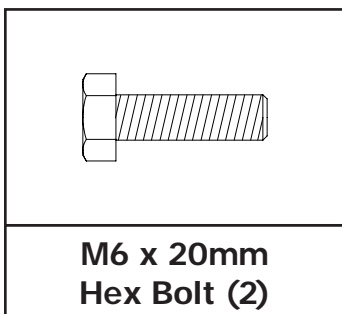
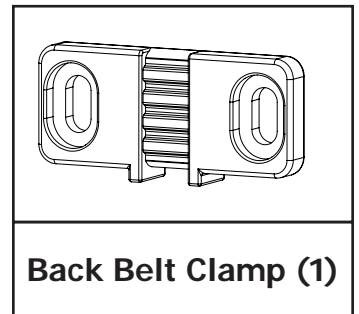
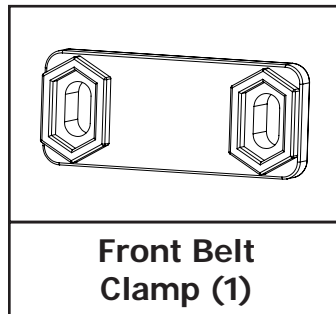
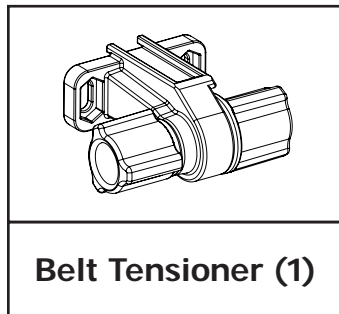
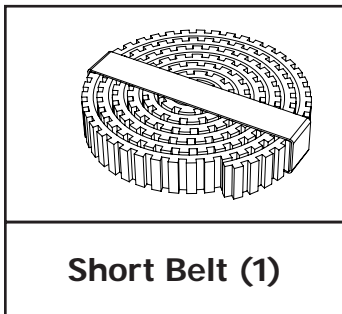
**3-5b:** Remove the Thread Stand from your machine. See your machine manual for instructions.



**3-6b:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.

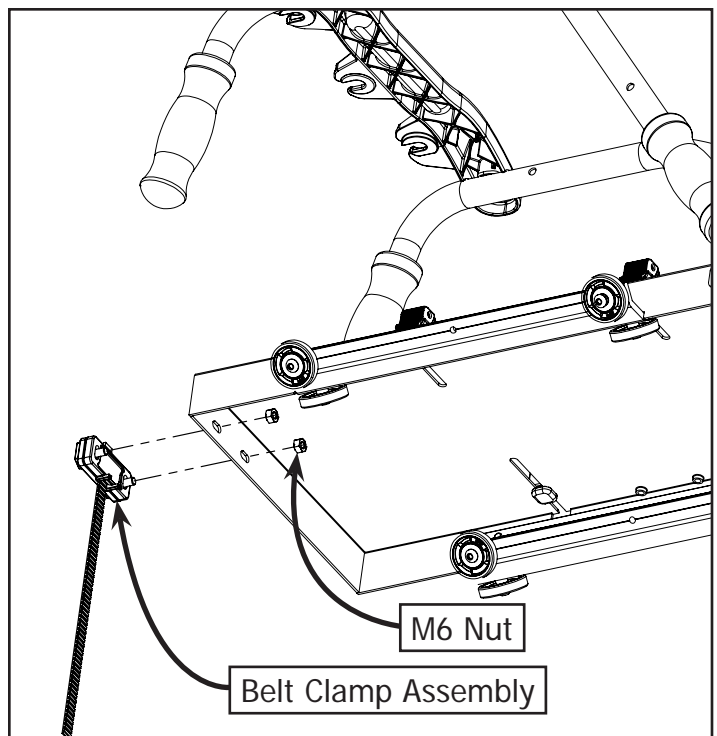
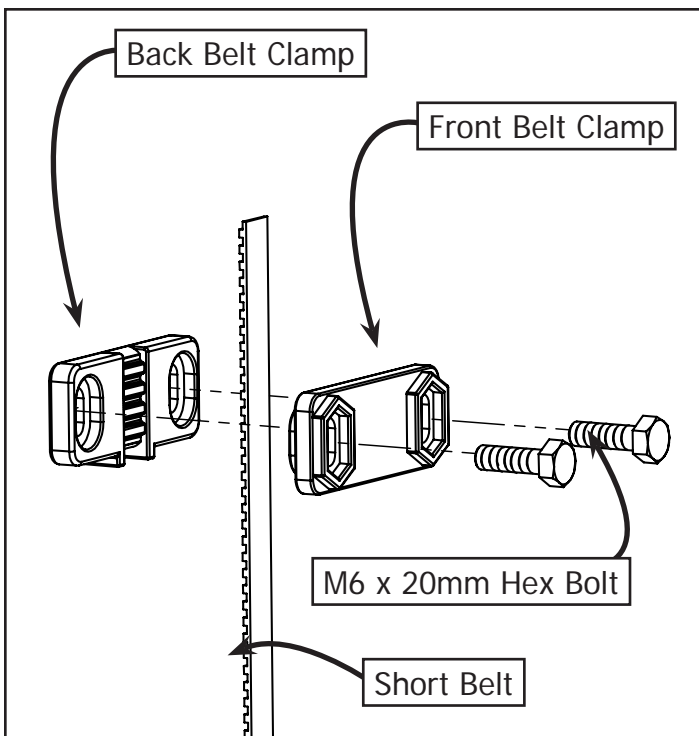
## Step 3c – Short Belt Installation - Top Plate

Parts Needed:



Tools Needed:

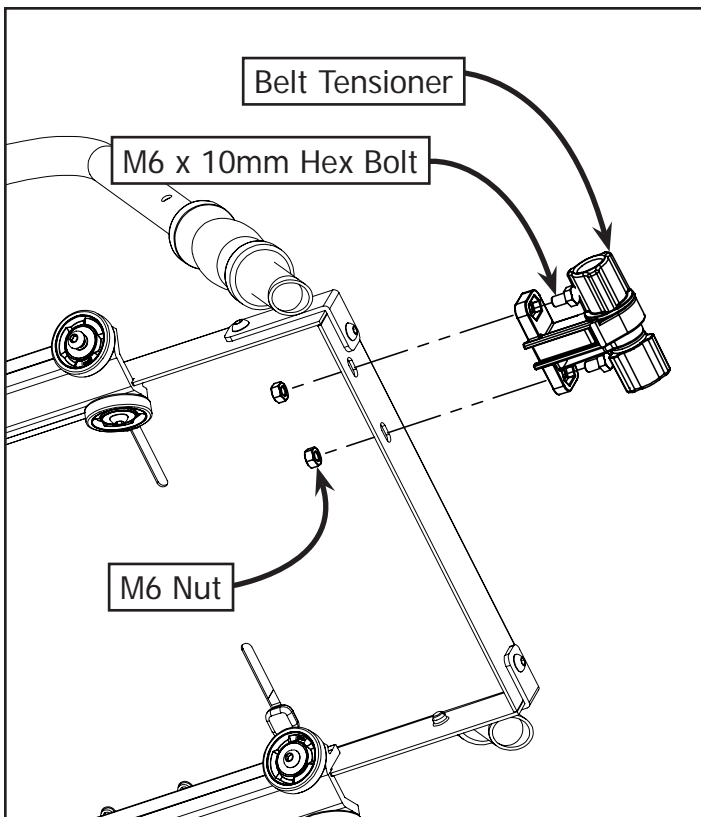
10mm & 13mm Open End Wrench



**3-1c:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and place (2) M6 x 20mm Hex Bolts through the Belt Clamp.

**3-2c:** Assemble the completed assembly (from Step 3-1b) to the front end of the Top Plate using (2) M6 Nuts.

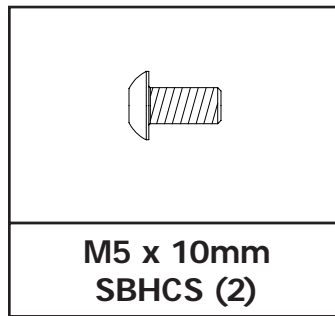
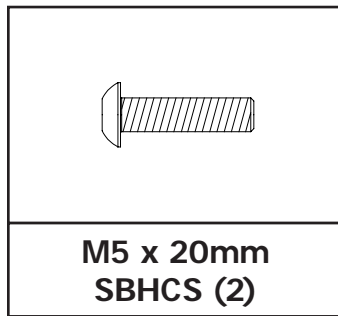
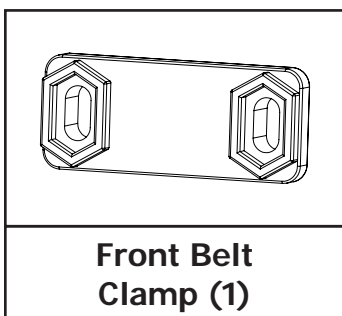
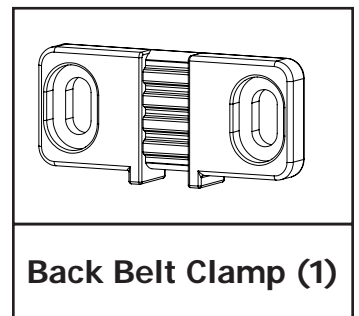
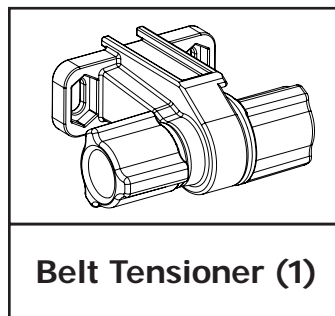
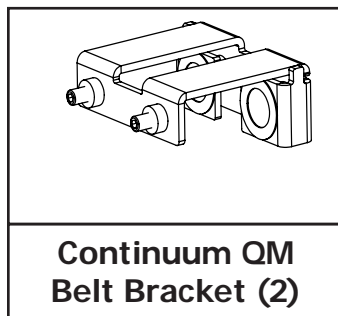
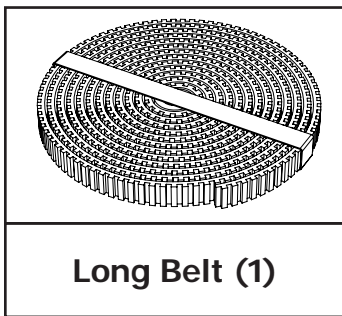
**Note:** The teeth of the belt should be facing towards the Top Plate.



**3-3c:** Assemble the Belt Tensioner onto the opposite end of the Top Plate using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.

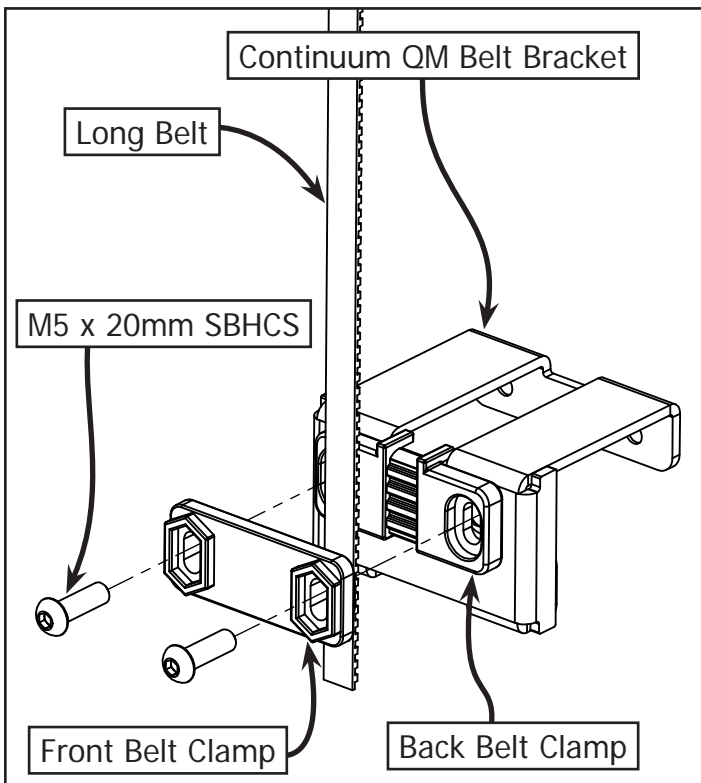
## Step 4 – Long Belt Installation

Parts Needed:

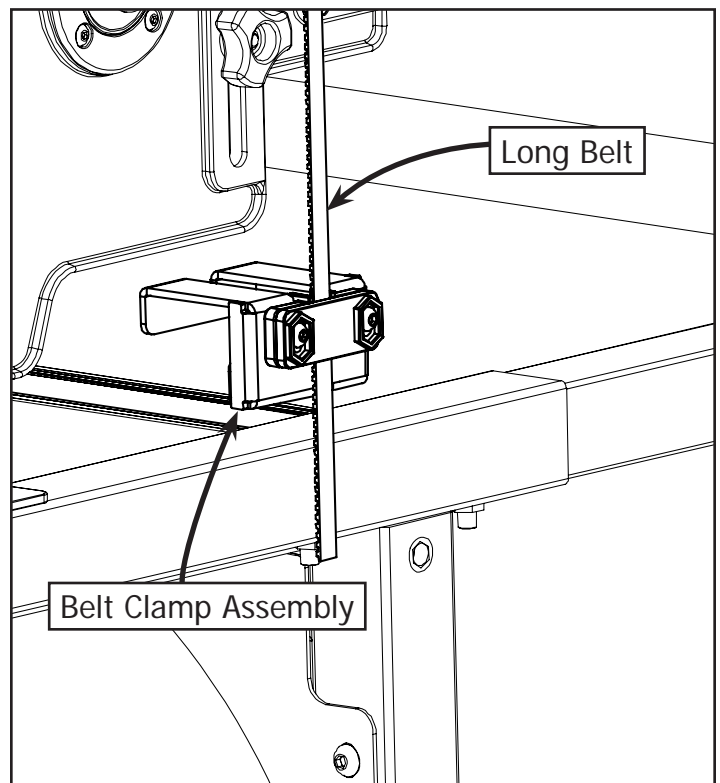


Tools Needed:

3mm Allen Wrench

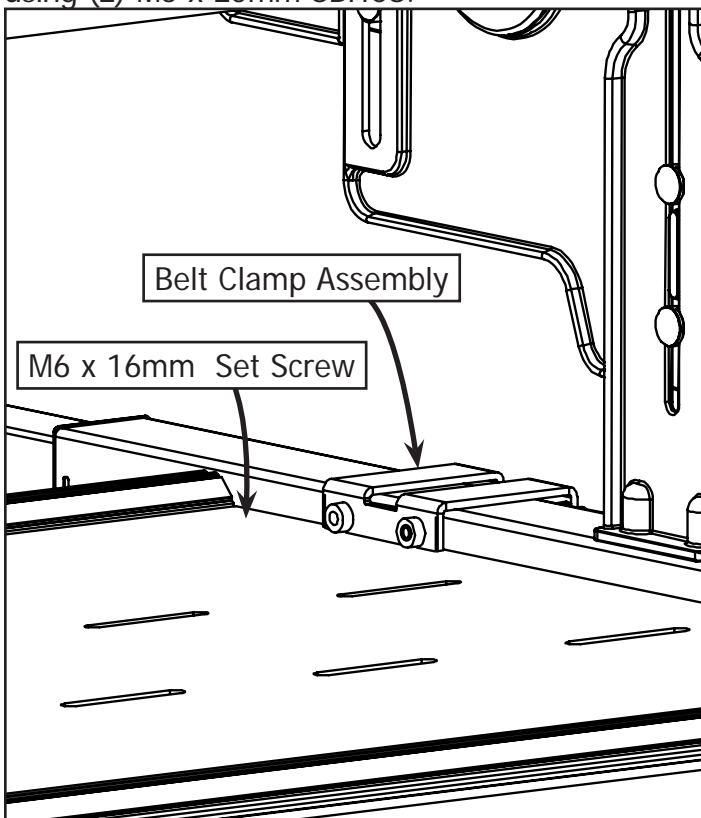


**4-1:** Place the most curly end of the Long Belt into the Back Belt Clamp. Install the Front and Back Belt Clamps to the Continuum QM Belt Bracket using (2) M5 x 20mm SBHCS.

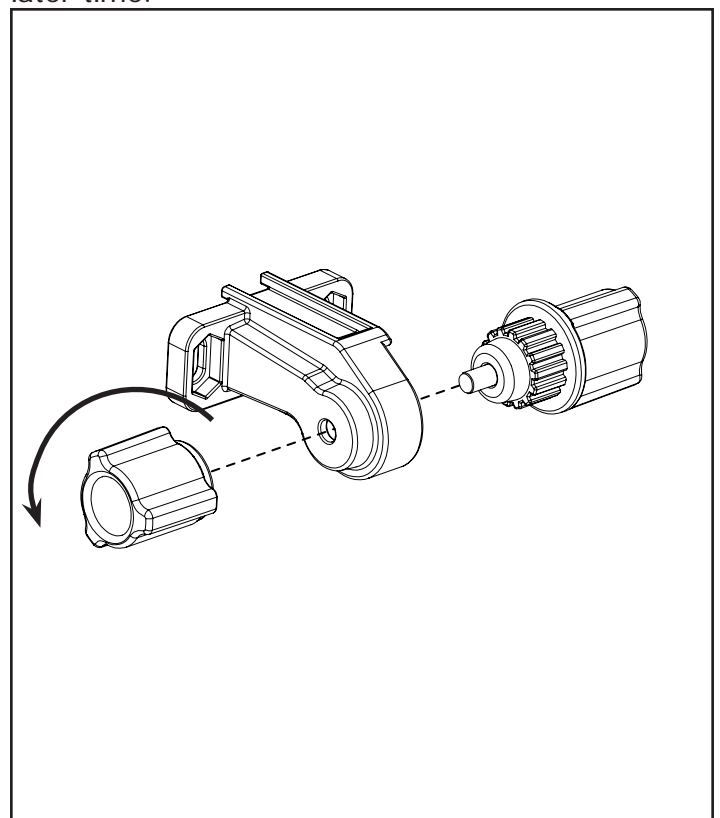


**4-2:** Install the Belt Clamp Assembly onto the Left Frame Leg.

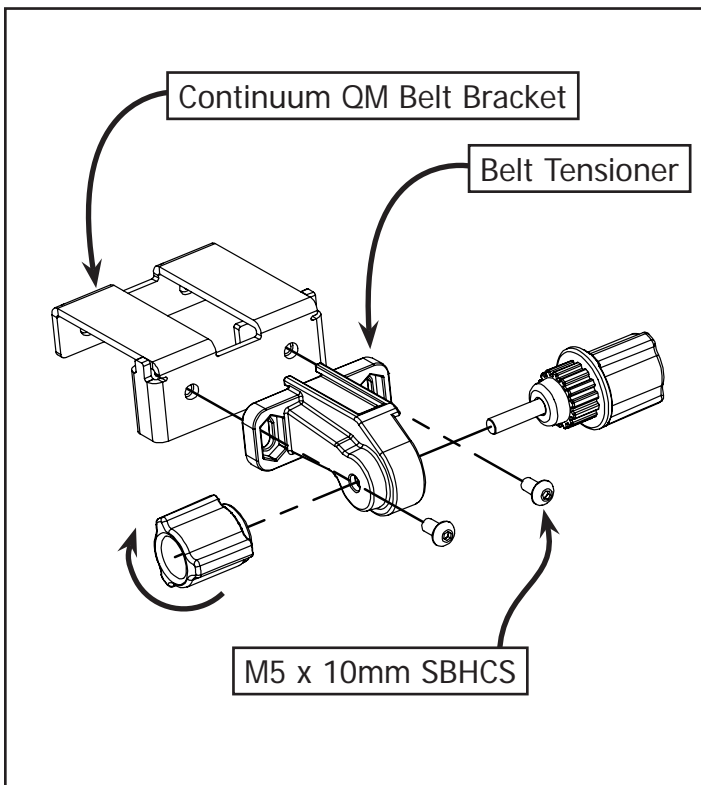
**Note:** Belt Clamp Assembly will be adjusted at a later time.



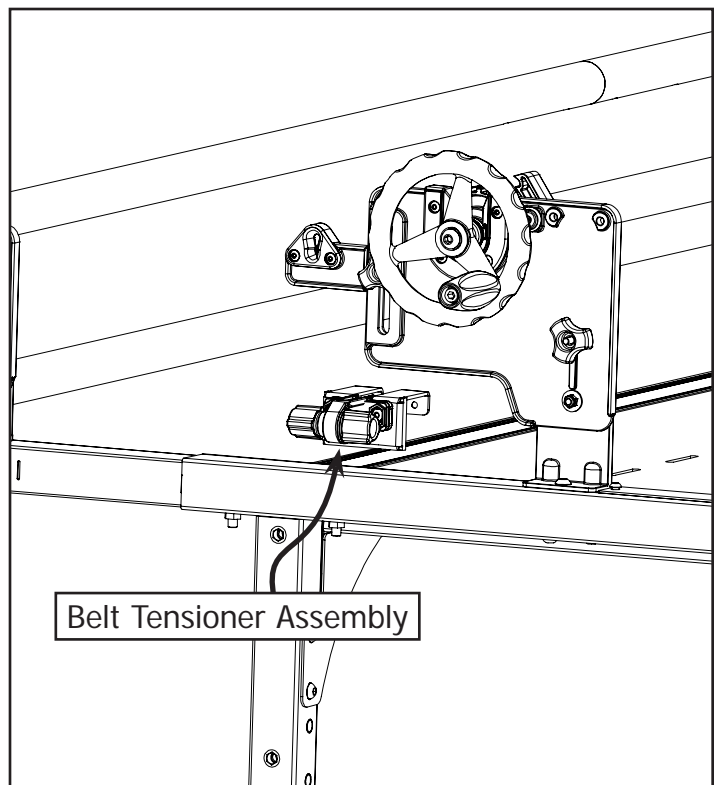
**4-3:** Secure the Belt Clamp Assembly to the frame using (2) pre-installed M6 x 16mm Set Screws.  
**Note:** Do not tighten Set Screws at this time.



**4-4:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.

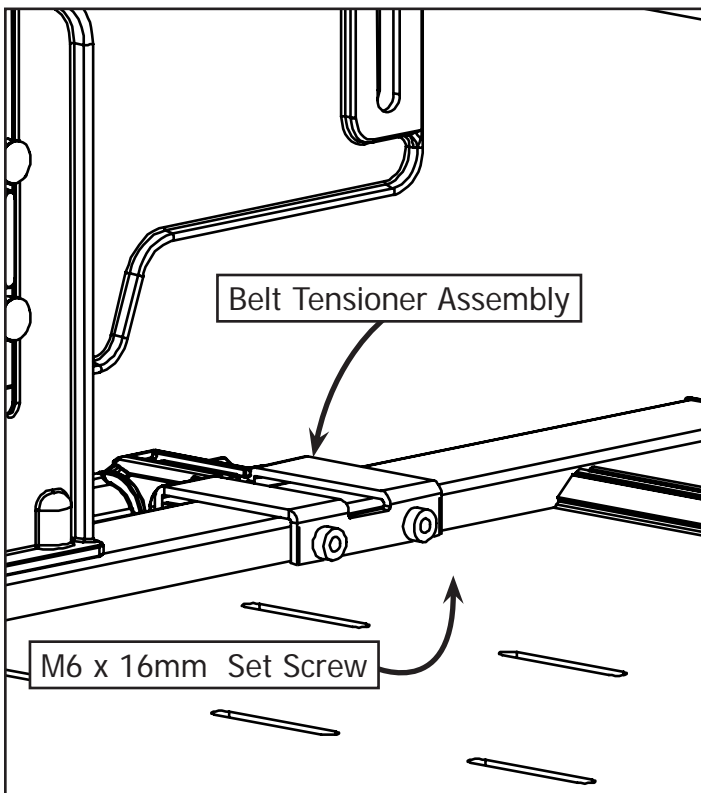


**4-5:** Assemble the Belt Tensioner to the Continuum QM Belt Bracket using (2) M5 x 10mm SBHCS. Re-install the tensioner knobs.



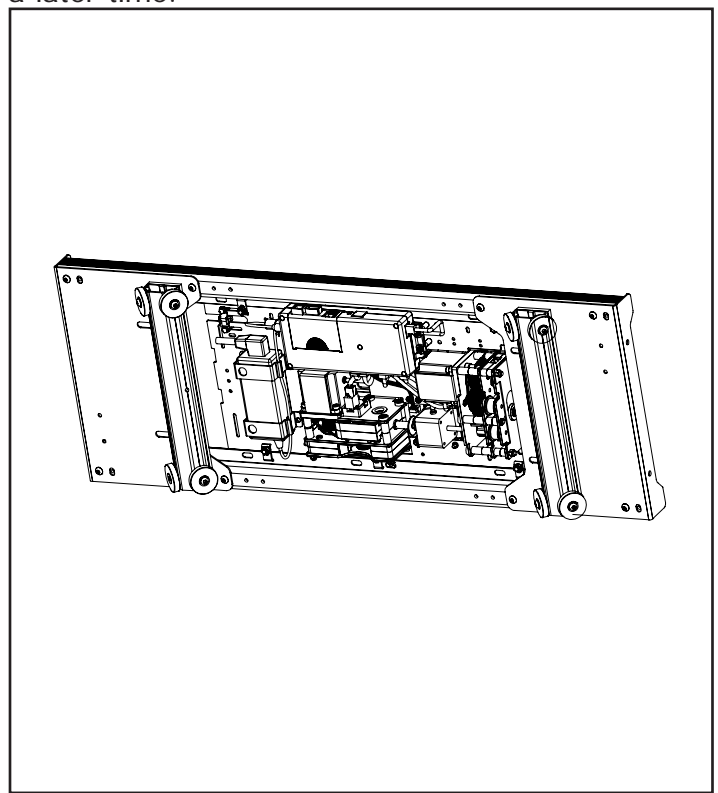
**4-6:** Install the Belt Tensioner Assembly onto the Right Frame Leg.

**Note:** Belt Tensioner Assembly will be adjusted at a later time.

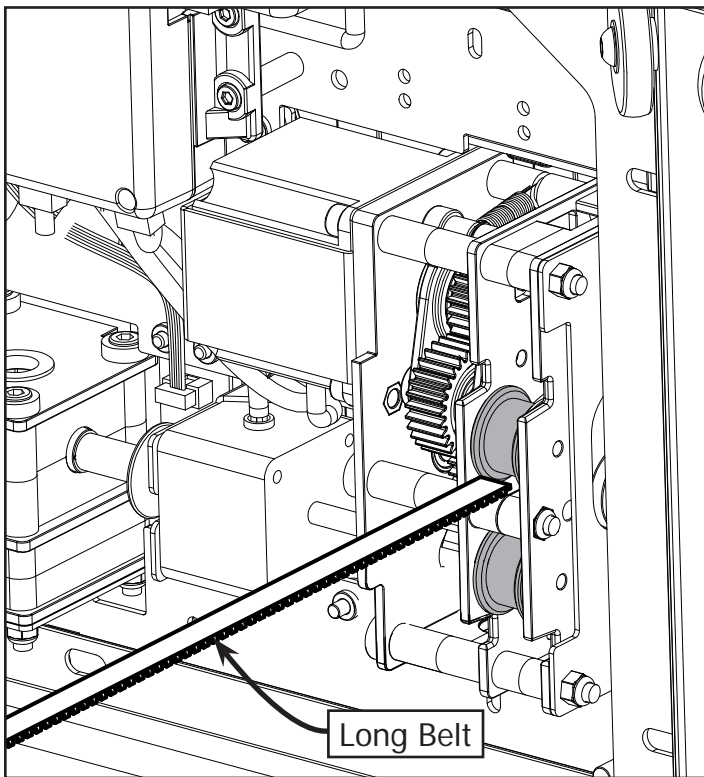


**4-7:** Secure the Belt Tensioner Assembly to the frame using (2) pre-installed M6 x 16mm Set Screws.

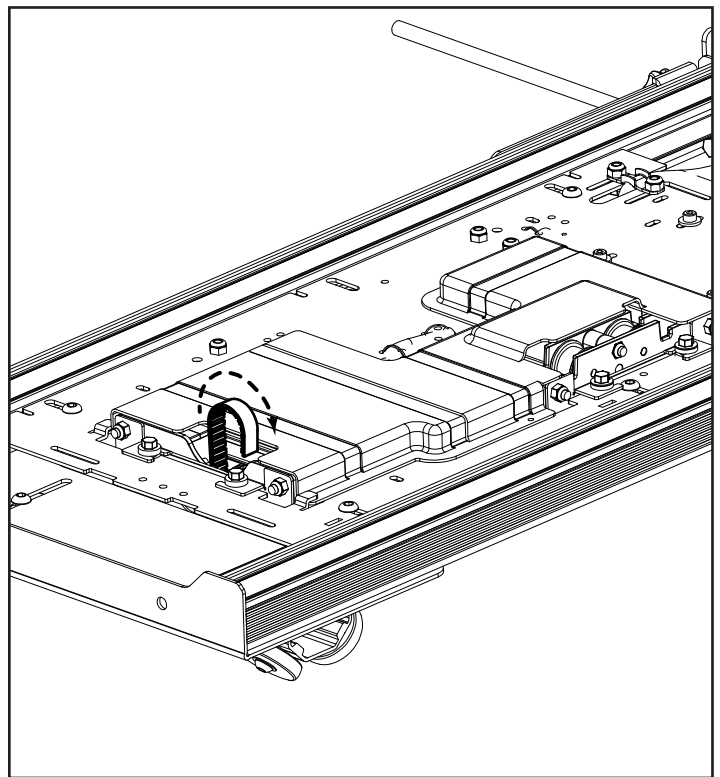
**Note:** Do not tighten Set Screws at this time.



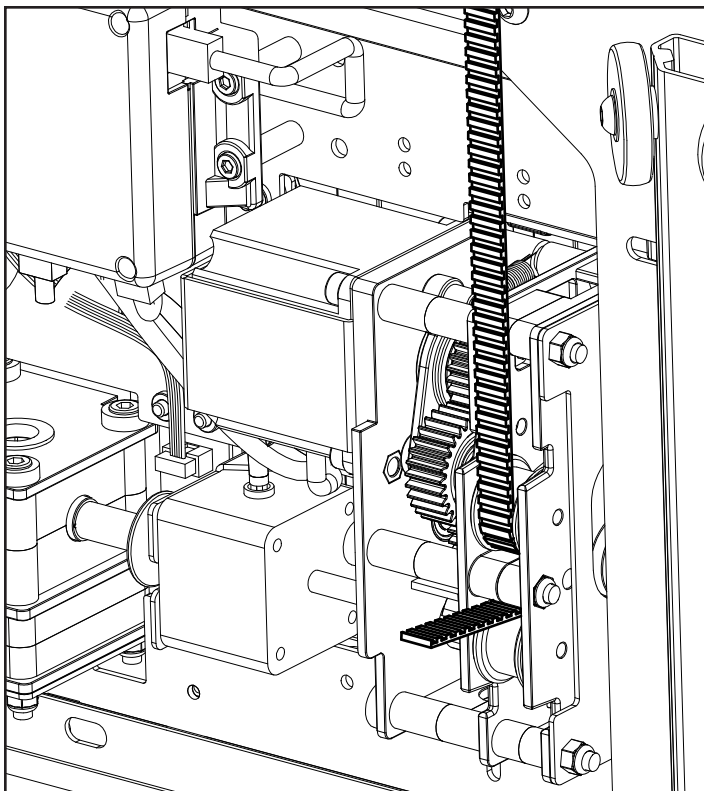
**4-8:** Tilt the Bottom Carriage onto its side.



**4-9:** Keep the Long Belt flat and thread the Long Belt into the gearbox in the QuiltMotion Motor Plate from the bottom until it comes out the top of the Bottom Carriage.

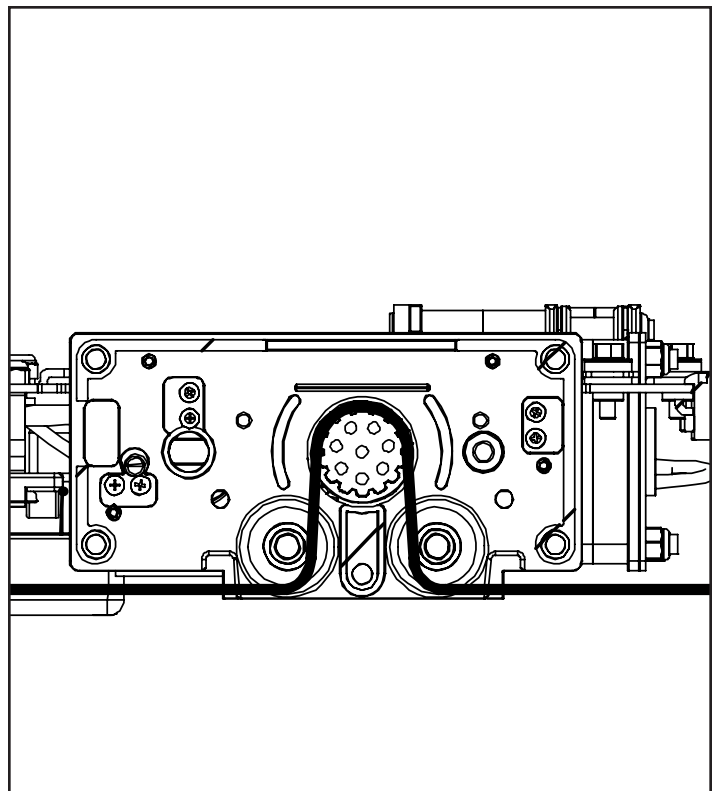


**4-10:** Loop the Long Belt over and feed it back through the gear box and back out the bottom of the Bottom Carriage.



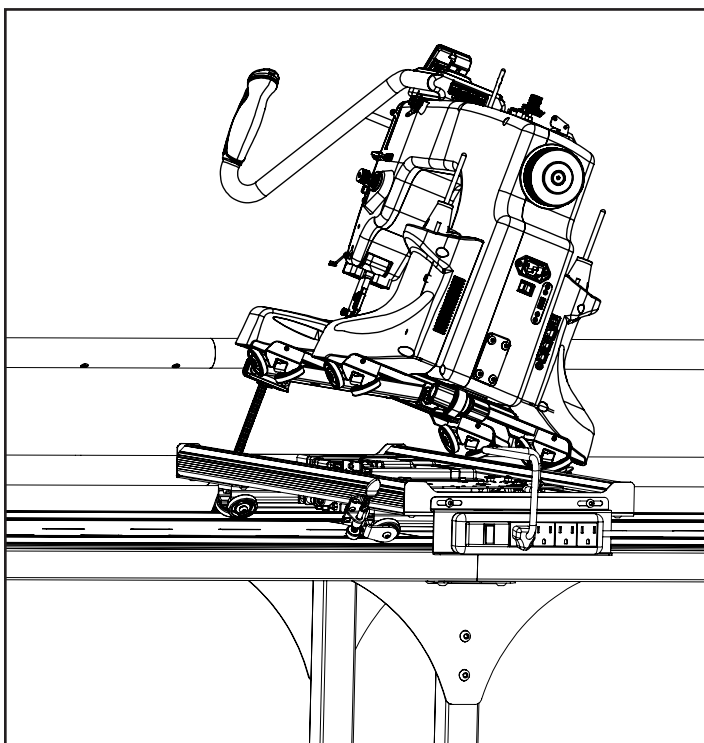
**4-11:** Pull the rest of the Long Belt through the QuiltMotion Motor Plate.

**Note:** Do not insert the belt into the Belt Tensioner Assembly yet.



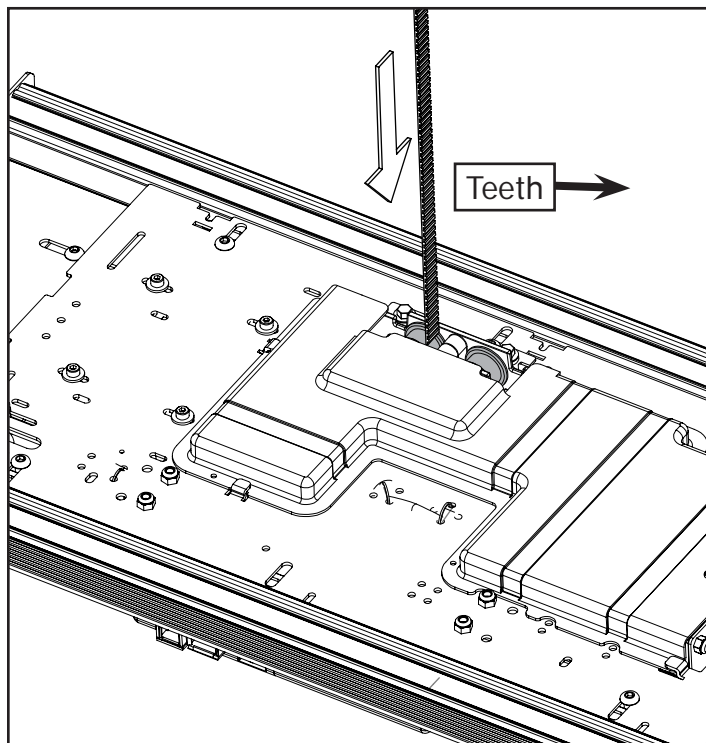
**4-12:** Belt will be routed as shown.

# Continuum Frame | QuiltMotion



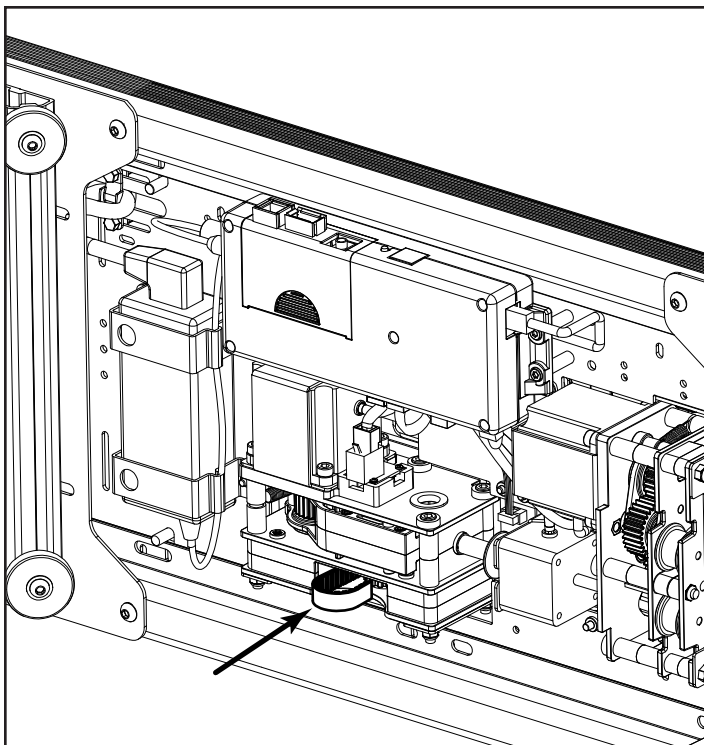
**4-13:** Place Sewing Machine or Top Plate at an angle on the bottom carriage.

**Note:** This step will require 2 people.



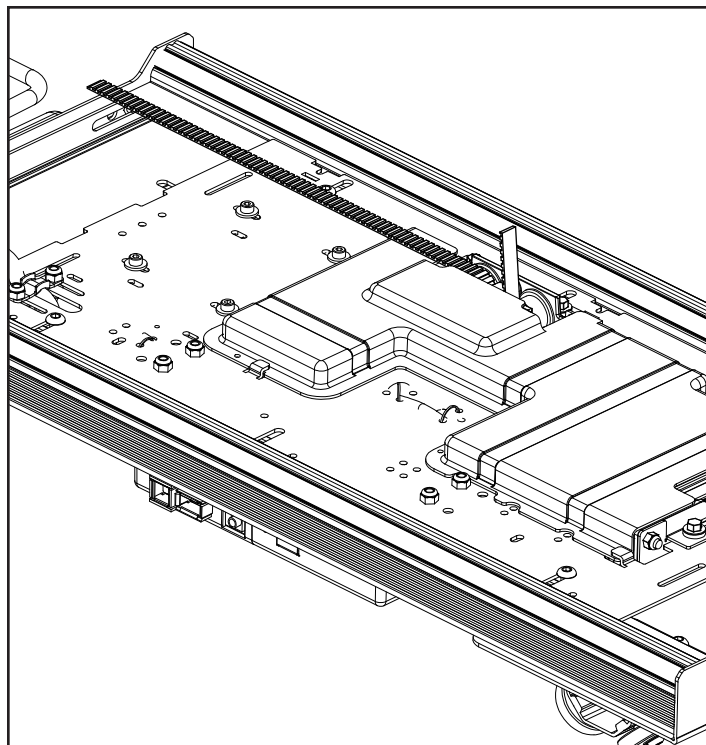
**4-14:** Thread the free end of the Short Belt into the gear box in the QuiltMotion Motor Plate from the top until it comes out the bottom of the carriage.

**Note:** Keep the belt flat without any twists.

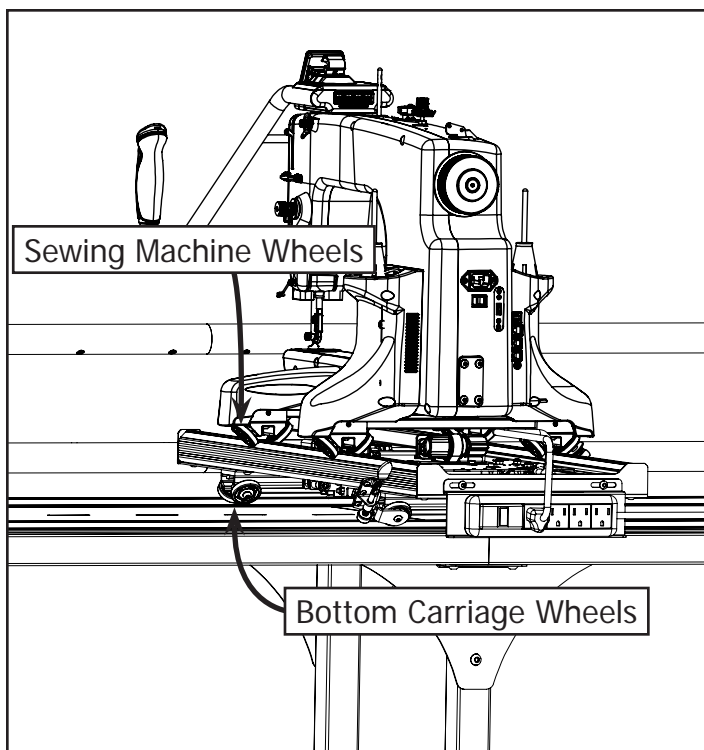


**4-15:** Loop the Short Belt over and feed it back through the gear box and back out the top of the Bottom Carriage.

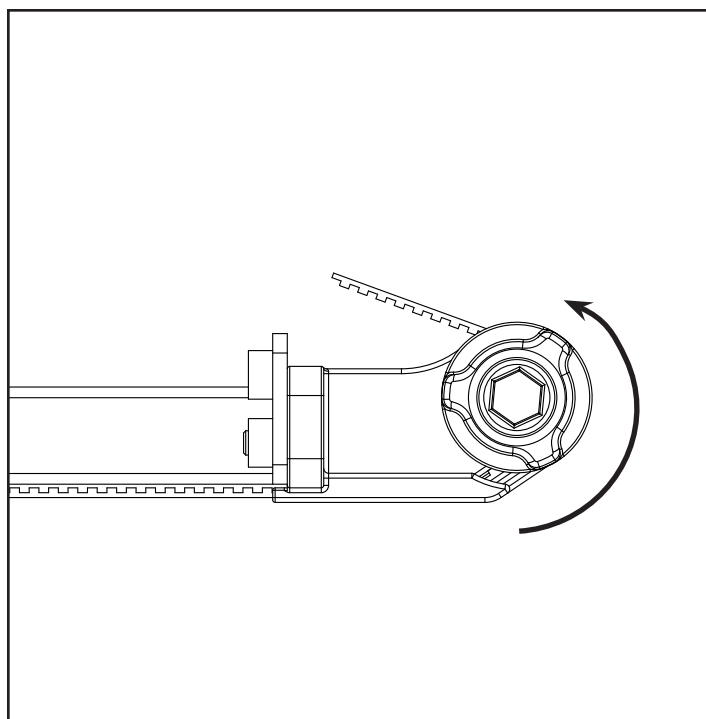
**Note:** The belt teeth should be facing towards the gear teeth.



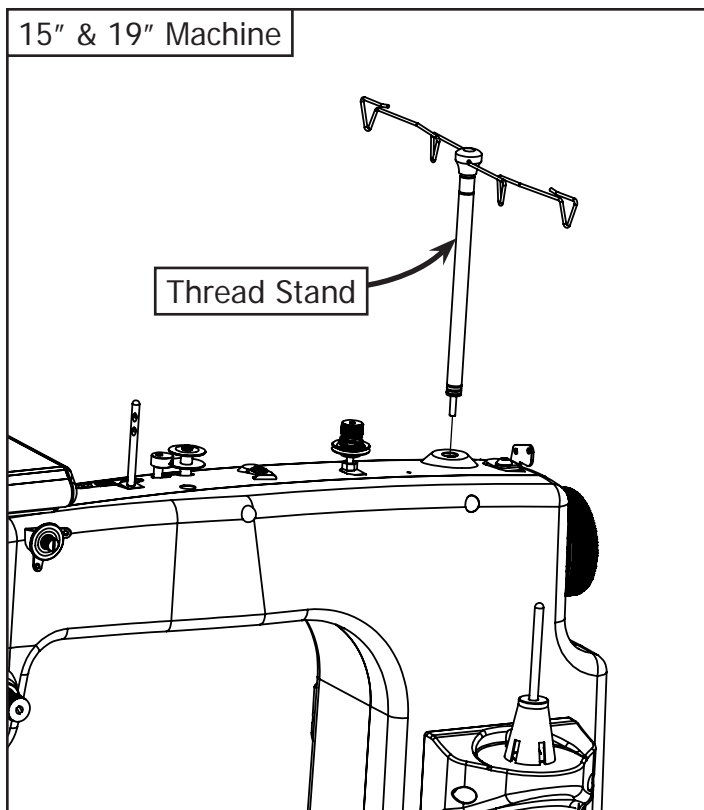
**4-16:** Pull the rest of the Short Belt through the QuiltMotion Motor Plate.



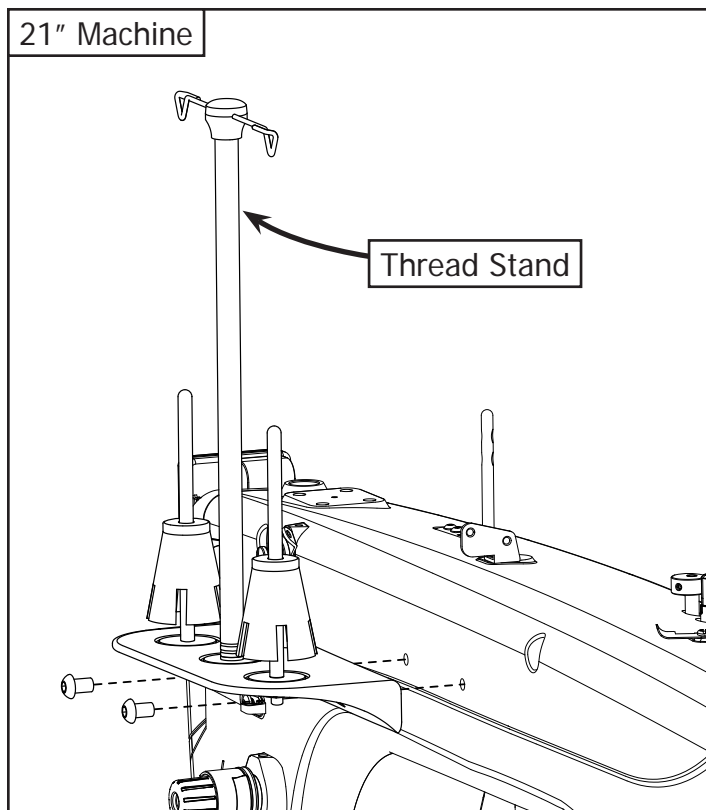
**4-17:** Place the Sewing Machine or Top Plate wheels on the Bottom Carriage and the Bottom Carriage onto the frame track.



**4-18:** Feed the free end of the Short Belt into the Belt Tensioner. Turn the right knob to tighten the belt all the way through the Tensioner. Once the belt is tight rotate the left knob clockwise to lock it in place.



**4-19a:** Re-install the Thread Stand onto your machine. See your machine manual for instructions.



**4-19b:** Re-install the Thread Stand onto your machine. See your machine manual for instructions.

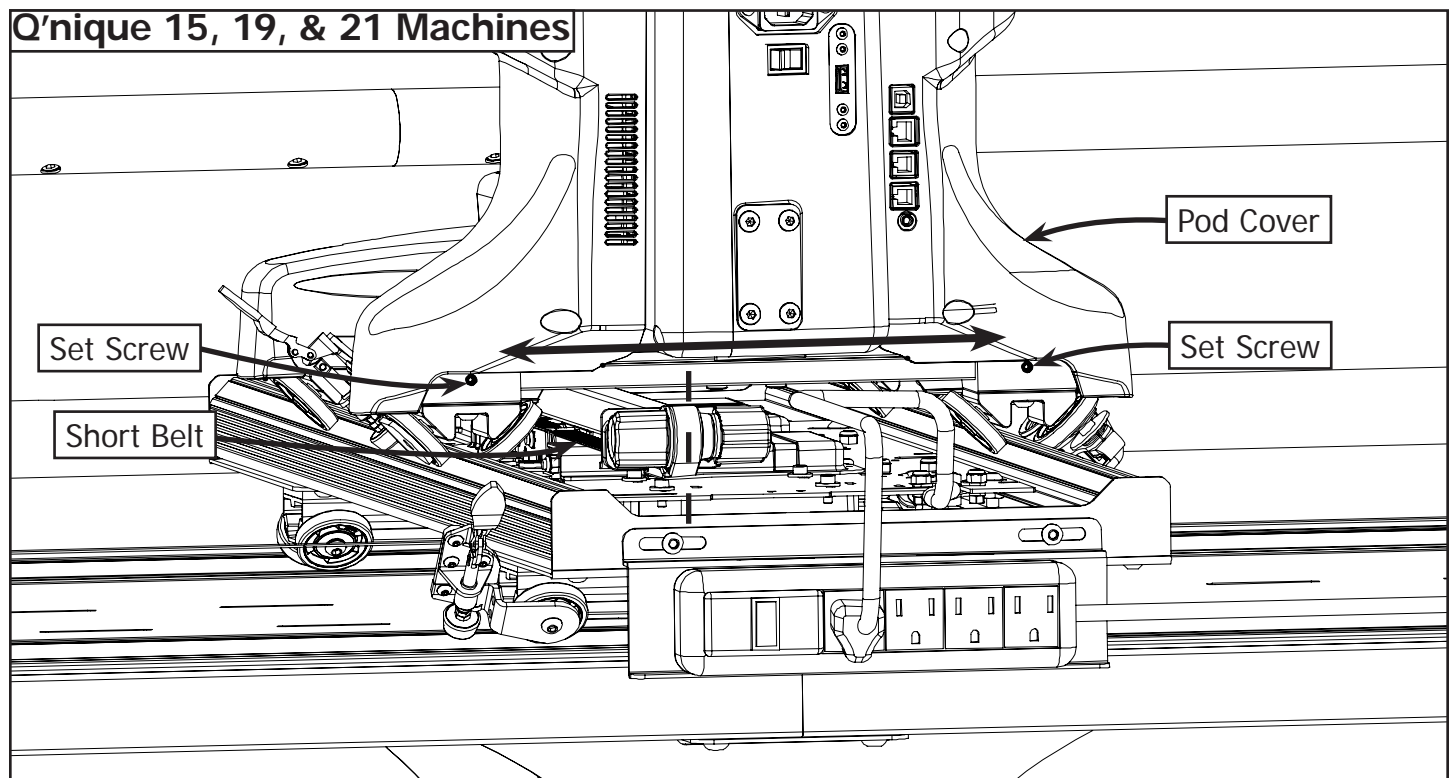


## Step 5 – Aligning the Belts

Tools Needed:

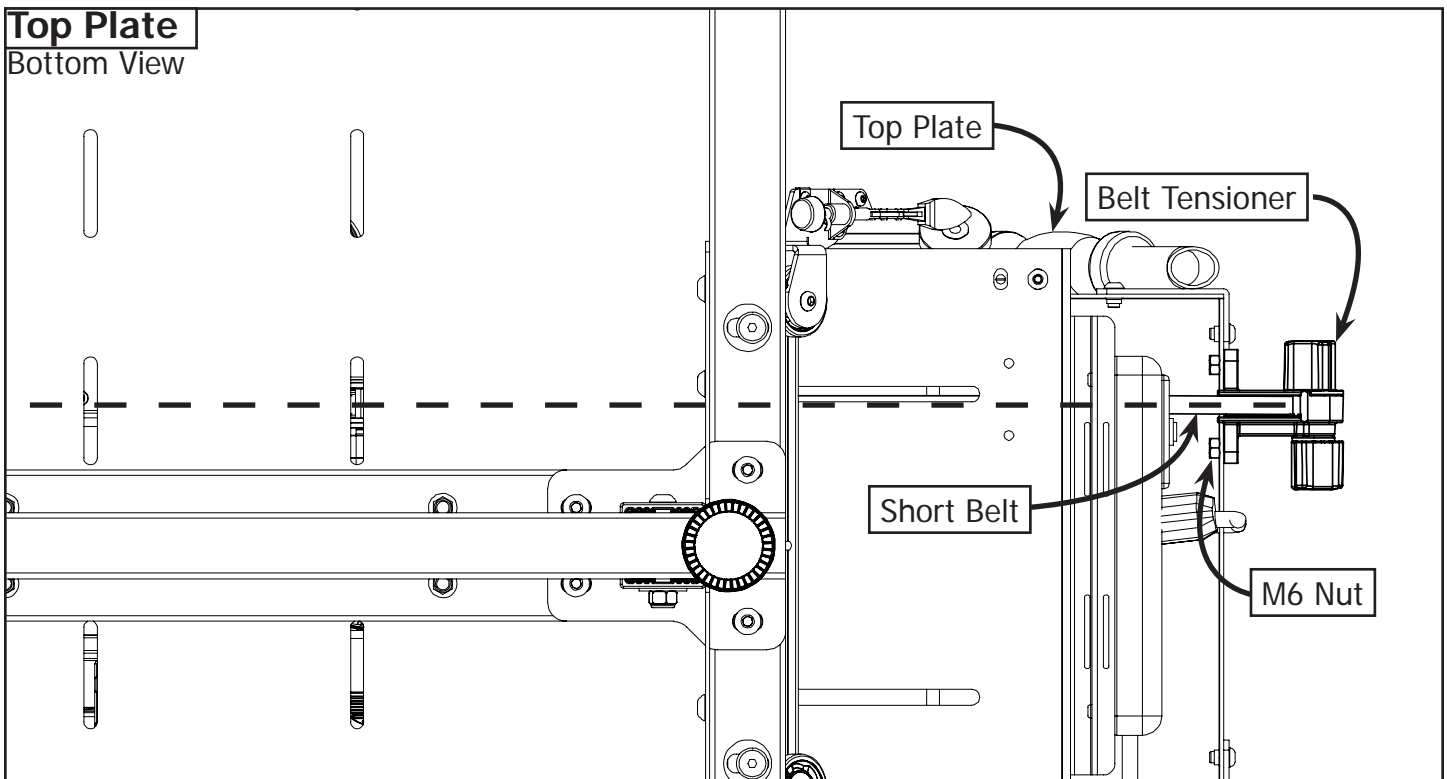
3mm Allen Wrench

10mm & 13mm Open End Wrench

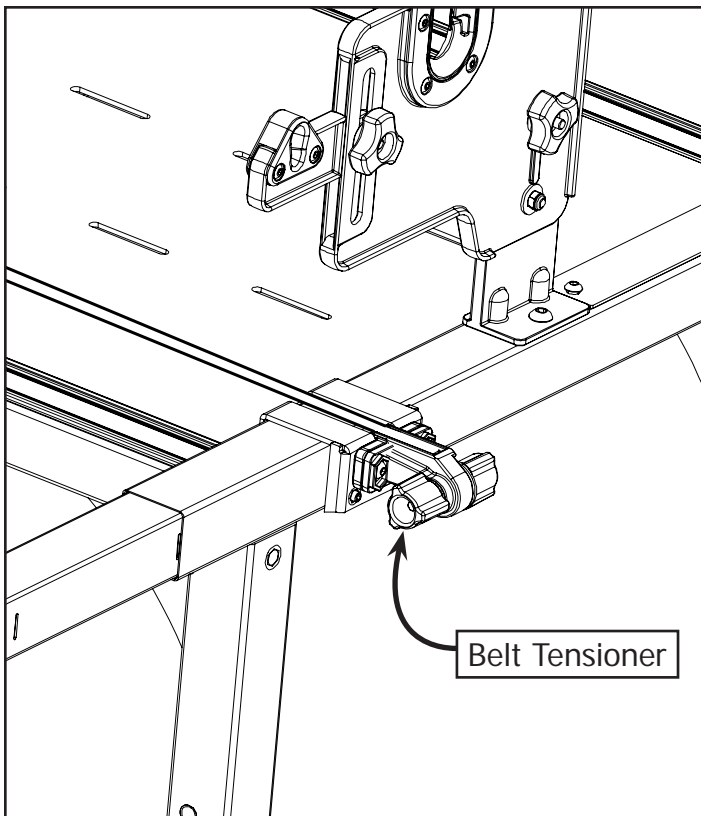


**5-1a:** Check the alignment of the short belt attached to the Sewing Machine Top Belt Bracket. If it is bowed to one side loosen the set screws on the front and back wheels, and shift the machine until the belt is straight. Re-tighten the set screws and re-install the Pod Covers if they were removed.

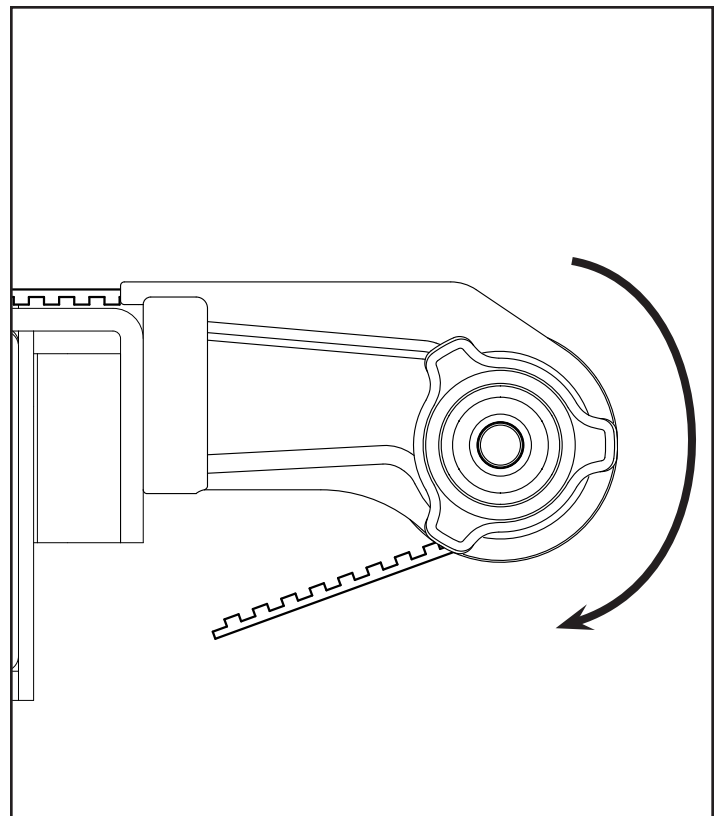
**Note:** It may be necessary to remove the Pod Covers on the 19" and 21" Machines.



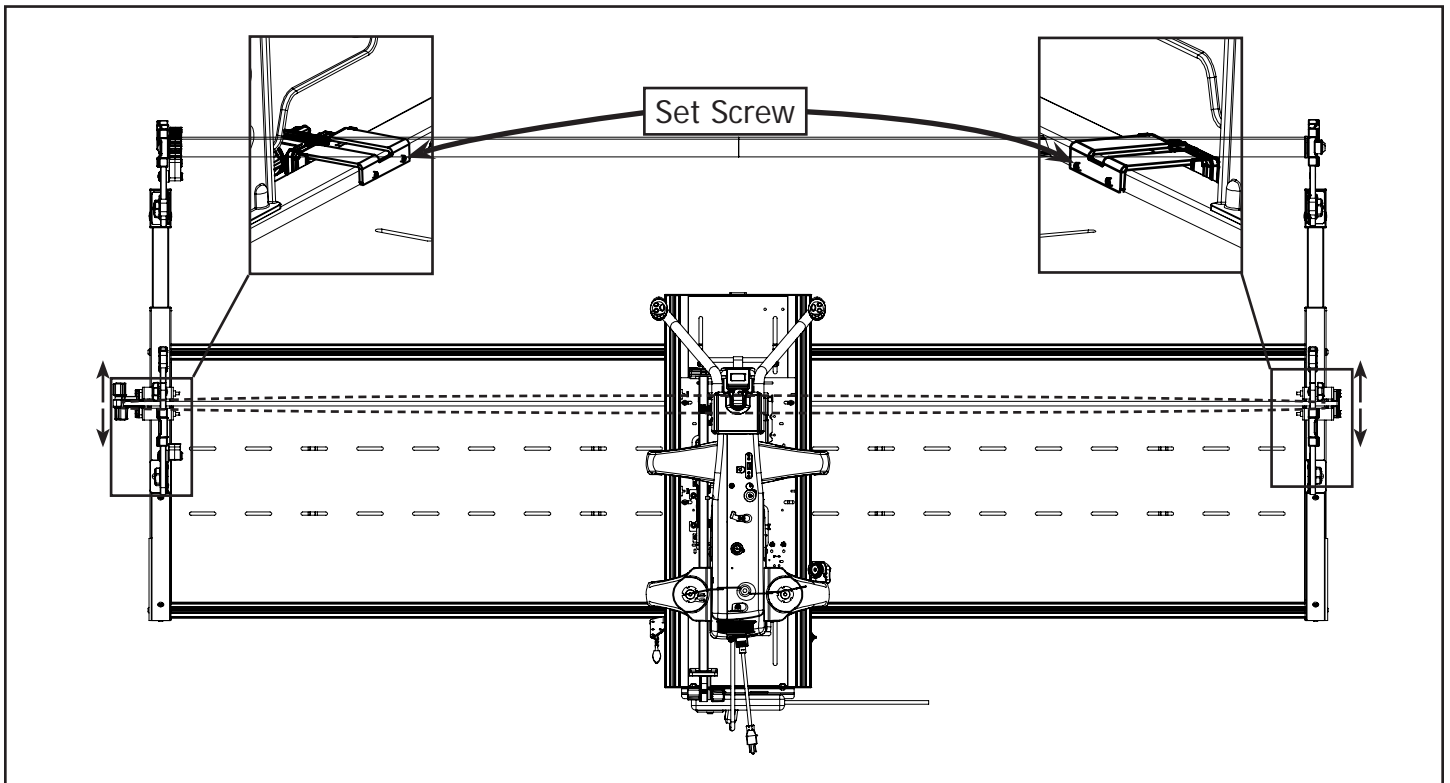
**5-1b:** Check the alignment of the short belt attached to the Top Plate. If it is bowed to one side move the Top Plate as far back as possible. Loosen the (2) M6 Nuts on the Belt Tensioner and adjust until the Short Belt is aligned with the Motor Plate.



**5-2:** Insert the free end of the Long Belt into the Belt Tensioner Assembly.



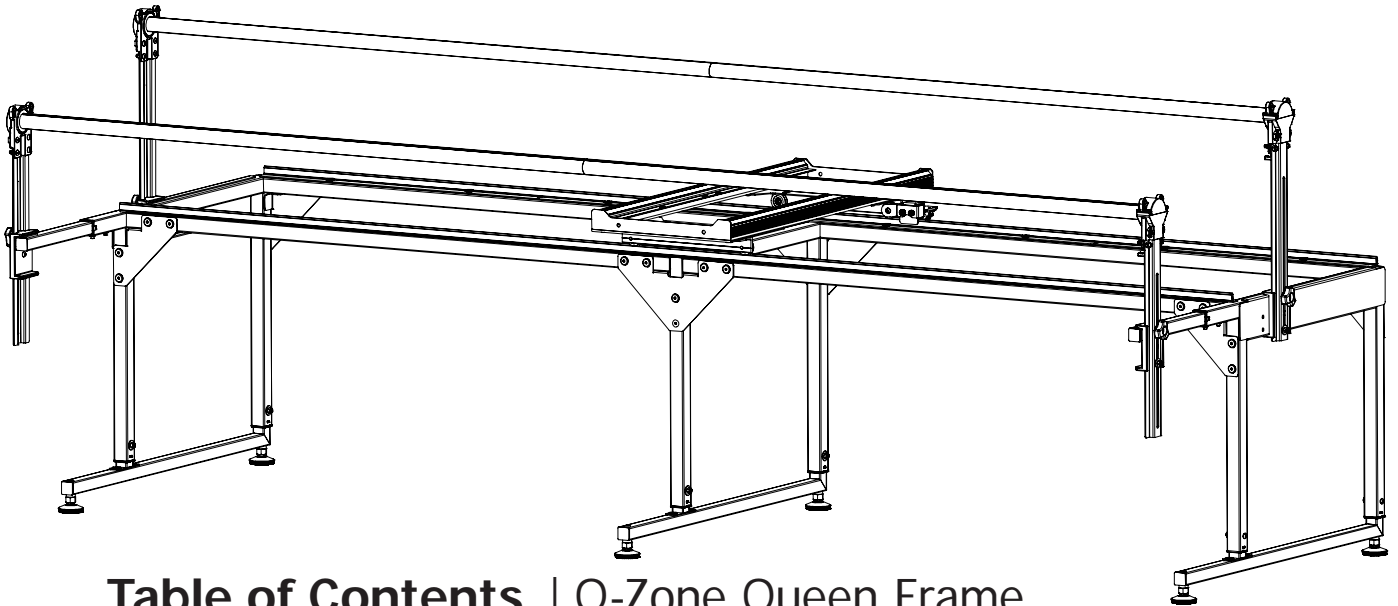
**5-3:** Twist the right Belt Tensioner knob to tighten the belt. Once the belt is tight rotate the left knob clockwise to lock it into place.



**5-4:** Loosen the M6 x 16mm Set Screws from Steps 4-2 & 4-6. Adjust the Belt Tensioner Assembly and the Belt Clamp Assembly to make sure there is no bow in the Long Belt. Once the Long Belt is straight tighten the set screws on the Belt Tensioner Assembly and the Belt Clamp Assembly.

**Note:** It may be necessary to loosen the belt in order to gain access to the Set Screws.

**\*Proceed to QCT and Wiring Instruction Booklet\***



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### Bottom Carriage

Step 1: Motor Plate Installation: .....	page 21
Step 2: Power Strip Installation: .....	page 22

### Top Belt Bracket

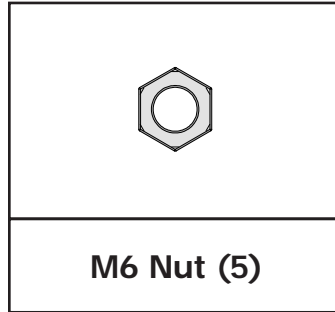
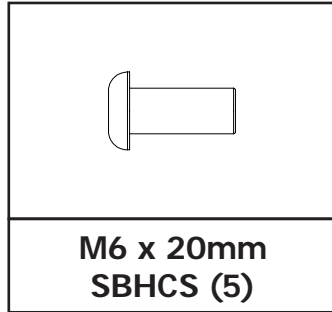
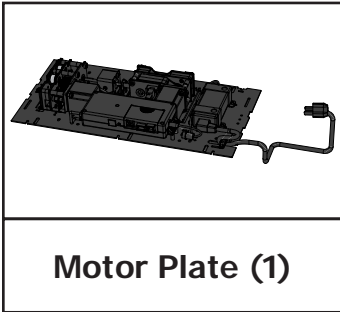
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Step 3b: Short Belt Installation - Top Plate .....	page 26

### Q-Zone Queen Frame

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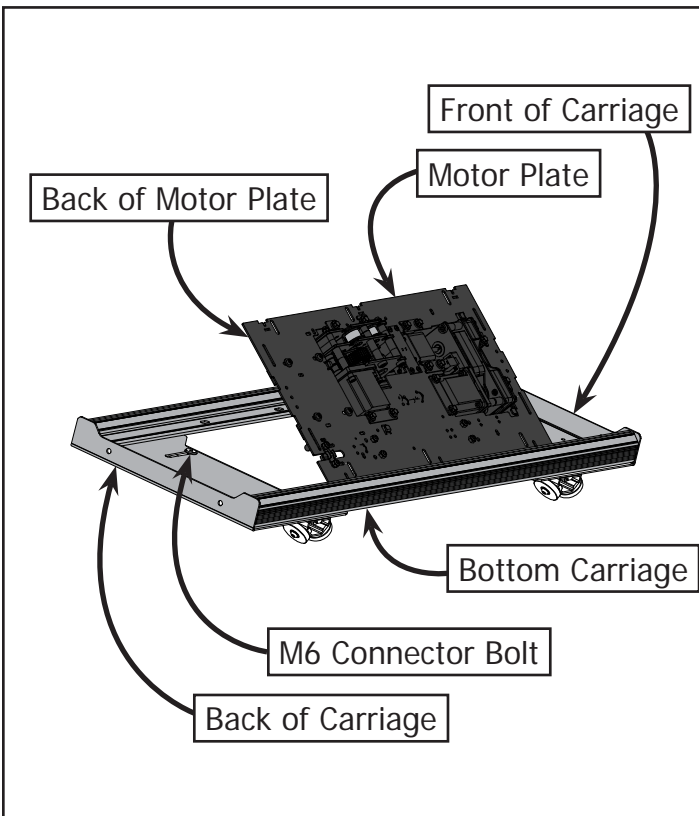
## Step 1 – Motor Plate Installation

Parts Needed:

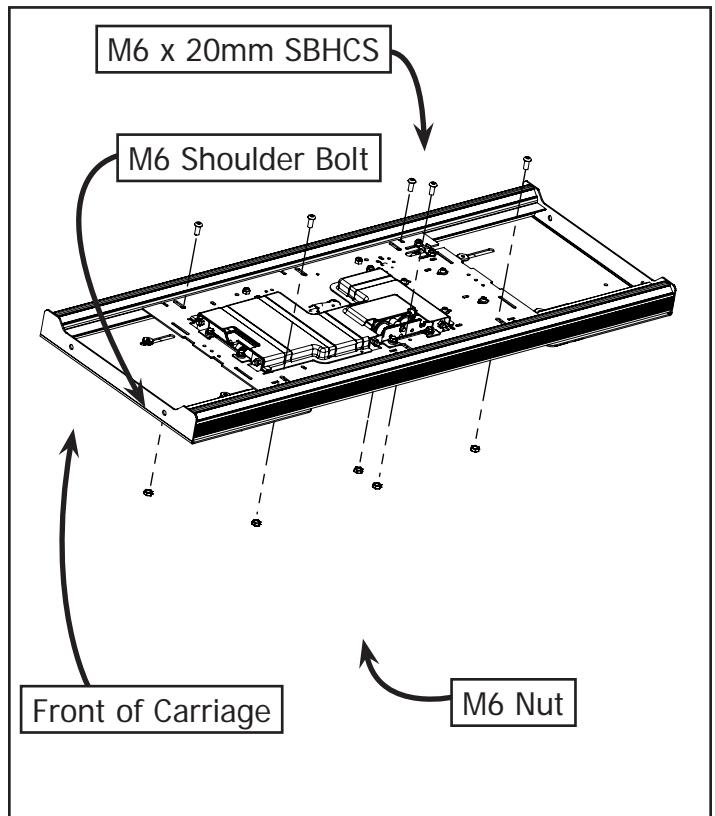


Tools Needed:

4mm Allen Wrench  
10mm & 13mm Box End Wrench



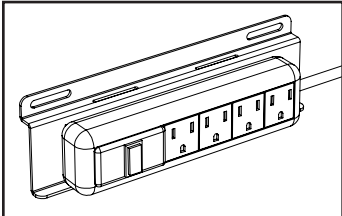
**1-1:** Insert the Motor Plate into the Bottom Carriage at an angle.



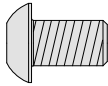
**1-2:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS and (5) M6 Nuts through the slots in the Bottom Carriage.

## Step 2 - Power Strip Installation

Parts Needed:



Power Strip (1)



M6 x 10mm  
SBHCS (2)

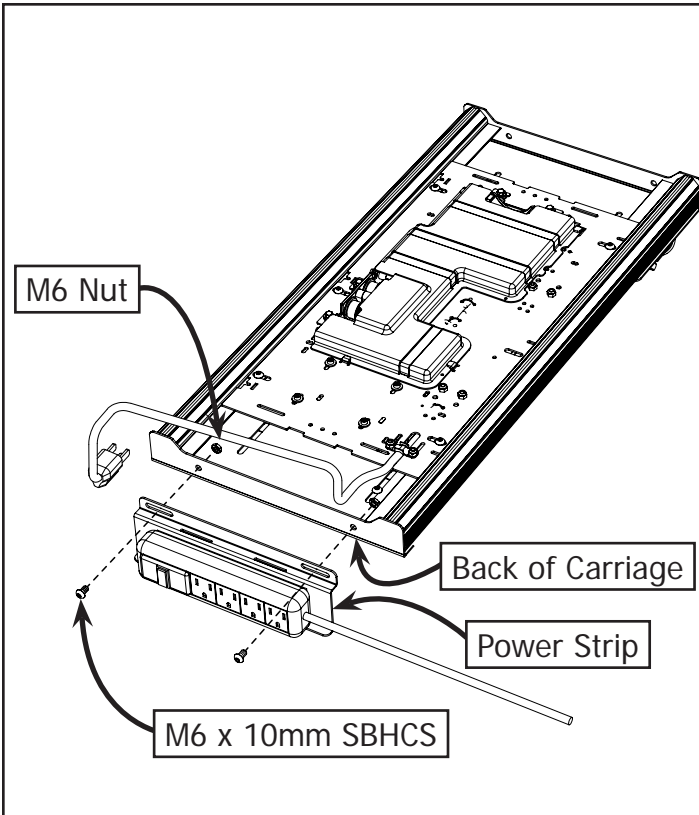


M6 Nut (2)

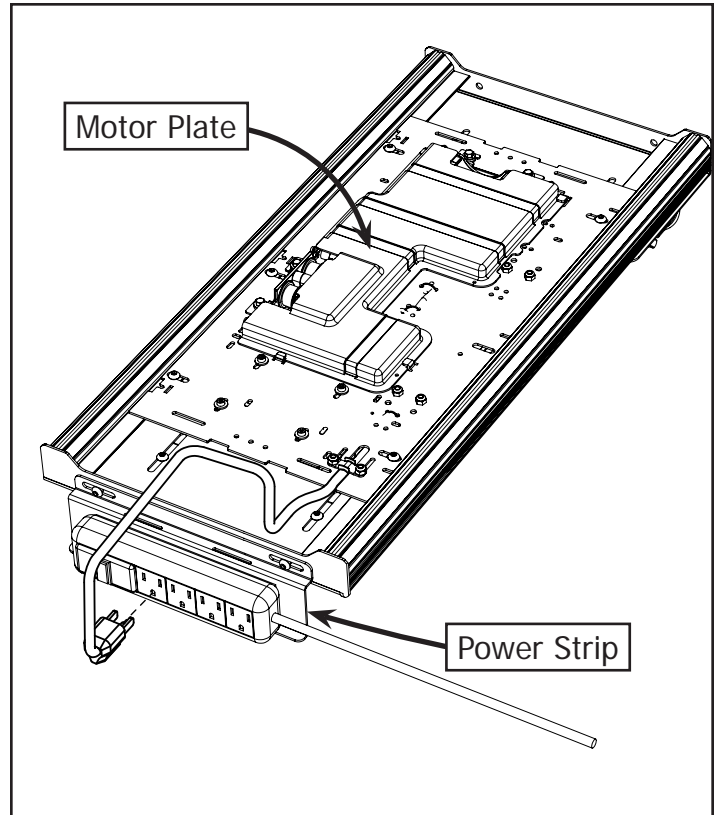
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



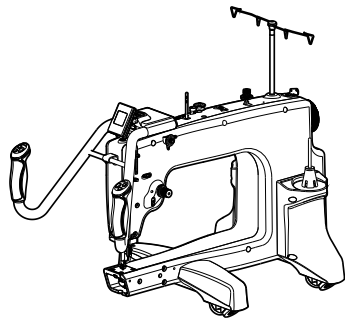
**2-1:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.



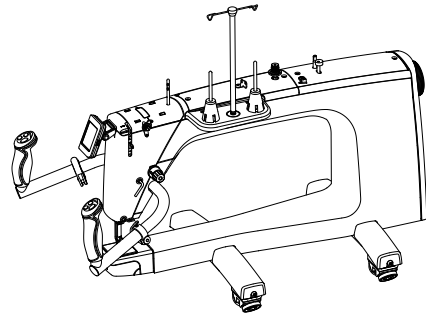
**2-2:** Plug the Motor Plate into the Power Strip.

## Step 3 – Choose your Machine or Top Plate.

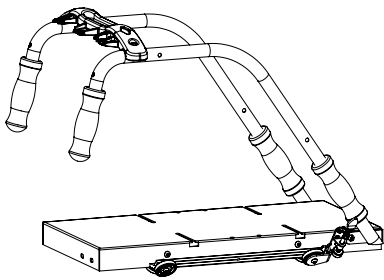
Proceed to the page number associated with your Machine or Top Plate.



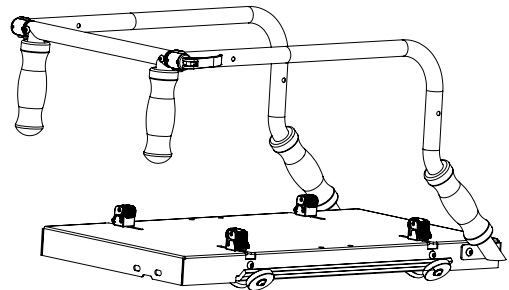
**Q'nique 15**  
Turn to page 24



**Q'nique 19**  
Turn to page 24



**G-Series Top Plate**  
Turn to page 26

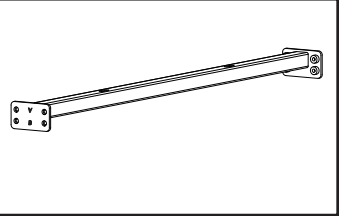
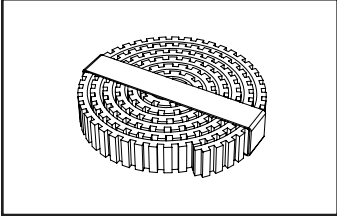
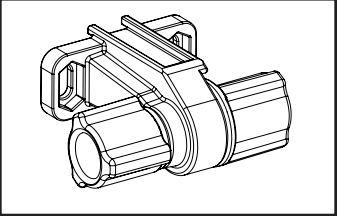
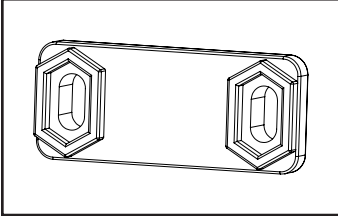
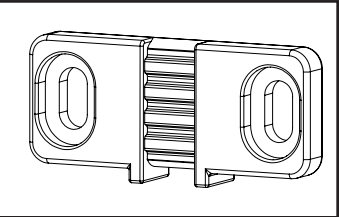
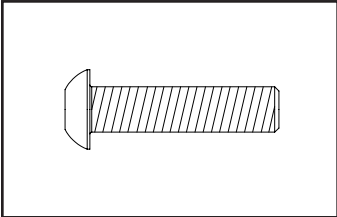
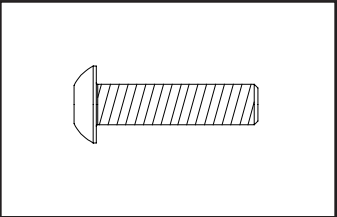
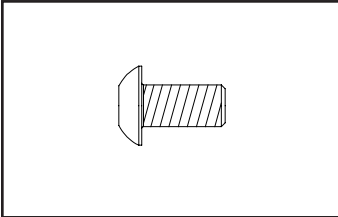


**G-Series 2 Top Plate**  
Turn to page 26



## Step 3a – Short Belt Installation - Q'nique 15" & 19"

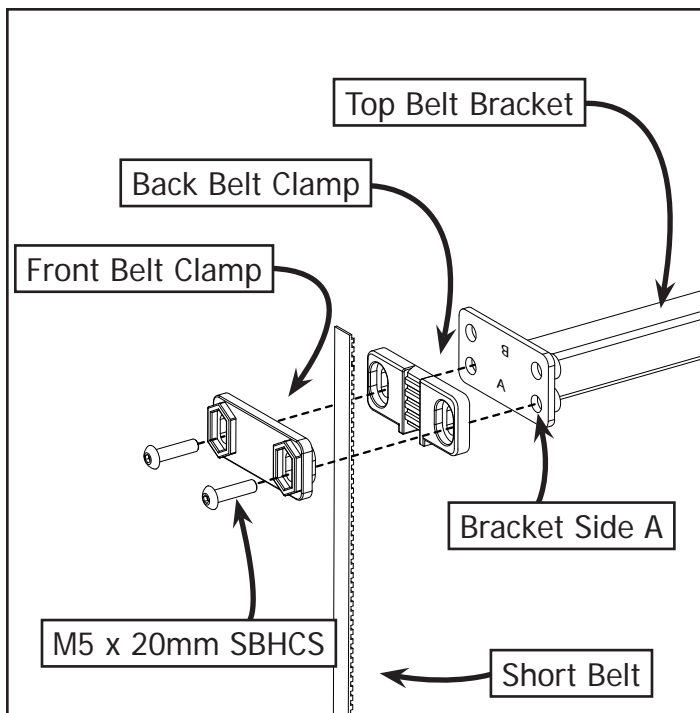
Parts Needed:

			
<b>Top Belt Bracket (1)</b>	<b>Short Belt (1)</b>	<b>Belt Tensioner (1)</b>	<b>Front Belt Clamp (1)</b>
			
<b>Back Belt Clamp (1)</b>	<b>M6 x 25mm SBHCS (2)</b>	<b>M5 x 20mm SBHCS (2)</b>	<b>M5 x 10mm SBHCS (2)</b>

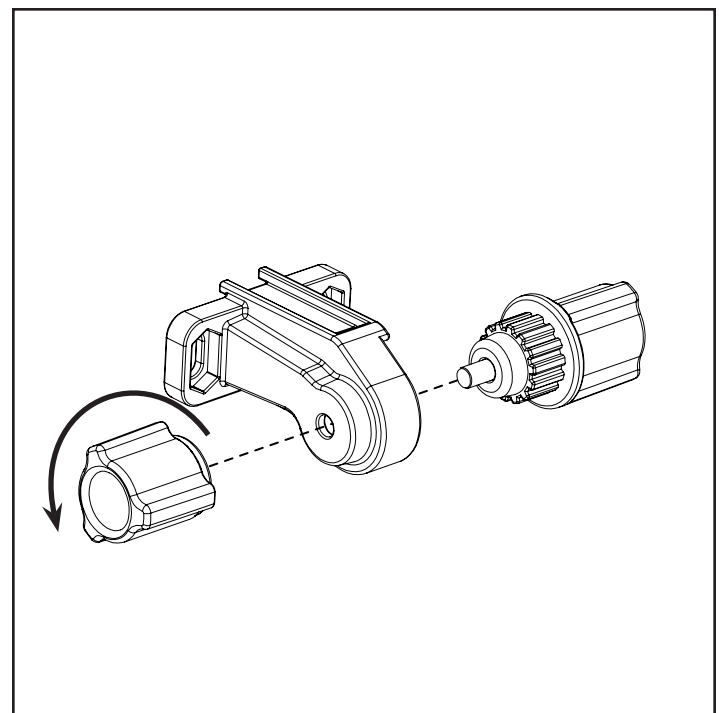
Tools Needed:

3mm Allen Wrench

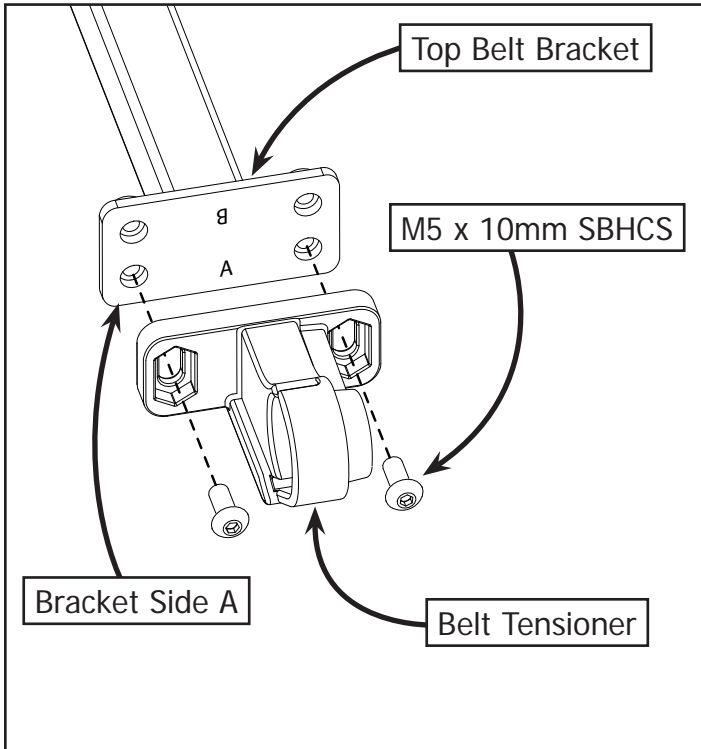
4mm Allen Wrench



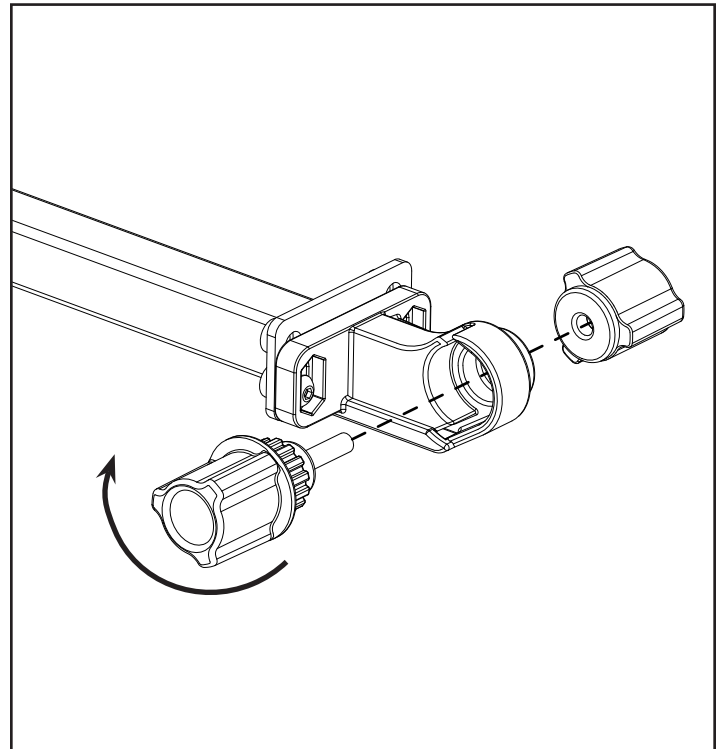
**3-1a:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side A.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.



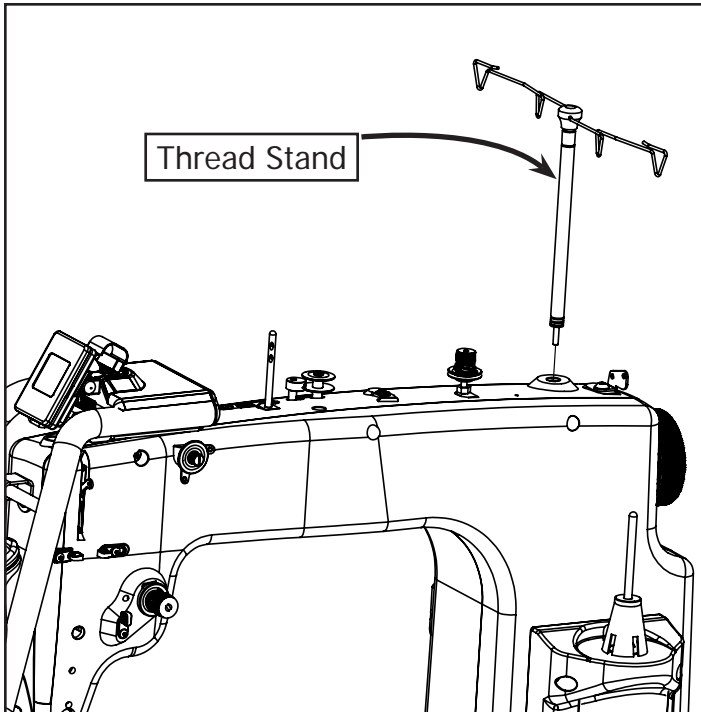
**3-2a:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



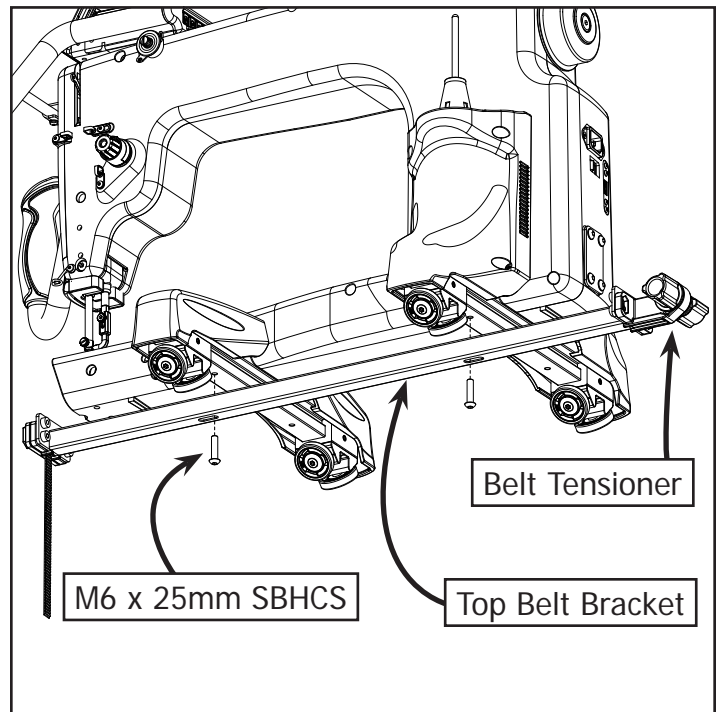
**3-3a:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side A using (2) M5 x 10mm SBHCS.



**3-4a:** Re-Install the Belt Tensioner Knobs.



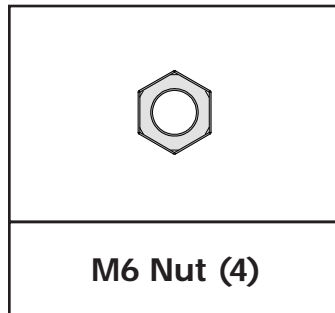
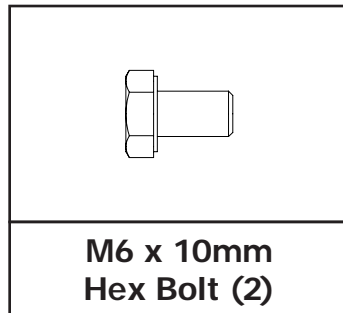
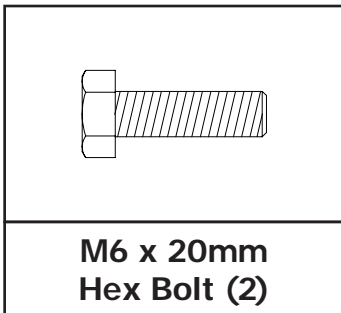
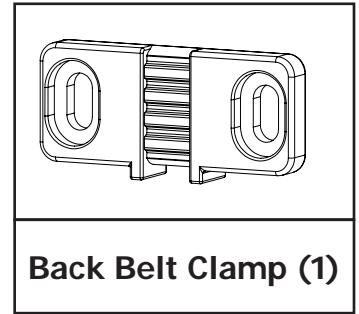
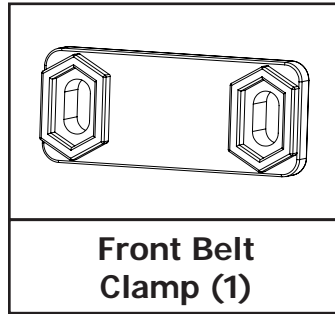
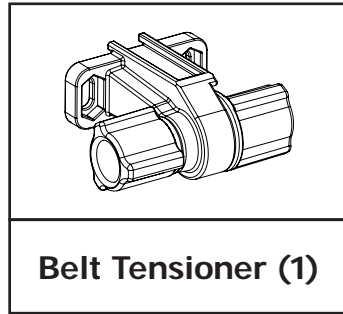
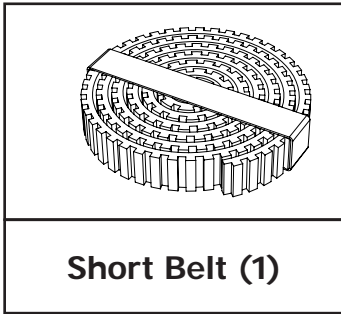
**3-5a:** Remove the Thread Stand from your machine. See your machine manual for instructions.



**3-6a:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.

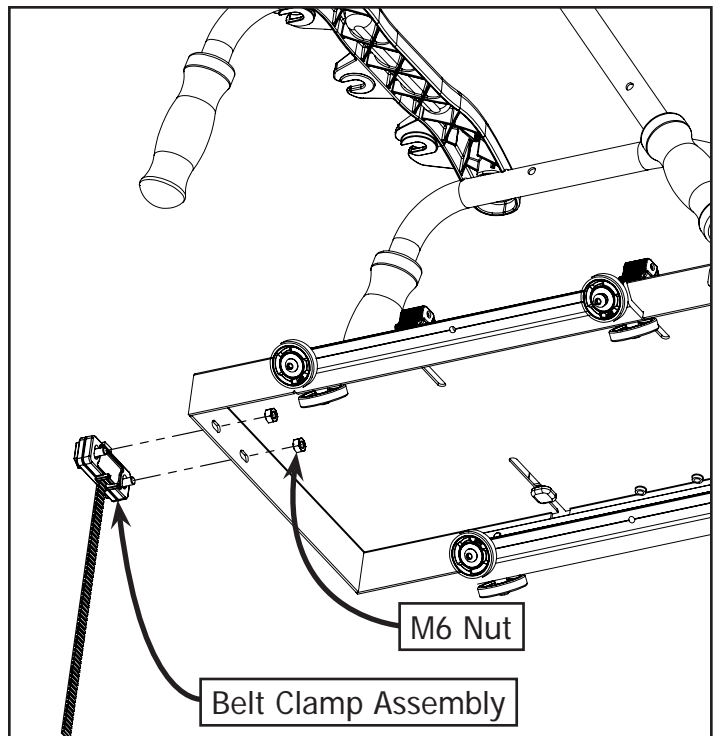
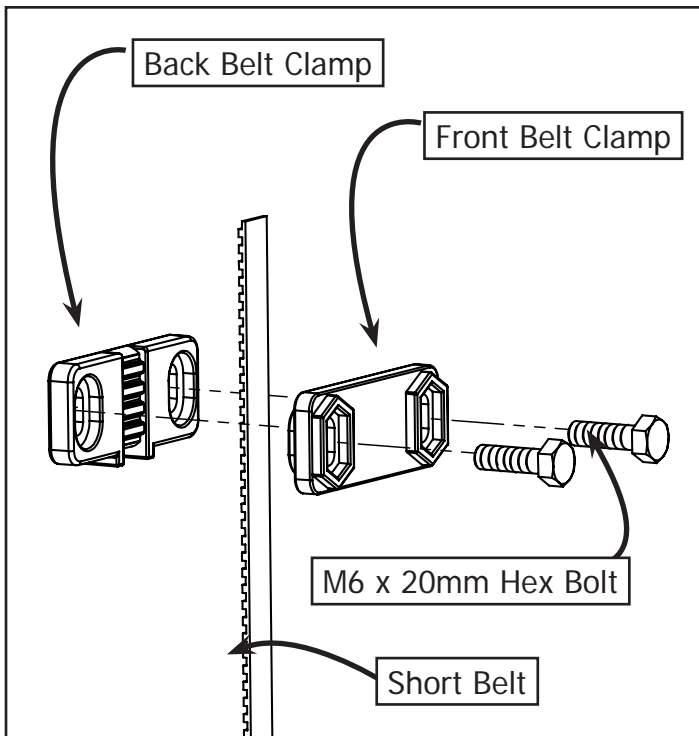
## Step 3b – Short Belt Installation - Top Plate

Parts Needed:



Tools Needed:

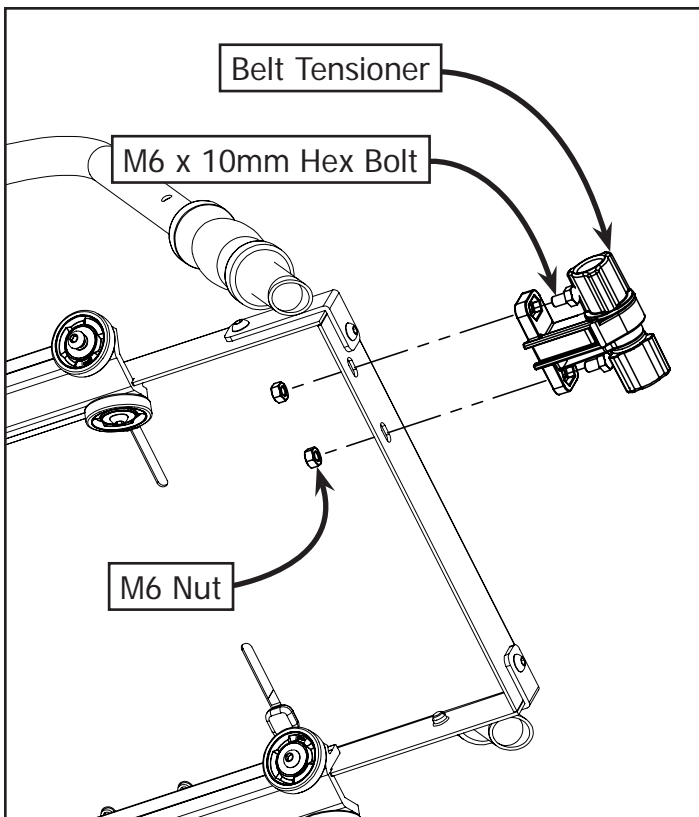
10mm & 13mm Open End Wrench



**3-1b:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and place (2) M6 x 20mm Hex Bolts through the Belt Clamp.

**3-2b:** Assemble the completed assembly (from Step 3-1b) to the front end of the Top Plate using (2) M6 Nuts.

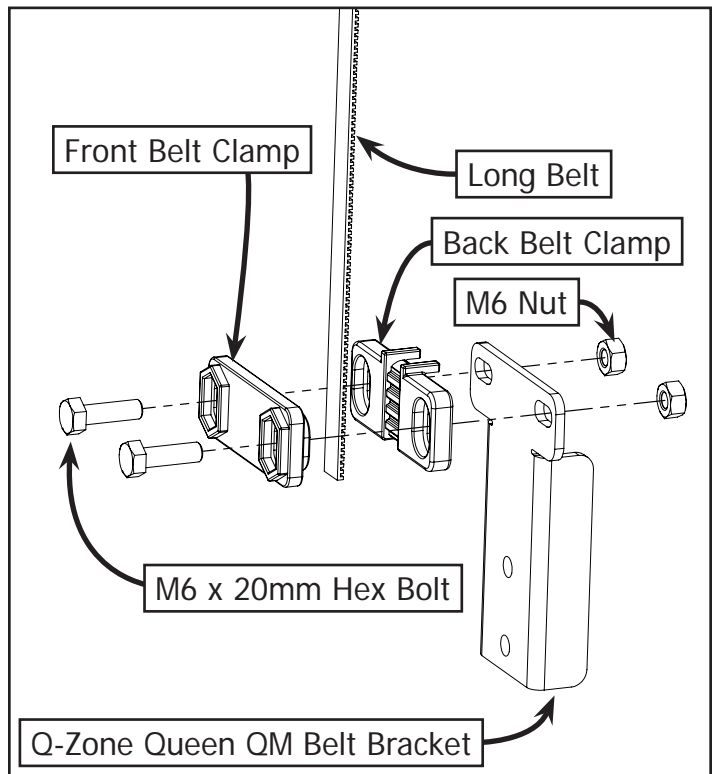
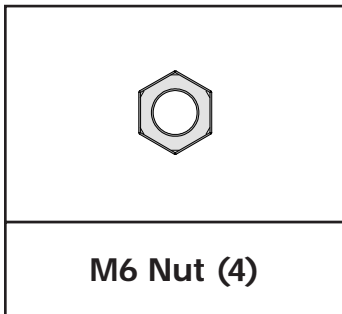
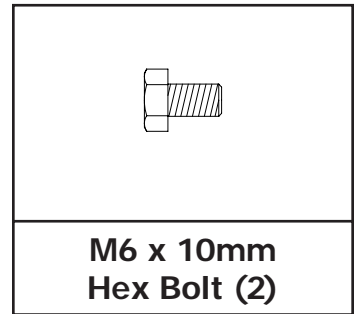
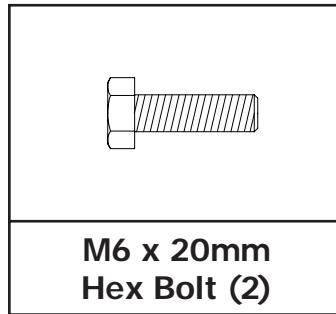
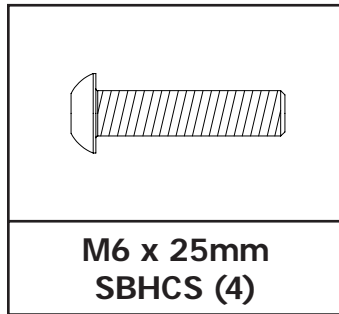
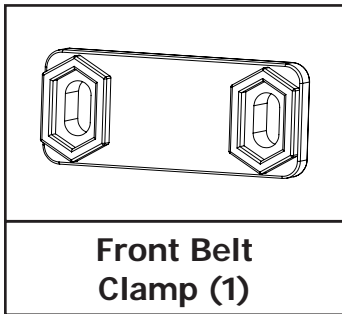
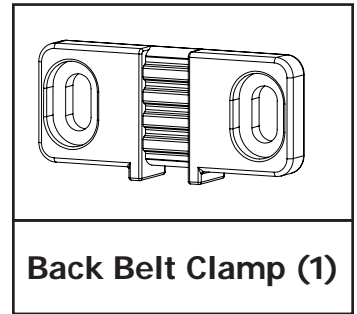
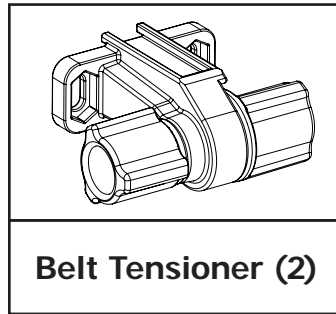
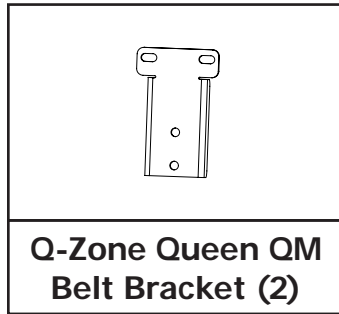
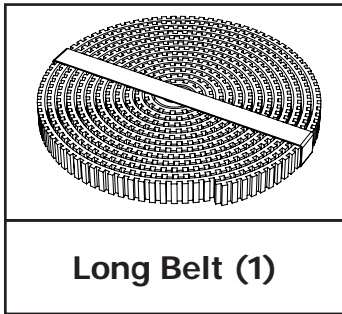
**Note:** The teeth of the belt should be facing towards the Top Plate.



**3-3b:** Assemble the Belt Tensioner onto the opposite end of the Top Plate using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.

## Step 4 – Long Belt Installation

Parts Needed:

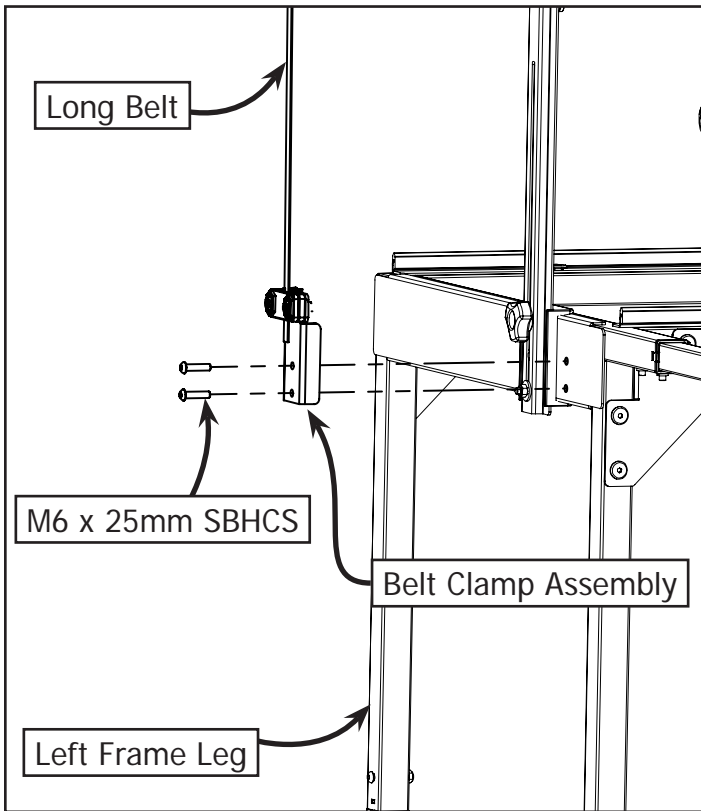


Tools Needed:

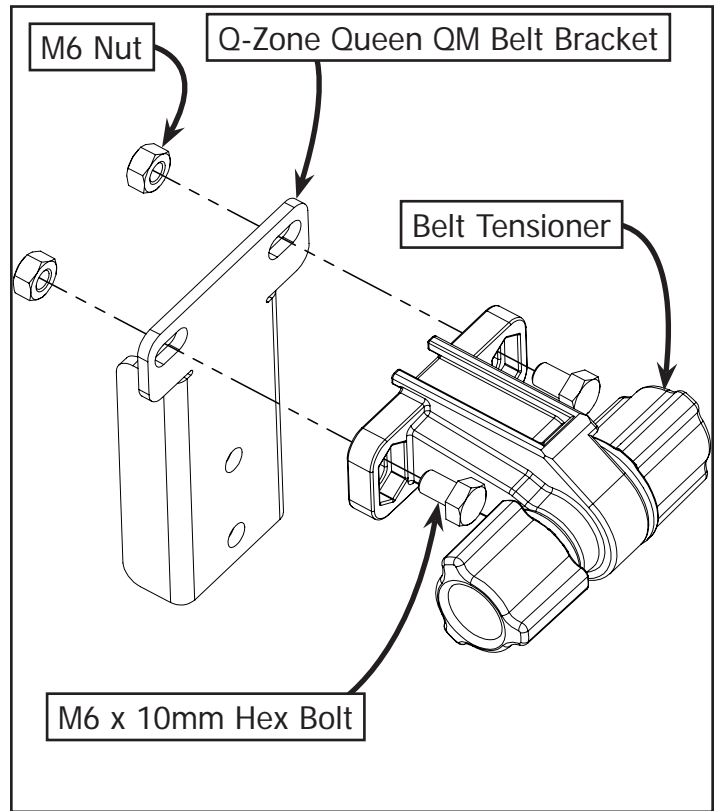
- 4mm Allen Wrench
- 10mm & 13mm Open End Wrench

**4-1:** Place the most curly end of the Long Belt into the Belt Clamp. Install the Front and Back Belt Clamps to the Q-Zone Queen QM Belt Bracket using (2) M6 x 20mm Hex Bolts and (2) M6 Nuts.

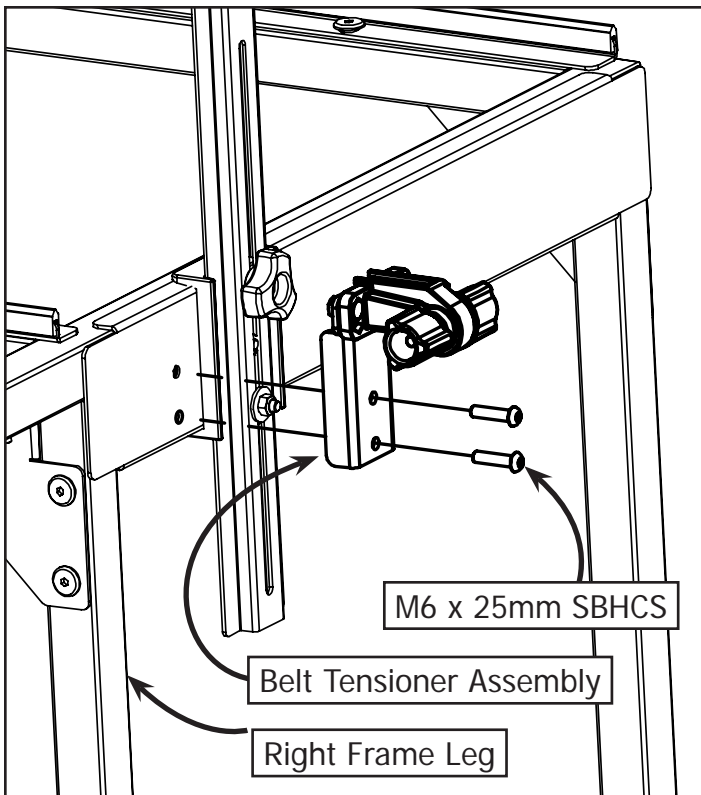
# Q-Zone Queen Frame | QuiltMotion



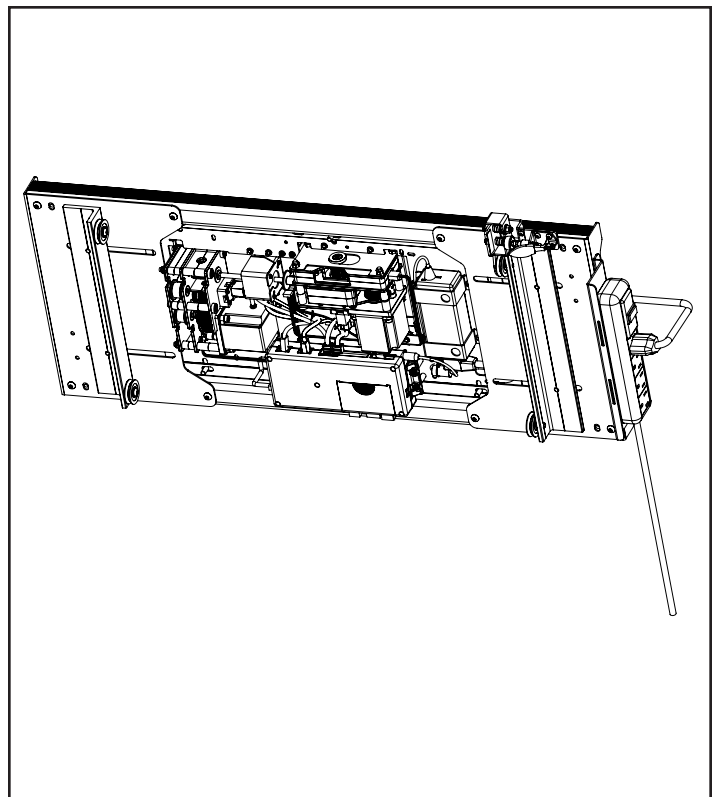
**4-2:** Install the Belt Clamp Assembly from Step 4-1 onto the Left Frame Leg using (2) M6 x 25mm SBHCS.



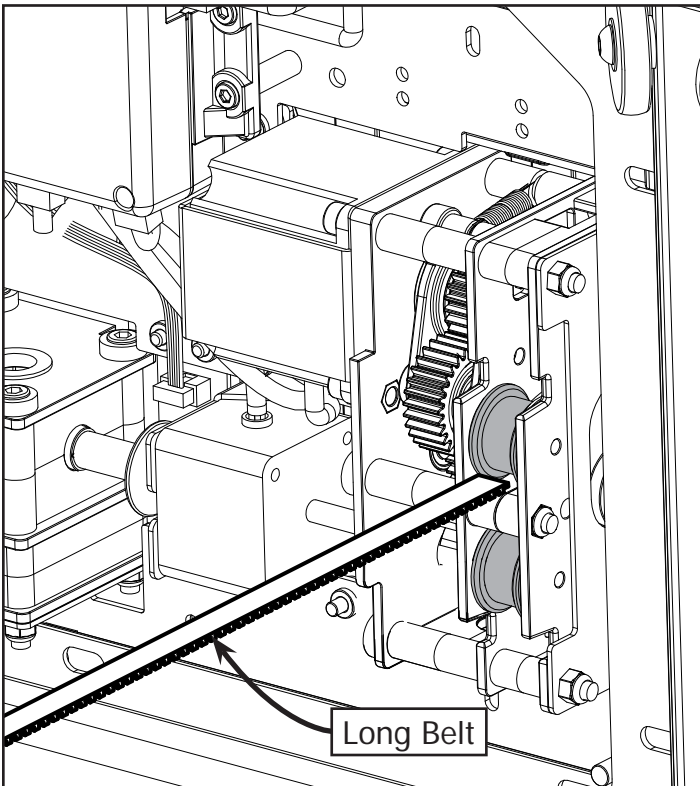
**4-3:** Install the Belt Tensioner to the Q-Zone Queen QM Belt Bracket using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.



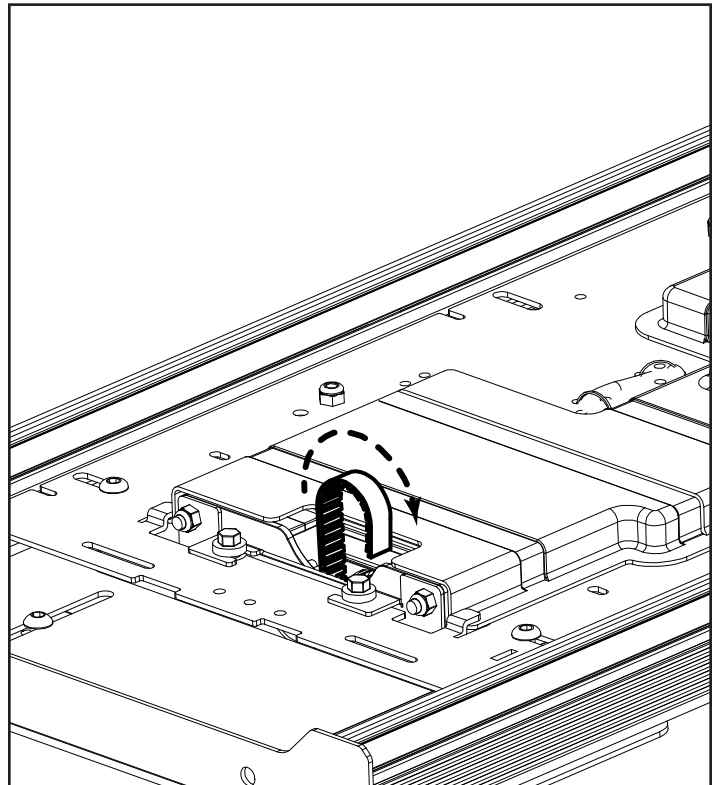
**4-4:** Install the Belt Tensioner Assembly from Step 4-3 onto the Right Frame Leg using (2) M6 x 25mm SBHCS.



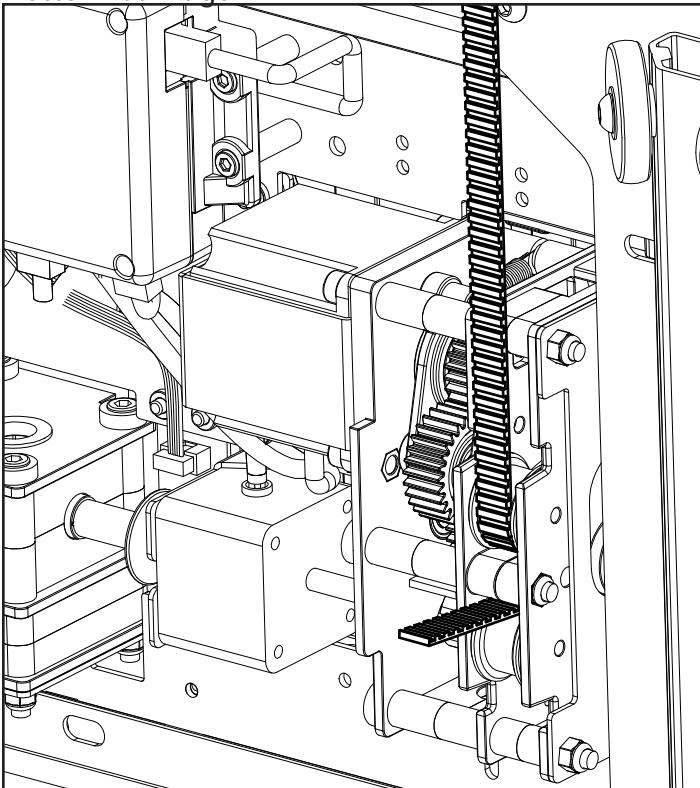
**4-5:** Tilt the Bottom Carriage onto its side.



**4-6:** Keep the Long Belt flat and thread the Long Belt into the gearbox in the QuiltMotion Motor Plate from the bottom until it comes out the top of the Bottom Carriage.

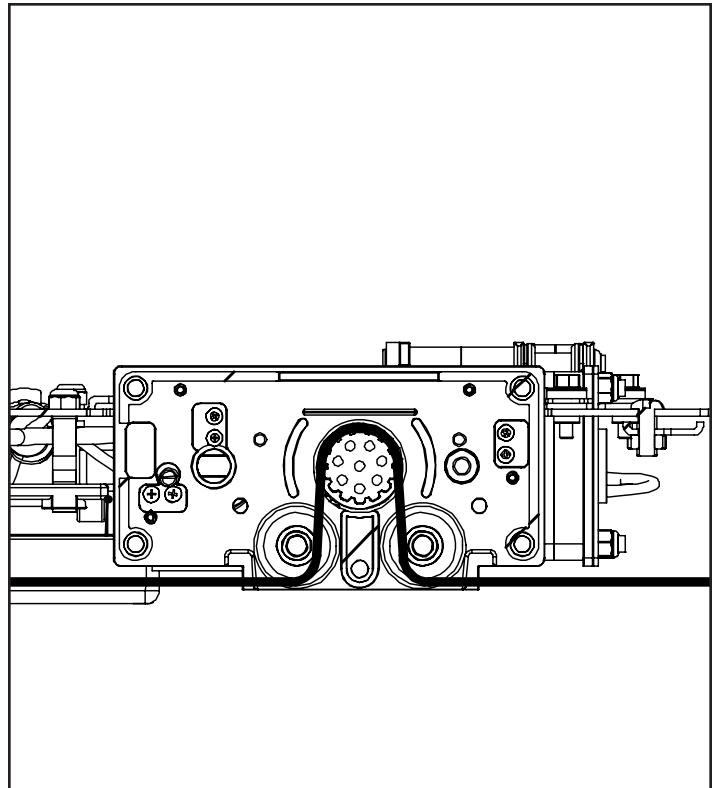


**4-7:** Loop the Long Belt over and feed it back through the gear box and back out the bottom of the Bottom Carriage.

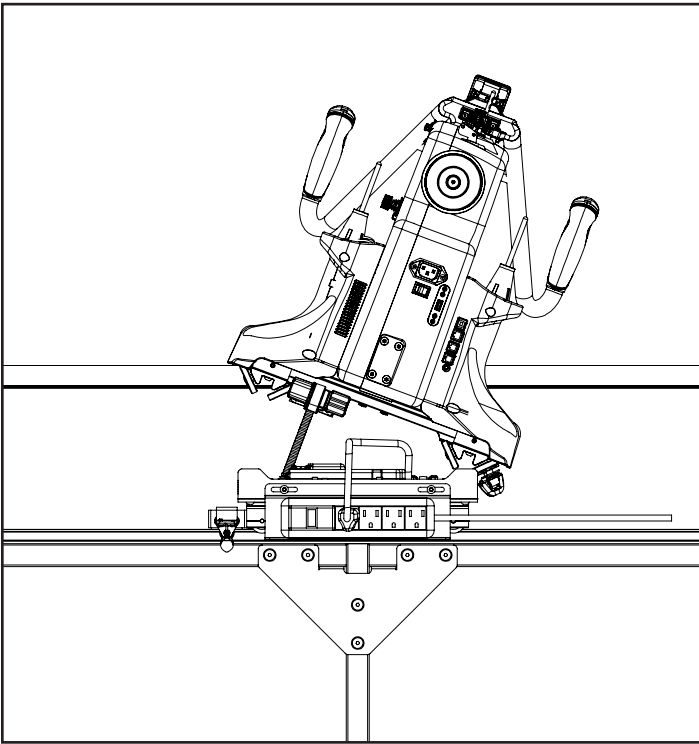


**4-8:** Pull the rest of the Long Belt through the QuiltMotion Motor Plate.

**Note:** Do not insert the belt into the Belt Tensioner Assembly yet.

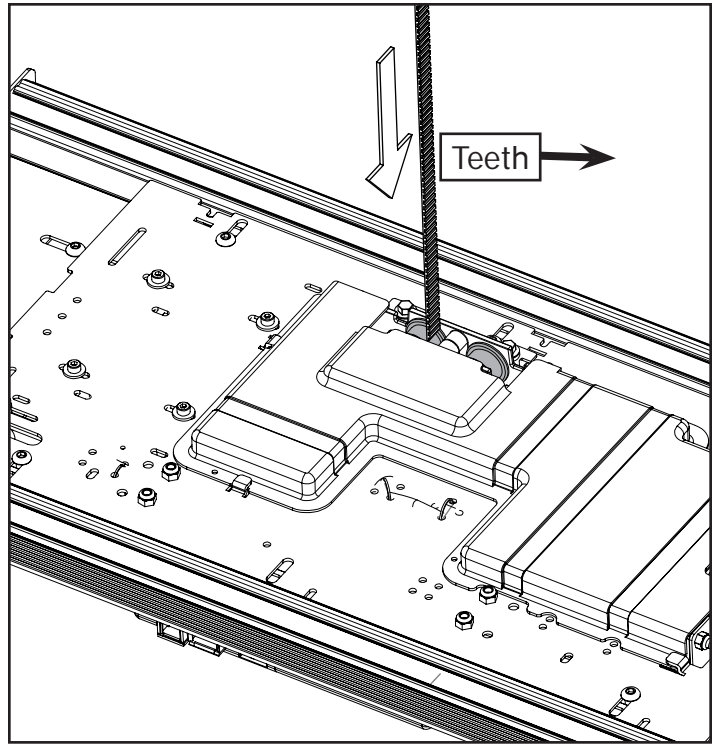


**4-9:** Belt will be routed as shown.



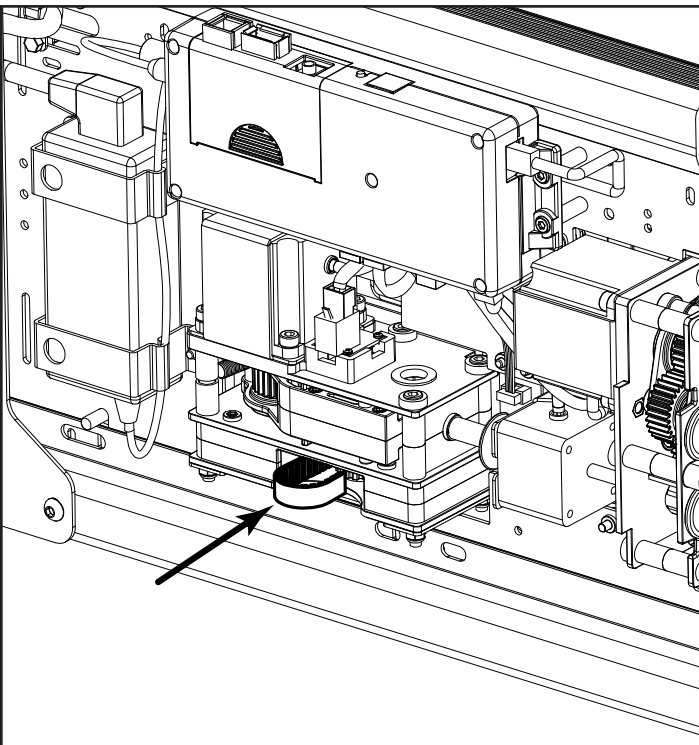
**4-10:** Place Sewing Machine or Top Plate at an angle on the carriage.

**Note:** This step will require 2 people.



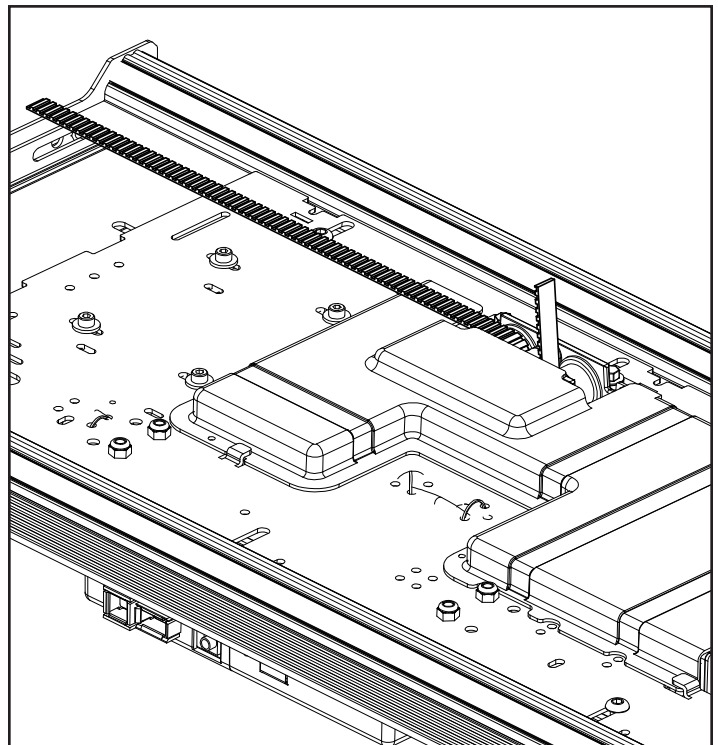
**4-11:** Thread the free end of the Short Belt into the gear box in the QuiltMotion Motor Plate from the top until it comes out the bottom of the carriage.

**Note:** Keep the belt flat without any twists.



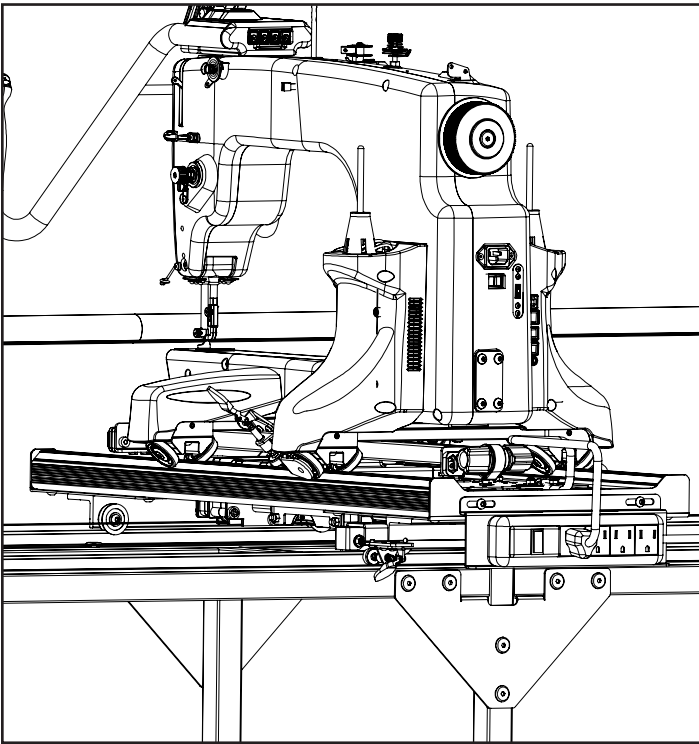
**4-12:** Loop the Short Belt over and feed it back through the gear box and back out the top of the Bottom Carriage.

**Note:** The belt teeth should be facing towards the gear teeth.

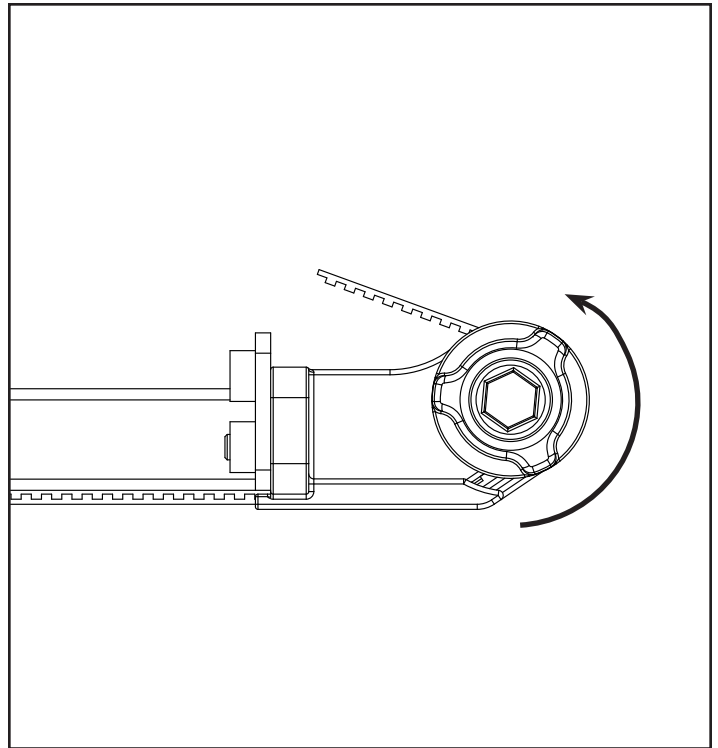


**4-13:** Pull the rest of the Short Belt through the QuiltMotion Motor Plate.

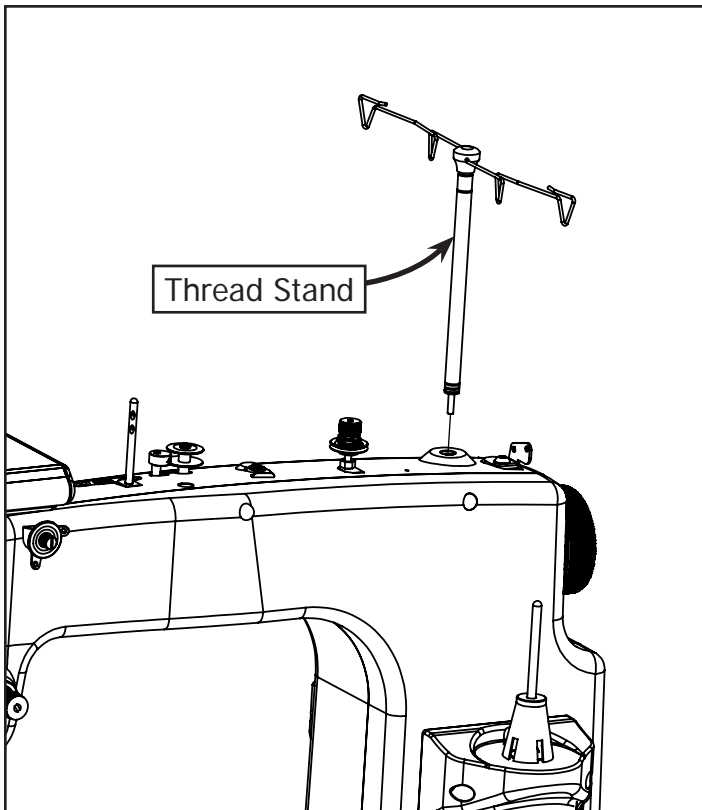




**4-14:** Place the Sewing Machine or Top Plate wheels on the Bottom Carriage and the Bottom Carriage onto the frame track.



**4-15:** Feed the free end of the Short Belt into the Belt Tensioner. Turn the right knob to tighten the belt all the way through the Tensioner. Once the belt is tight rotate the left knob clockwise to lock it in place.



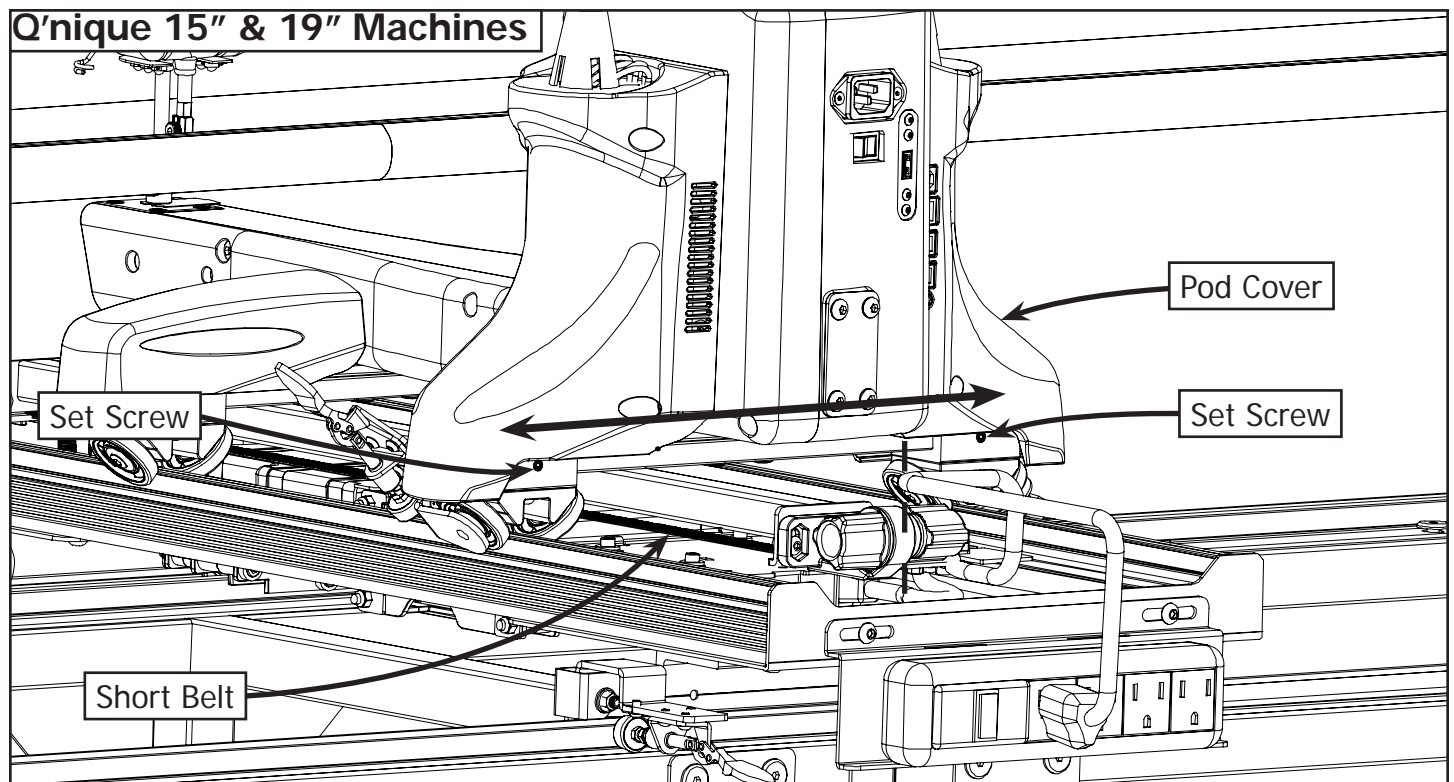
**4-16:** Re-install the Thread Stand onto your machine. See your machine manual for instructions.

## Step 5 – Aligning the Belts

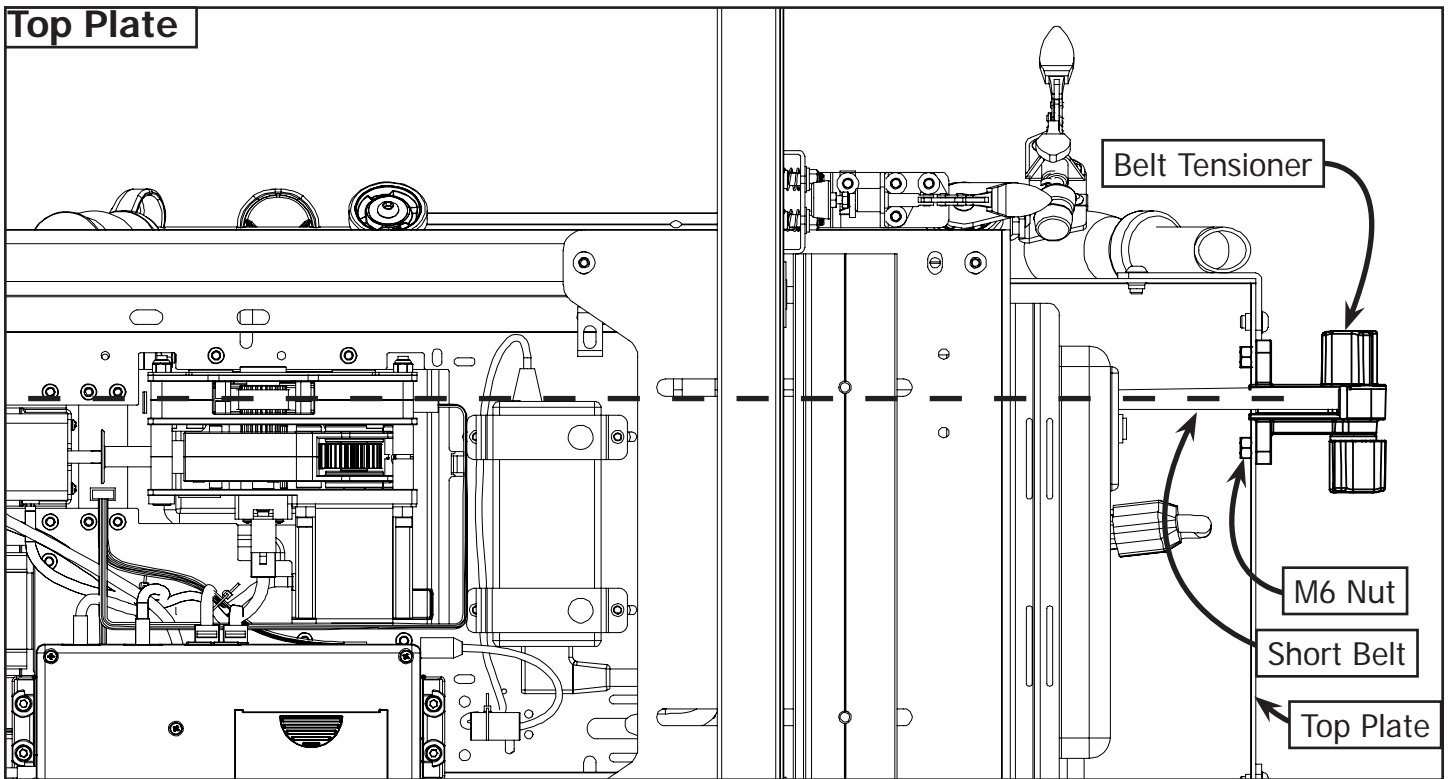
Tools Needed:

3mm Allen Wrench

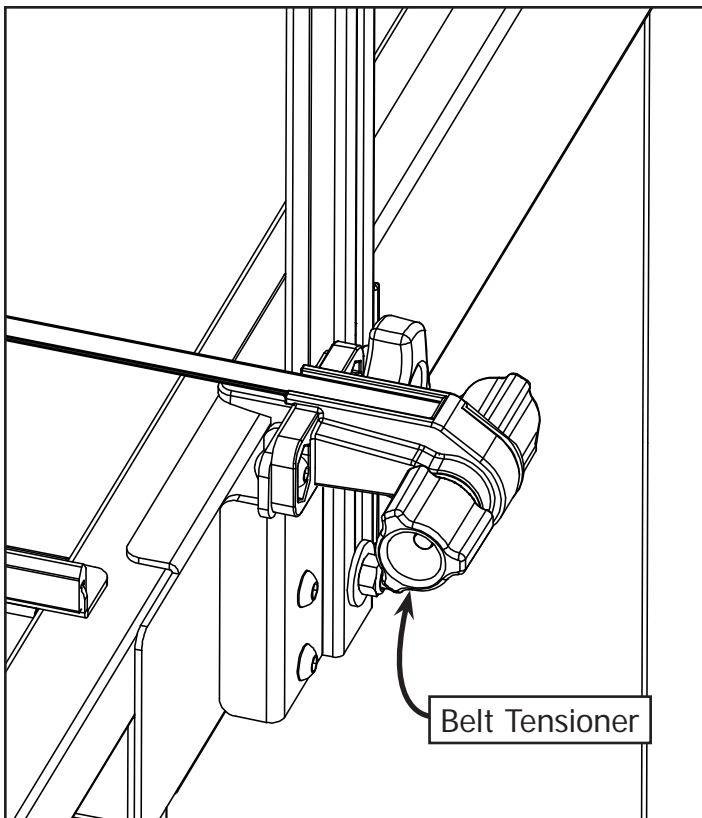
10mm & 13mm Open End Wrench



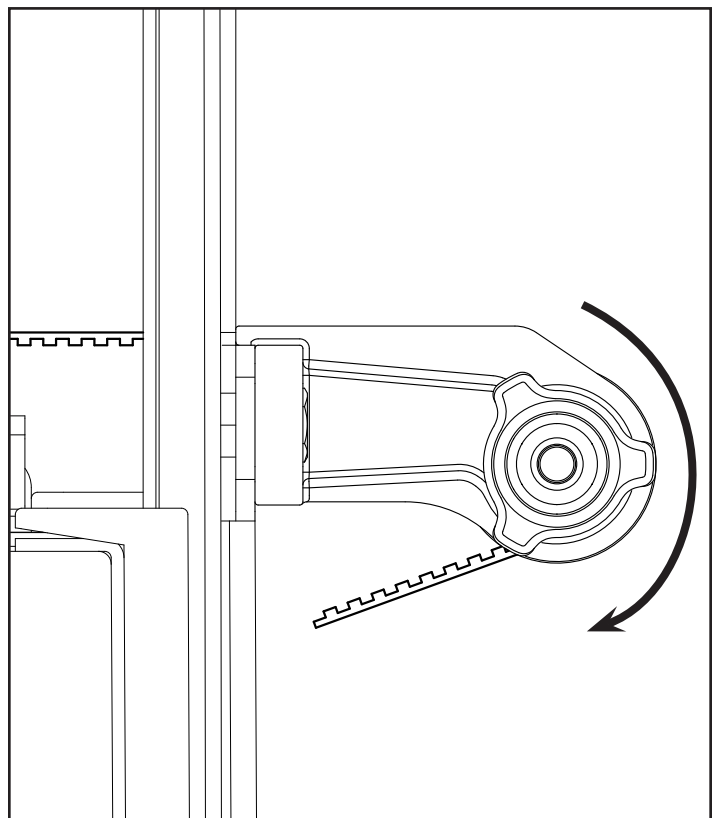
Refer to QCT and Wiring Instruction Booklet.



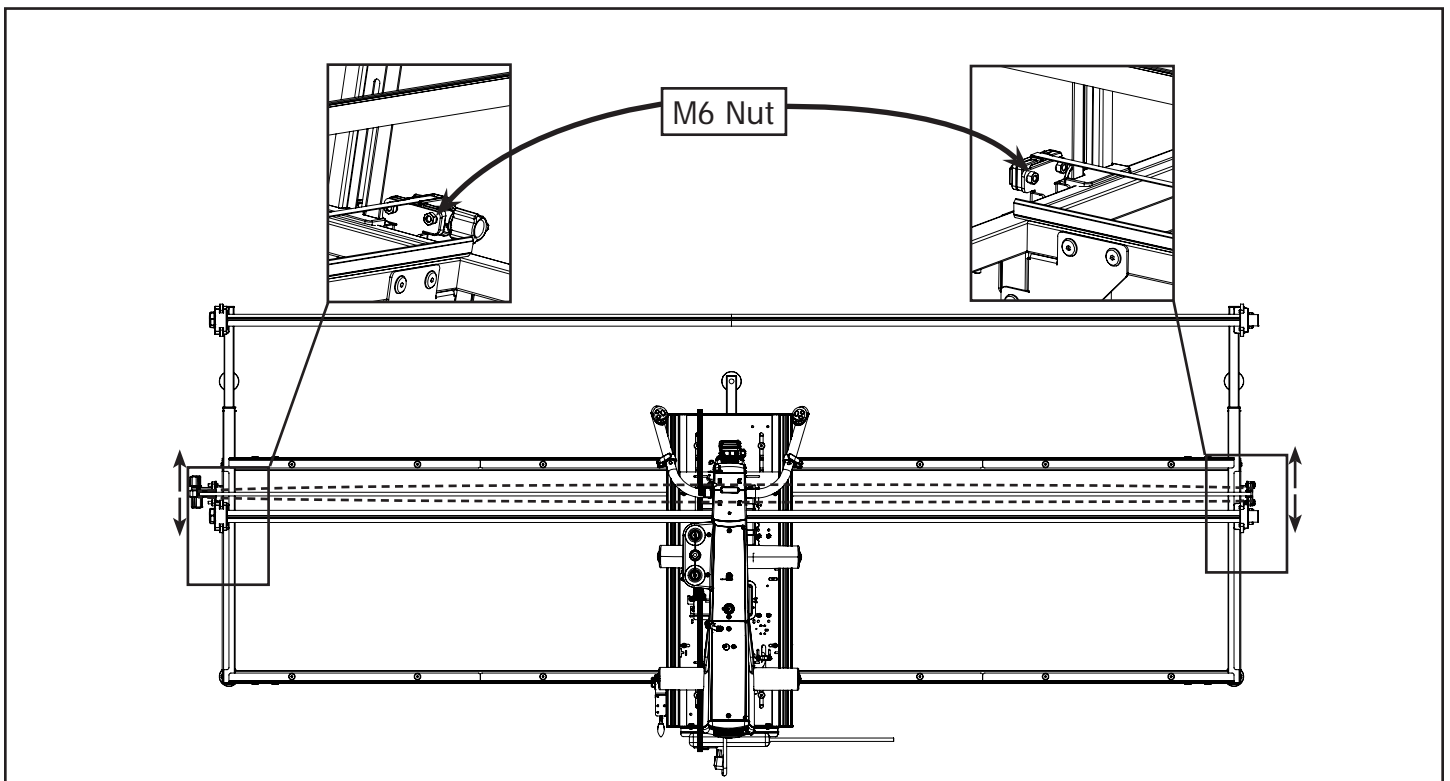
**5-1:** Check the alignment of the belt attached to the Top Plate. If it is bowed to one side move the Top Plate as far back as possible. Loosen the (2) M6 Nuts on the Belt Tensioner and adjust until the Short Belt is aligned with the Motor Plate.



**5-2:** Insert the free end of the Long Belt into the Belt Tensioner Assembly.

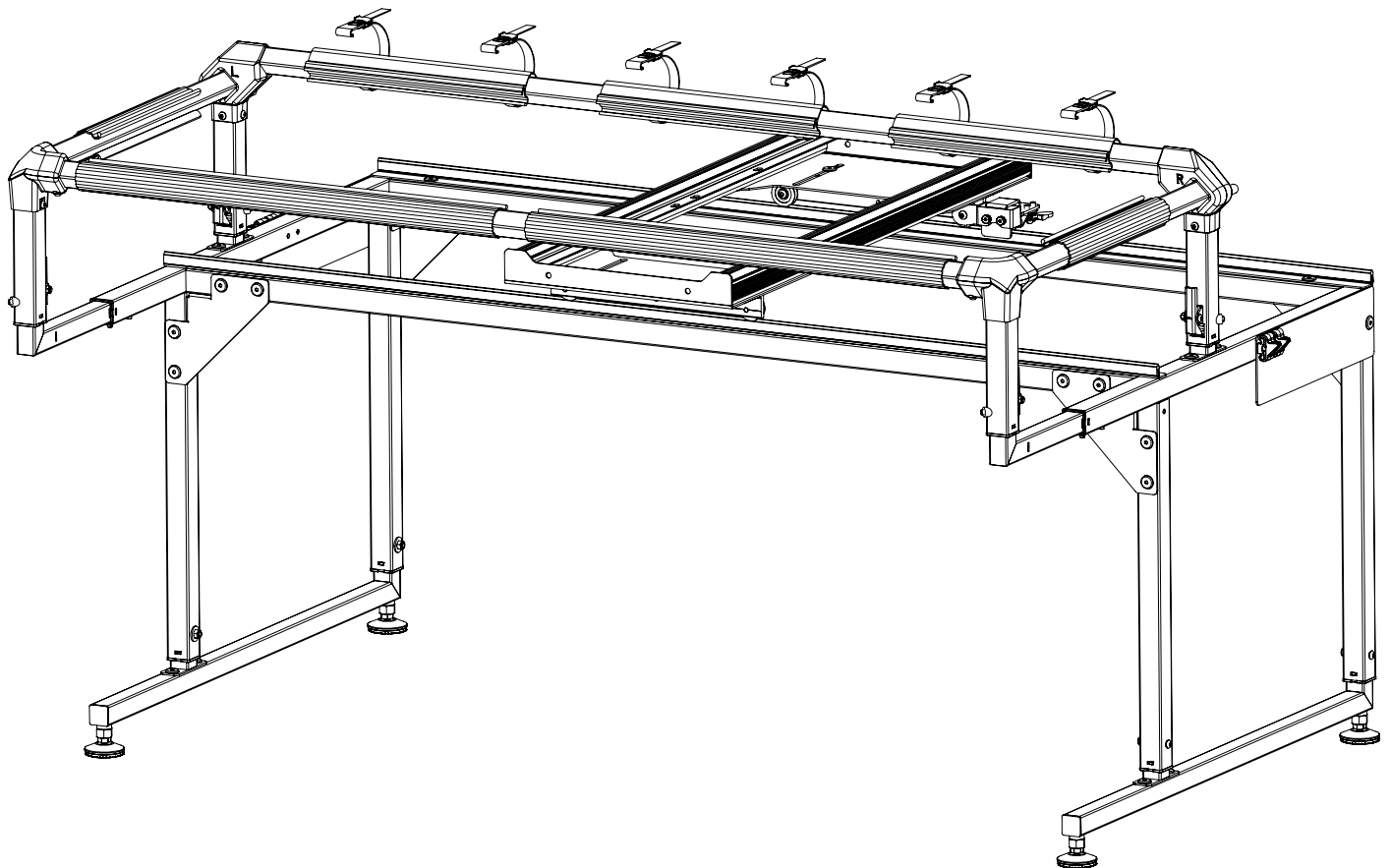


**5-3:** Twist the right Belt Tensioner knob to tighten the belt. Once the belt is tight rotate the left knob clockwise to lock it into place.



**5-4:** Loosen the M6 Nuts from Step 4-1 and Step 4-3. Adjust the Belt Tensioner Assembly and the Belt Clamp Assembly to make sure there is no bow in the Long Belt. Once the Long Belt is straight, tighten the M6 x 20mm Hex Bolts on the Belt Tensioner Assembly and the Belt Clamp Assembly.

**\*See Your QCT and Wiring Instructions Booklet\***



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### Top Belt Bracket

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Step 3b: Short Belt Installation - Top Plate .....page 43

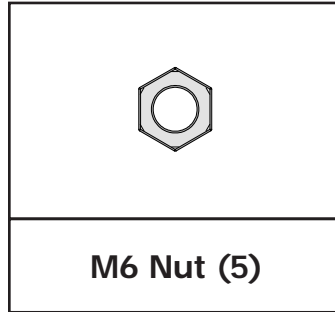
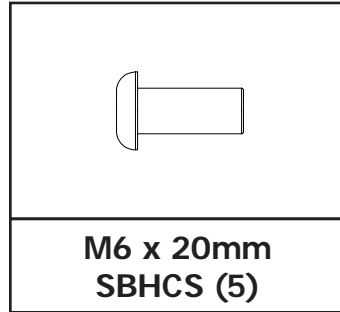
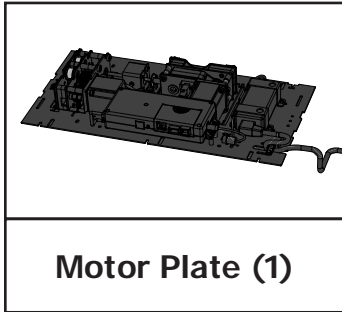
### Q-Zone Hoop-Frame

Step 4: Long Belt Installation .....page 45

Step 5: Aligning the Belts .....page 50

## Step 1 – Motor Plate Installation

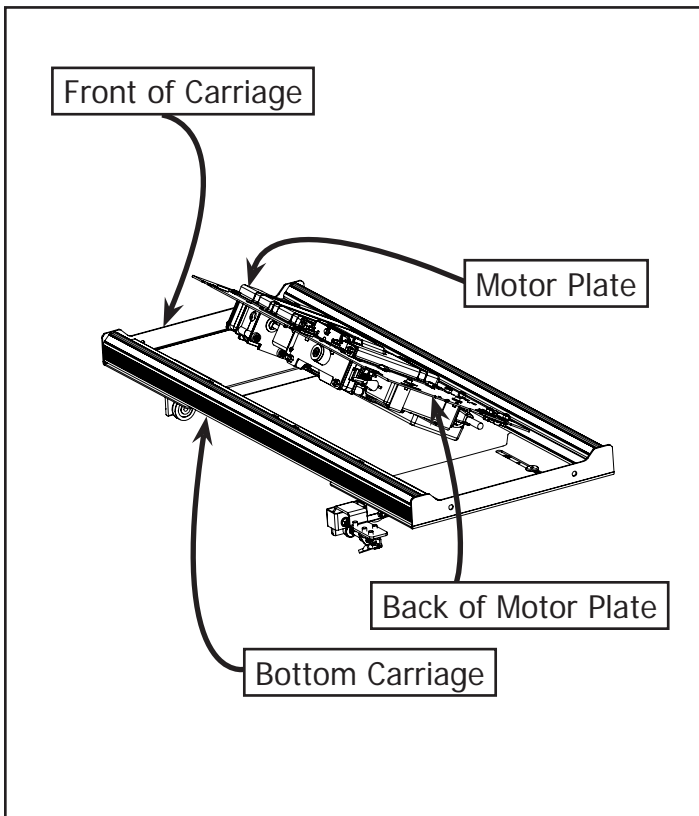
Parts Needed:



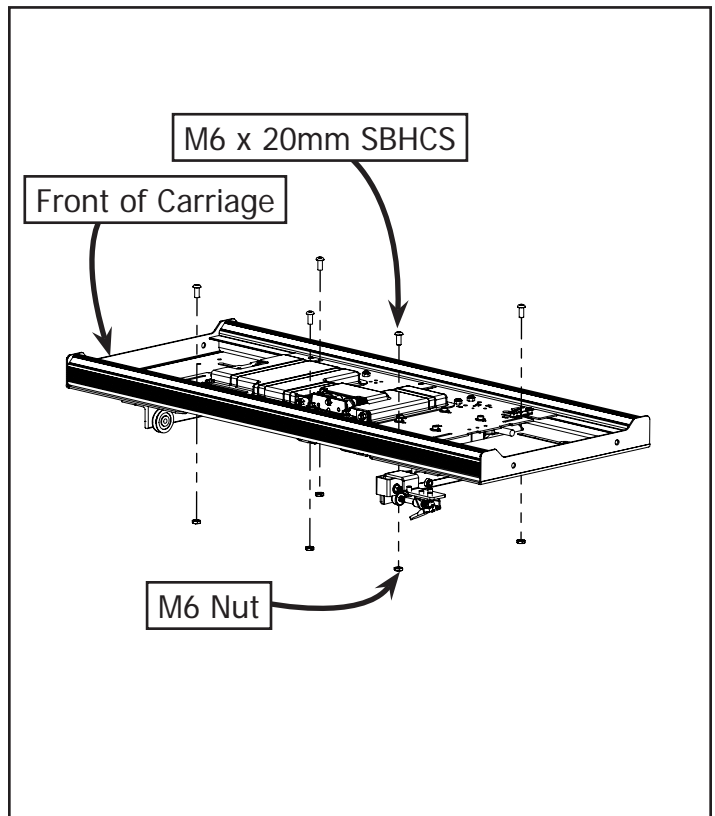
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



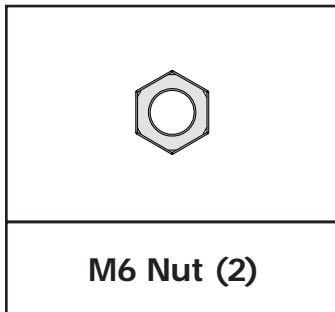
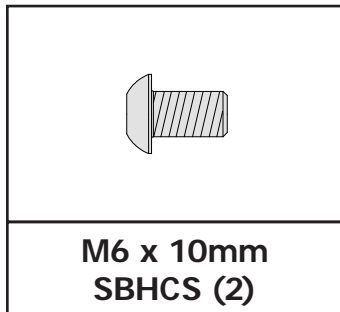
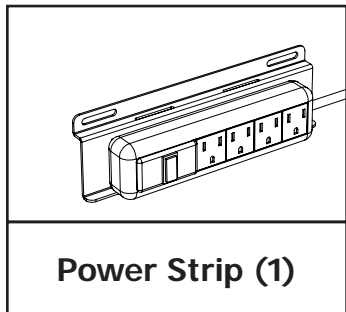
**1-1:** Insert the Motor Plate into the Bottom Carriage at an angle.



**1-2:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS and (5) M6 Nuts through the slots in the Bottom Carriage.

## Step 2 – Power Strip Installation

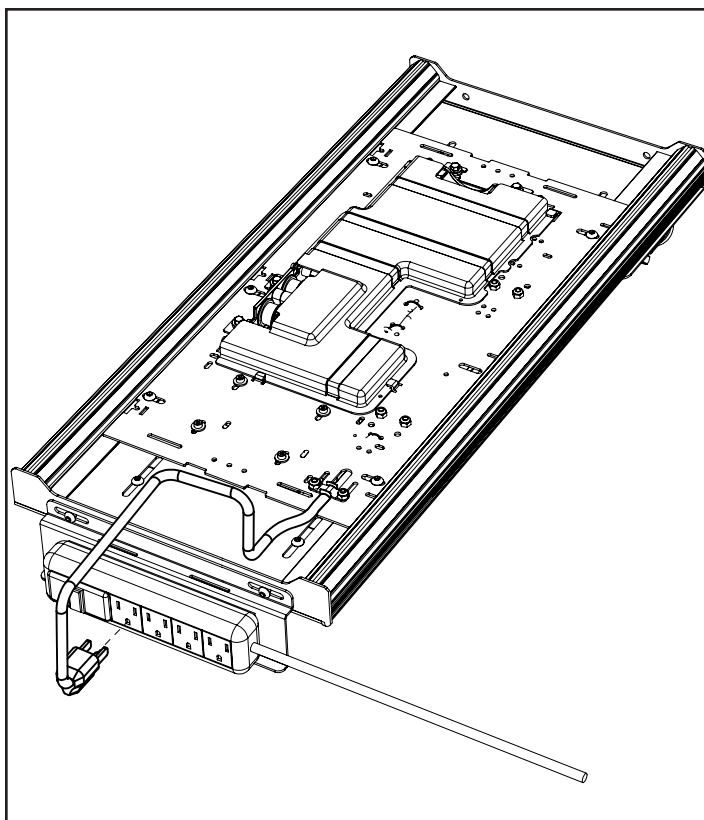
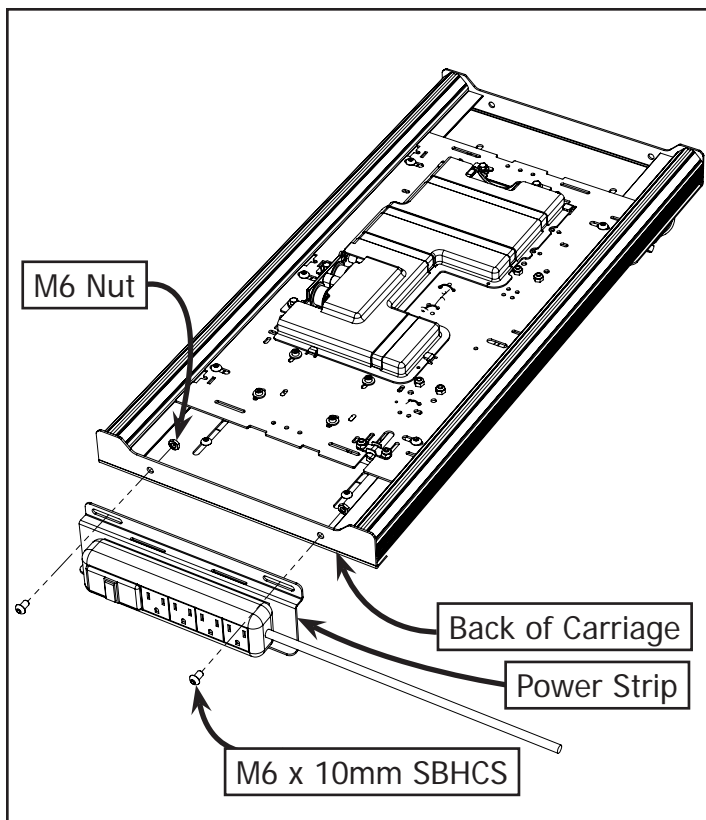
Parts Needed:



Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



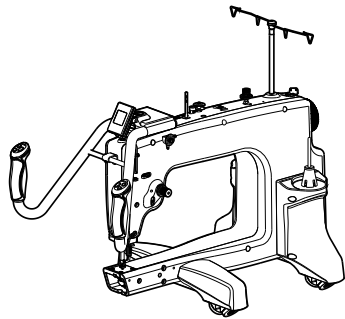
**2-1:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.

**2-2:** Plug the Motor Plate into the Power Strip.

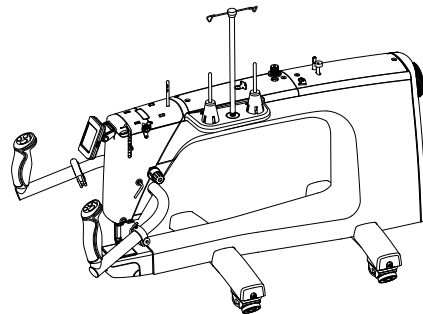


**Step 3** – Choose your Machine or Top Plate.

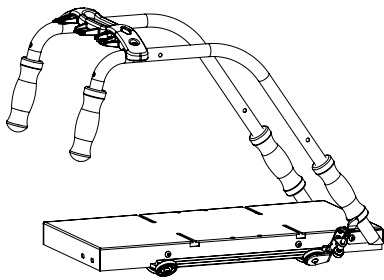
Proceed to the page number associated with your Machine or Top Plate.



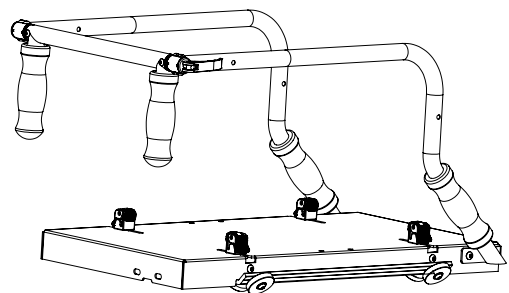
**Q'nique 15**  
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**Q'nique 19**  
Turn to page 41



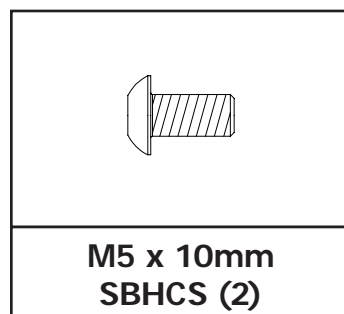
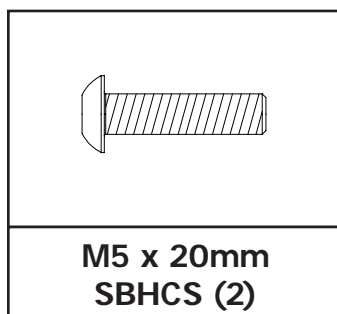
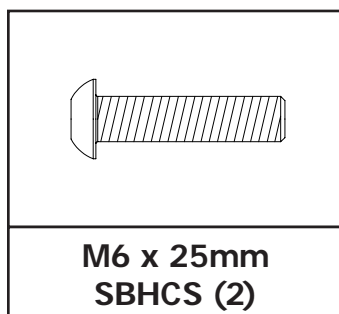
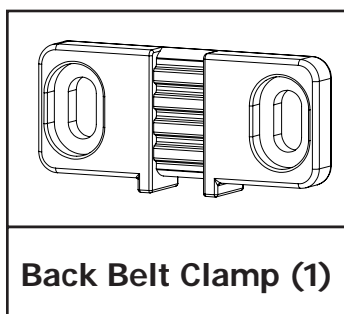
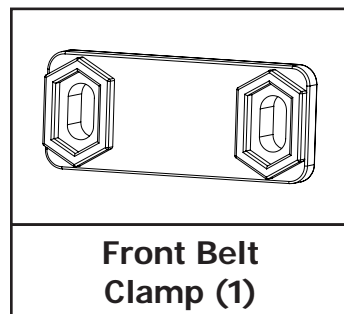
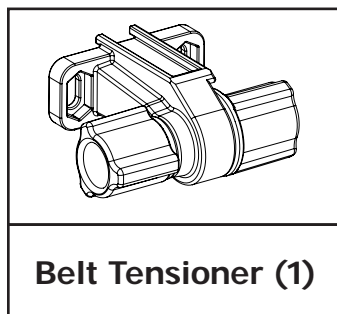
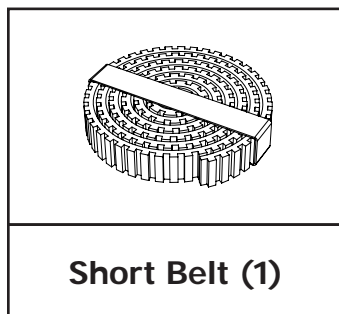
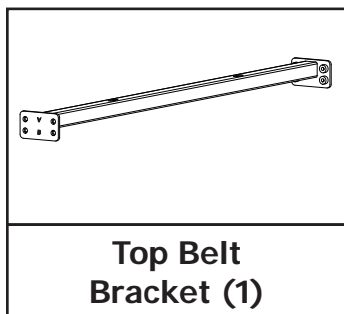
**G-Series Top Plate**  
Turn to page 43



**G-Series 2 Top Plate**  
Turn to page 43

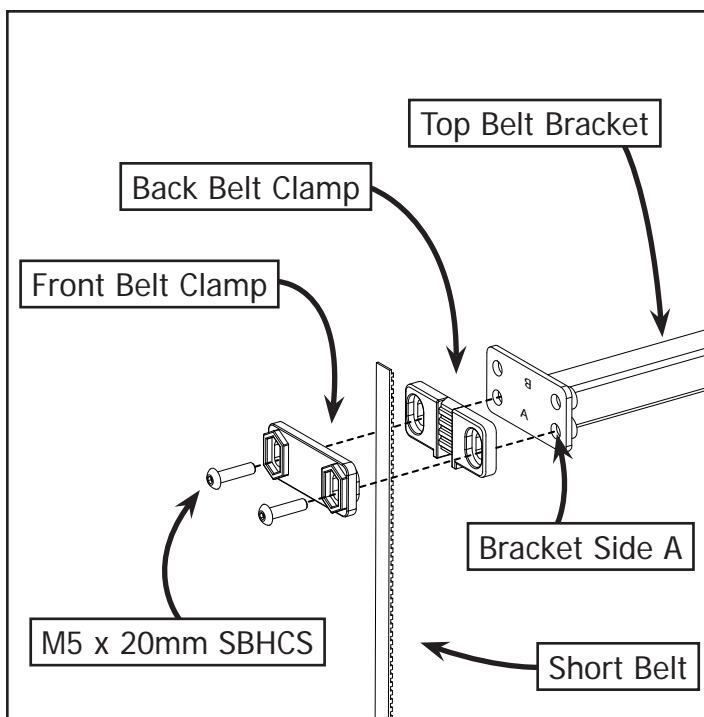
### Step 3a – Short Belt Installation - Q'nique 15" & 19"

Parts Needed:

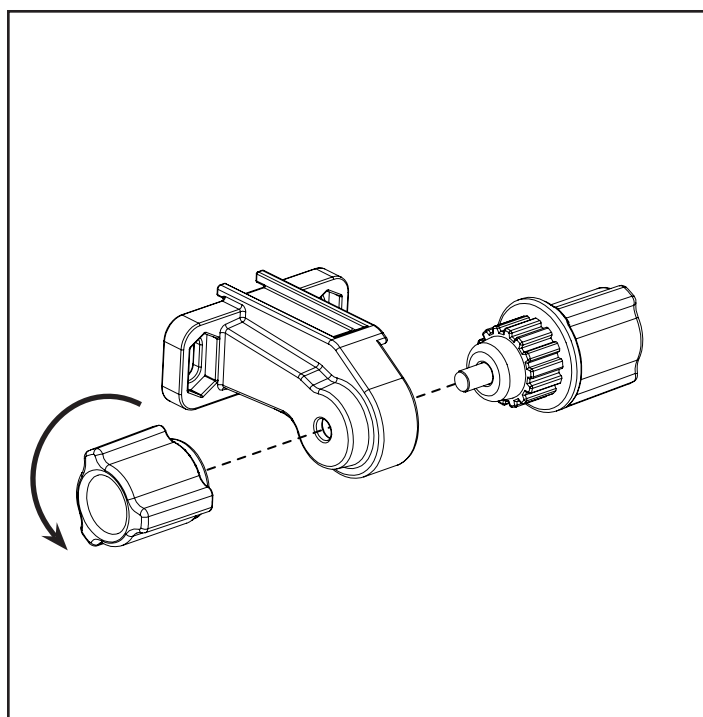


Tools Needed:

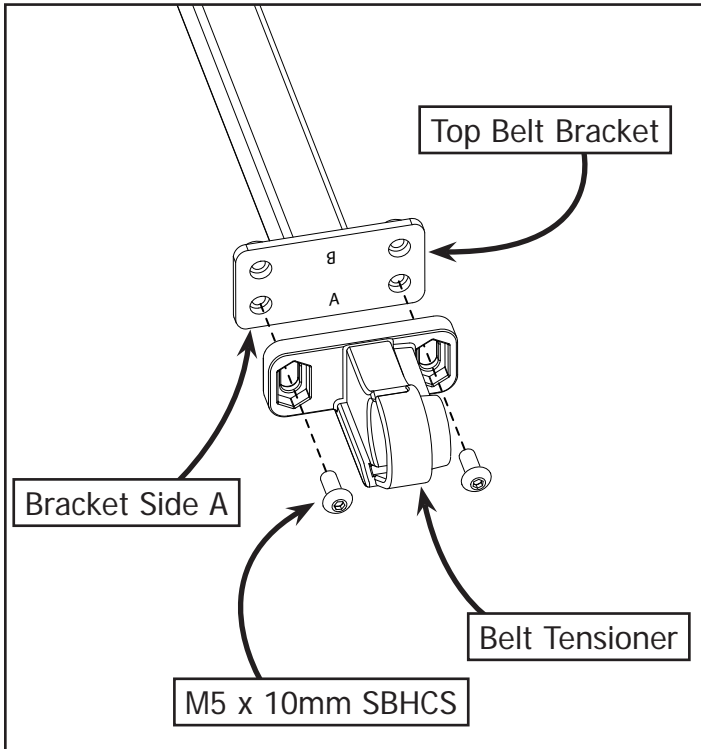
- 3mm Allen Wrench
- 4mm Allen Wrench



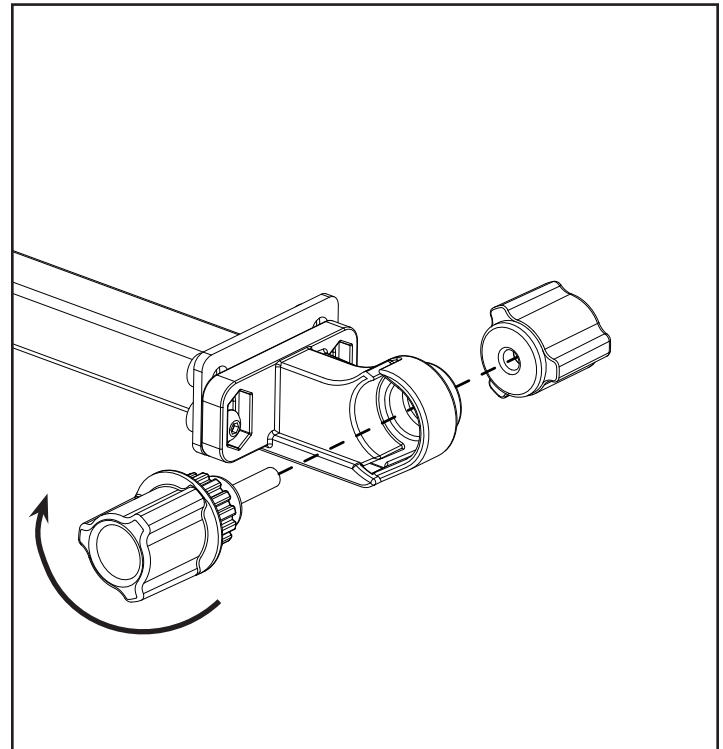
**3-1a:** Place the more curled end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side A.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.



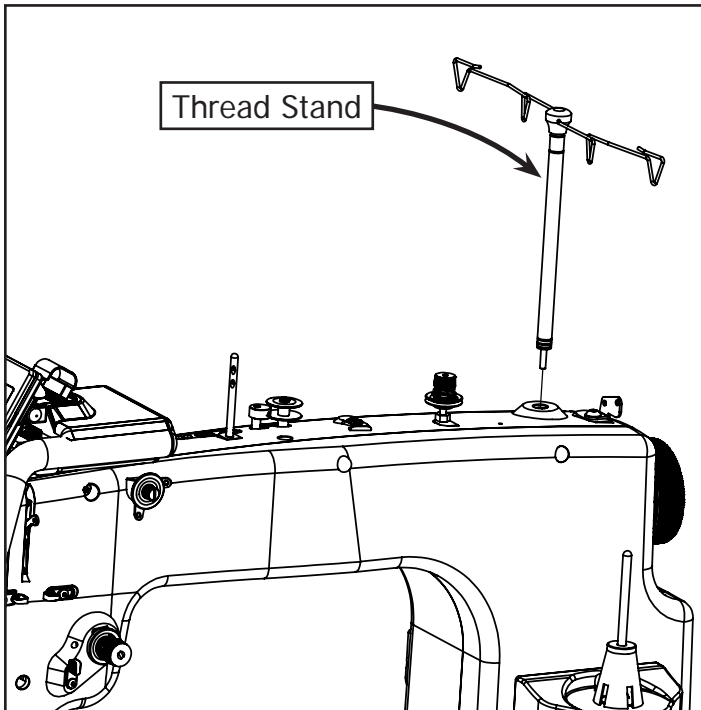
**3-2a:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



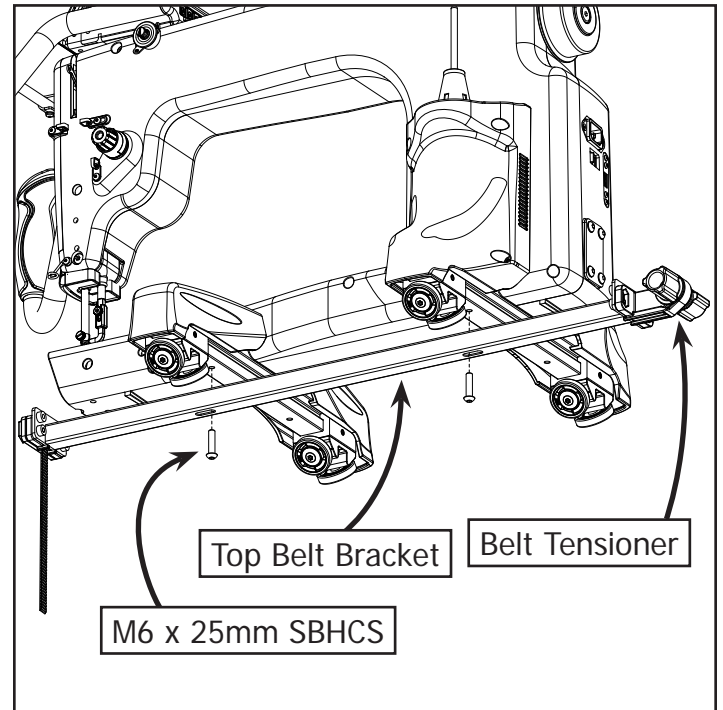
**3-3a:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side A using (2) M5 x 10mm SBHCS.



**3-4a:** Re-Install the Belt Tensioner Knobs.



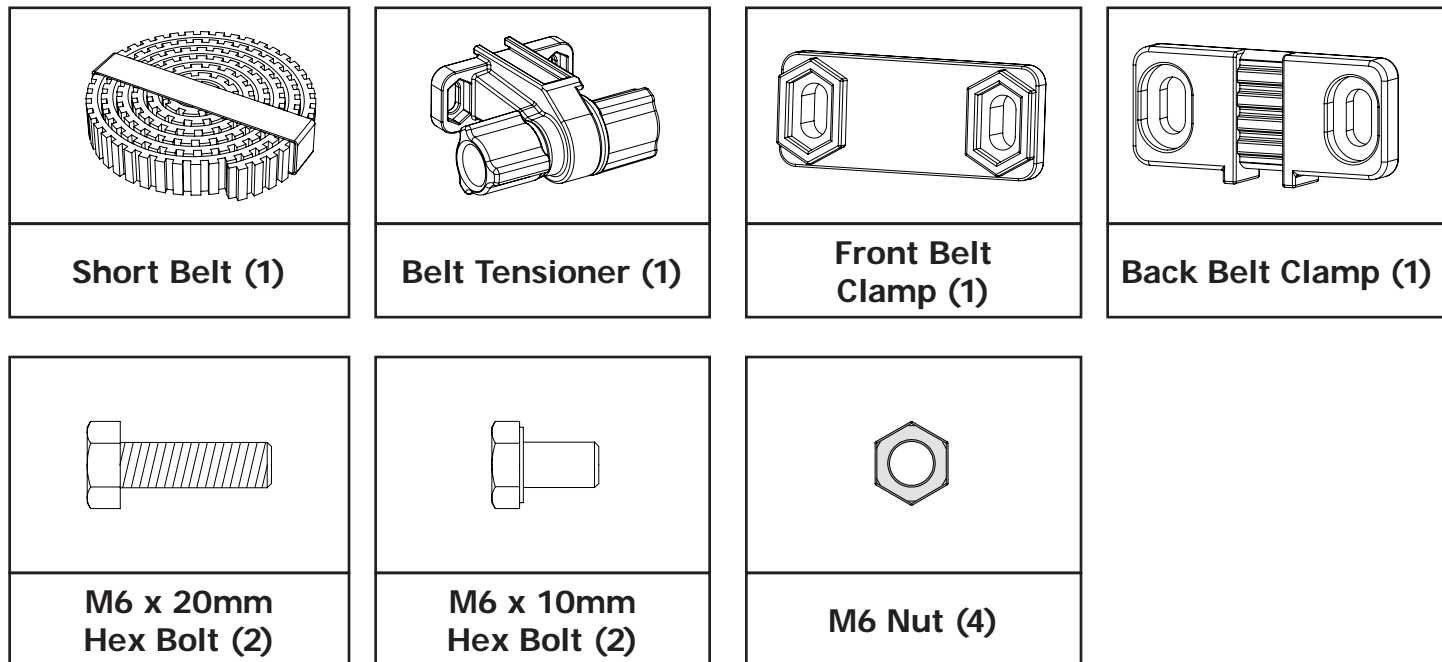
**3-5a:** Remove the Thread Stand from your machine. See your machine manual for instructions.



**3-6a:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.

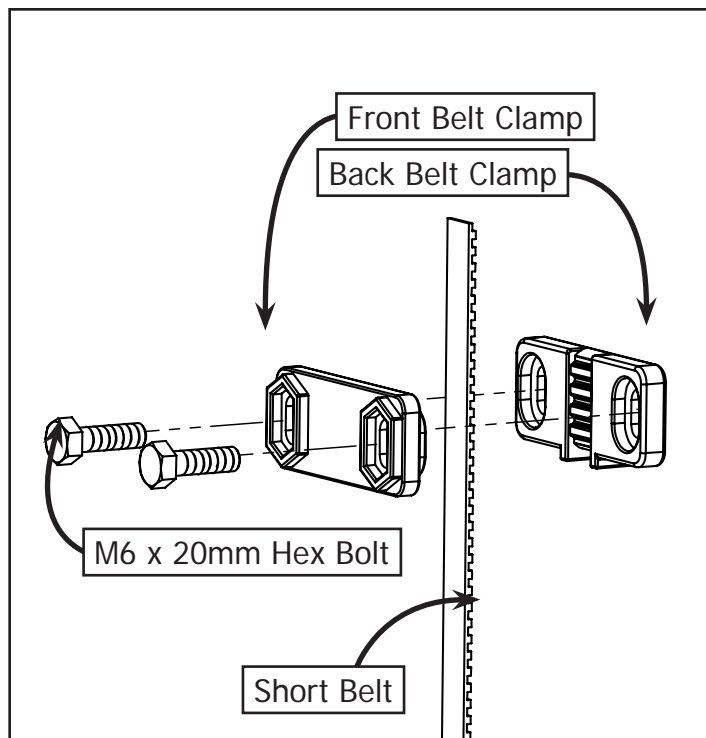
## Step 3b – Short Belt Installation - Top Plate

Parts Needed:

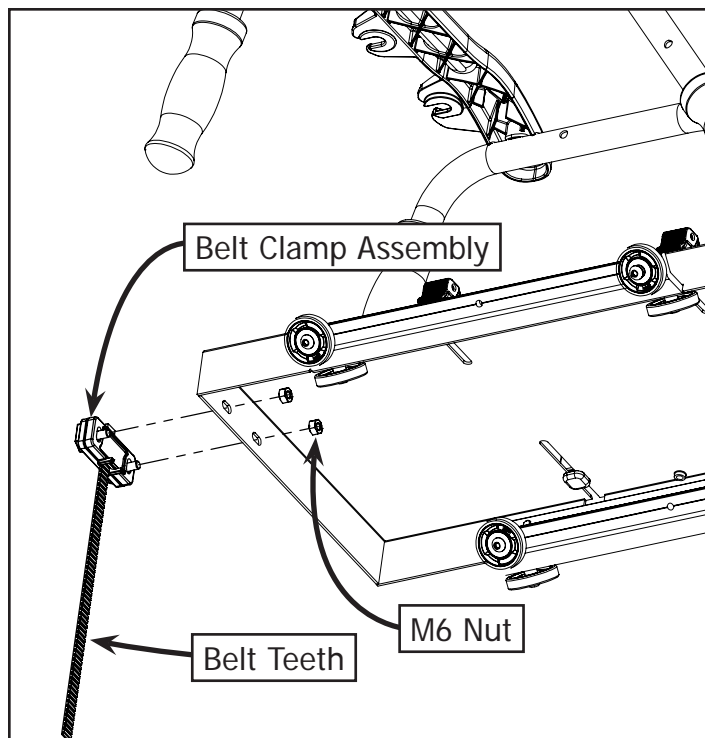


Tools Needed:

10mm & 13mm Open End Wrench

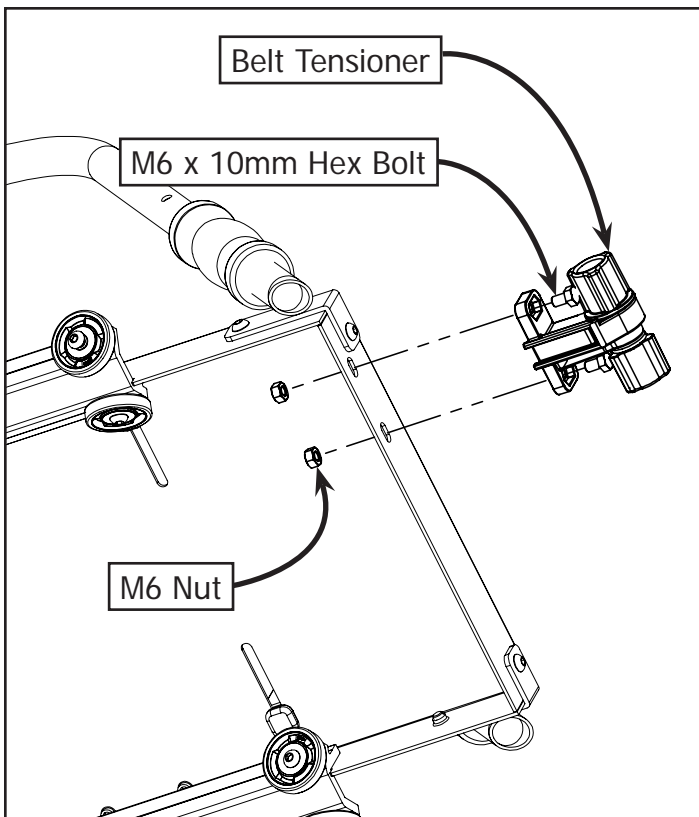


**3-1b:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and place (2) M6 x 20mm Hex Bolts through the Belt Clamp.



**3-2b:** Assemble the completed assembly (from Step 3-1b) to the front end of the Top Plate using (2) M6 Nuts.

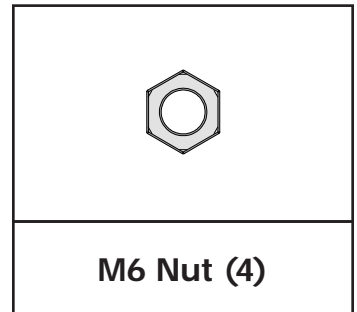
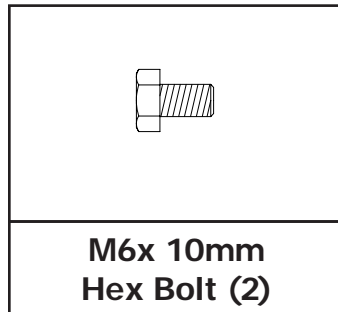
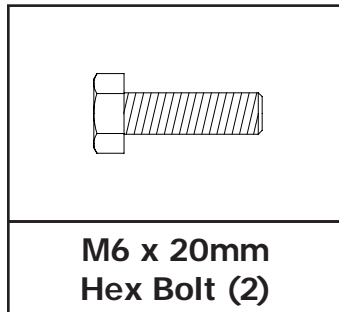
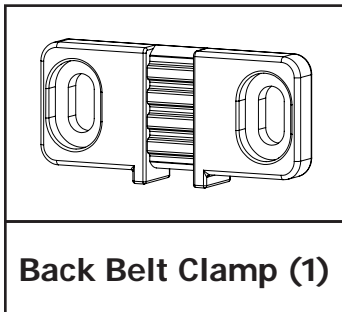
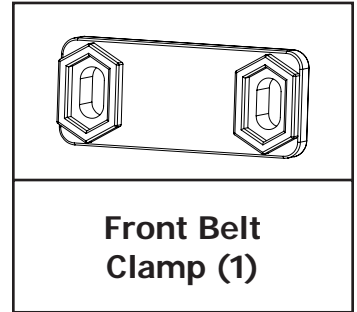
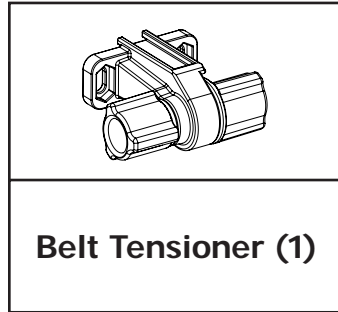
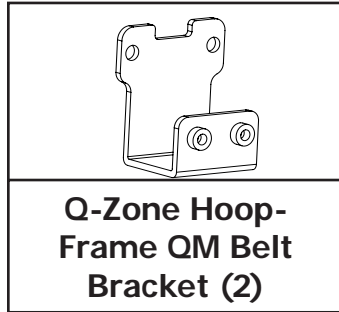
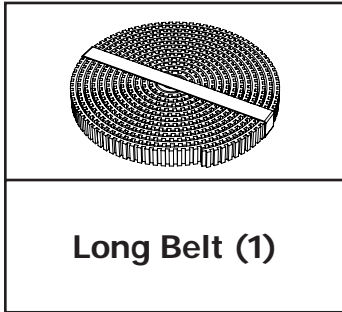
**Note:** The teeth of the belt should be facing towards the Top Plate.



**3-3b:** Assemble the Belt Tensioner onto the opposite end of the Top Plate using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.

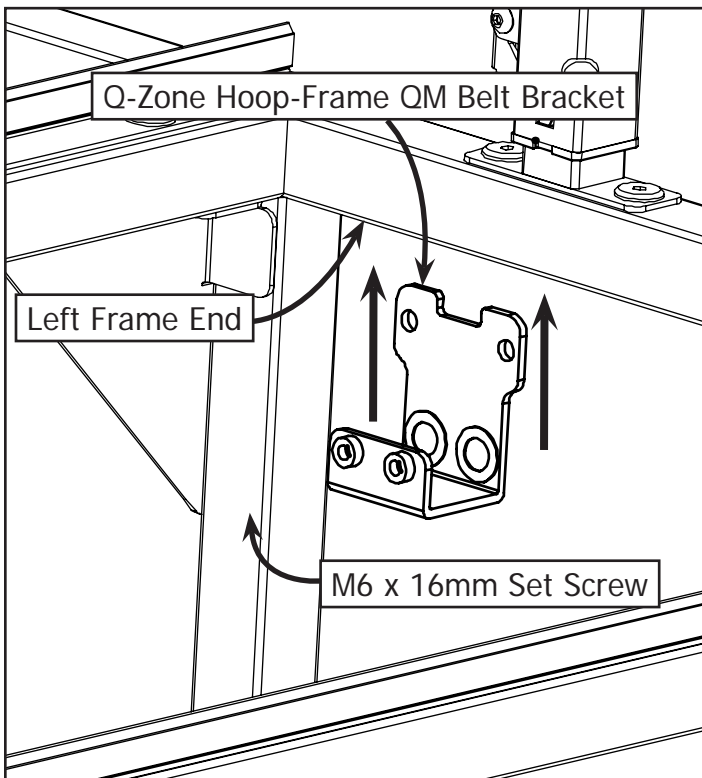
## Step 4 – Long Belt Installation

Parts Needed:



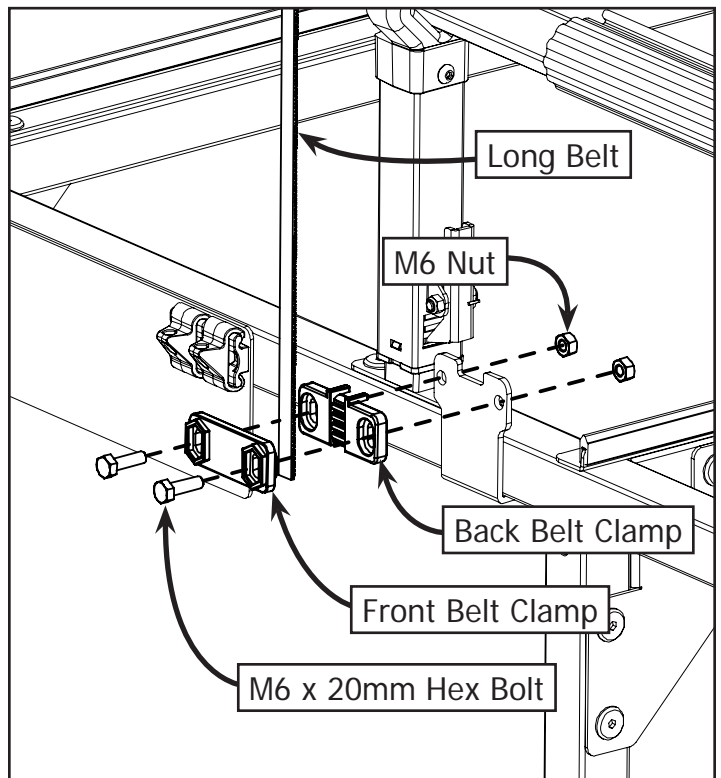
Tools Needed:

- 3mm Allen Wrench
- 4mm Allen Wrench

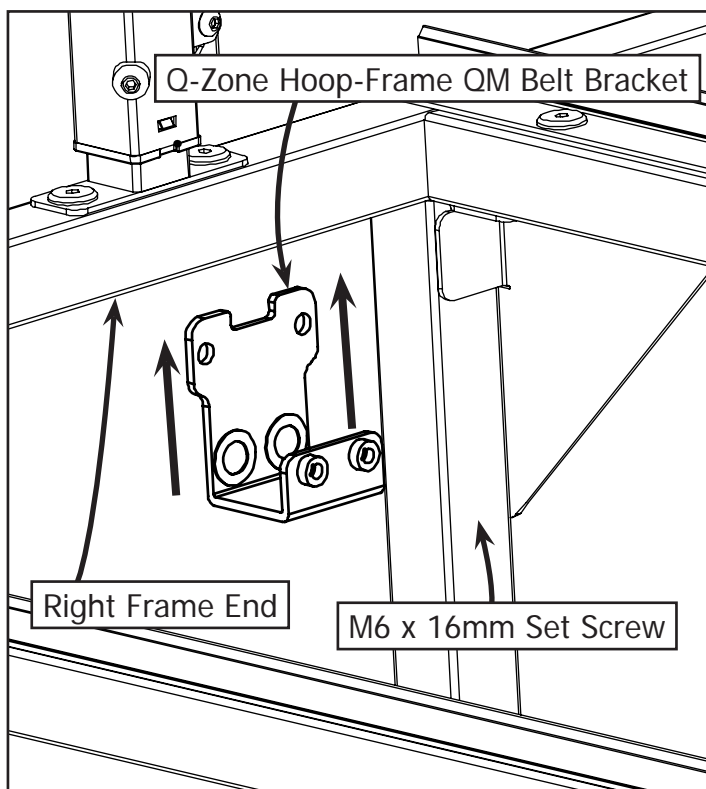


**4-1:** Attach the Q-Zone Hoop-Frame QM Belt Bracket to the Left Frame End using (2) pre-installed M6 x 16mm Set Screws.

**Note:** Do not tighten set screws at this time.

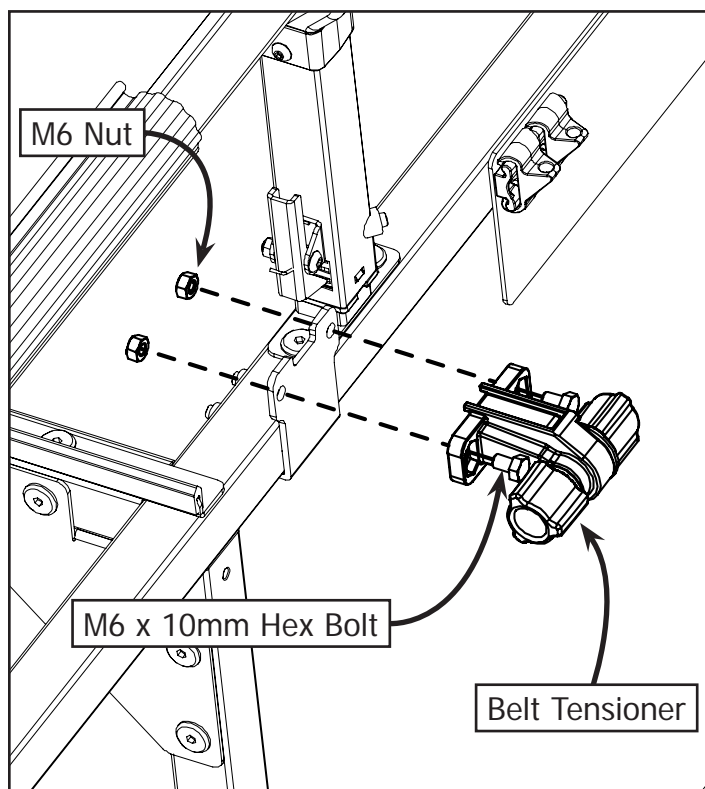


**4-2:** Place the most curly end of the Long Belt into the Back Belt Clamp. Install the Front Belt Clamps to the Q-Zone Hoop-Frame QM Belt Bracket using (2) M6 x 20mm Hex Bolts and (2) M6 Nuts.

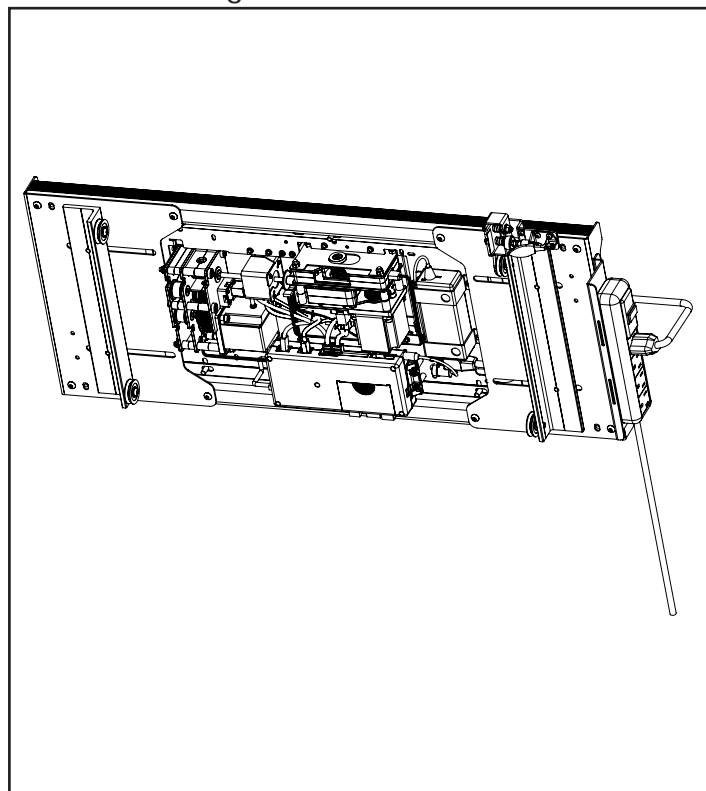


**4-3:** Attach the Q-Zone Hoop-Frame QM Belt Bracket to the Right Frame End using (2) pre-installed M6 x 16mm Set Screws.

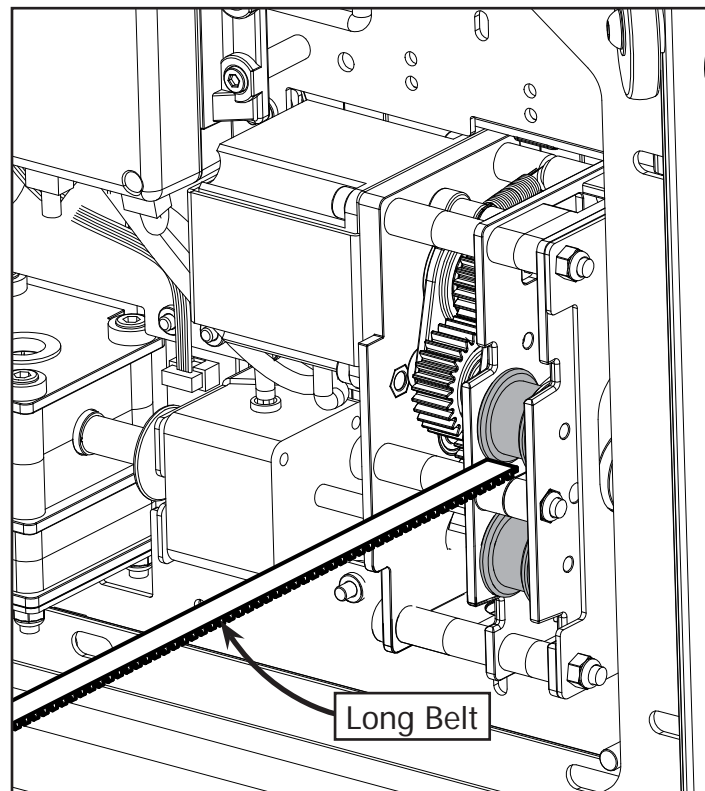
**Note:** Do not tighten set screws at this time.



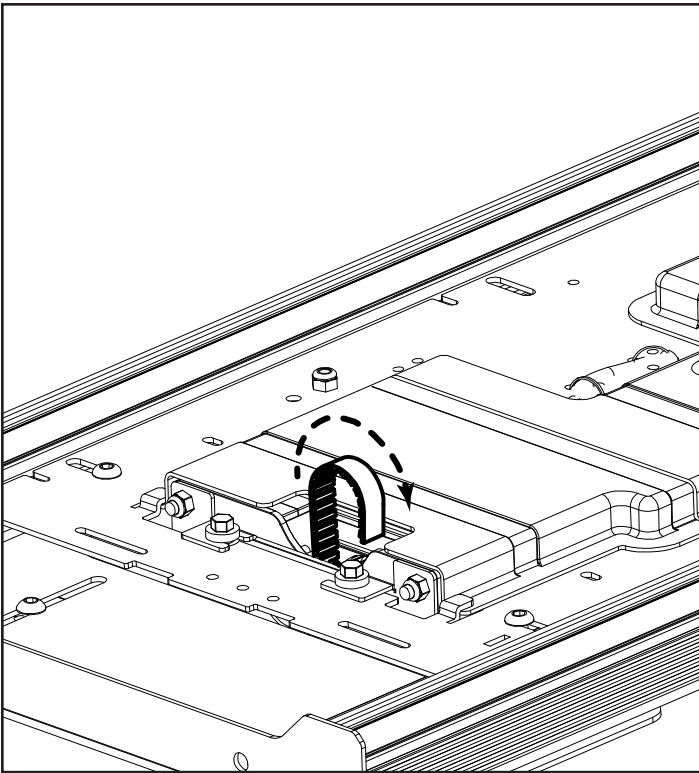
**4-4:** Install the Belt Tensioner to the Q-Zone Hoop-Frame Belt Bracket using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.



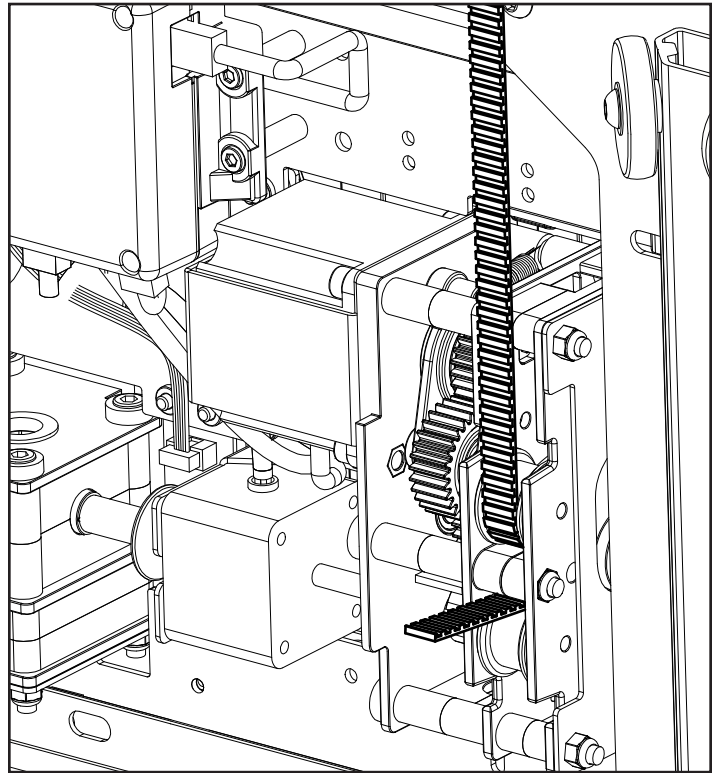
**4-5:** Tilt the Bottom Carriage onto its side.



**4-6:** Keep the Long Belt flat and thread the Long Belt into the gearbox in the QuiltMotion Motor Plate from the bottom until it comes out the top of the Bottom Carriage.

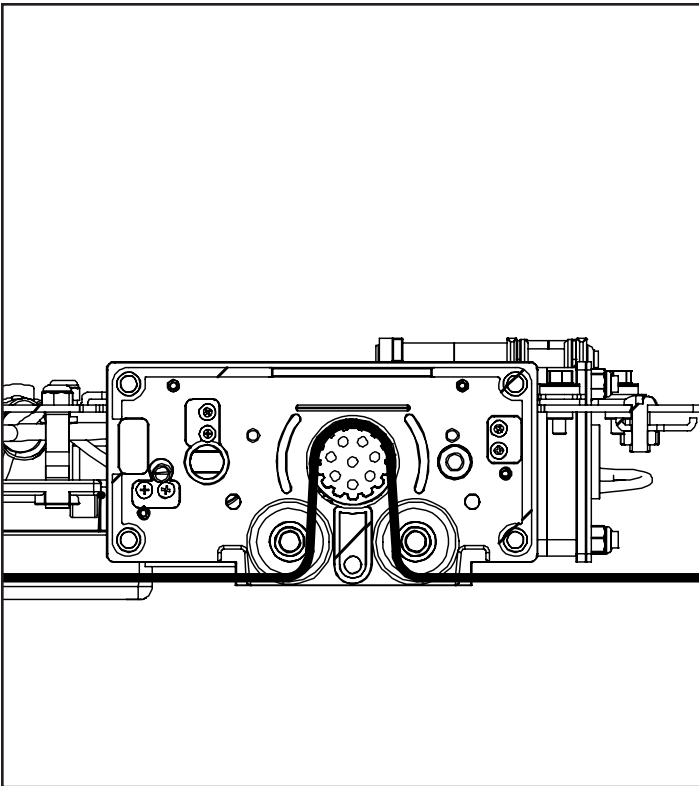


**4-7:** Loop the Long Belt over and feed it back through the gear box and back out the bottom of the Bottom Carriage.

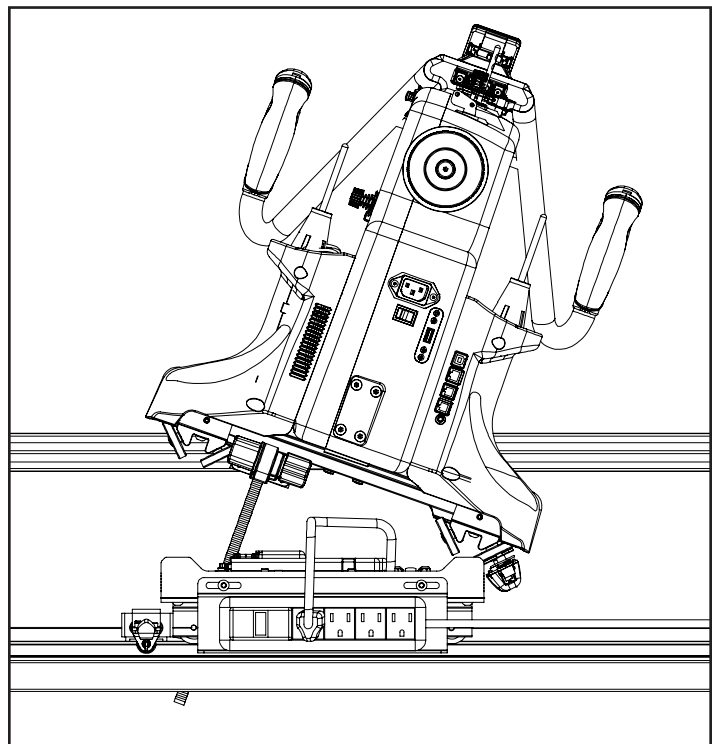


**4-8:** Pull the rest of the Long Belt through the gear box and back out the bottom of the QuiltMotion Motor Plate.

**Note:** Do not insert the belt into the Belt Tensioner Assembly yet.



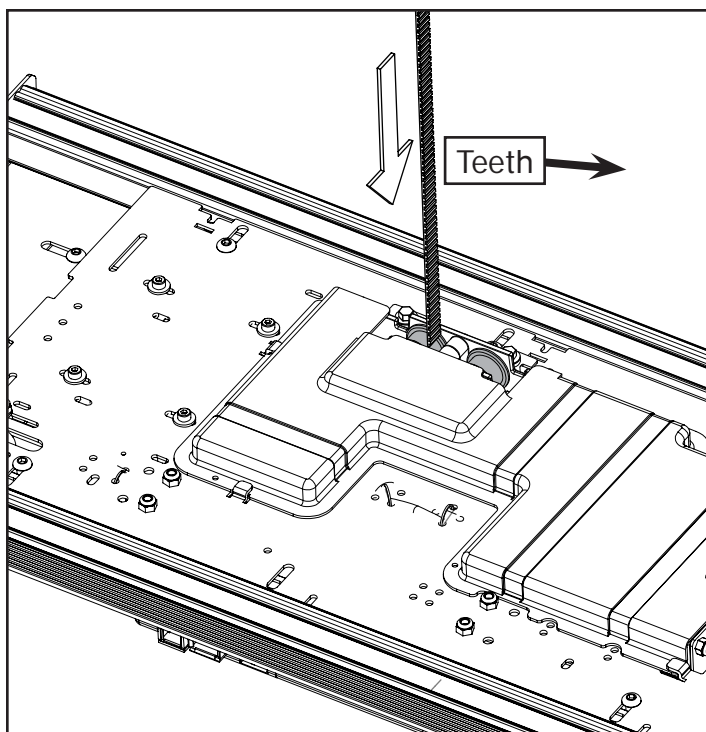
**4-9:** Belt will be routed as shown.



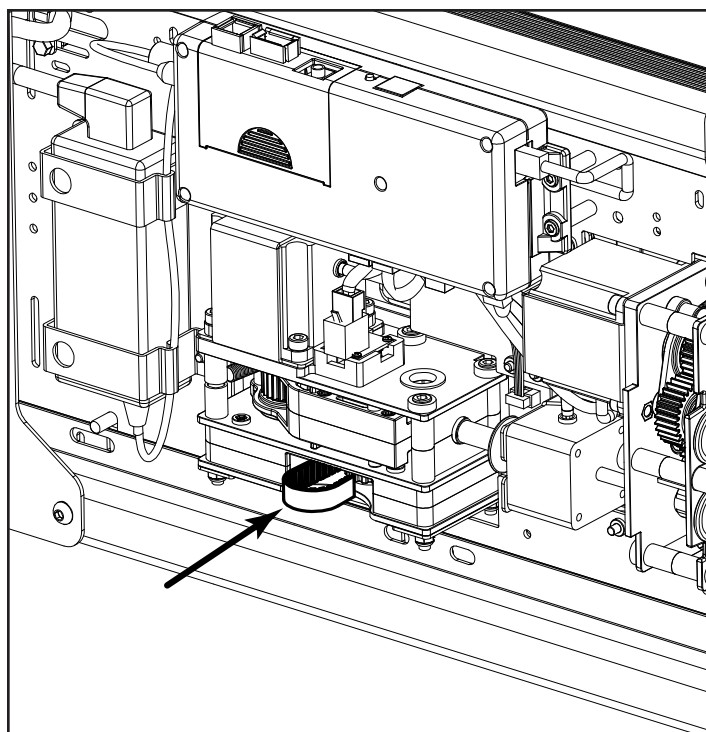
**4-10:** Place Sewing Machine or Top Plate at an angle on the carriage.

**Note:** This step will require 2 people.

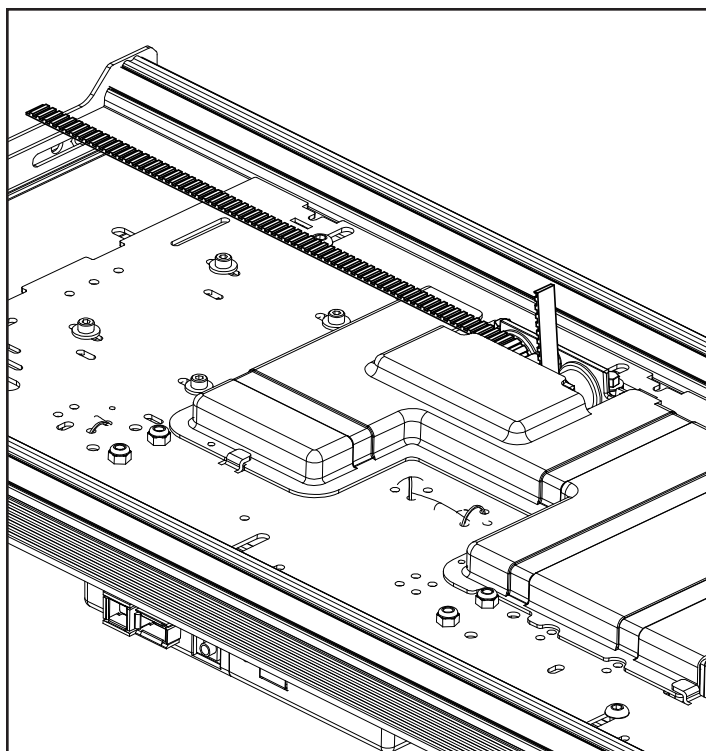




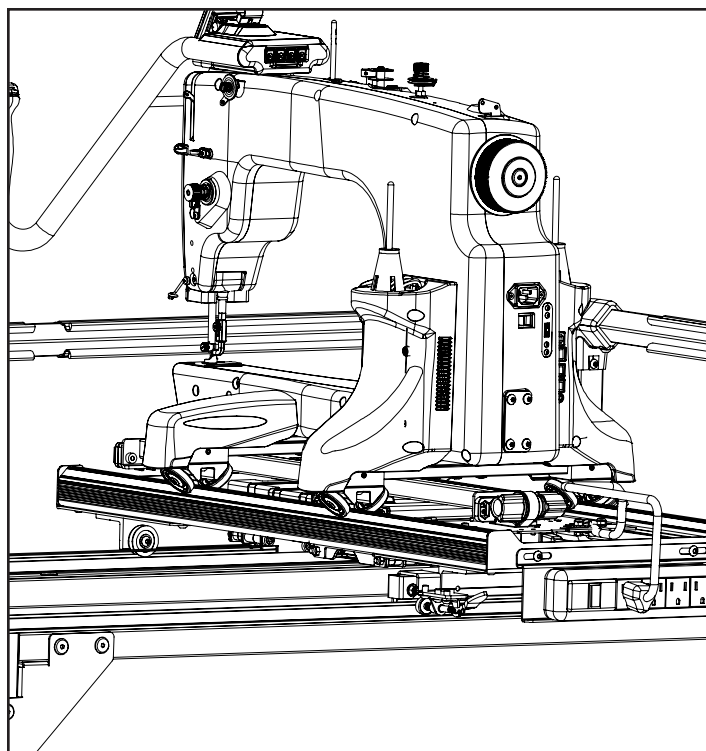
**4-11:** Thread the free end of the Short Belt into the gear box in the QuiltMotion Motor Plate from the top until it comes out the bottom of the carriage.  
**Note:** Keep the belt flat without any twists.



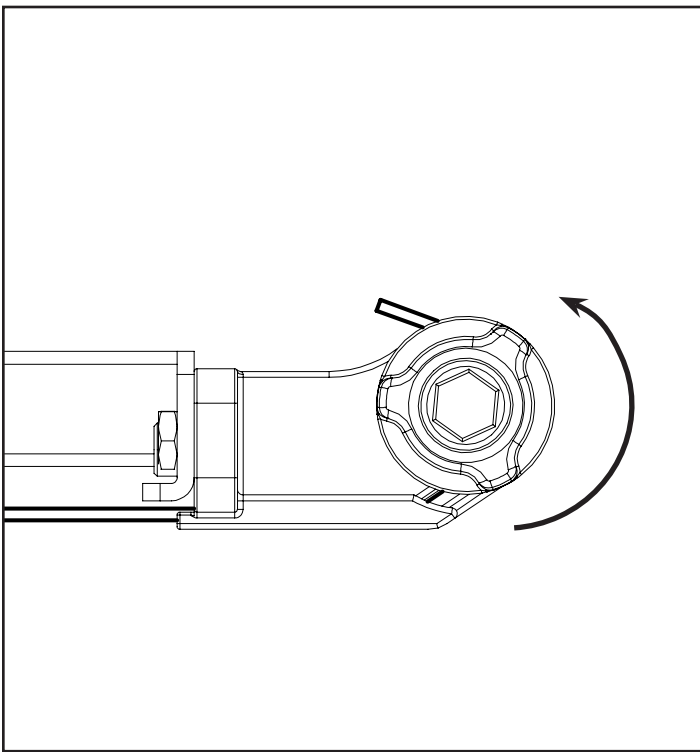
**4-12:** Loop the Short Belt over and feed it back through the gear box and back out the top of the Bottom Carriage.  
**Note:** The belt teeth should be facing towards the gear teeth.



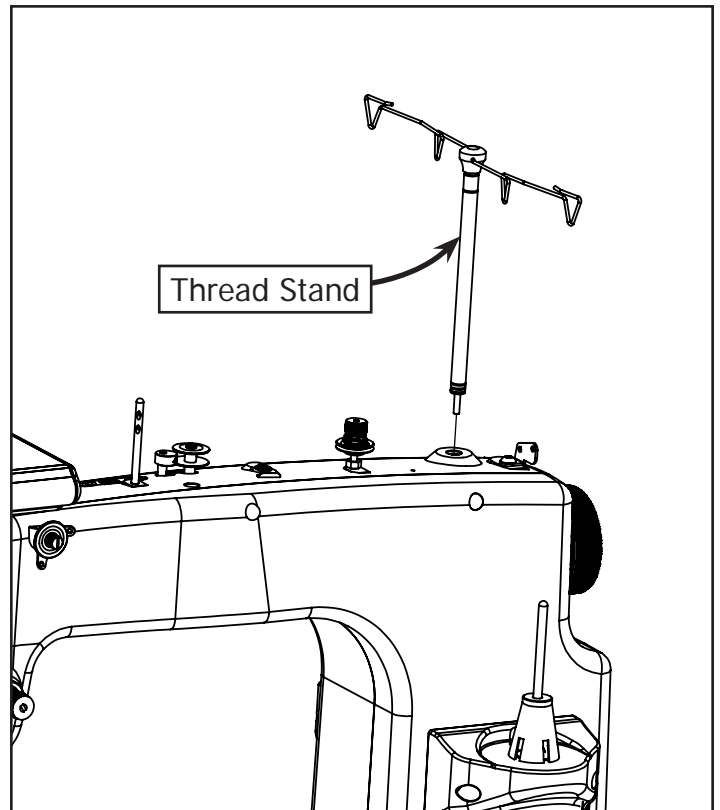
**4-13:** Pull the rest of the Short Belt through the QuiltMotion Motor Plate.



**4-14:** Place the Sewing Machine or Top Plate wheels on the Bottom Carriage and the Bottom Carriage onto the frame track.



**4-15:** Feed the free end of the Short Belt into the Belt Tensioner. Turn the right knob to tighten the belt all the way through the Tensioner. Once the belt is tight rotate the left knob clockwise to lock it in place.

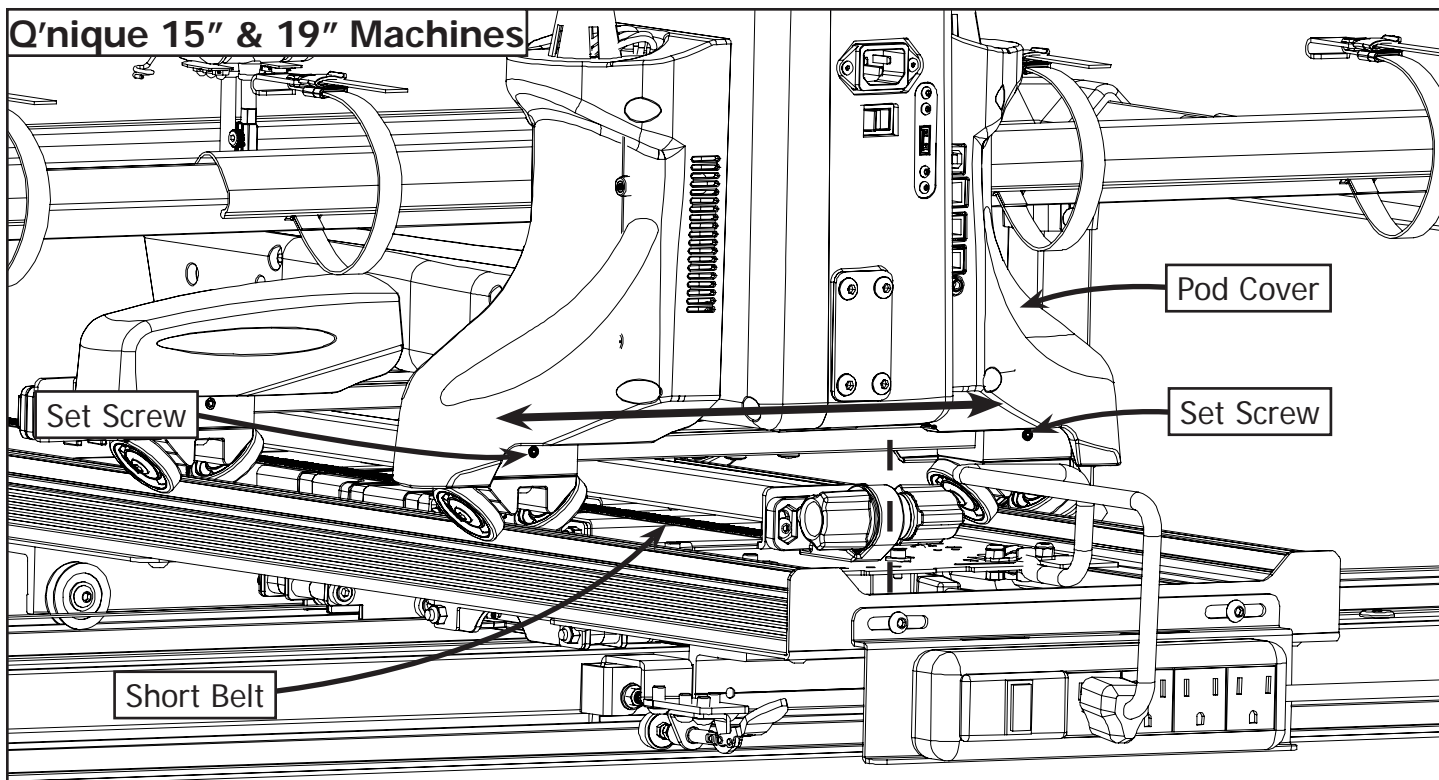


**4-16:** Re-install the Thread Stand onto your machine. See your machine manual for instructions.

## Step 5 – Aligning the Belts

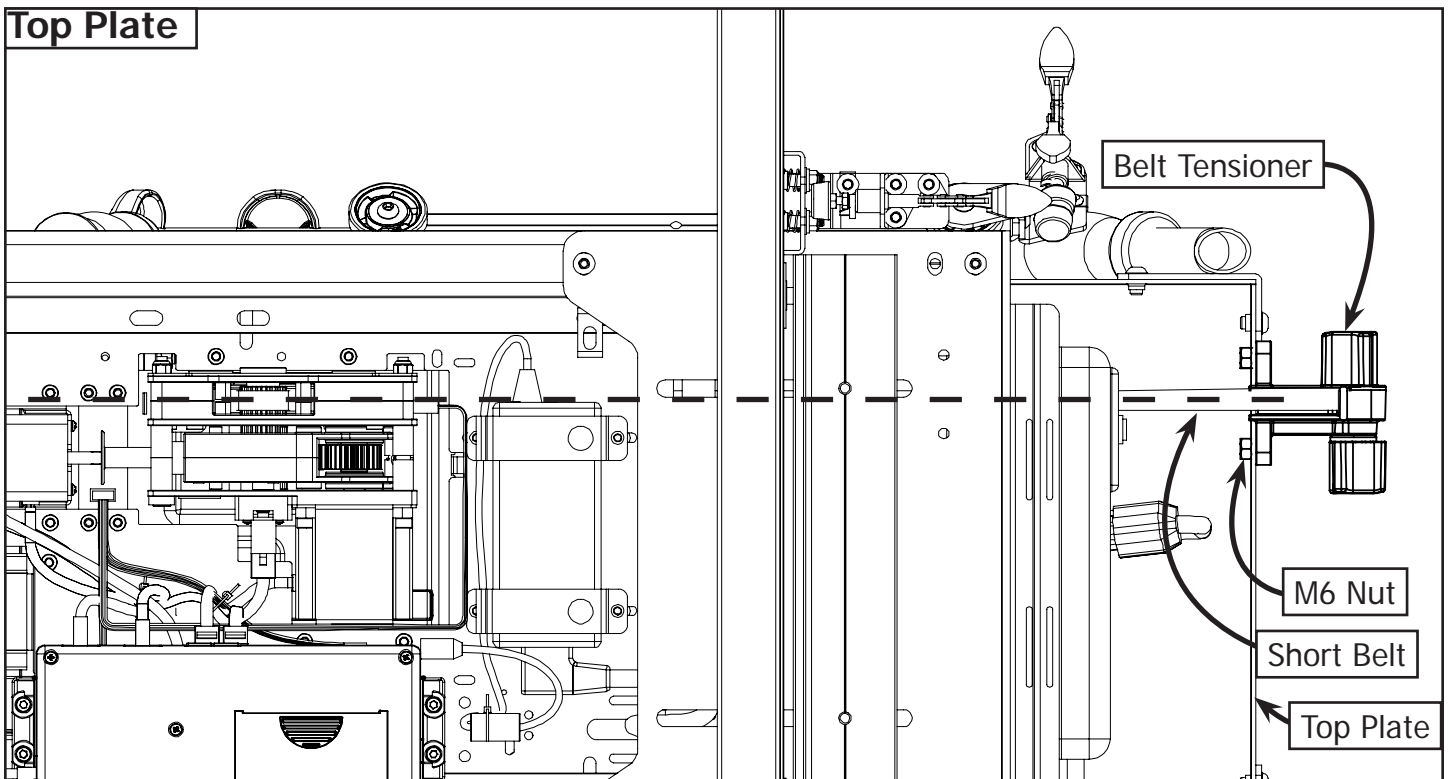
Tools Needed:

3mm Allen Wrench

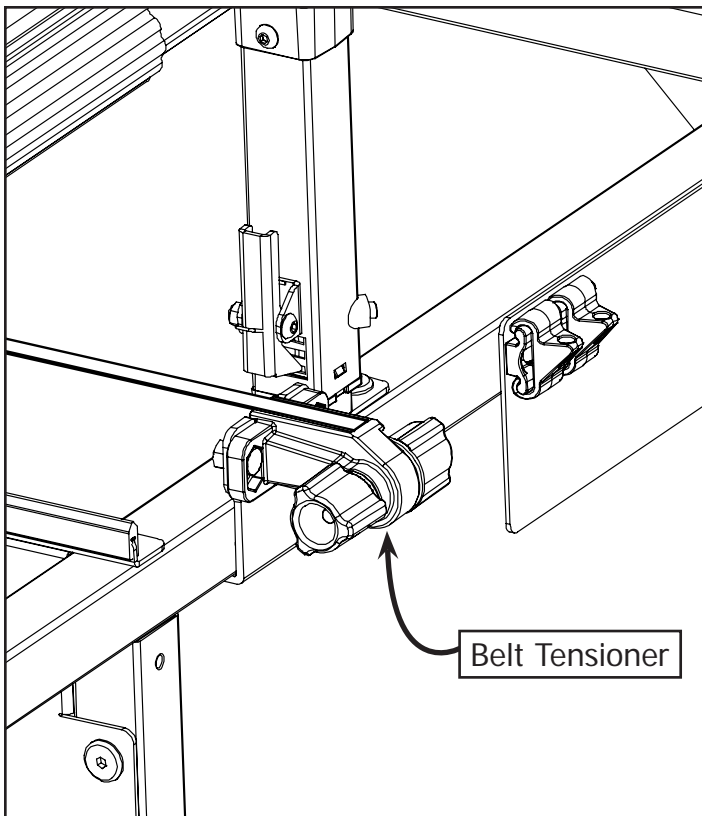


**5-1a:** Check the alignment of the belt attached to the Top Belt Bracket. If it is bowed to one side loosen the set screws on the front and back wheels, and shift the machine until the belt is straight. Re-tighten the set screws and re-install the Pod Covers if they were removed.

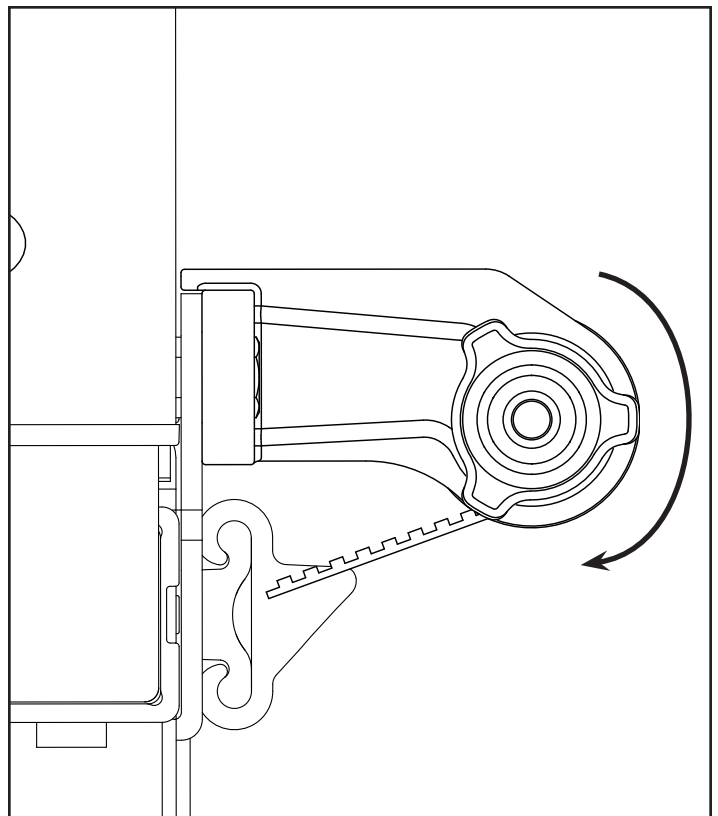
**Note:** It may be necessary to remove the Pod Covers on the 19" Machine.



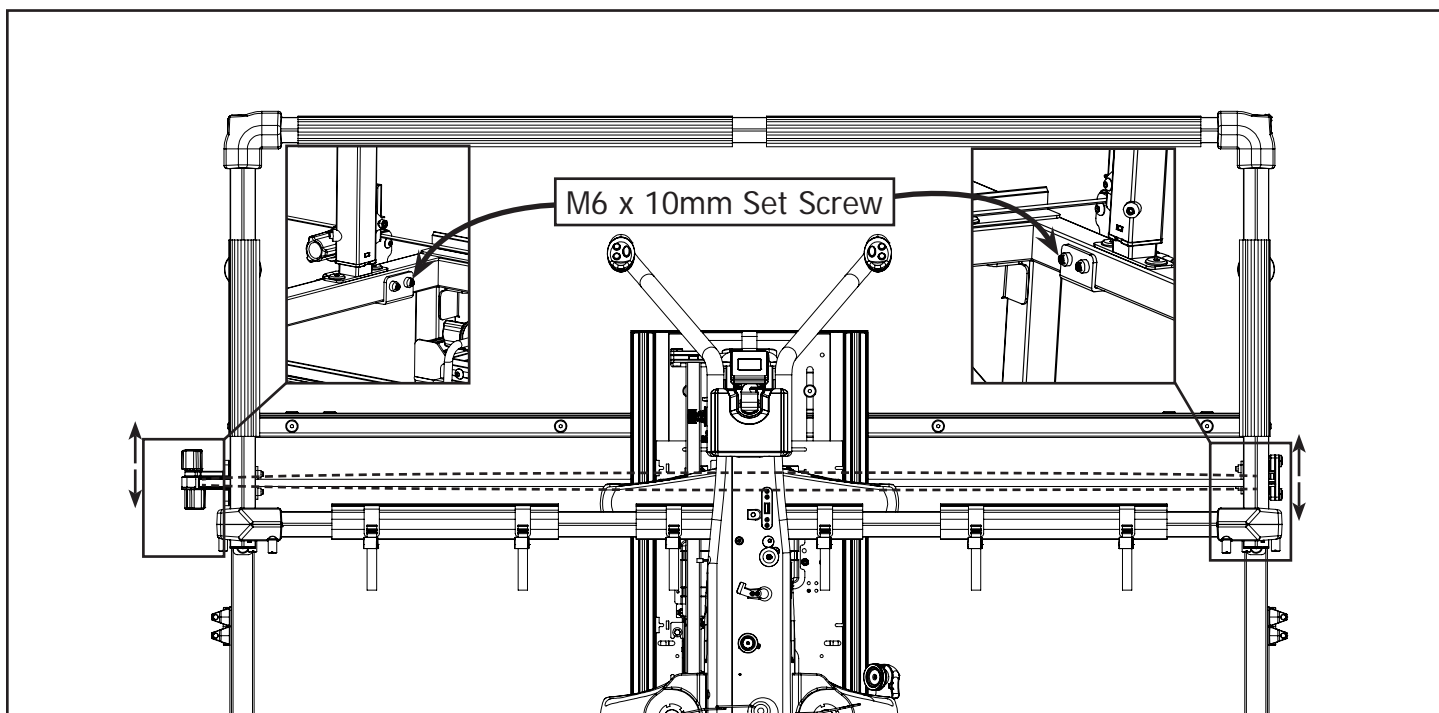
**5-1b:** Check the alignment of the belt attached to the Top Plate. If it is bowed to one side move the Top Plate as far back as possible. Loosen the (2) M6 Nuts on the Belt Tensioner and adjust until the Short Belt is aligned with the Motor Plate.



**5-2:** Insert the free end of the Long Belt into the Belt Tensioner Assembly.

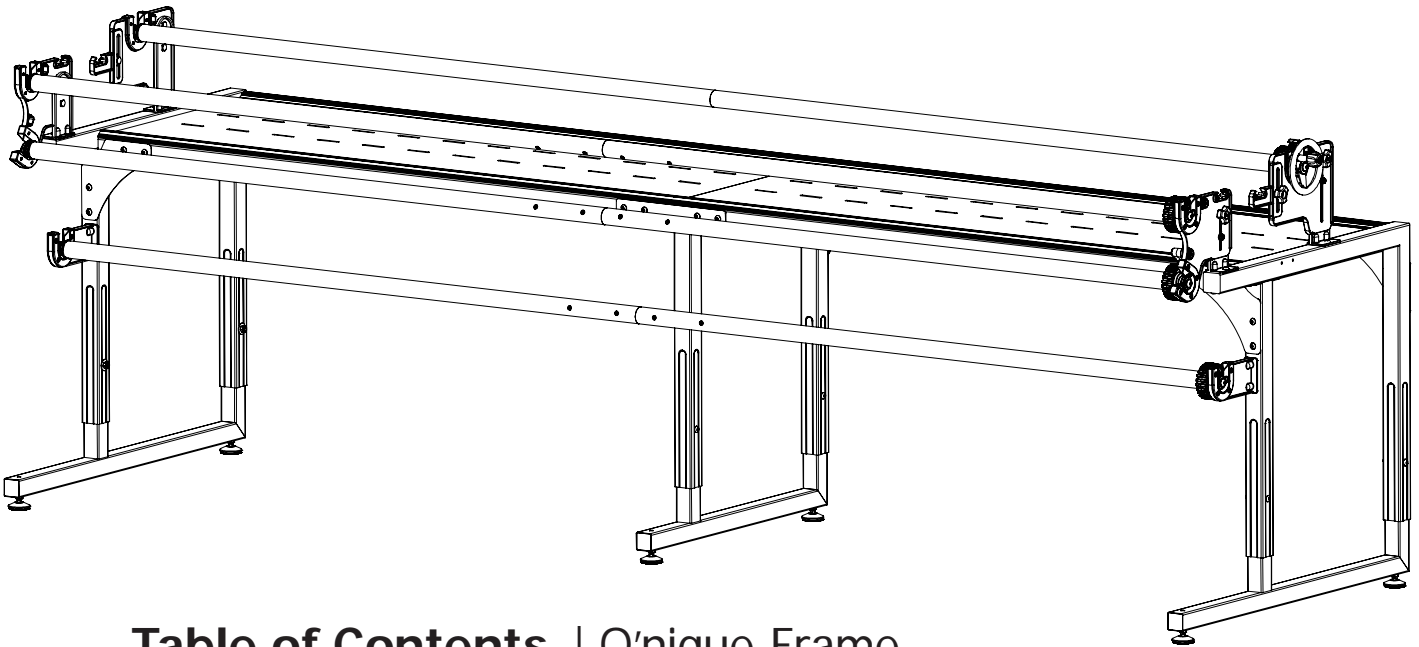


**5-3:** Twist the right Belt Tensioner knob to tighten the belt. Once the belt is tight rotate the left knob clockwise to lock it into place.



**5-4:** Loosen the M6 x 10mm Set Screws from Step 4-1 and Step 4-3. Adjust the Belt Tensioner Assembly and the Belt Clamp Assembly to make sure there is no bow in the Long Belt. Once the Long Belt is straight tighten the M6 x 10mm Set Screws on the Belt Tensioner Assembly and the Belt Clamp Assembly. **Note:** It may be required to adjust the carriage forward to allow for proper belt alignment.

**\*See Your QCT and Wiring Instructions Booklet\***



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### Top Belt Bracket

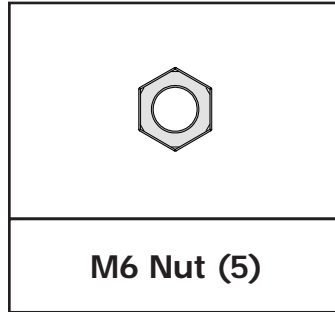
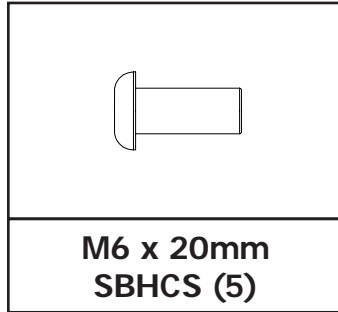
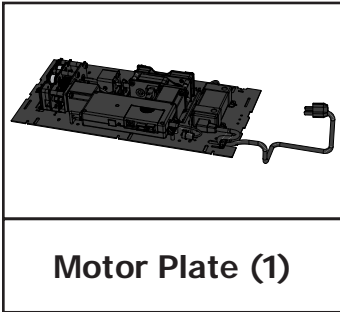
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### Q'nique Frame

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Step 5: Aligning the Belts .....	page 67

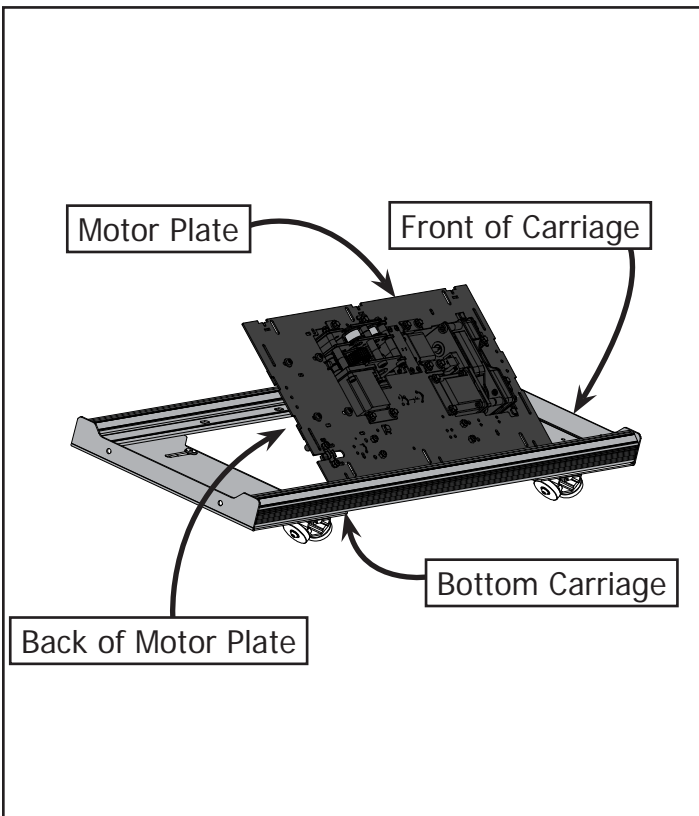
## Step 1 – Motor Plate Installation

Parts Needed:

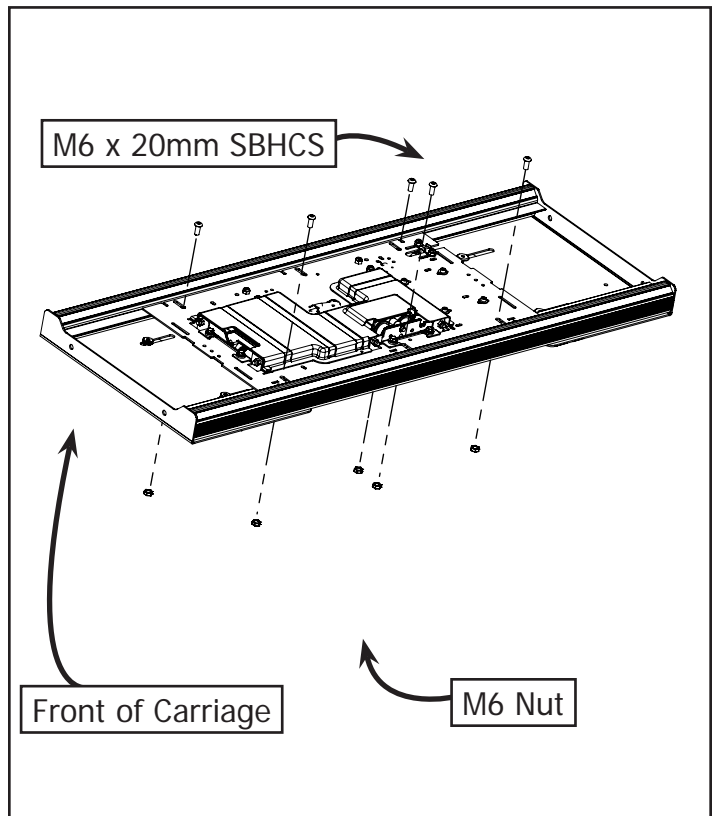


Tools Needed:

4mm Allen Wrench  
10mm & 13mm Box End Wrench



**1-1:** Insert the Motor Plate into the Bottom Carriage at an angle.

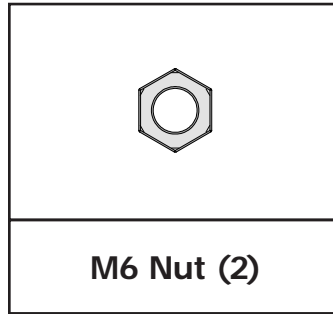
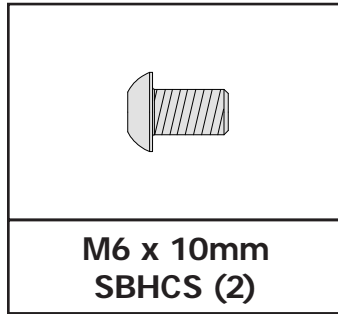
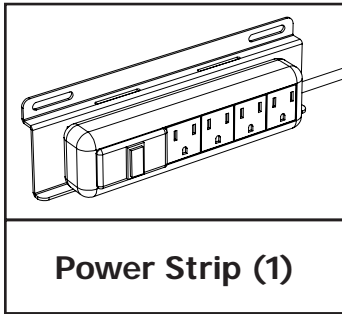


**1-2:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS and (5) M6 Nuts through the slots in the Bottom Carriage.



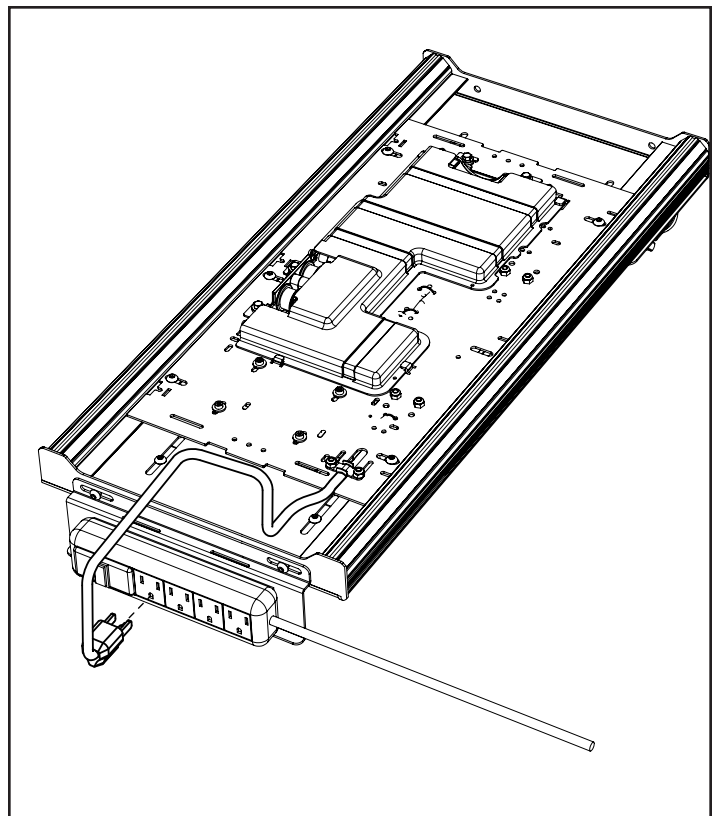
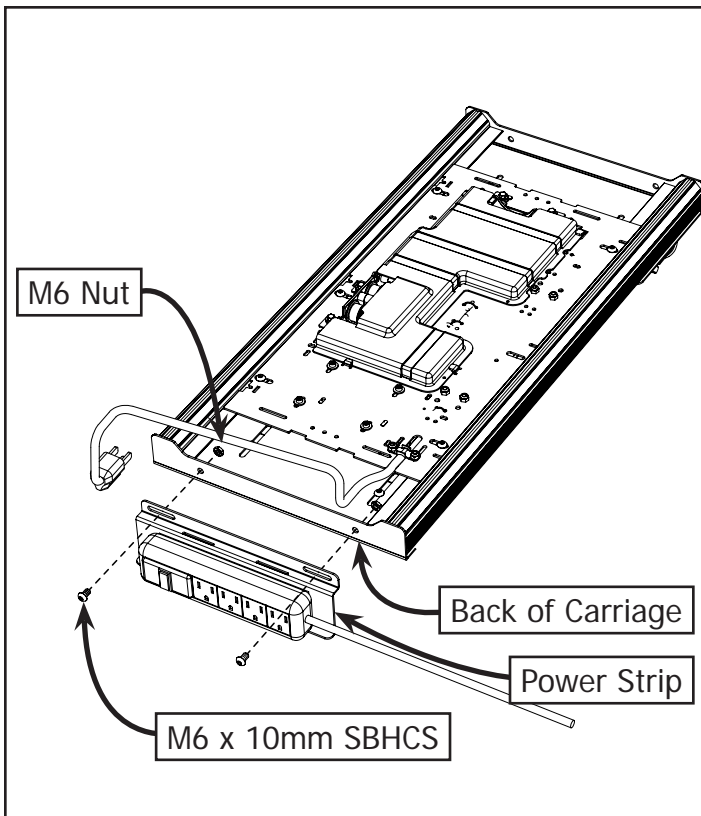
## Step 2 - Power Strip Installation

Parts Needed:



Tools Needed:

4mm Allen Wrench  
10mm & 13mm Box End Wrench

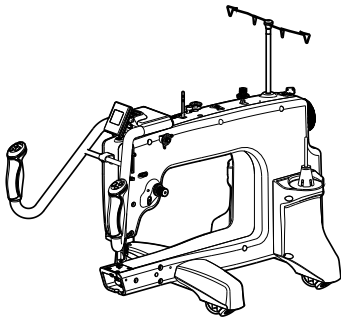


**2-1:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.

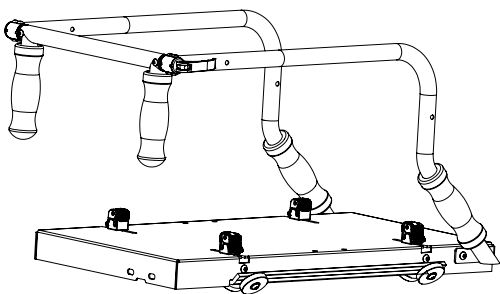
**2-2:** Plug the Motor Plate into the Power Strip.

### Step 3 – Choose your Machine or Top Plate.

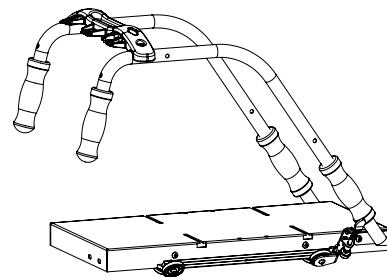
Proceed to the page number associated with your Machine or Top Plate.



**Q'nique 15**  
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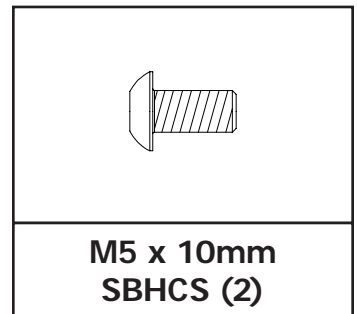
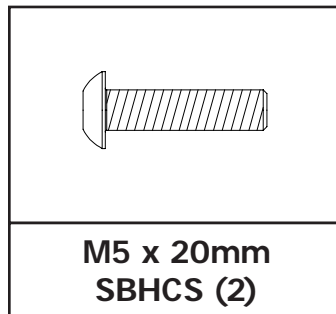
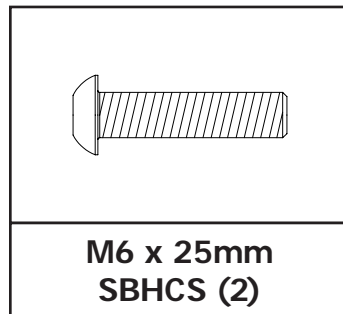
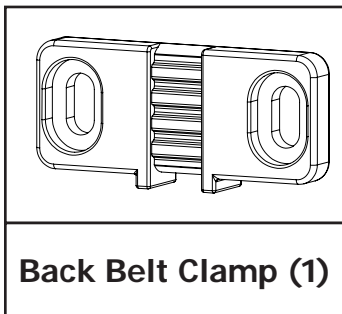
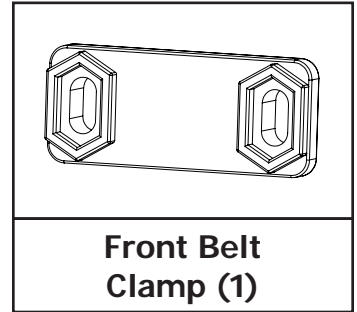
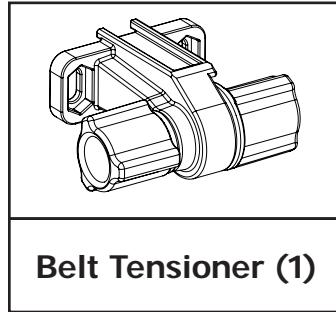
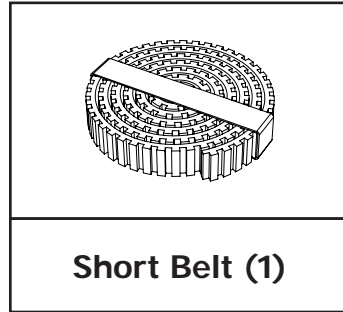
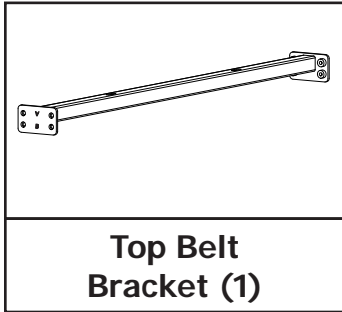
**G-Series 2 Top Plate**  
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**G-Series Top Plate**  
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## Step 3a – Short Belt Installation - Q'nique 15"

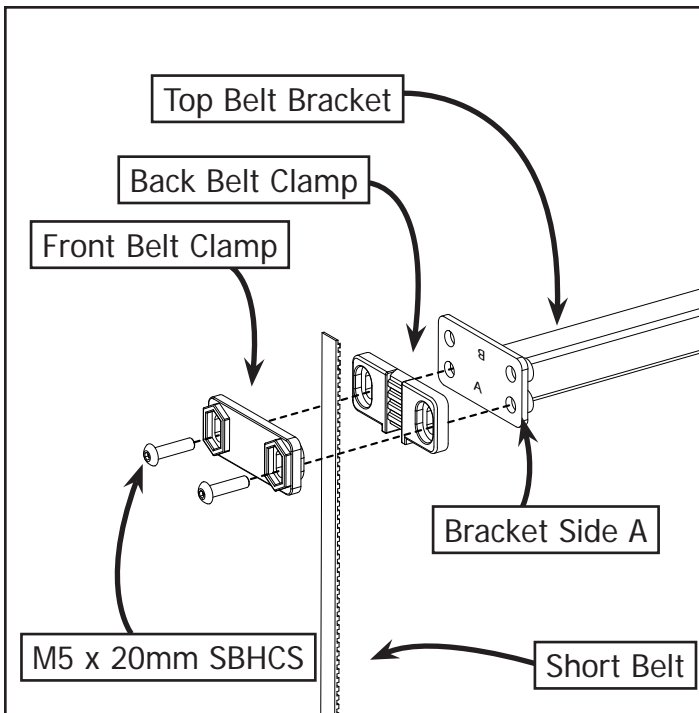
Parts Needed:



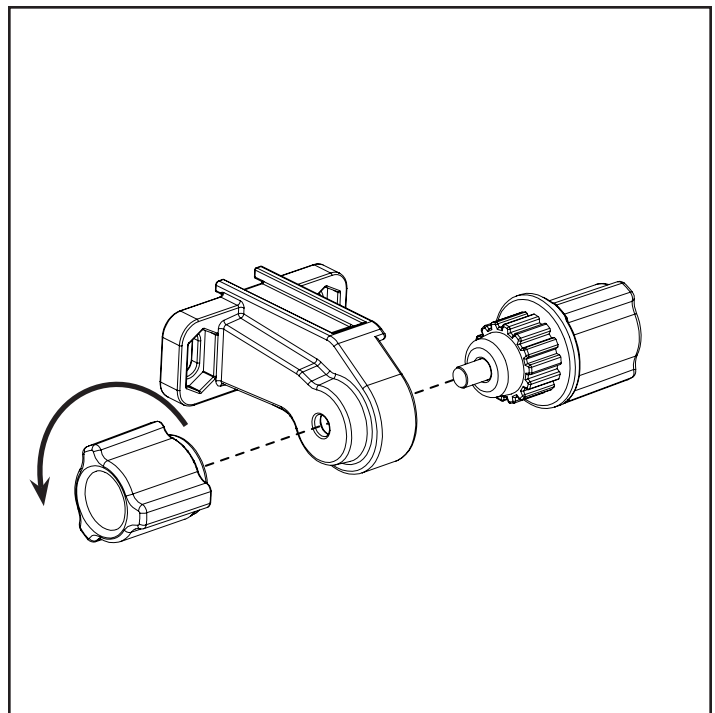
Tools Needed:

3mm Allen Wrench

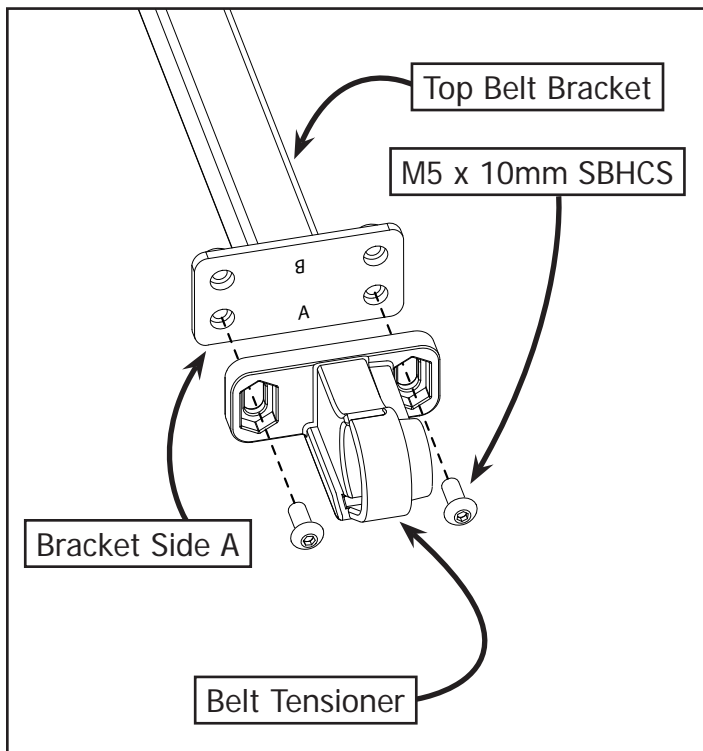
4mm Allen Wrench



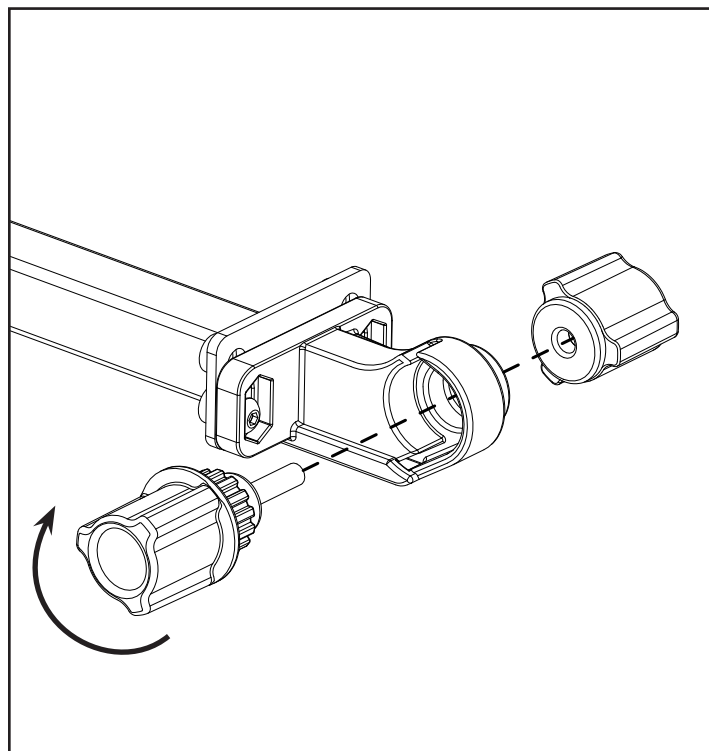
**3-1a:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side A.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.



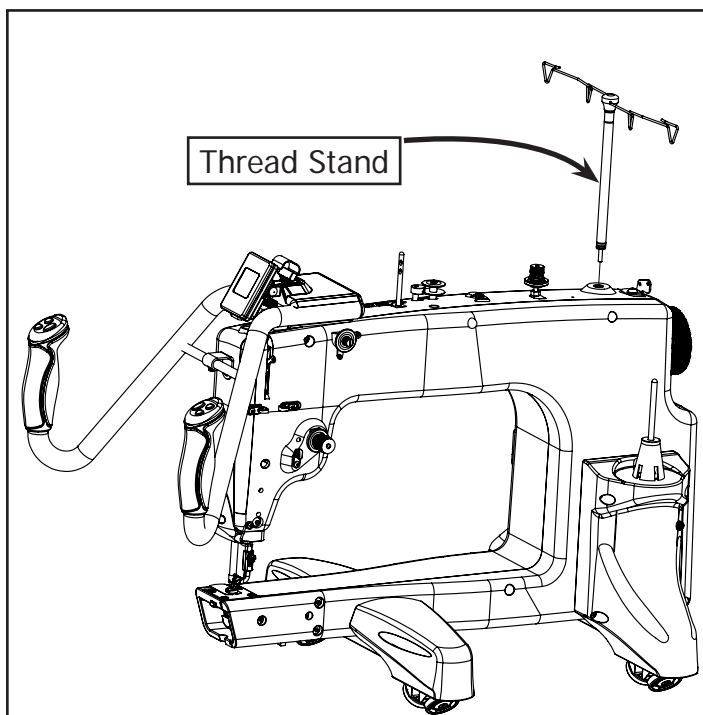
**3-2a:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



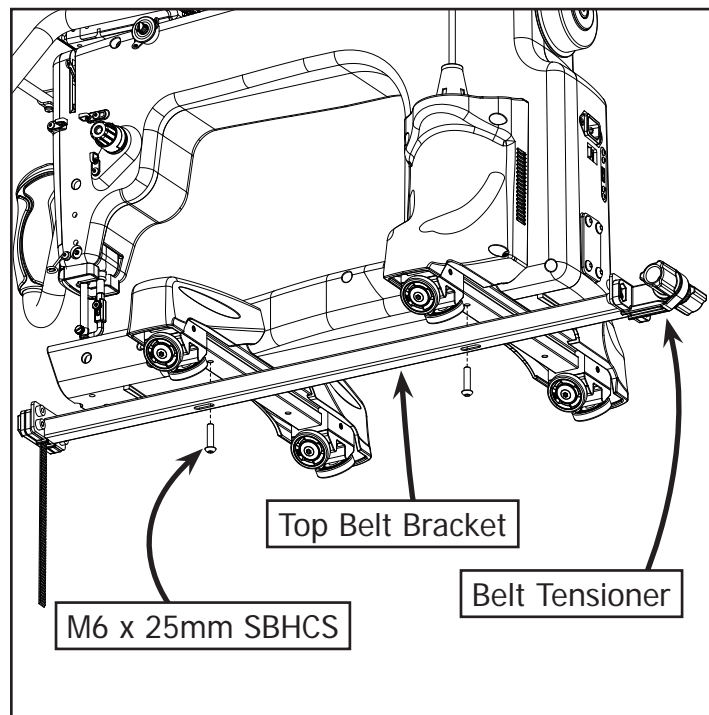
**3-3a:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side A using (2) M5 x 10mm SBHCS.



**3-4a:** Re-Install the Belt Tensioner Knobs.



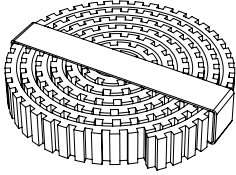
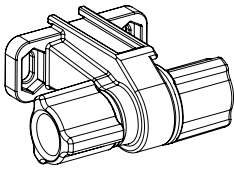
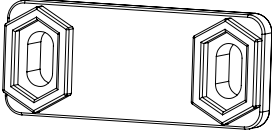
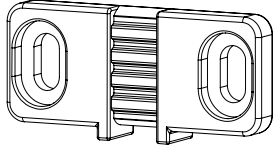
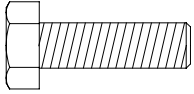
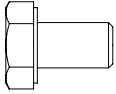

**3-5a:** Remove the Thread Stand from your machine. See your machine manual for instructions.



**3-6a:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.

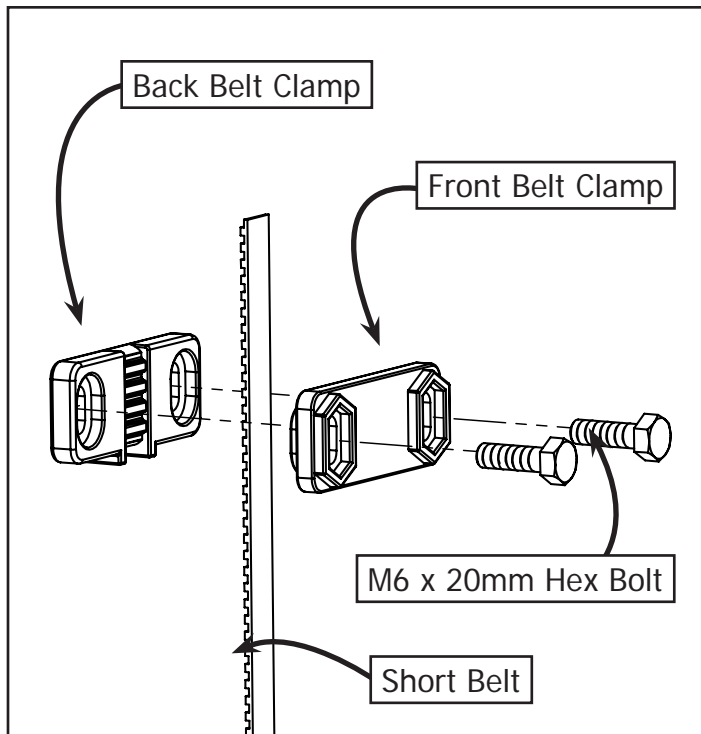
## Step 3b – Short Belt Installation - Top Plate

Parts Needed:

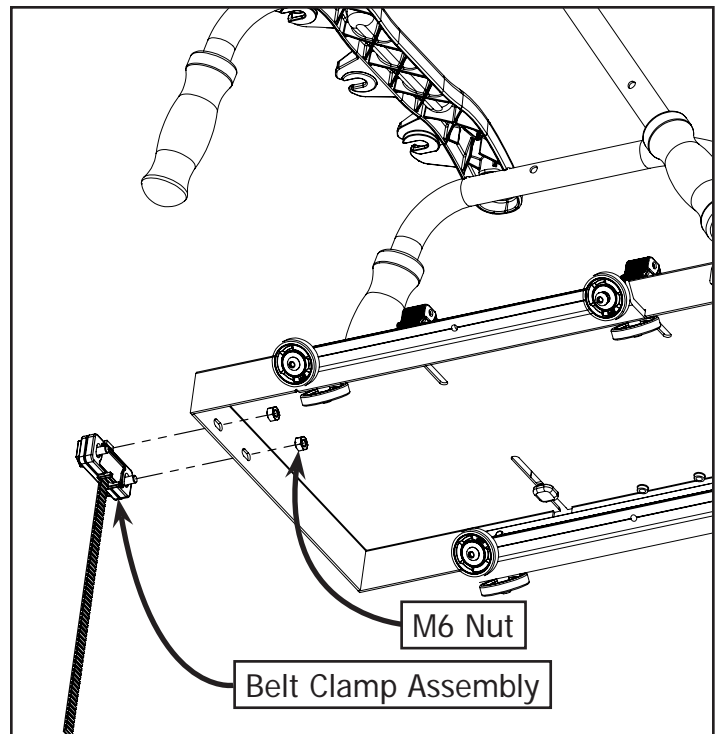
			
<p><b>Short Belt (1)</b></p>	<p><b>Belt Tensioner (1)</b></p>	<p><b>Front Belt Clamp (1)</b></p>	<p><b>Back Belt Clamp (1)</b></p>
			
<p><b>M6 x 20mm Hex Bolt (2)</b></p>	<p><b>M6 x 10mm Hex Bolt (2)</b></p>	<p><b>M6 Nut (4)</b></p>	

Tools Needed:

10mm & 13mm Open End Wrench

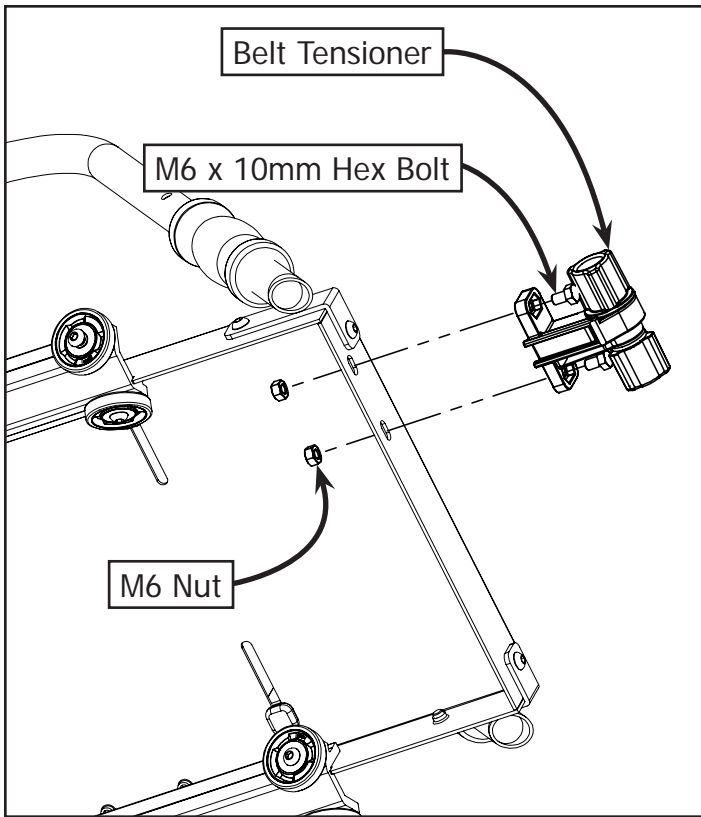


**3-1b:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and place (2) M6 x 20mm Hex Bolts through the Belt Clamp.



**3-2b:** Assemble the completed assembly (from Step 3-1b) to the front end of the Top Plate using (2) M6 Nuts.

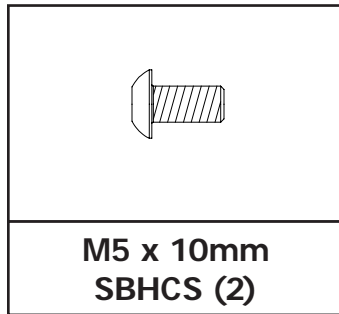
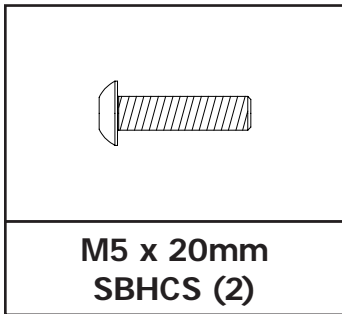
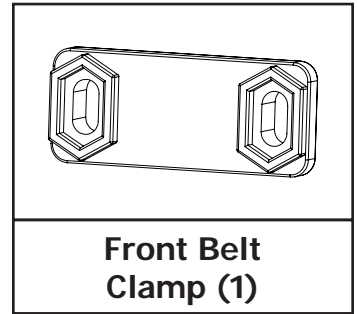
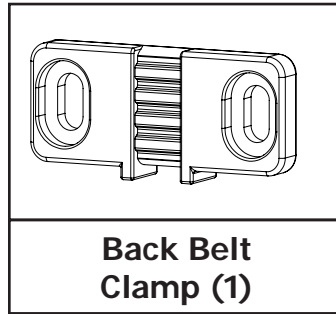
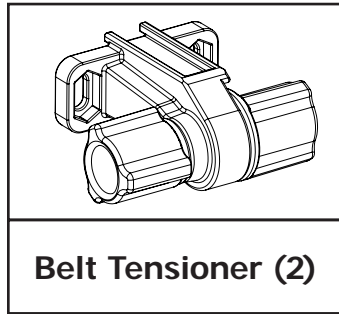
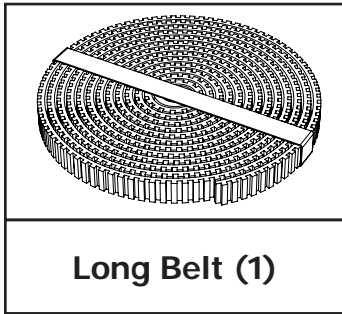
**Note:** The teeth of the belt should be facing towards the Top Plate.



**3-3b:** Assemble the Belt Tensioner onto the opposite end of the Top Plate using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.

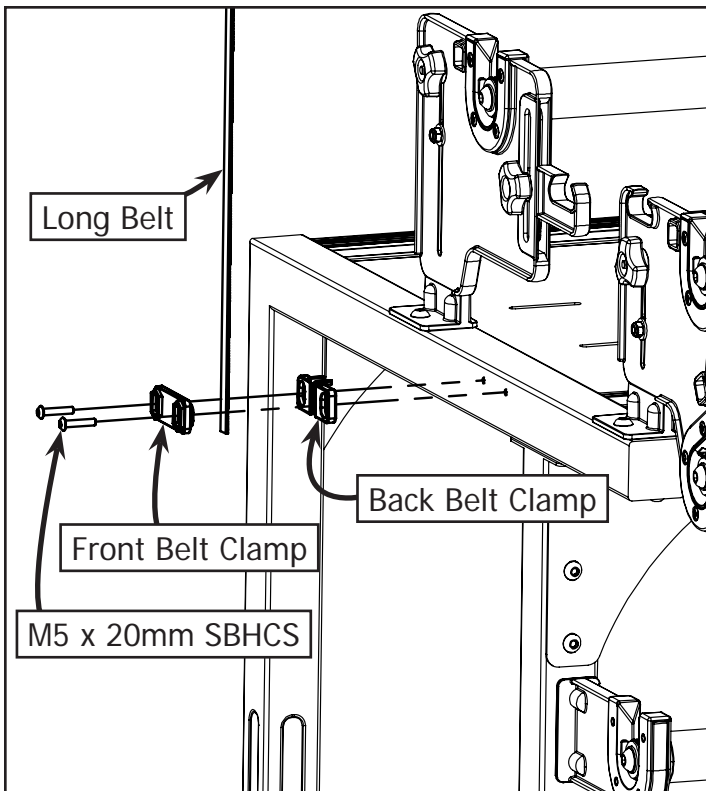
## Step 4 - Long Belt Installation

Parts Needed:

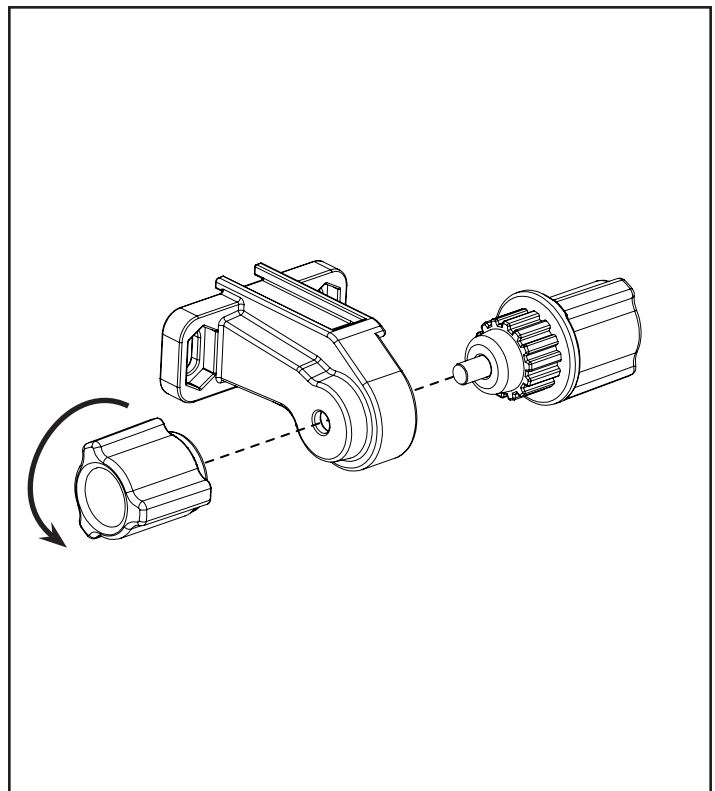


Tools Needed:

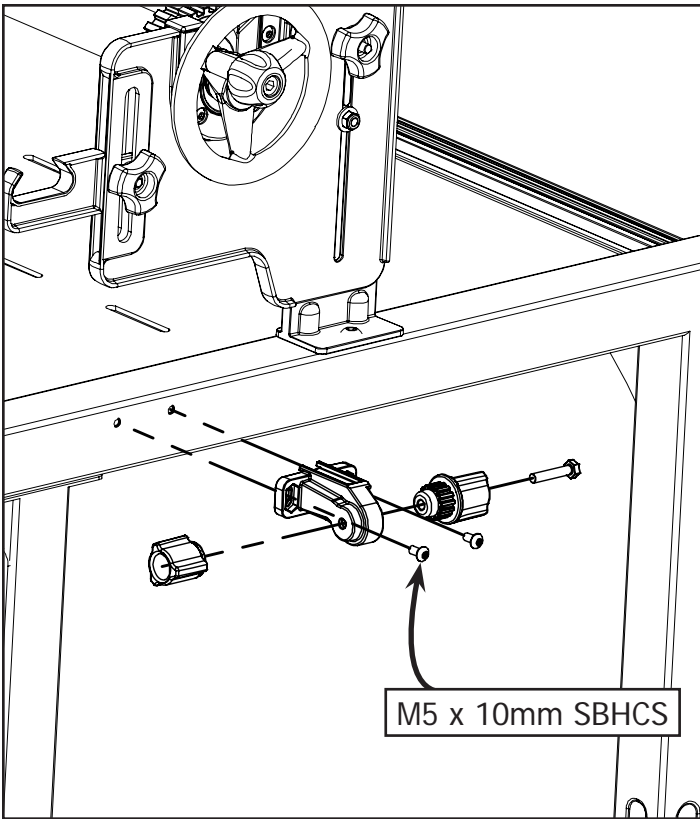
3mm Allen Wrench



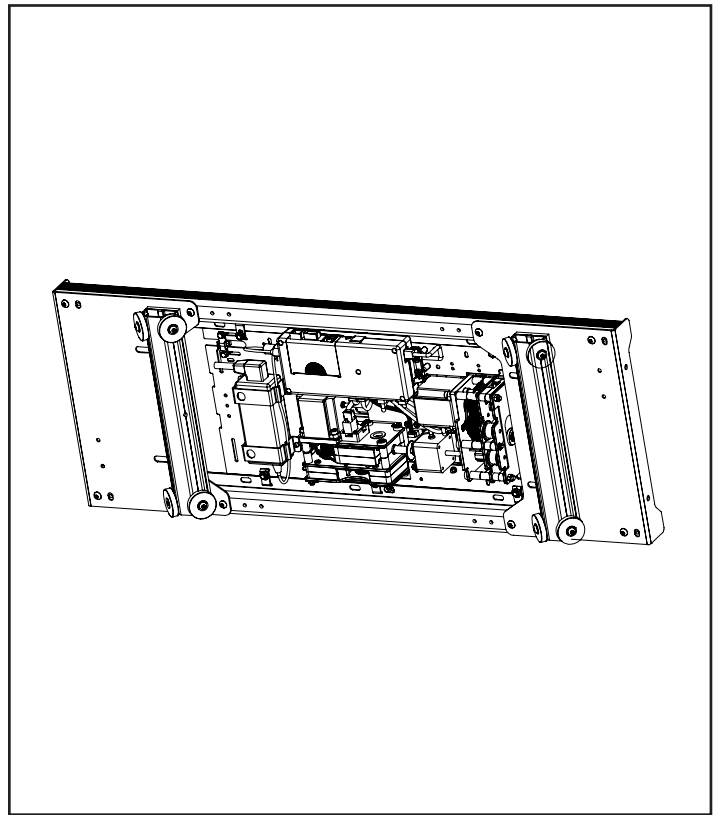
**4-1:** Place the most curly end of the Long Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach to the left side of the frame using (2) M5 x 20mm SBHCS.



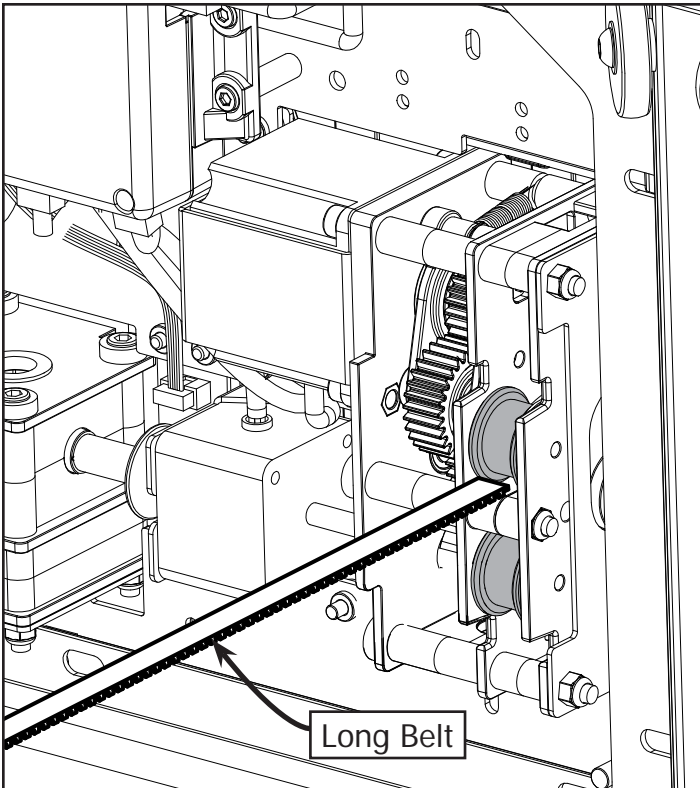
**4-2:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



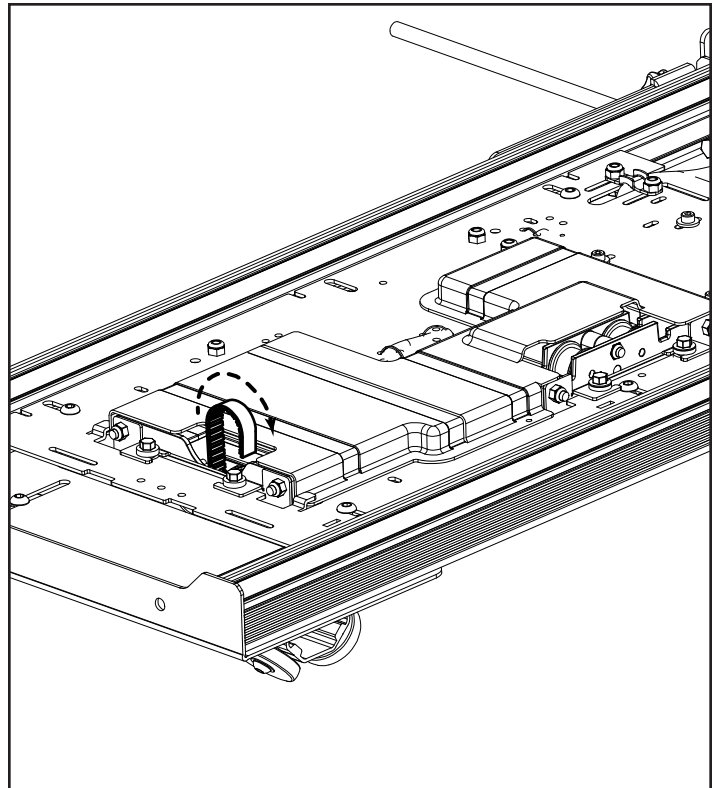
**4-3:** Assemble the Belt Tensioner to the Right Frame Side using (2) M5 x 10mm SBHCS. Re-install the tensioner knobs.



**4-4:** Tilt the Bottom Carriage onto its side.

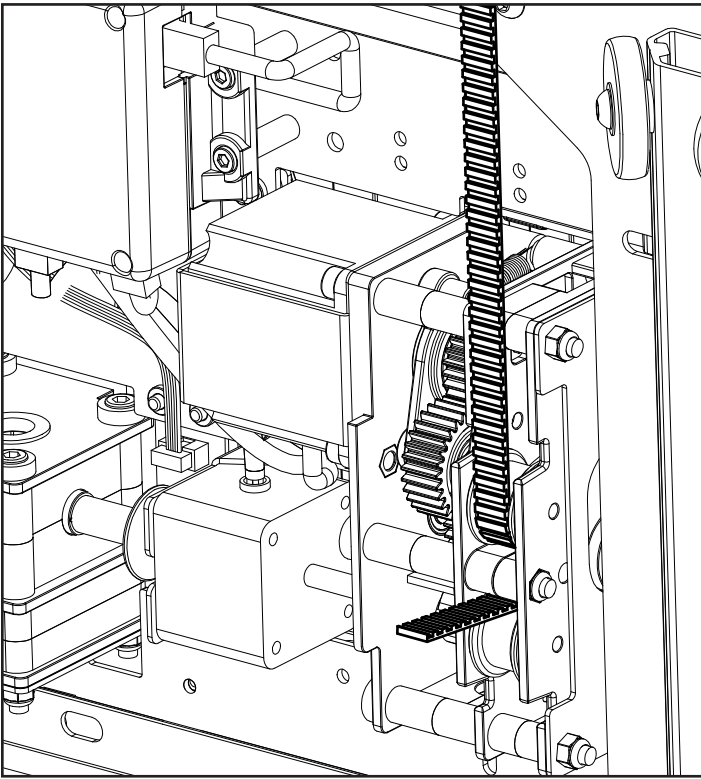


**4-5:** Keep the Long Belt flat and thread the Long Belt into the gearbox in the QuiltMotion Motor Plate from the bottom until it comes out the top of the Bottom Carriage.



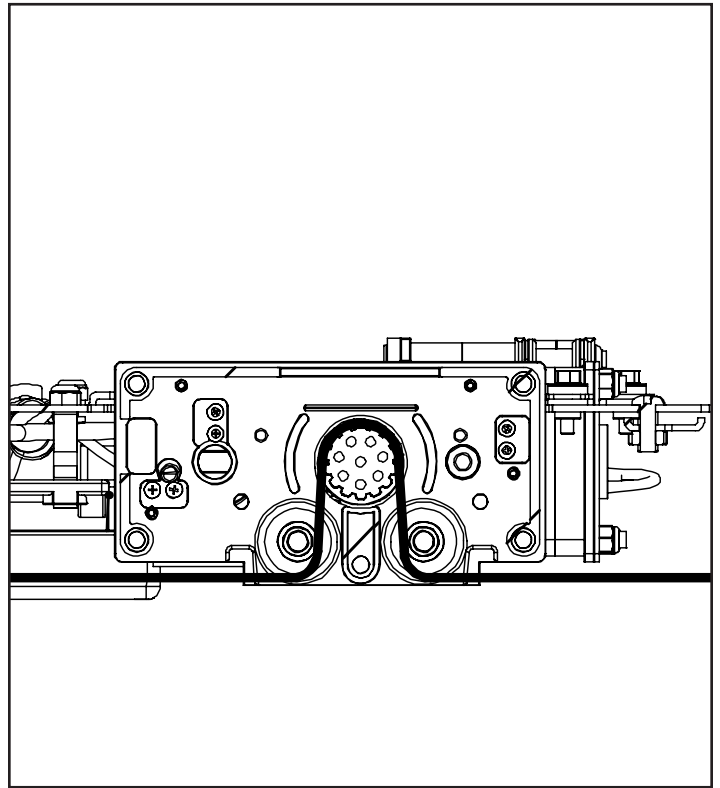
**4-6:** Loop the Long Belt over and feed it back through the gear box and back out the bottom of the Bottom Carriage.



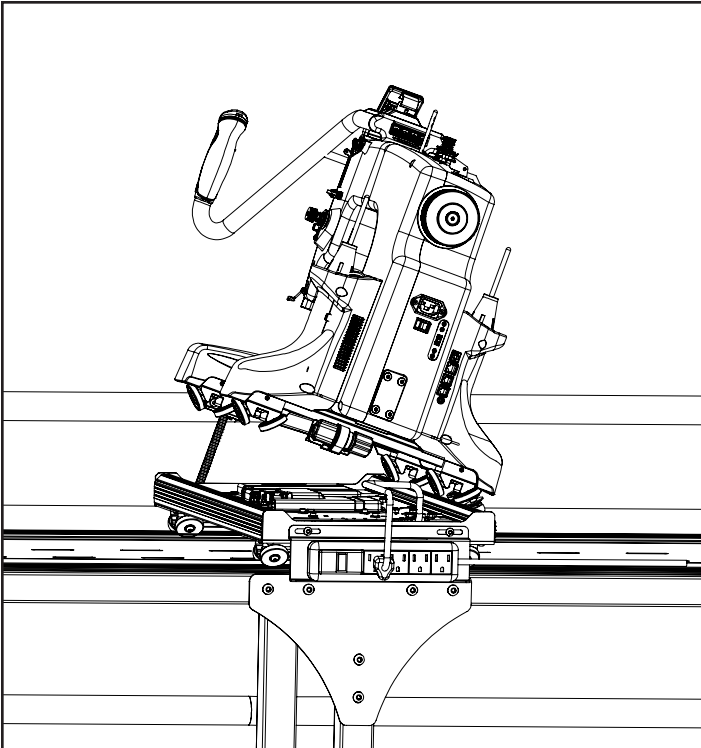


**4-7:** Pull the rest of the Long Belt through the QuiltMotion Motor Plate.

**Note:** Do not insert the belt into the Belt Tensioner Assembly yet.

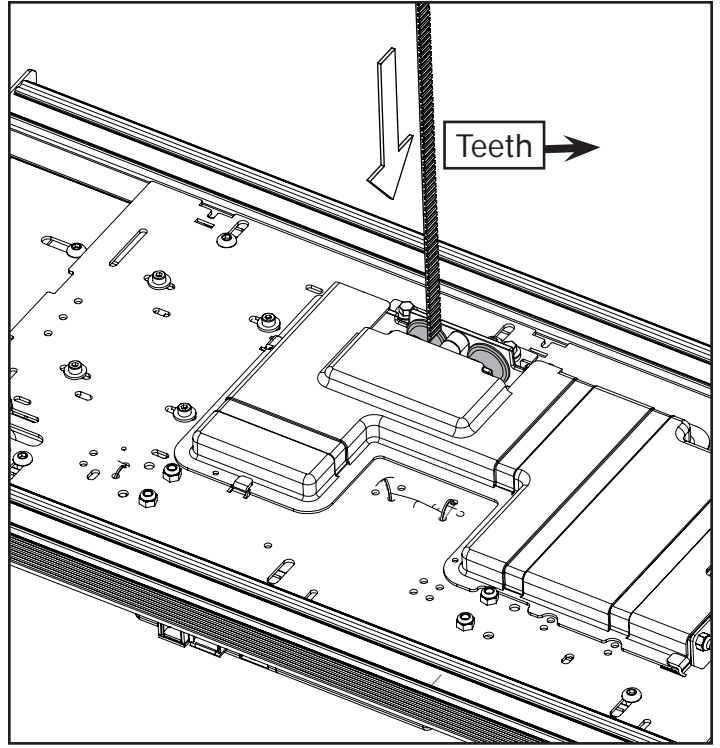


**4-8:** Belt will be routed as shown.



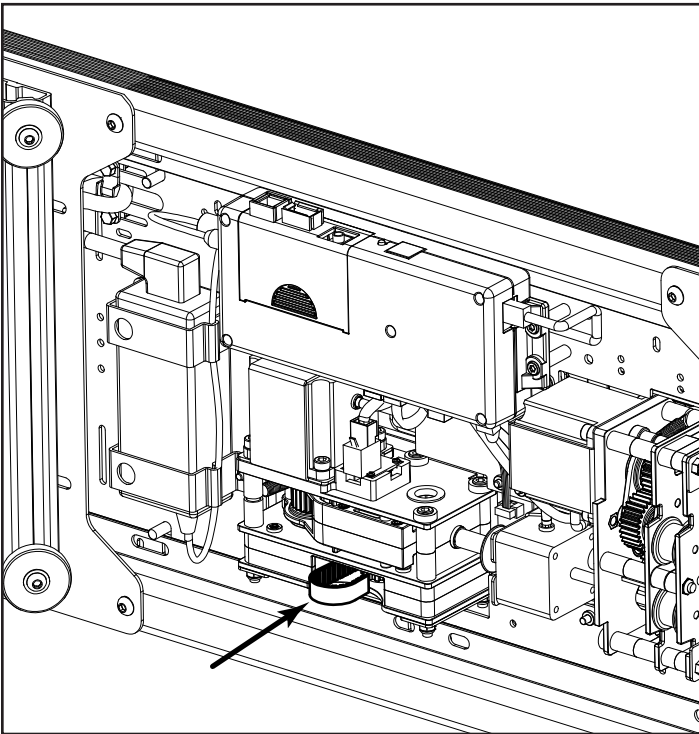
**4-9:** Place Sewing Machine or Top Plate at an angle on the carriage.

**Note:** This step will require 2 people.



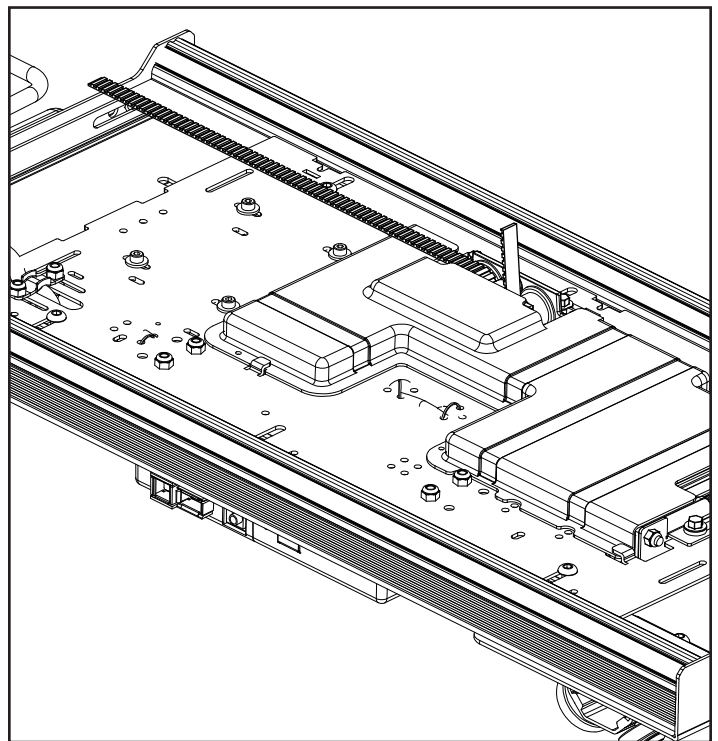
**4-10:** Thread the free end of the Short Belt into the gear box in the QuiltMotion Motor Plate from the top until it comes out the bottom of the carriage.

**Note:** Keep the belt flat without any twists.

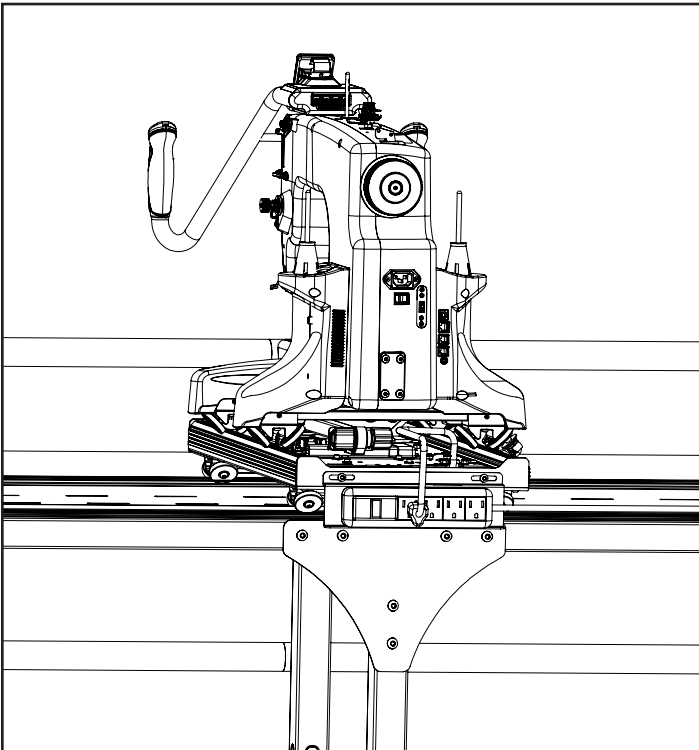


**4-11:** Loop the Short Belt over and feed it back through the gear box and back out the top of the Bottom Carriage.

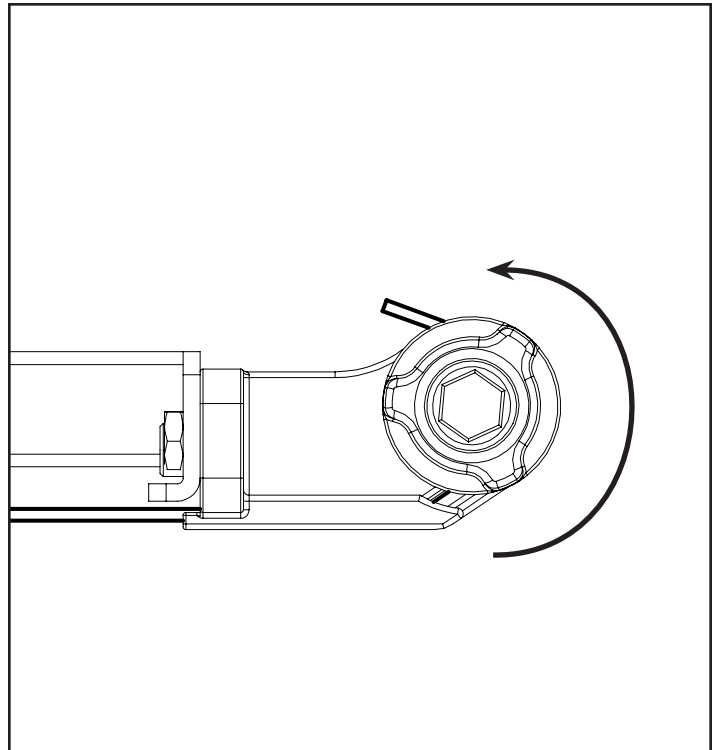
**Note:** The belt teeth should be facing towards the gear teeth.



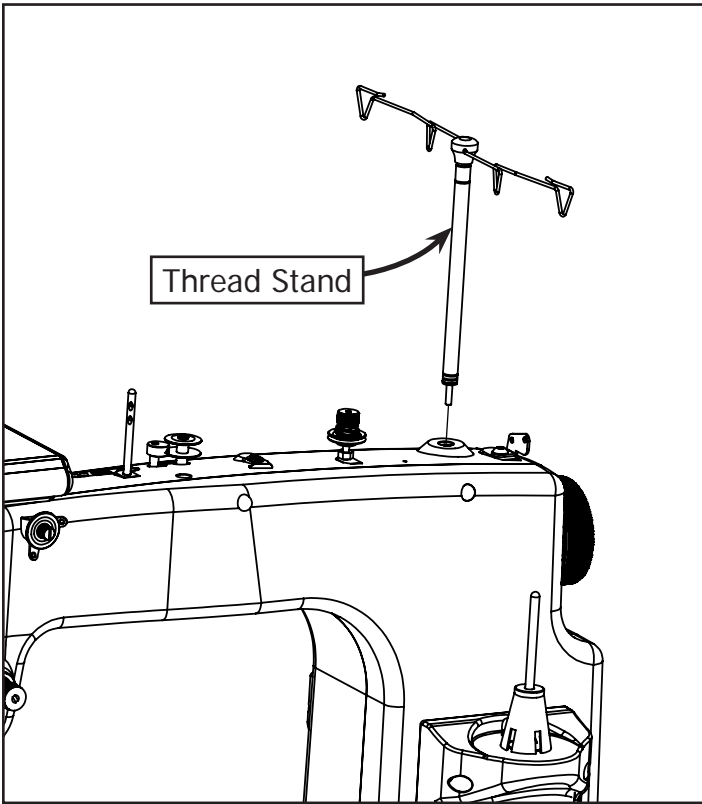
**4-12:** Pull the rest of the Short Belt through the QuiltMotion Motor Plate.



**4-13:** Place the Sewing Machine or Top Plate wheels on the Bottom Carriage and the Bottom Carriage onto the frame track.



**4-14:** Feed the free end of the Short Belt into the Belt Tensioner. Turn the right knob to tighten the belt all the way through the Tensioner. Once the belt is tight rotate the left knob clockwise to lock it in place. Repeat for the Long Belt.

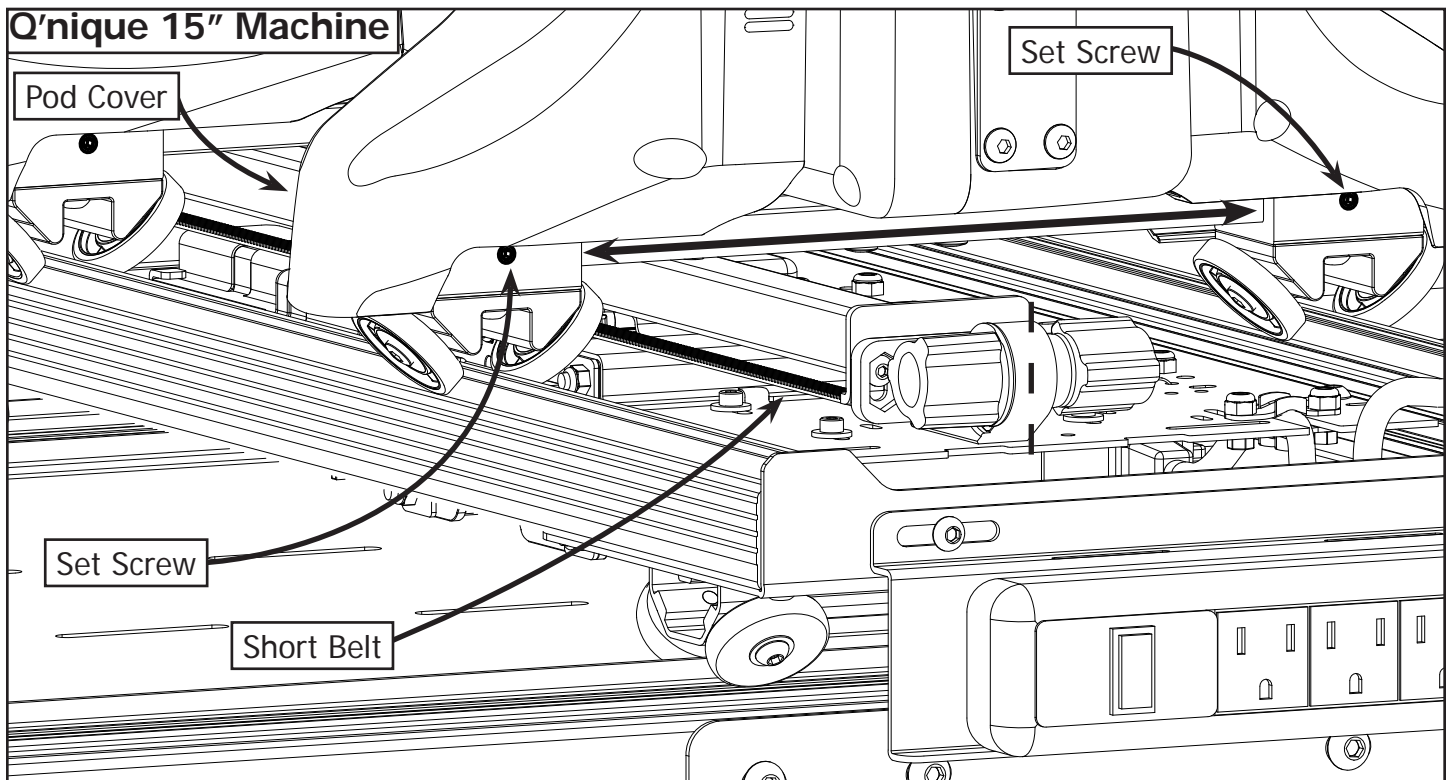


**4-15:** Re-install the Thread Stand onto your machine. See your machine manual for instructions.

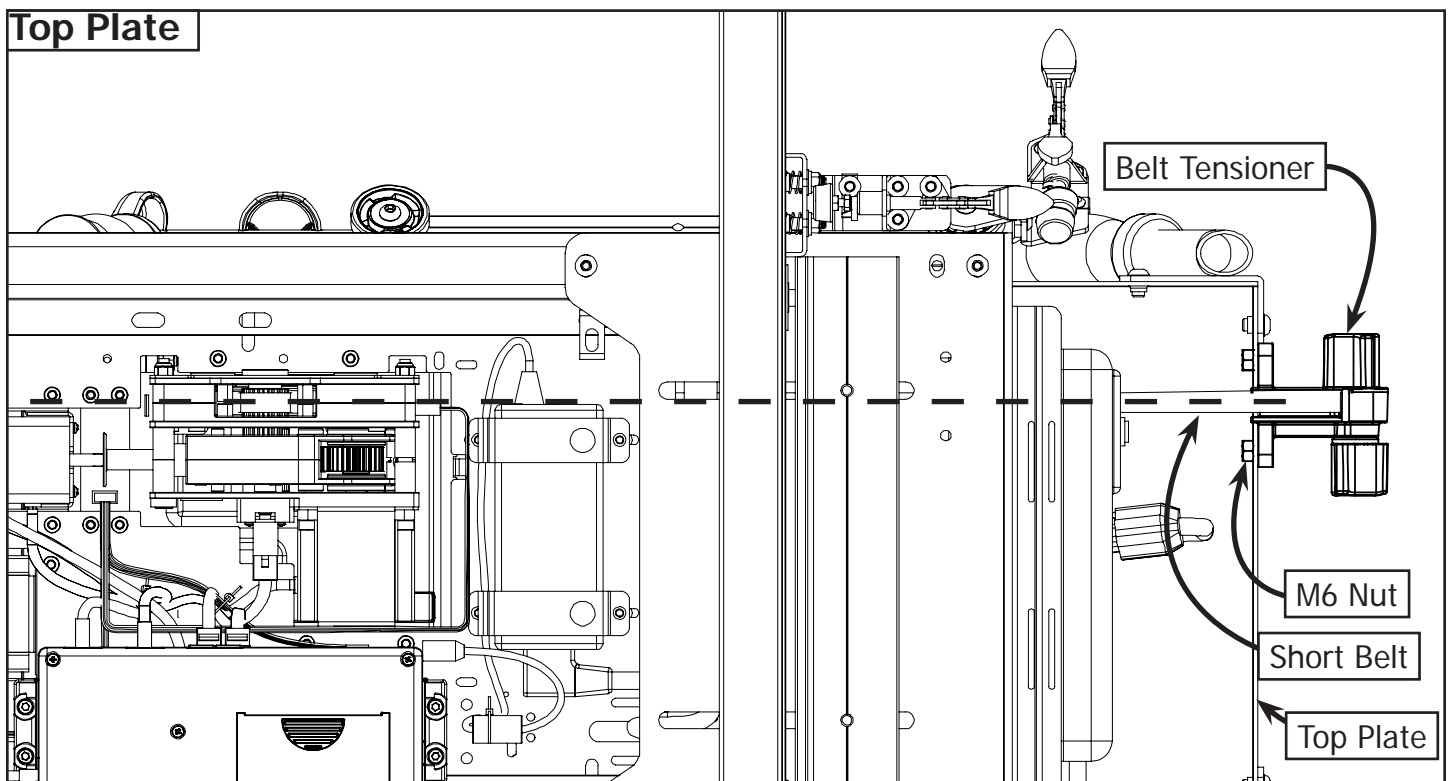
## Step 5 – Aligning the Belts

Tools Needed:

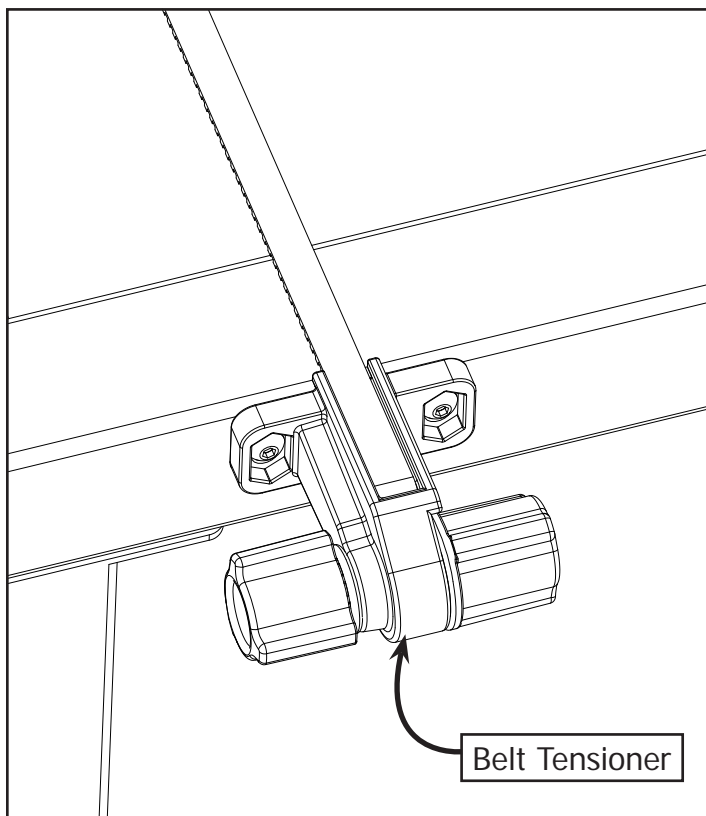
3mm Allen Wrench



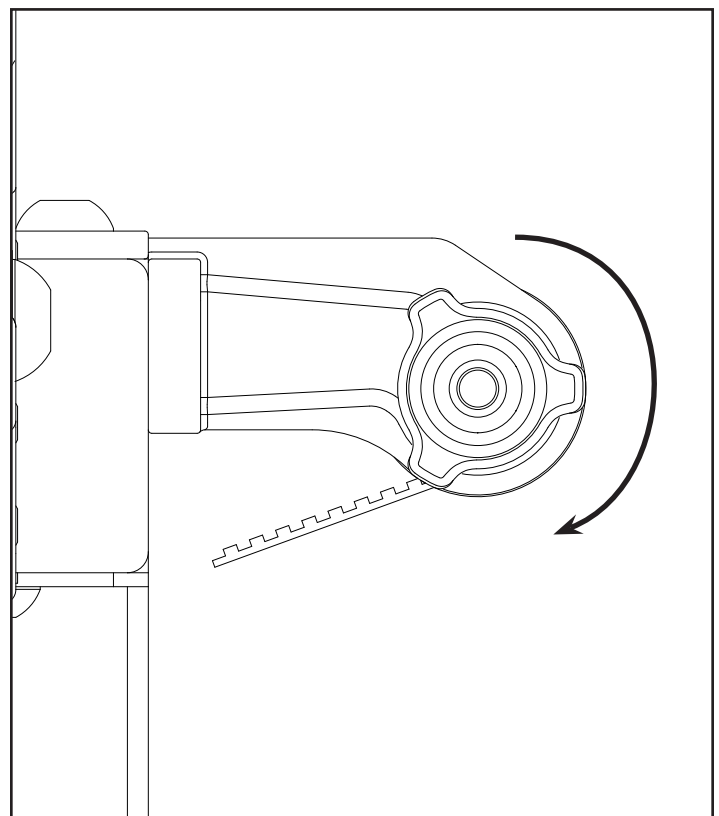
**5-1a:** Check the alignment of the short belt attached to the Top Belt Bracket. If it is bowed to one side loosen the set screws on the front and back wheels, and shift the machine until the belt is straight. Re-tighten the set screws and re-install the Pod Covers if they were removed.



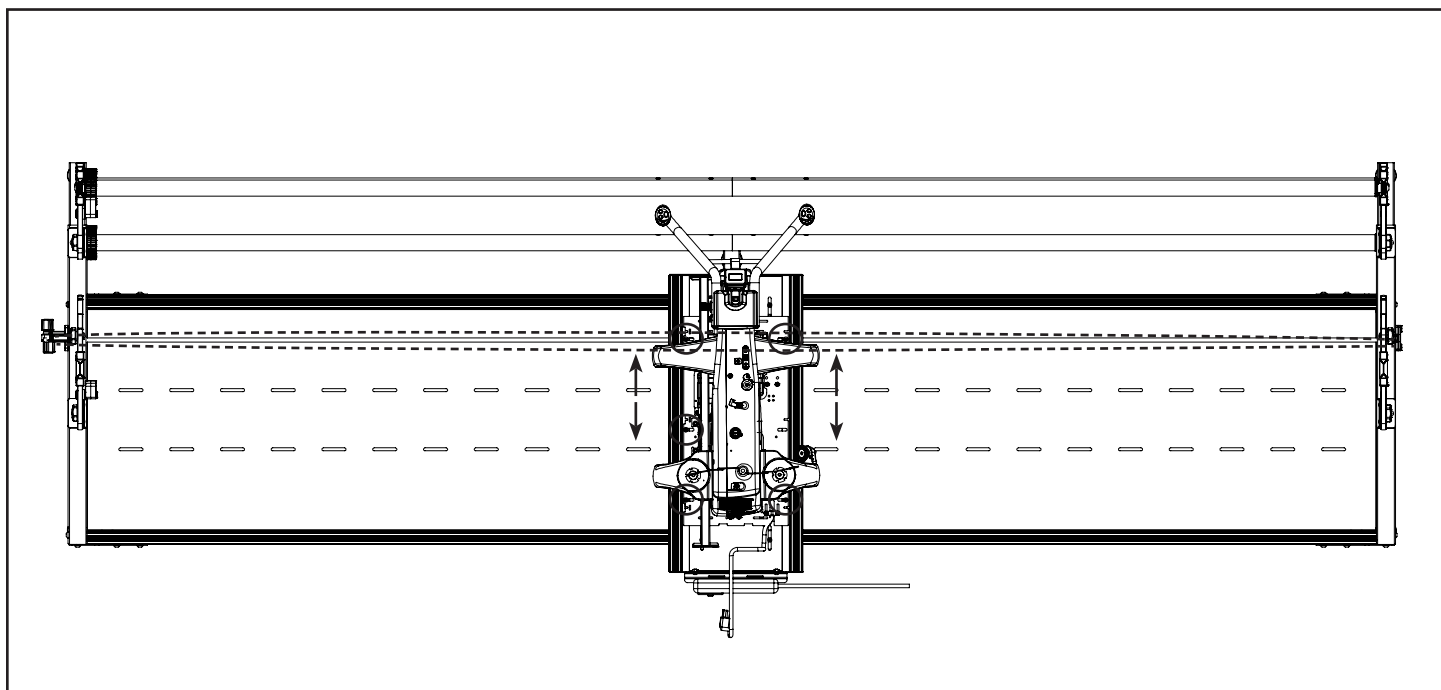
**5-1b:** Check the alignment of the belt attached to the Top Plate. If it is bowed to one side move the Top Plate as far back as possible. Loosen the (2) M6 Nuts on the Belt Tensioner and adjust until the Short Belt is aligned with the Motor Plate.



**5-2:** Insert the free end of the Long Belt into the Belt Tensioner Assembly.



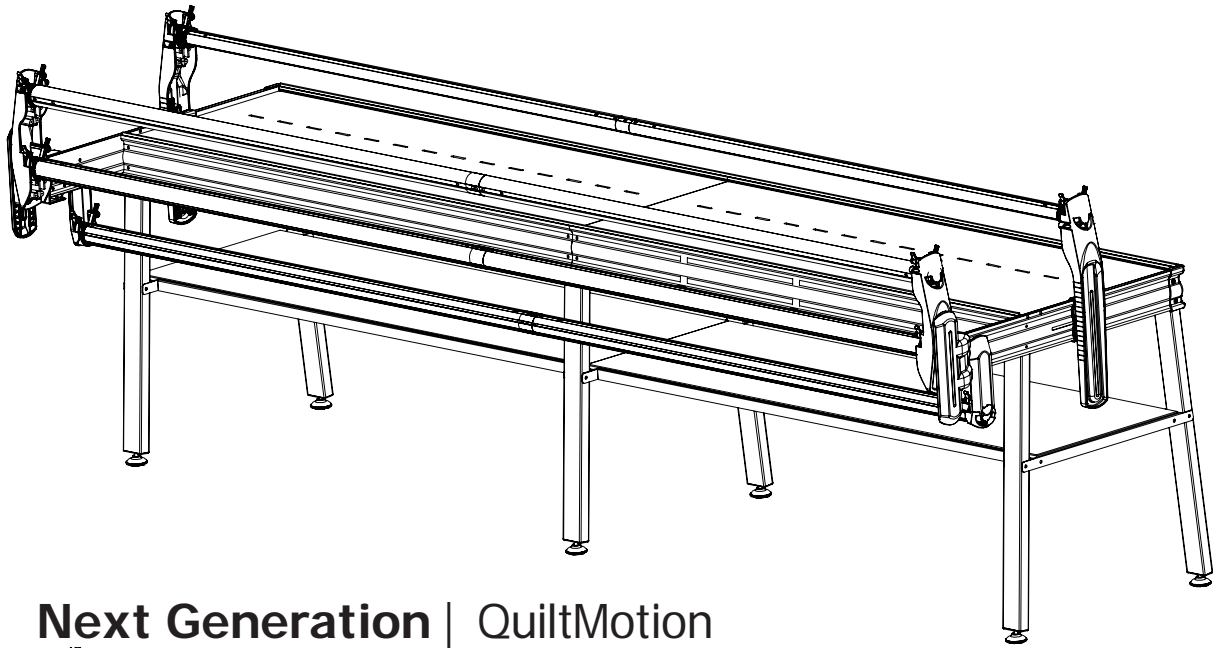
**5-3:** Twist the right Belt Tensioner knob to tighten the belt. Once the belt is tight rotate the left knob clockwise to lock it into place.



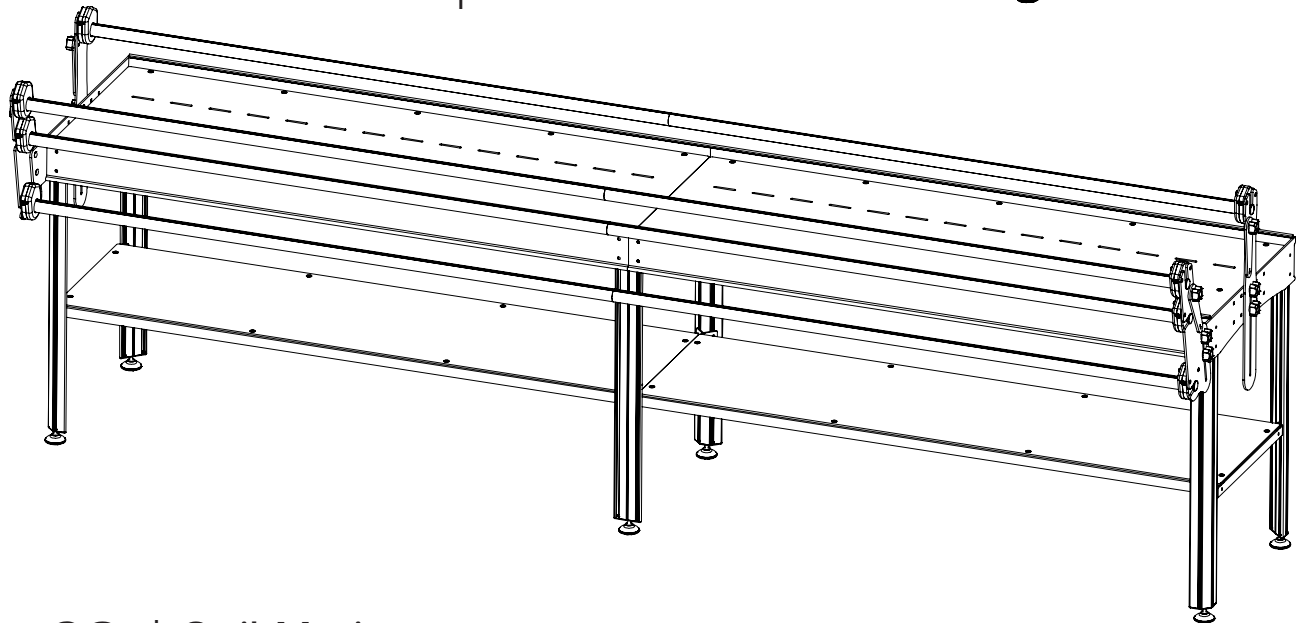
**5-4:** Loosen the (4) M6 x 20mm Hex Bolts from the Motor Plate. Adjust the Motor Plate to make sure there is no bow in the Long Belt. Once the Long Belt is straight tighten the (4) M6 x 20mm Hex Bolts on the Motor Plate.

**\*See Your QCT and Wiring Instructions Booklet\***

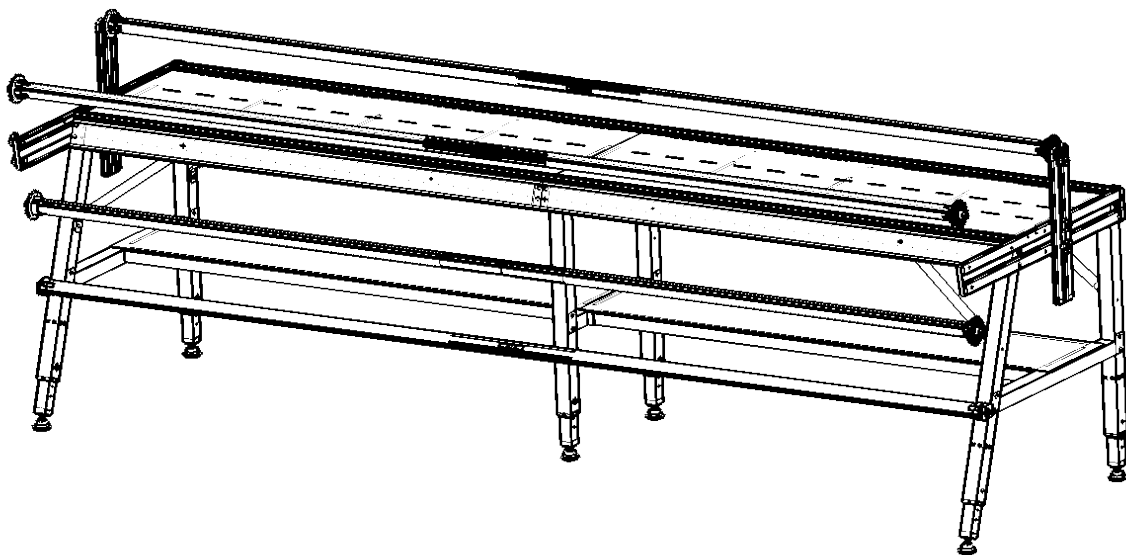
## Pinnacle Frame | QuiltMotion



## Next Generation | QuiltMotion



## GQ | QuiltMotion





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Step 2a: G-Series Carriage Power Strip Installation: .....page 75  
Step 1b: Imperial Dual/Dual Carriage Motor Plate Installation:.....page 76  
Step 2b: Imperial Dual/Dual Carriage Power Strip Installation:.....page 77  
Step 1c: Pro Carriage Motor Plate Installation: .....page 78  
Step 2c: Pro Carriage Power Strip Installation: .....page 79  
Step 1d: Imperial Dual/Single Carriage Motor Plate Installation:..... page 80  
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**Top Belt Bracket**

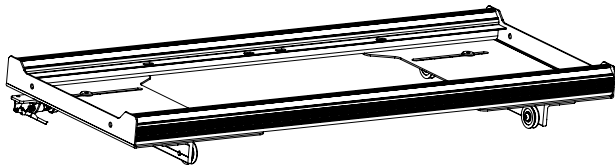
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**Pinnacle, Next Generation, & GQ Frames**

Step 4: Long Belt Installation ..... page 88  
Step 5: Aligning the Belts .....page 93

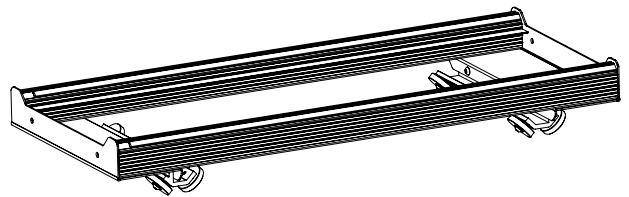
**Step 1** – Choose your Carriage.

Proceed to the page number associated with your Carriage.



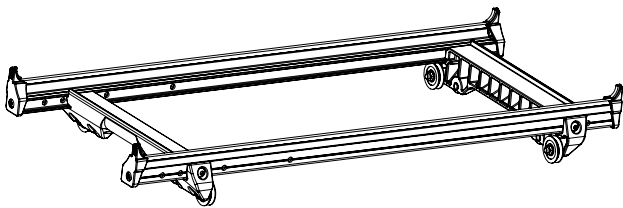
**G-Series Carriage**

Turn to page 74



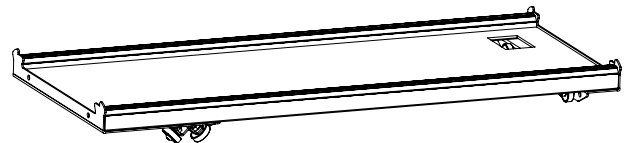
**GQ Dual/Dual Carriage**

Turn to page 76



**Pro Carriage**

Turn to page 78

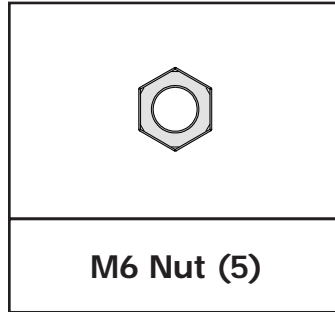
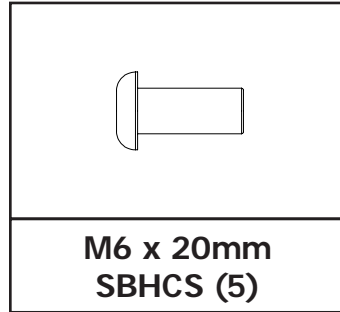
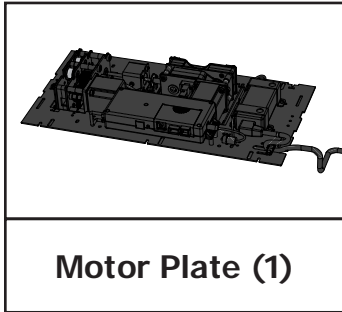


**Imperial Dual/Single Carriage**

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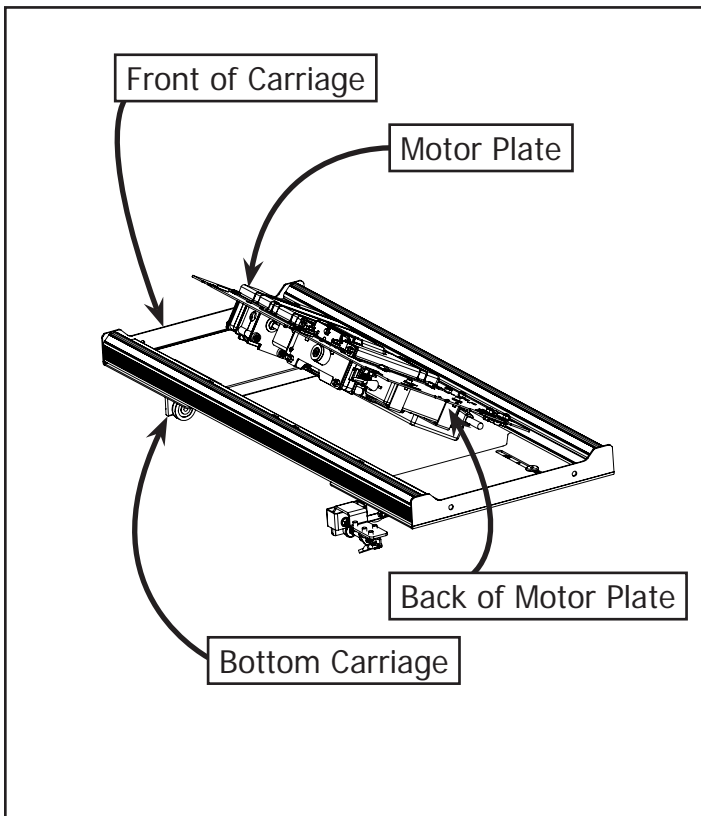
## Step 1a – Motor Plate Installation - G-Series Carriage

Parts Needed:

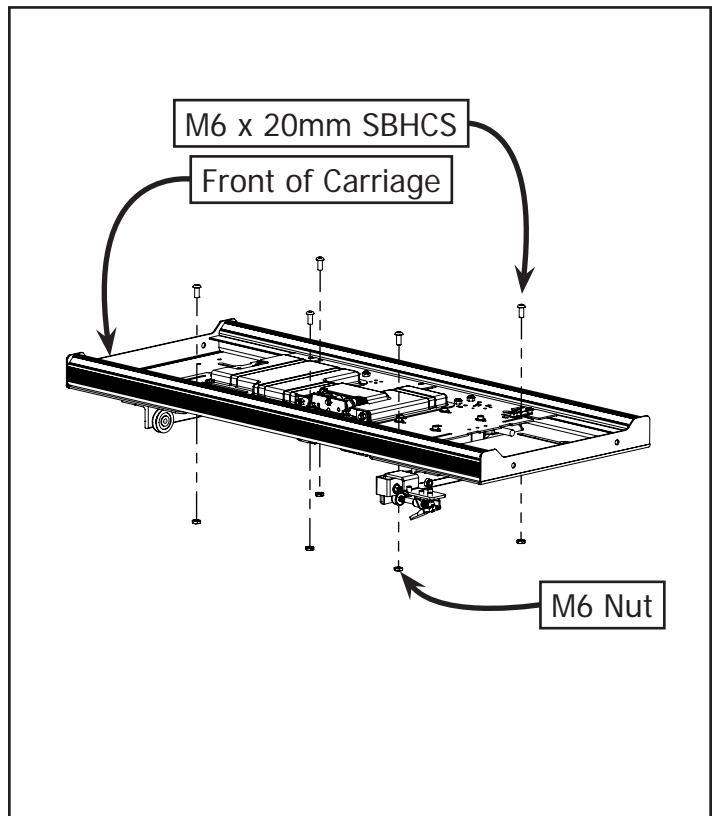


Tools Needed:

4mm Allen Wrench  
10mm & 13mm Box End Wrench



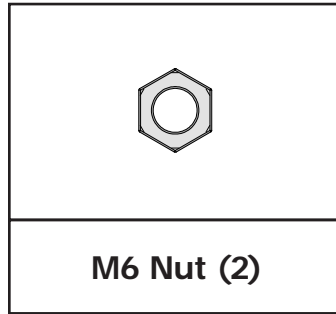
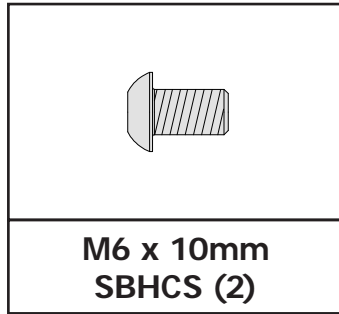
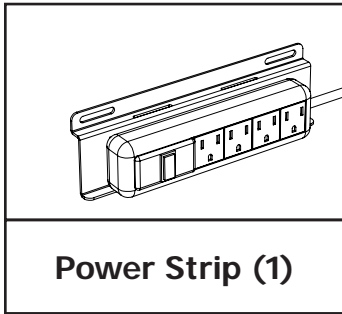
**1-1a:** Insert the Motor Plate into the Bottom Carriage at an angle.



**1-2a:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS and (5) M6 Nuts through the slots in the Bottom Carriage.

## Step 2a – Power Strip Installation - G-Series Carriage

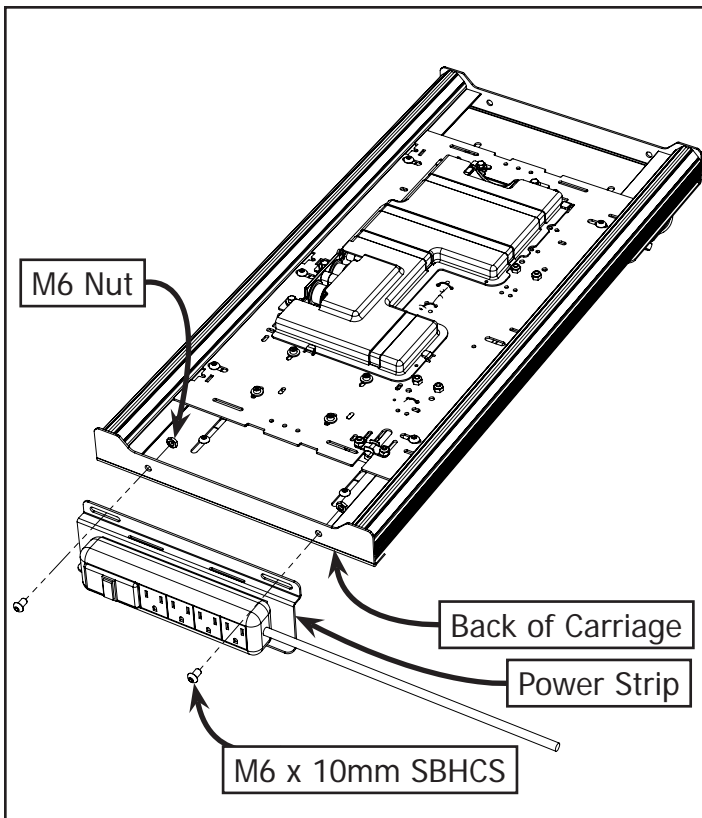
Parts Needed:



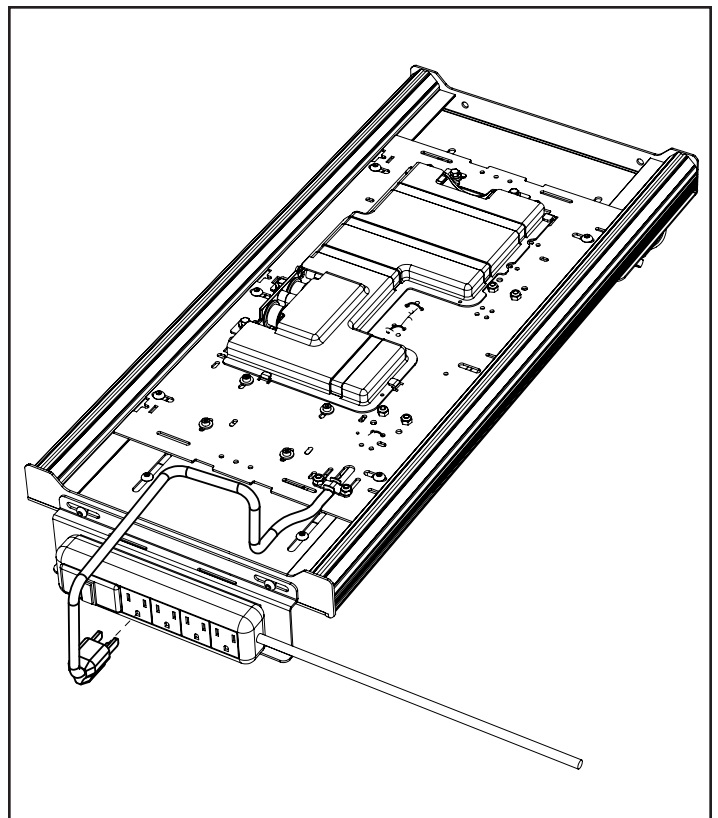
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



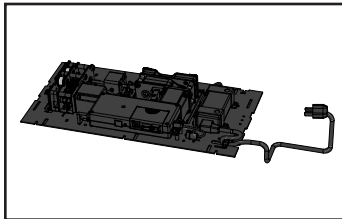
**2-1a:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.



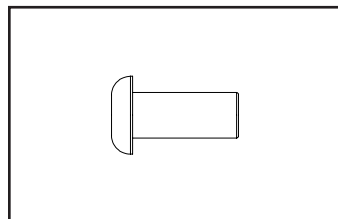
**2-2a:** Plug the Motor Plate into the Power Strip.

## Step 1b – Motor Plate Installation - Imperial Dual/Dual Carriage

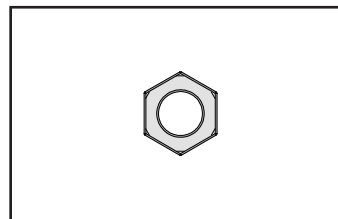
Parts Needed:



Motor Plate (1)



M6 x 20mm  
SBHCS (5)

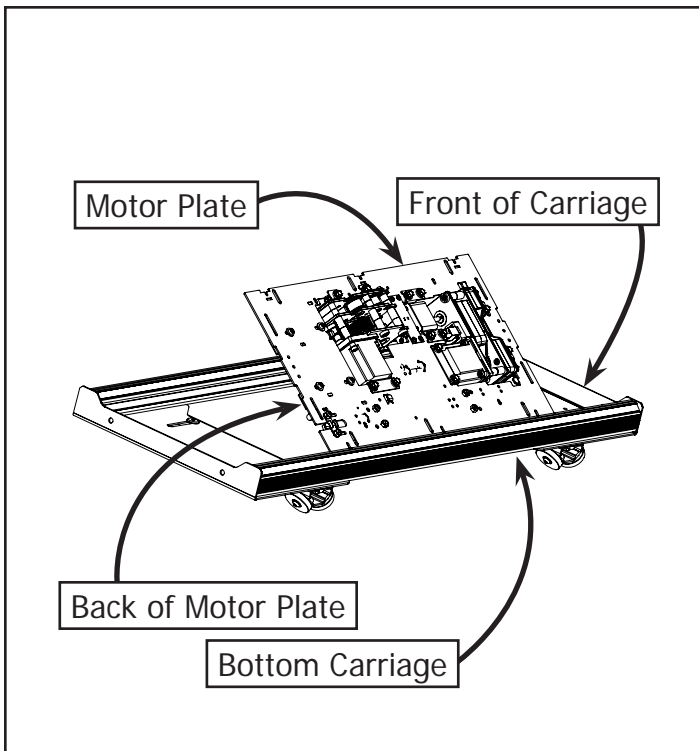


M6 Nut (5)

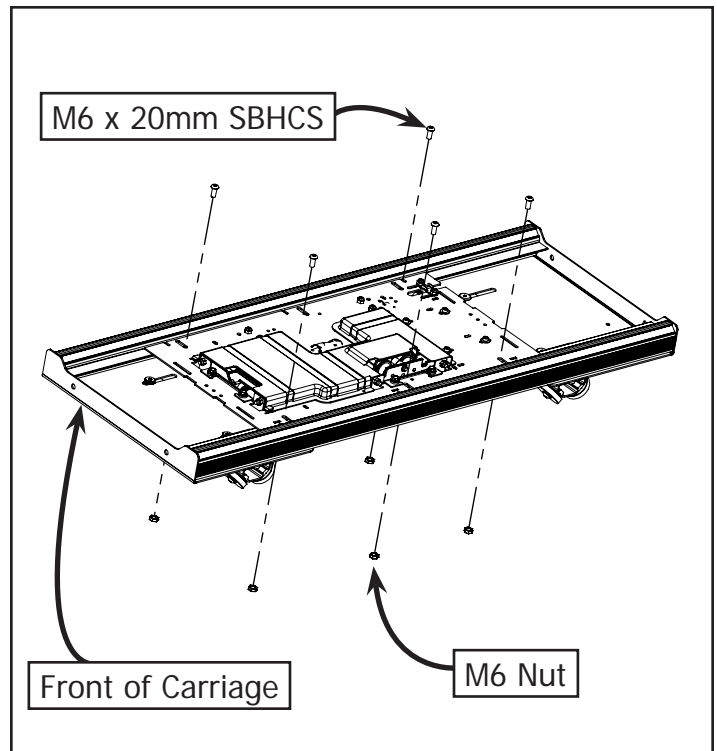
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



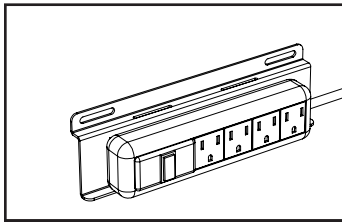
**1-1b:** Insert the Motor Plate into the Bottom Carriage at an angle.



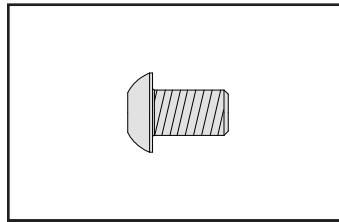
**1-2b:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS, and (5) M6 Nuts to the Bottom Carriage. Center the Motor Plate in the Bottom Carriage.

## Step 2b – Power Strip Installation - Imperial Dual/Dual Carriage

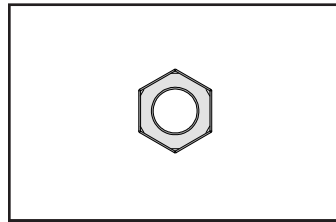
Parts Needed:



Power Strip (1)



M6 x 10mm  
SBHCS (2)

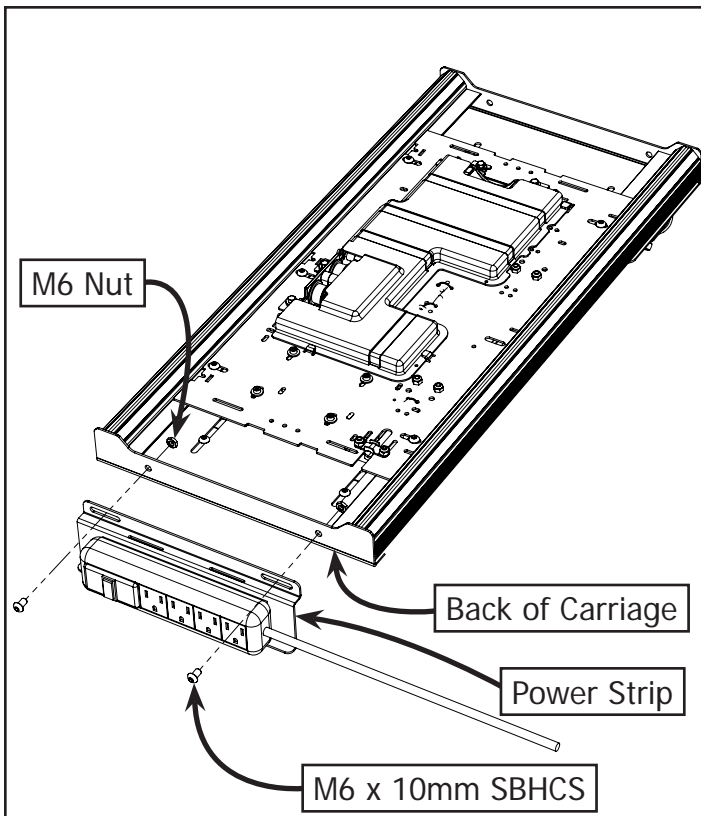


M6 Nut (2)

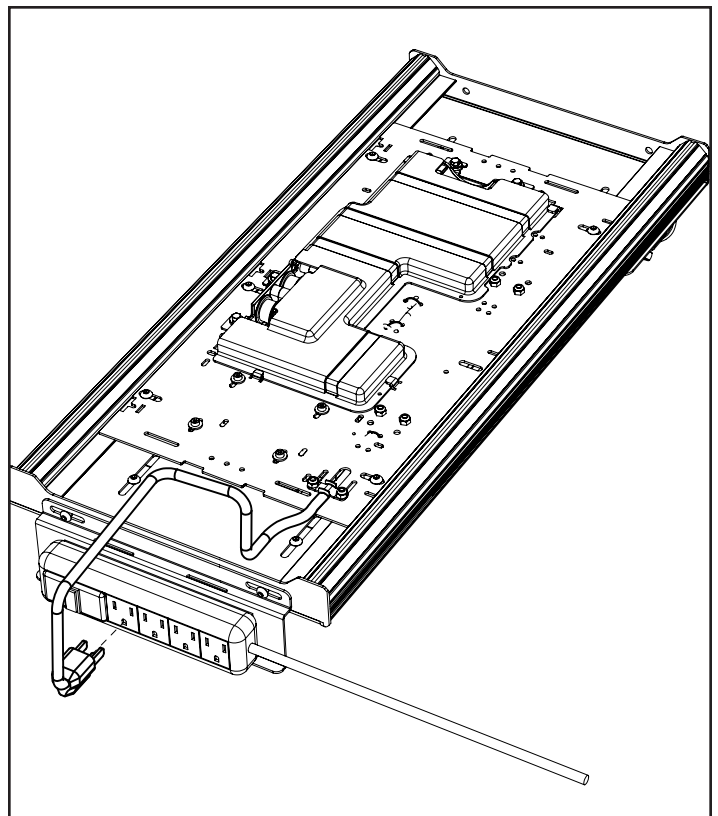
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



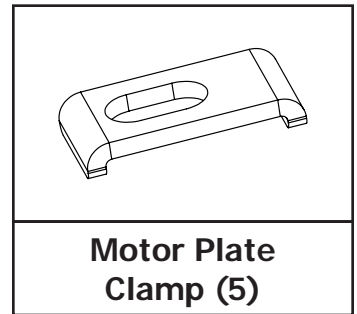
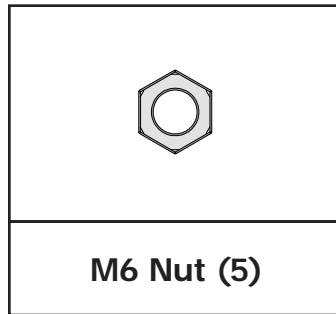
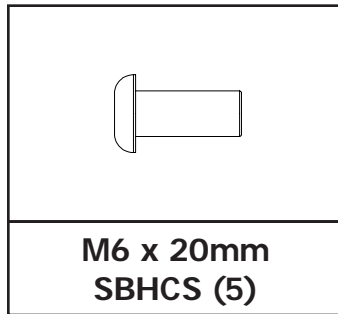
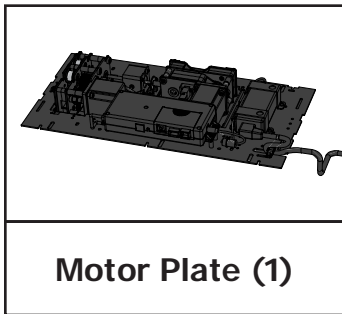
**2-1b:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.



**2-2b:** Plug the Motor Plate into the Power Strip.

## Step 1c – Motor Plate Installation - Pro Carriage

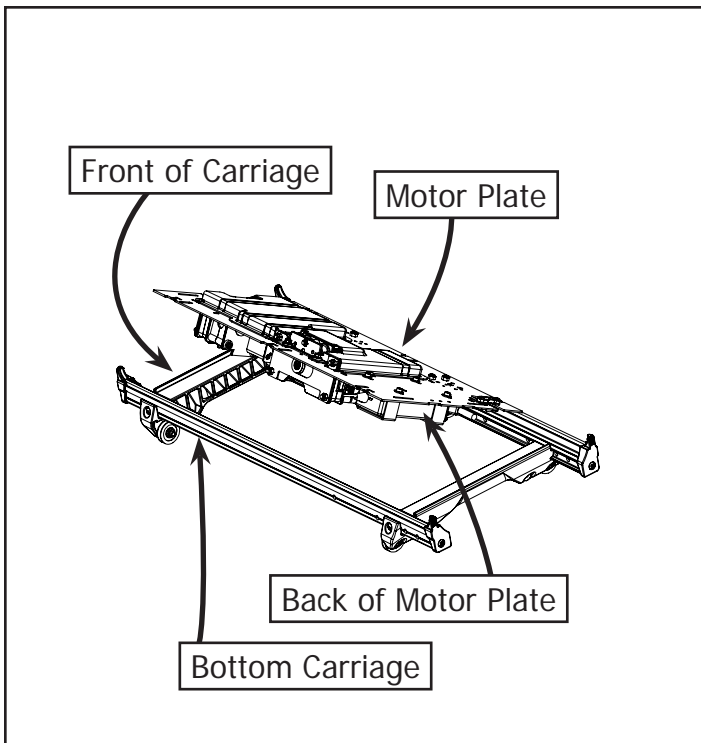
Parts Needed:



Tools Needed:

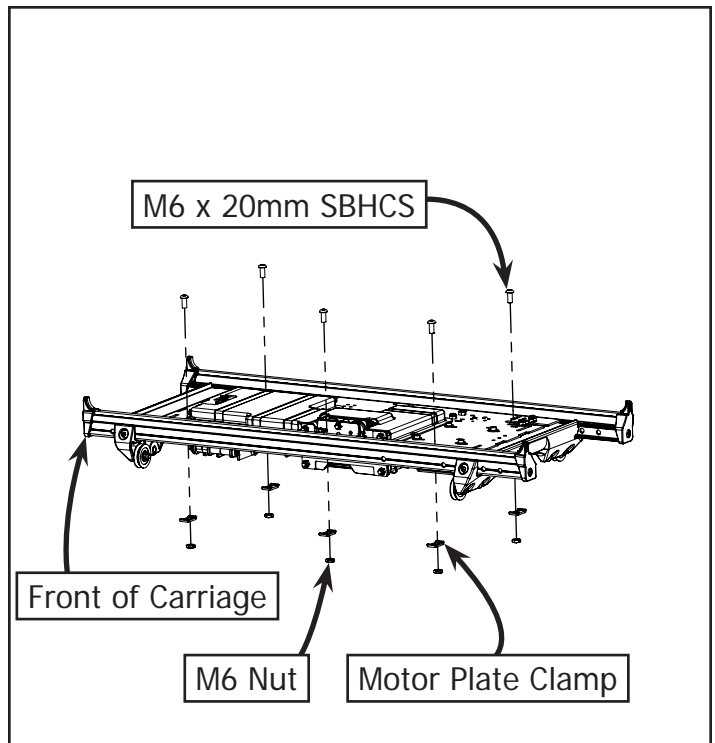
4mm Allen Wrench

10mm & 13mm Box End Wrench



**1-1c:** Insert the QuiltMotion Motor Plate into the Bottom Carriage at an angle.

**Note:** If Motor Plate will not fit, remove foam.

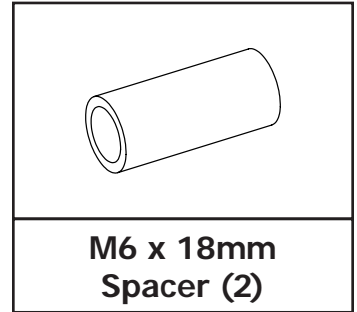
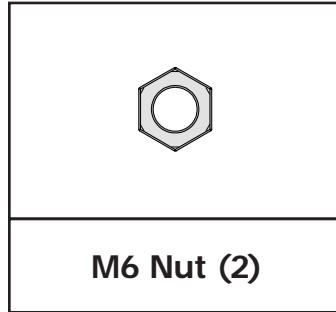
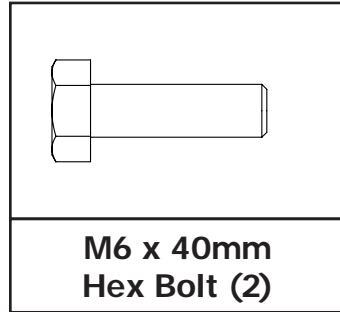
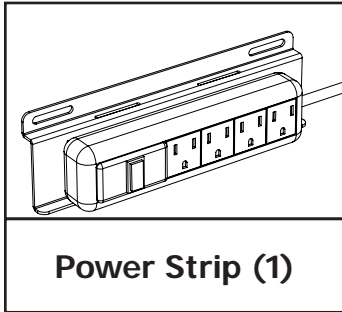


**1-2c:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS, (5) Motor Plate Clamps, and (5) M6 Nuts.

**Note:** Make sure the Motor Plate is centered in the Carriage.

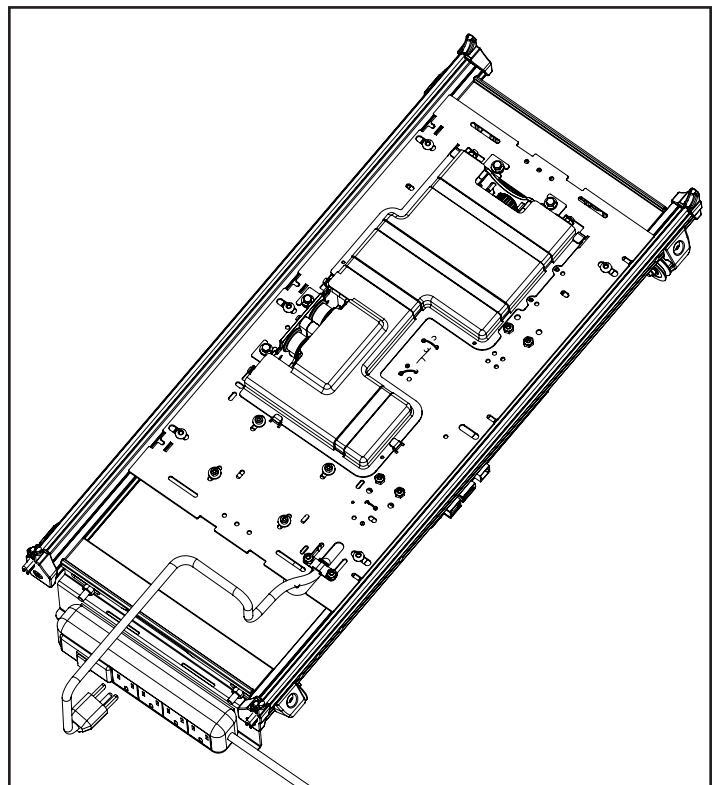
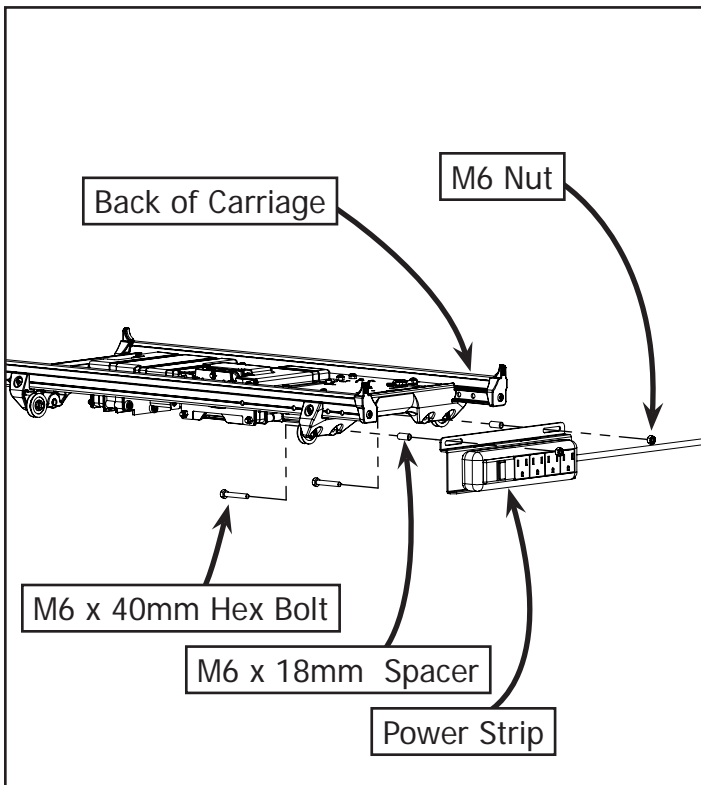
## Step 2c – Power Strip Installation - Pro Carriage

Parts Needed:



Tools Needed:

10mm & 13mm Box End Wrench



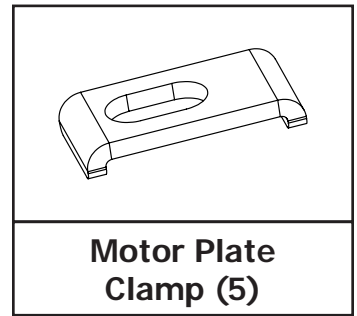
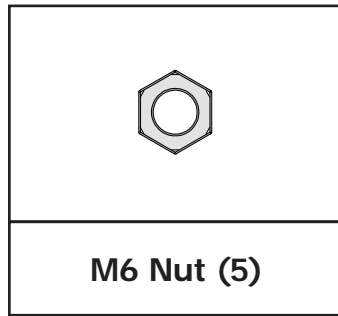
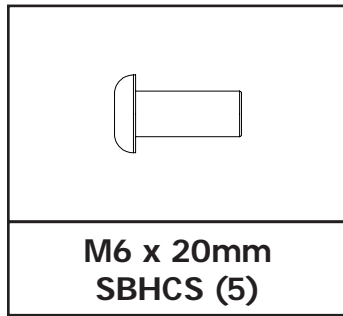
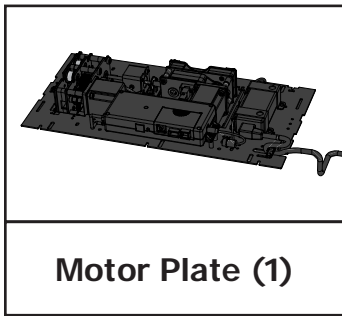
**2-1c:** Attach the Power Strip to the Bottom Carriage and center it on the end using (2) M6 x 40mm Hex Bolts, (2) M6 x 18mm Spacers, and (2) M6 Nuts.

**2-2c:** Plug the QuiltMotion Motor Plate into the Power Strip.



## Step 1d – Motor Plate Installation - Imperial Dual/Single Carriage

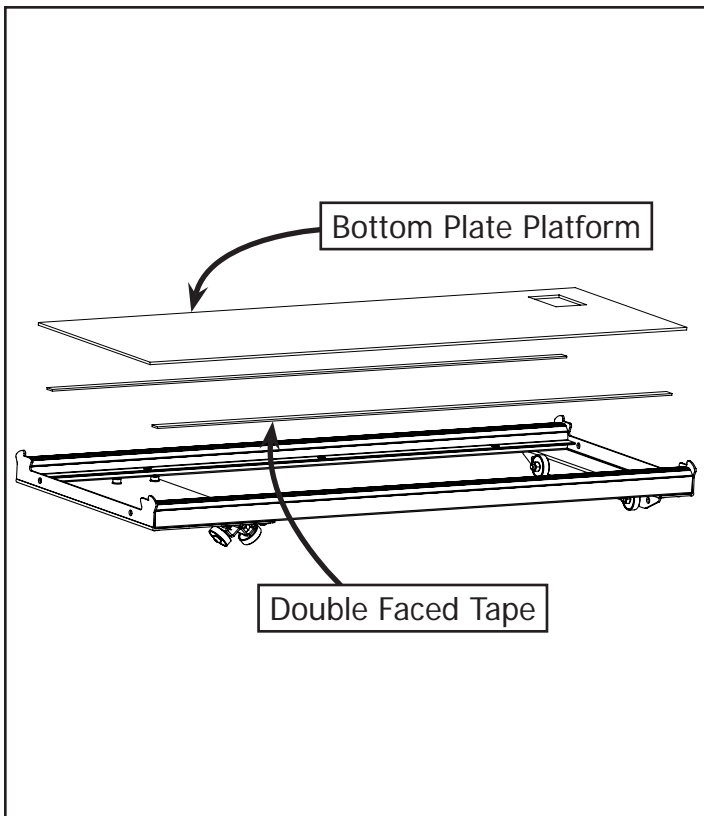
Parts Needed:



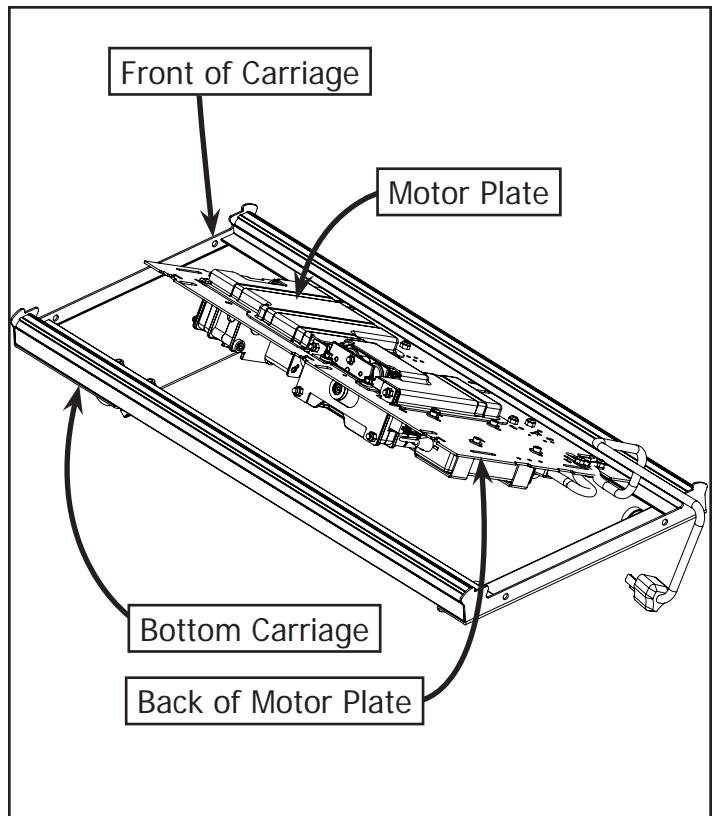
Tools Needed:

4mm Allen Wrench

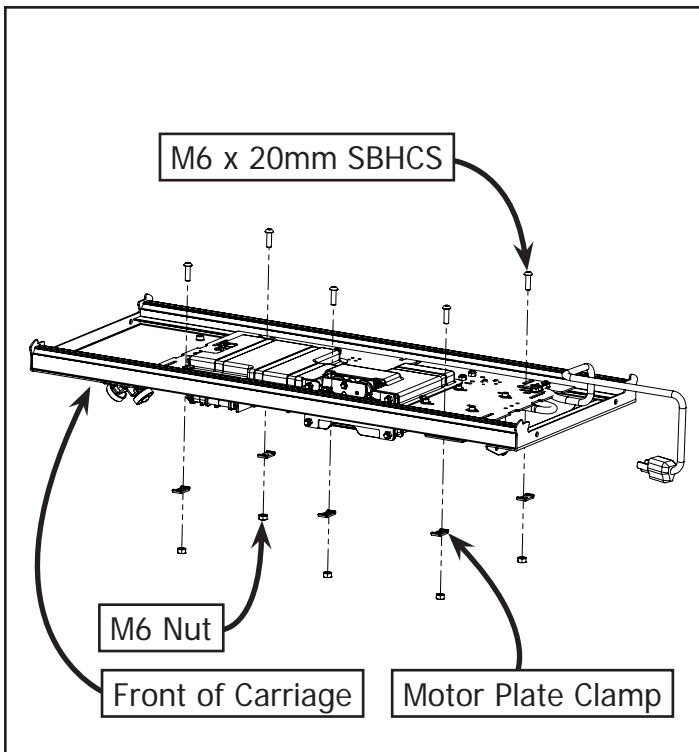
10mm & 13mm Box End Wrench



**1-1d:** Remove the Bottom Plate Platform and Double Faced Tape.



**1-2d:** Insert the Motor Plate into the Bottom Carriage at an angle.

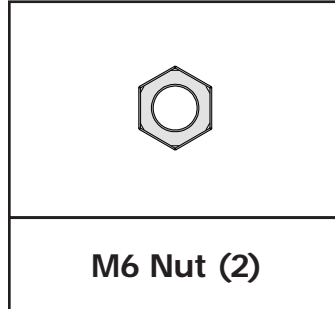
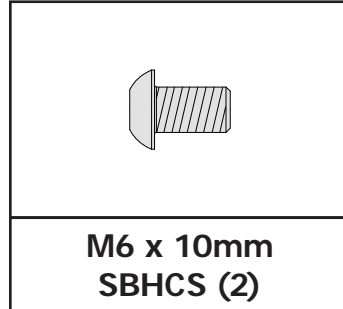
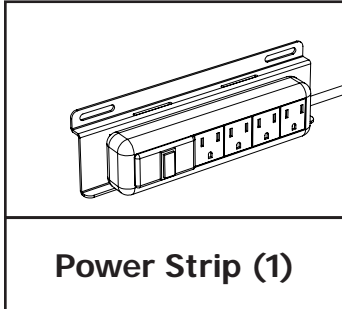


**1-3d:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS, (5) Motor Plate Clamps, and (5) M6 Nuts.

**Note:** Make sure the Motor Plate is centered in the Carriage.

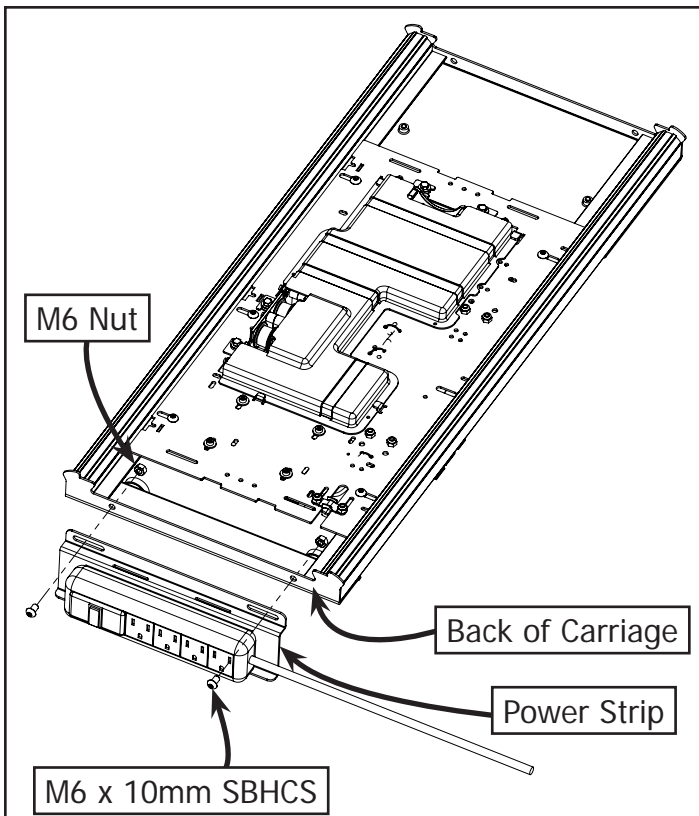
## Step 2d – Power Strip Installation - Imperial Dual/Single Carriage

Parts Needed:

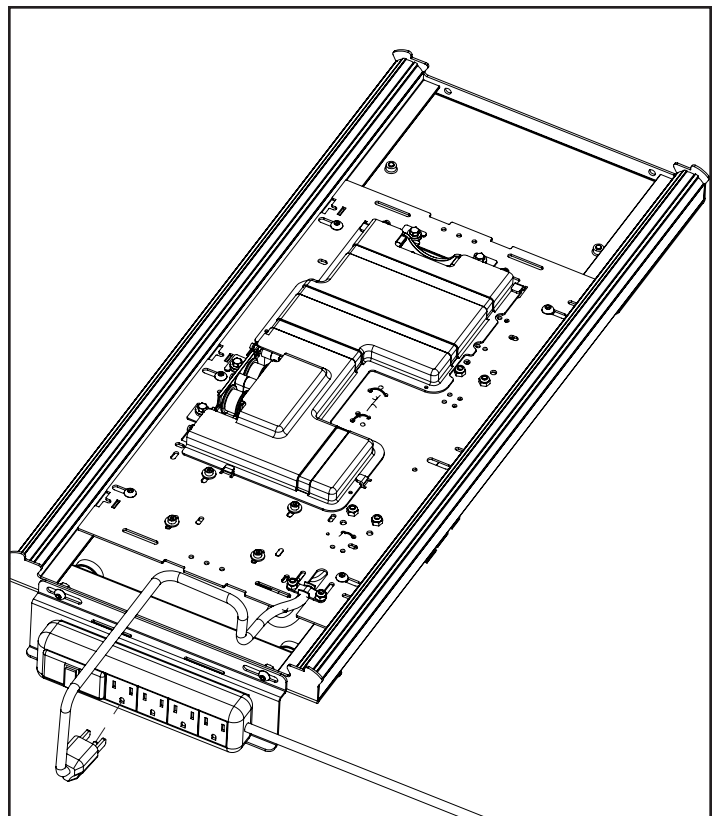


Tools Needed:

4mm Allen Wrench  
10mm & 13mm Box End Wrench



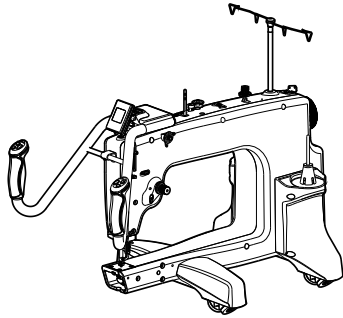
**2-1d:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.



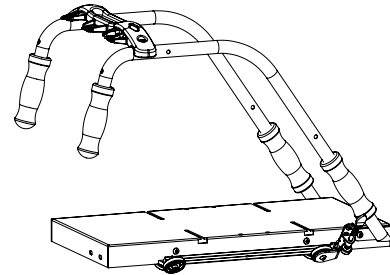
**2-2d:** Plug the Motor Plate into the Power Strip.

**Step 3** – Choose your Machine or Top Plate.

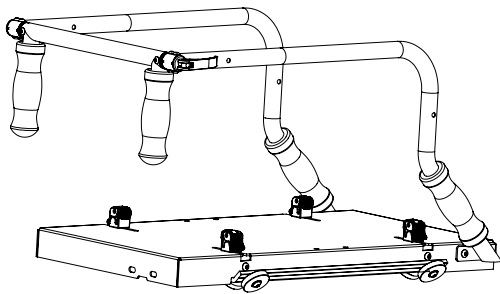
Proceed to the page number associated with your Machine or Top Plate.



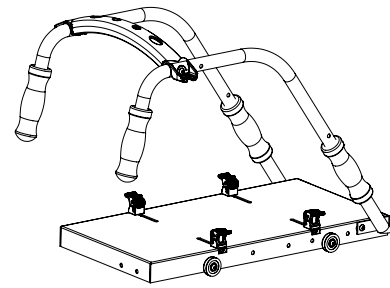
**Q'nique 15**  
Turn to page 84



**G-Series Top Plate**  
Turn to page 86



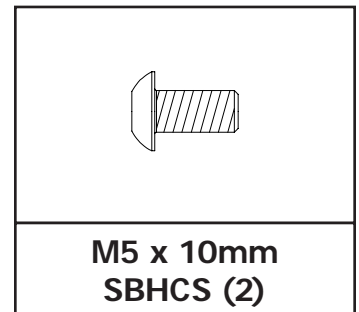
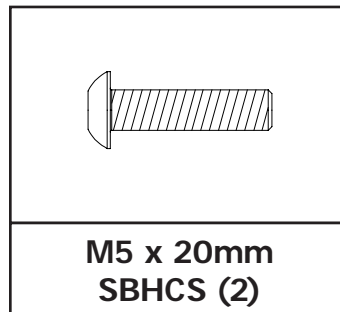
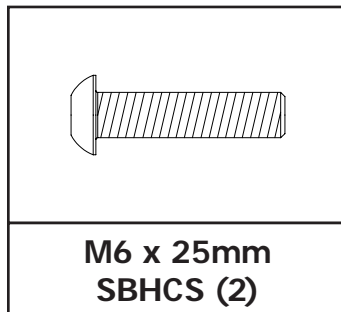
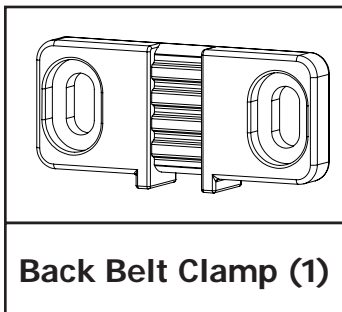
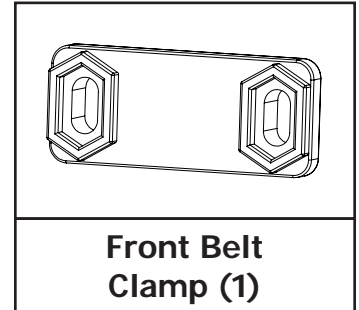
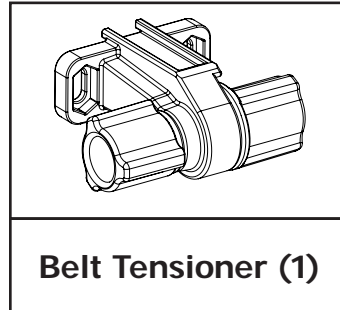
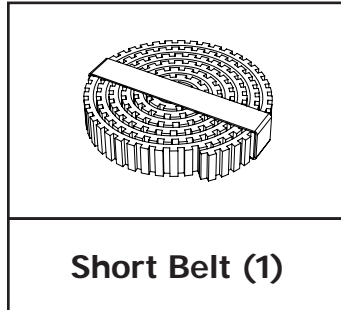
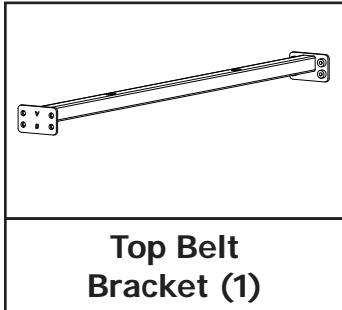
**G-Series 2 Top Plate**  
Turn to page 86



**Pro Carriage Top Plate**  
Turn to page 86

## Step 3a – Short Belt Installation - Q'nique 15"

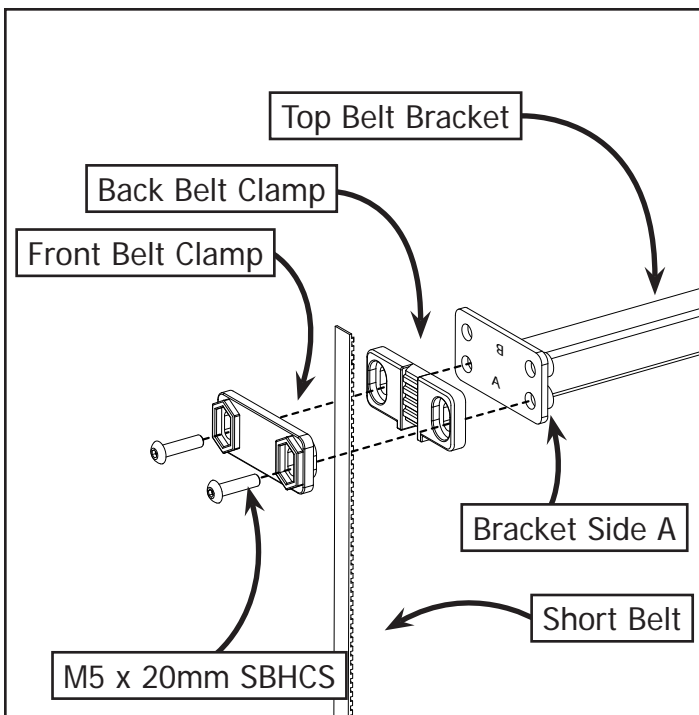
Parts Needed:



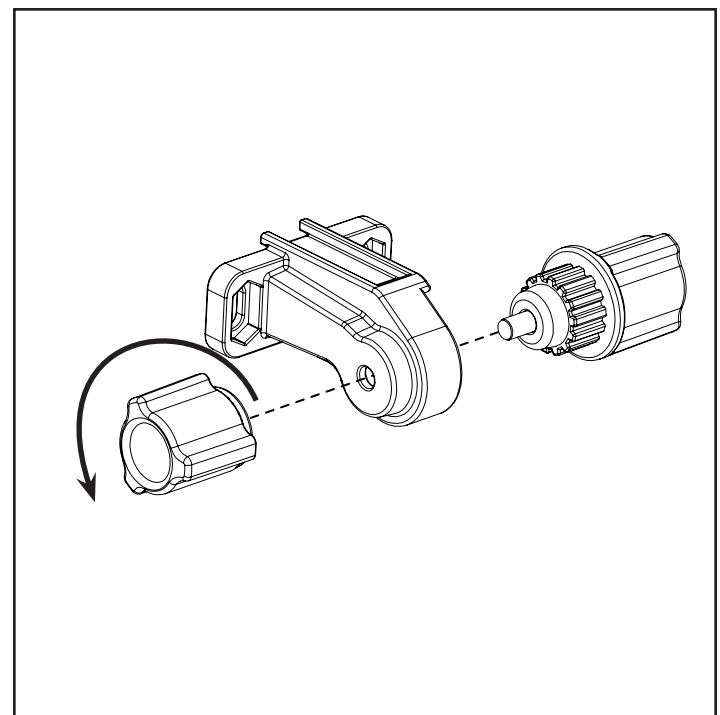
Tools Needed:

3mm Allen Wrench

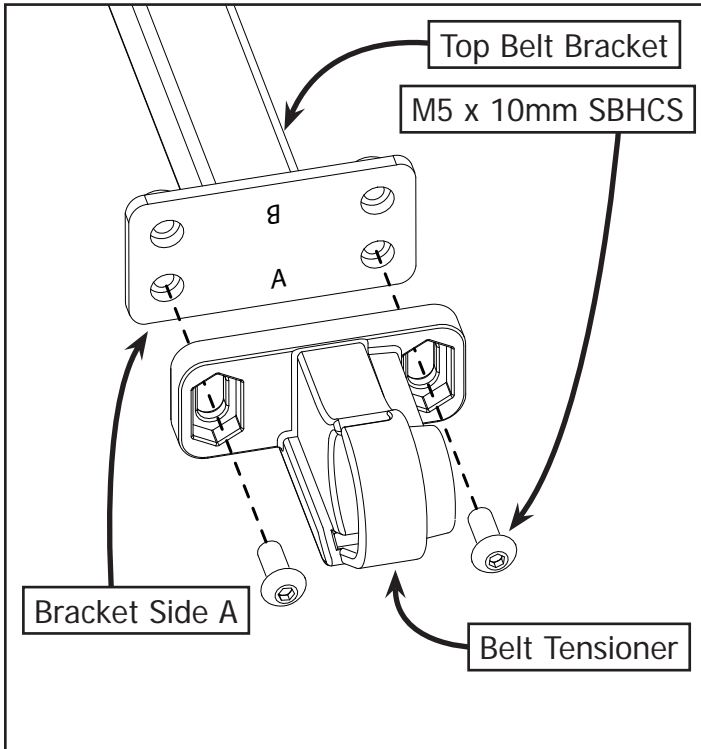
4mm Allen Wrench



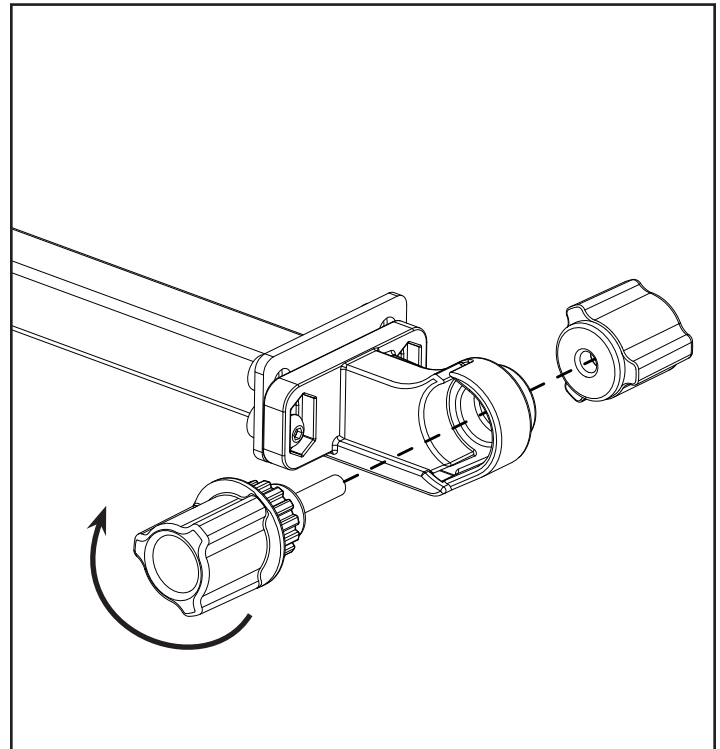
**3-1a:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side A.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.



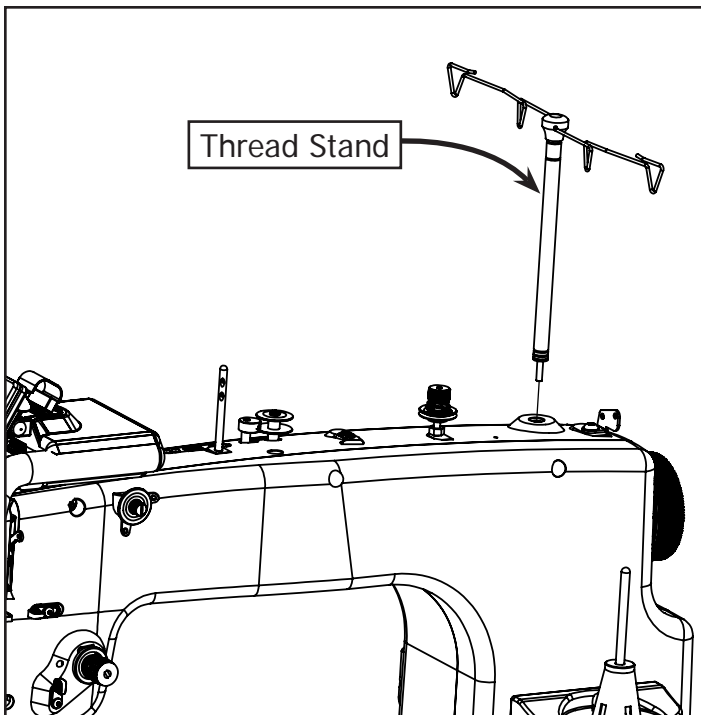
**3-2a:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



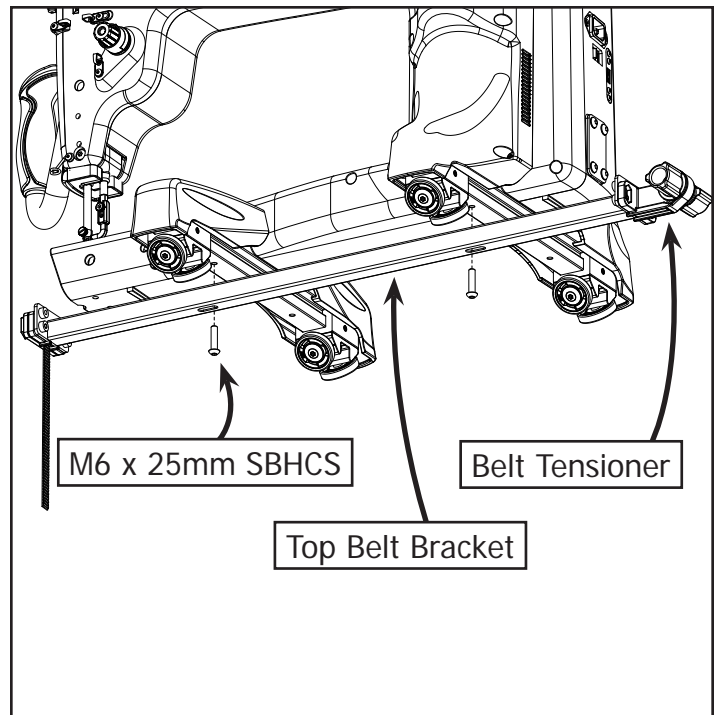
**3-3a:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side A using (2) M5 x 10mm SBHCS.



**3-4a:** Re-Install the Belt Tensioner Knobs.



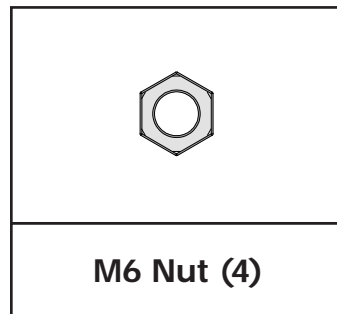
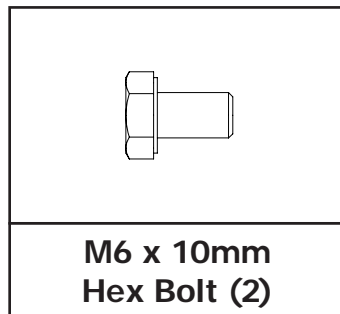
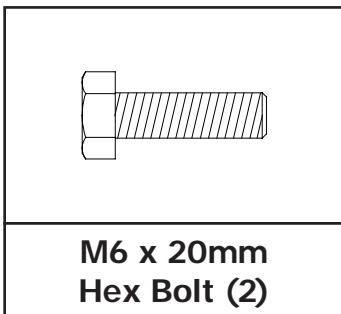
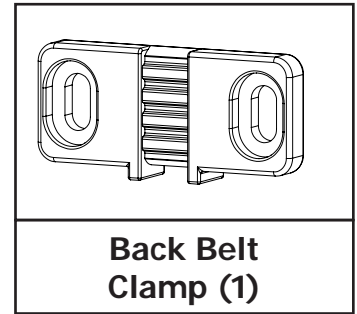
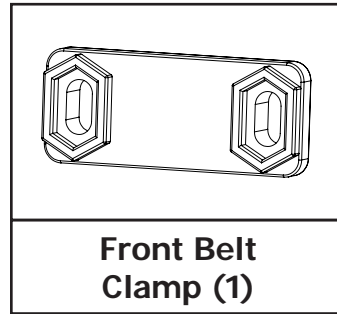
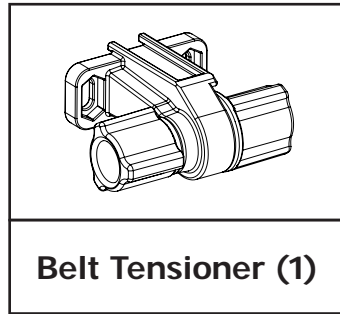
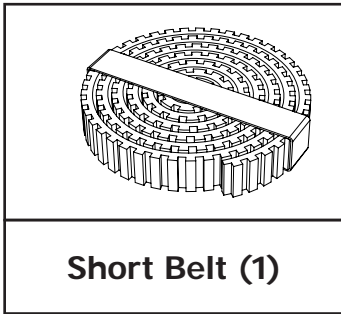
**3-5a:** Remove the Thread Stand from your machine. See your machine manual for instructions.



**3-6a:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.

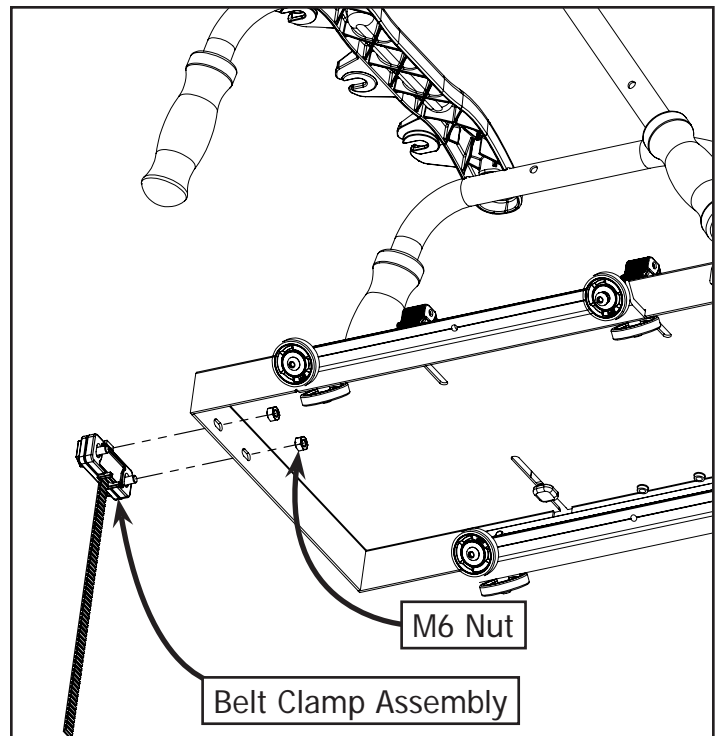
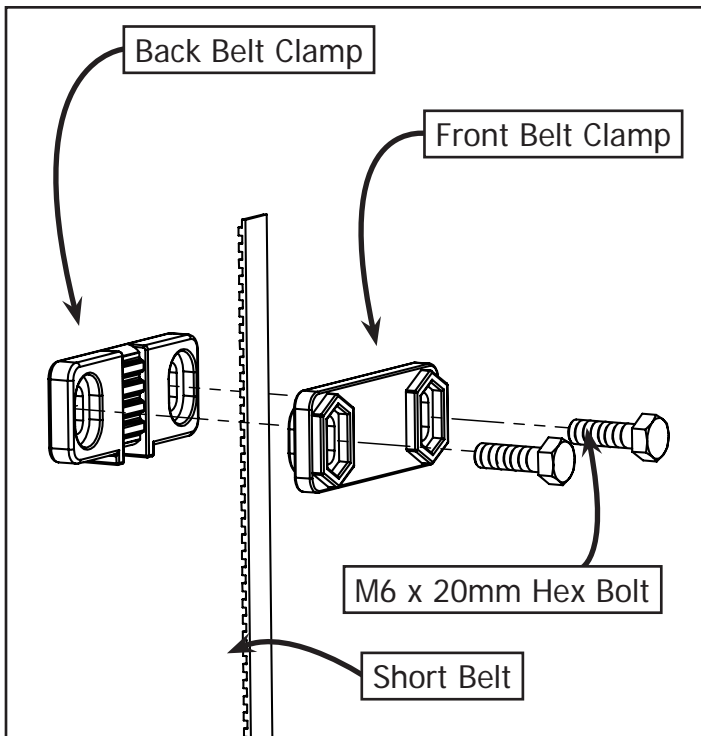
## Step 3b – Short Belt Installation - Top Plate

Parts Needed:



Tools Needed:

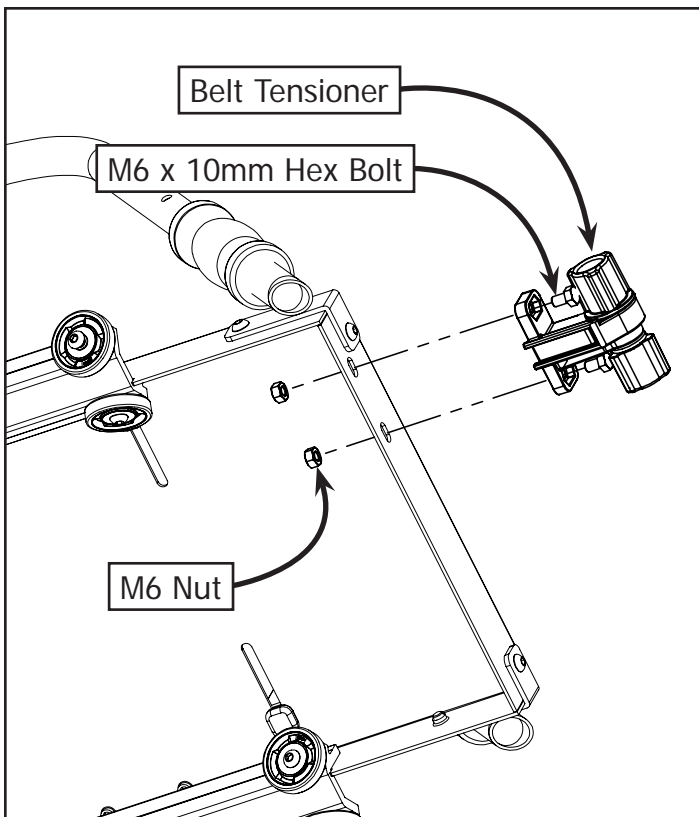
10mm & 13mm Open End Wrench



**3-1b:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and place (2) M6 x 20mm Hex Bolts through the Belt Clamp.

**3-2b:** Assemble the completed assembly (from Step 3-1b) to the front end of the Top Plate using (2) M6 Nuts.

**Note:** The teeth of the belt should be facing towards the Top Plate.

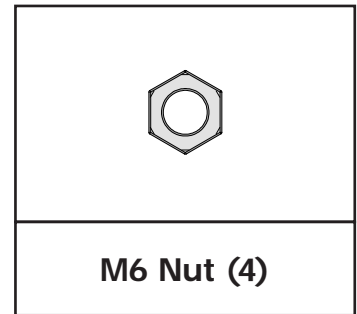
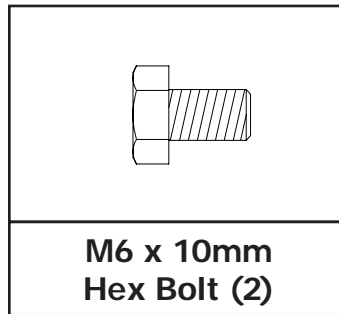
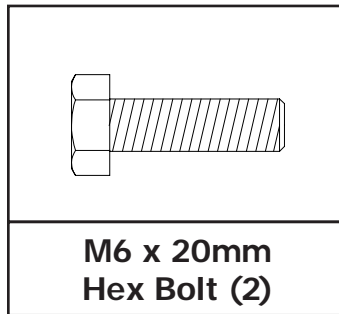
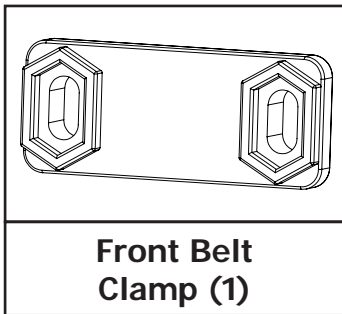
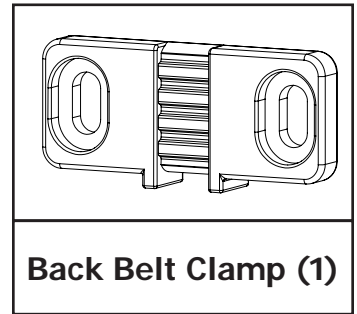
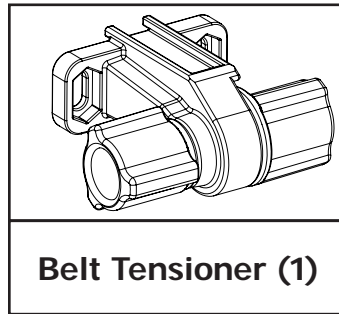
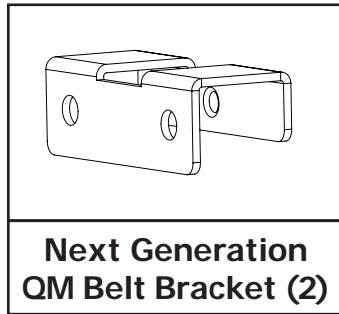
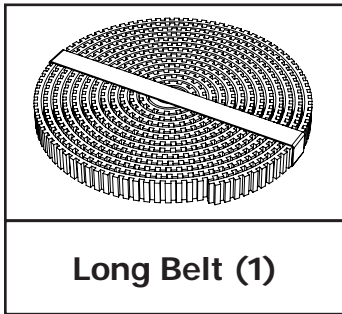


**3-3b:** Assemble the Belt Tensioner onto the opposite end of the Top Plate using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.



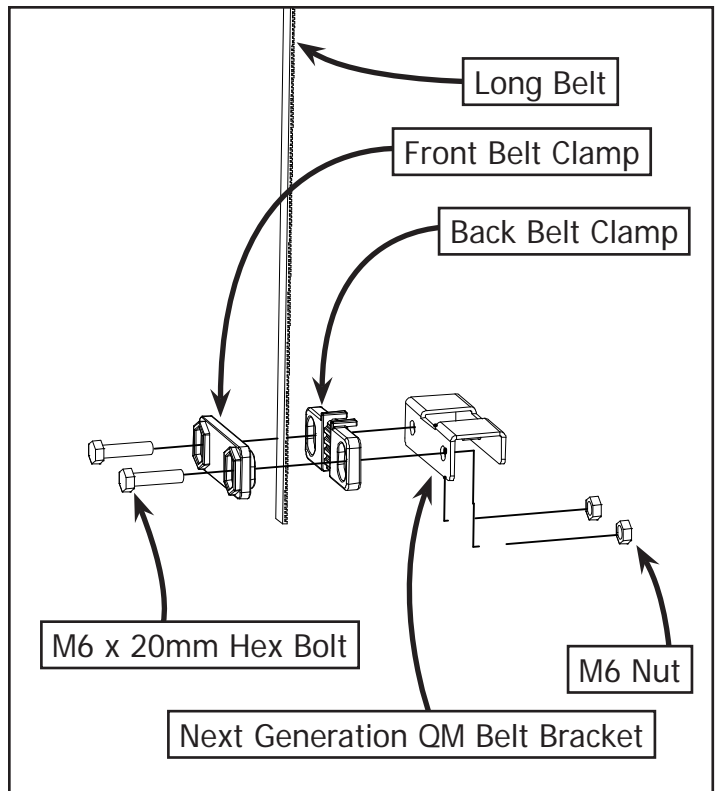
## Step 4 - Long Belt Installation

Parts Needed:

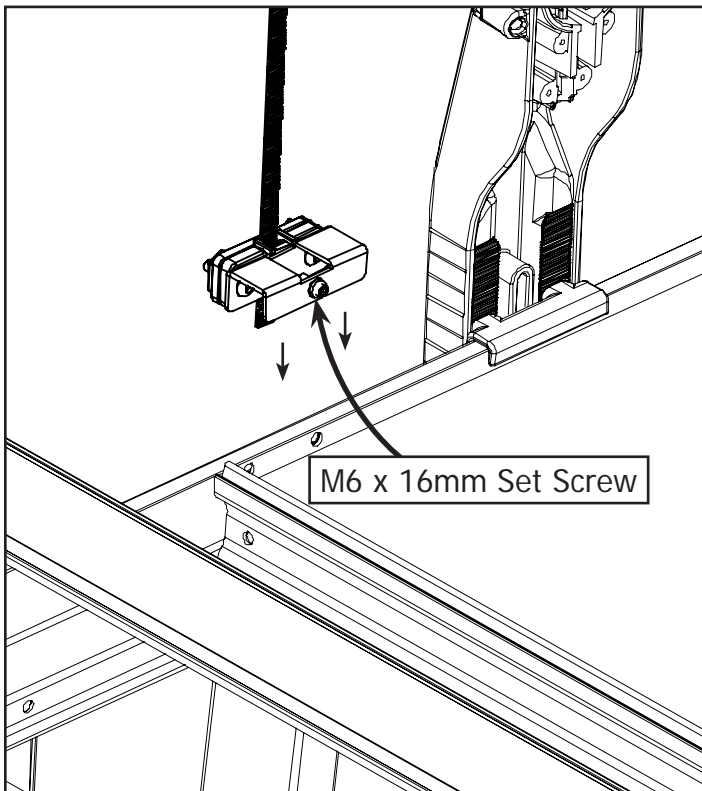


Tools Needed:

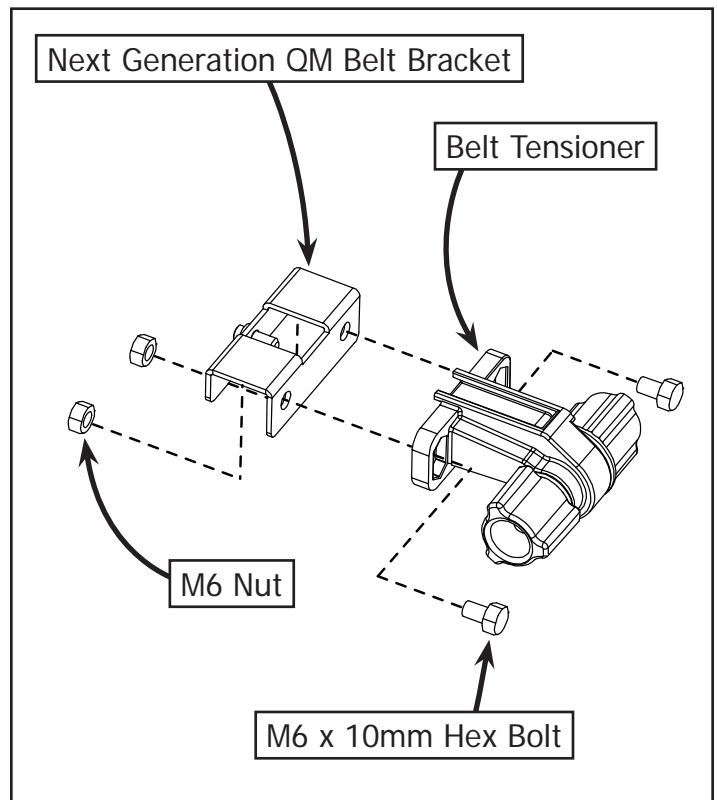
- 3mm Allen Wrench
- 4mm Allen Wrench



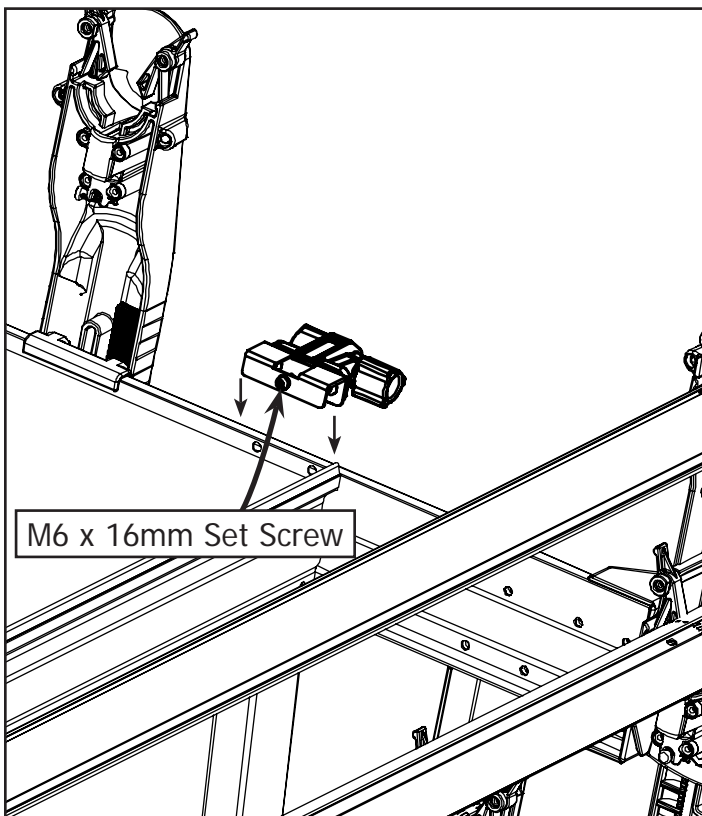
**4-1:** Place the most curly end of the Long Belt into the Back Belt Clamp. Install the Front Belt Clamps to the Next Generation QM Belt Bracket using (2) M6 x 20mm Hex Bolts and (2) M6 Nuts.



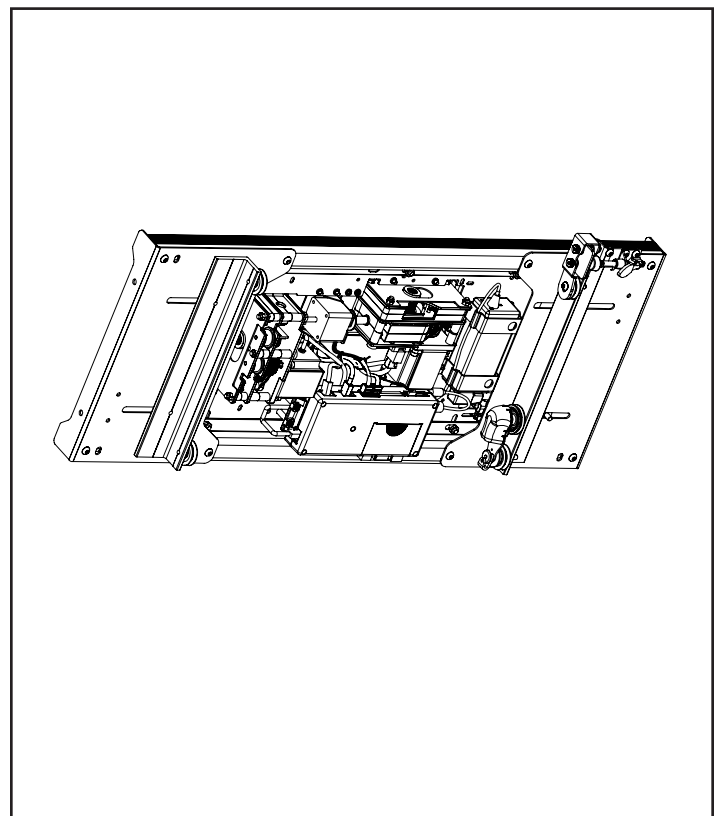
**4-2:** Install the Belt Clamp Assembly onto the Left side of the frame. Do not tighten the M6 x 16mm Set Screw at this time.



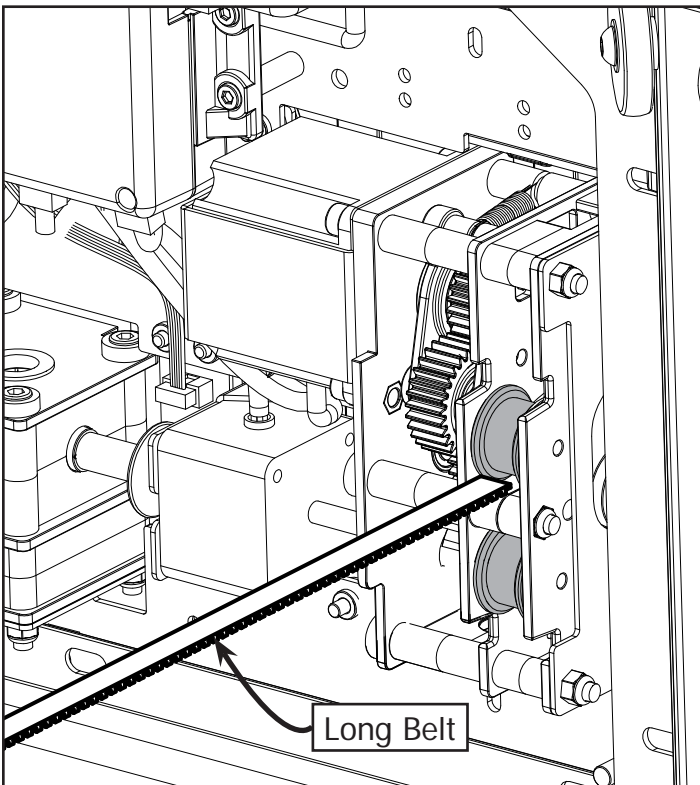
**4-3:** Install the Belt Tensioner to the Next Generation QM Belt Bracket using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.



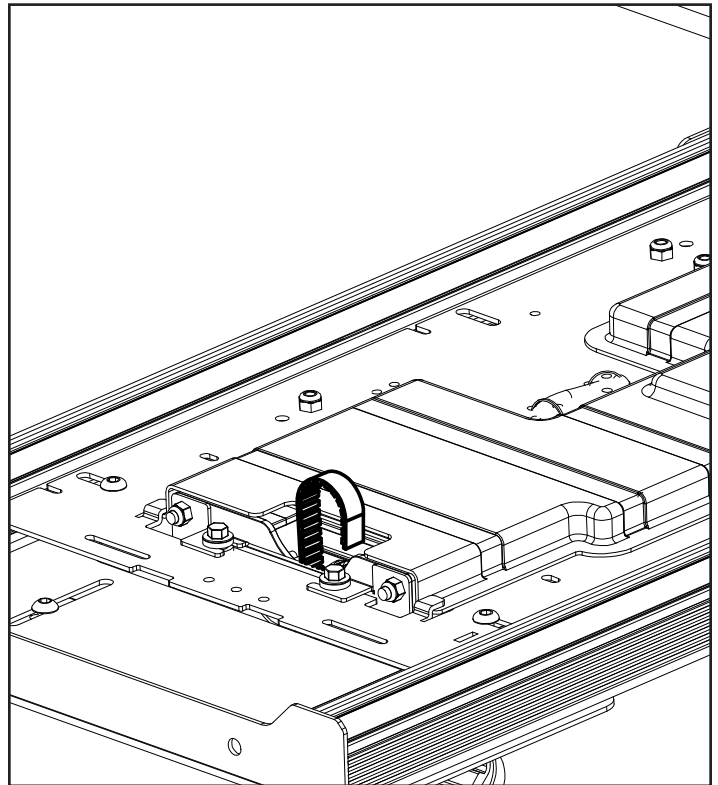
**4-4:** Install the Belt Tensioner Assembly onto the Right side of the frame. Do not tighten the M6 x 16mm Set Screw at this time.



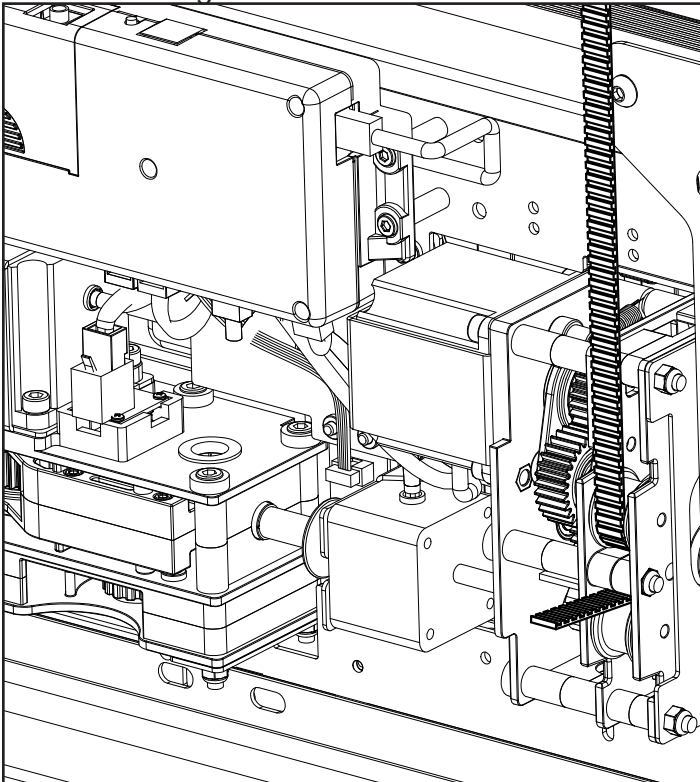
**4-5:** Tilt the Bottom Carriage onto its side.



4-6: Keep the Long Belt flat and thread the Long Belt into the gearbox in the QuiltMotion Motor Plate from the bottom until it comes out the top of the Bottom Carriage.

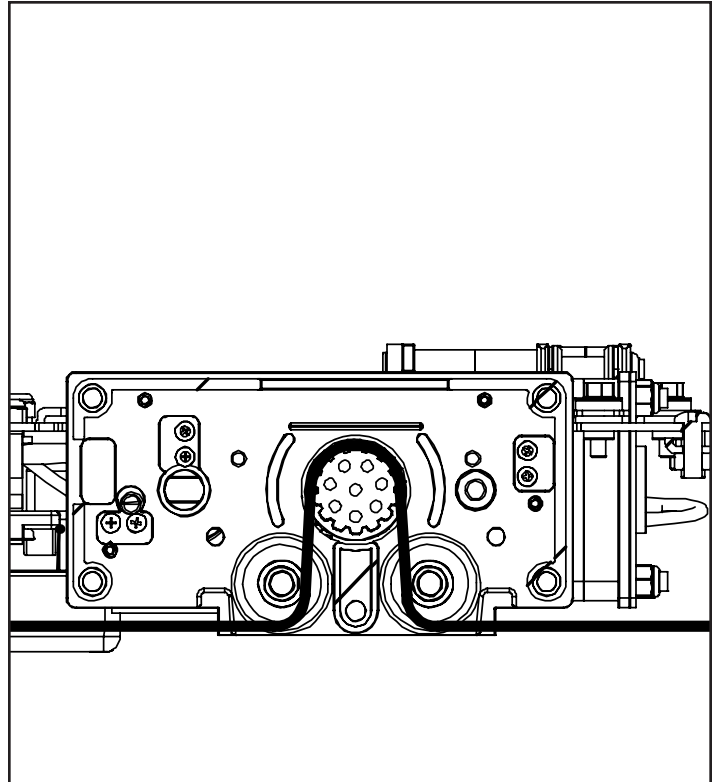


4-7: Loop the Long Belt over and feed it back through the gear box and back out the bottom of the Bottom Carriage.

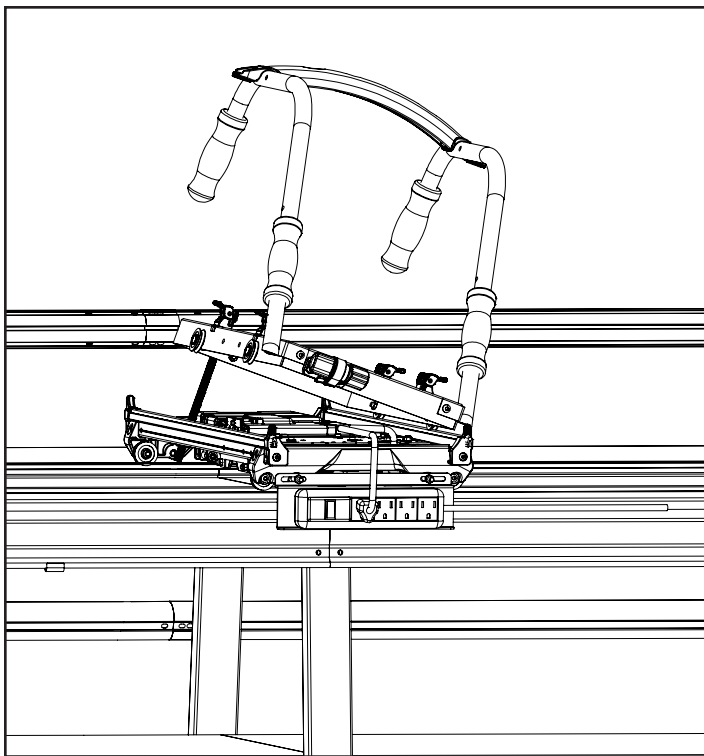


4-8: Pull the rest of the Long Belt through the QuiltMotion Motor Plate.

**Note:** Do not insert the belt into the Belt Tensioner Assembly yet.

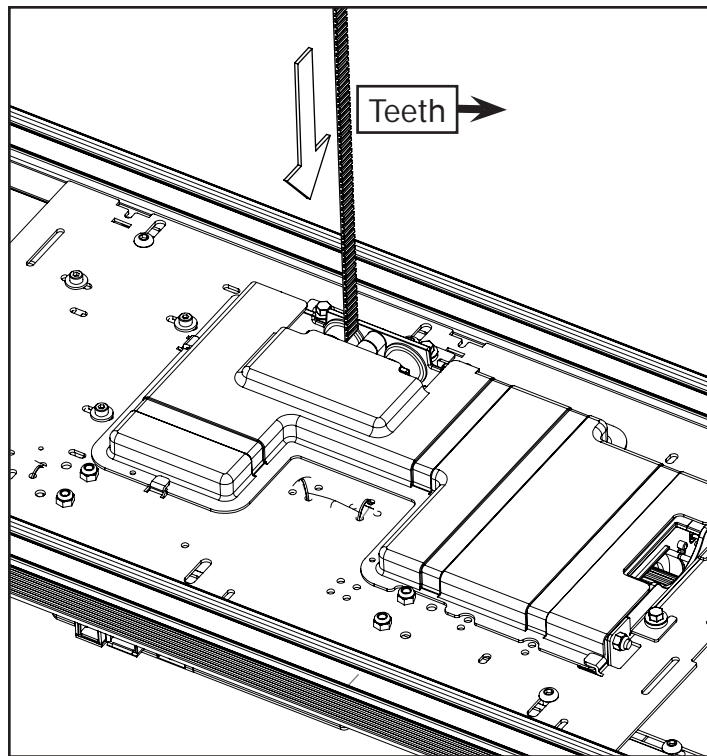


4-9: Belt will be routed as shown.



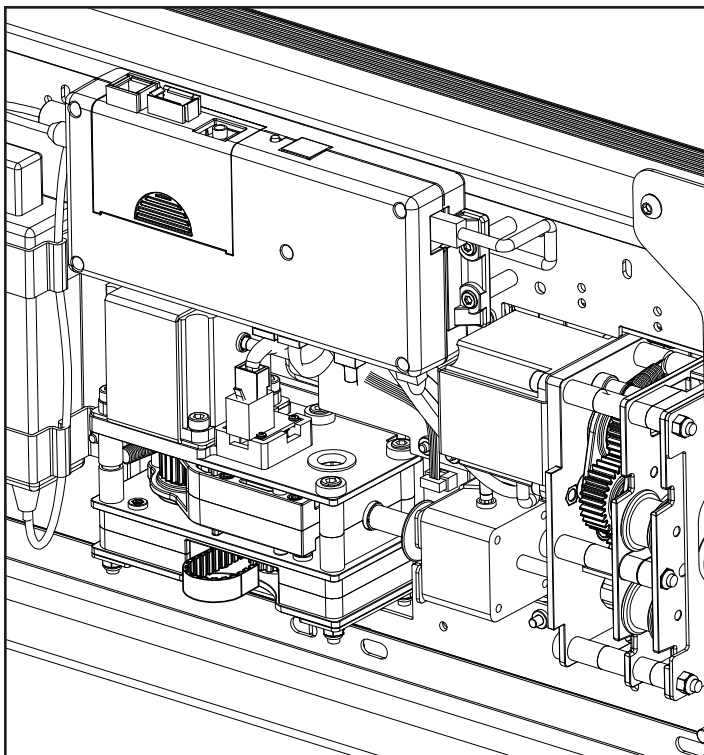
**4-10:** Place the Sewing Machine or Top Plate at an angle on the carriage.

**Note:** This step will require 2 people.



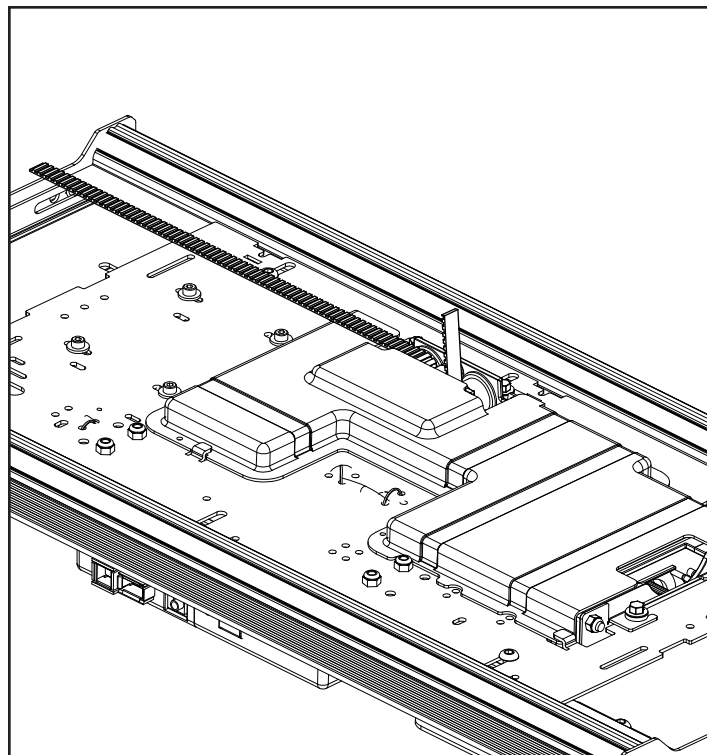
**4-11:** Thread the free end of the Short Belt into the gear box in the QuiltMotion Motor Plate from the top until it comes out the bottom of the carriage.

**Note:** Keep the belt flat without any twists.

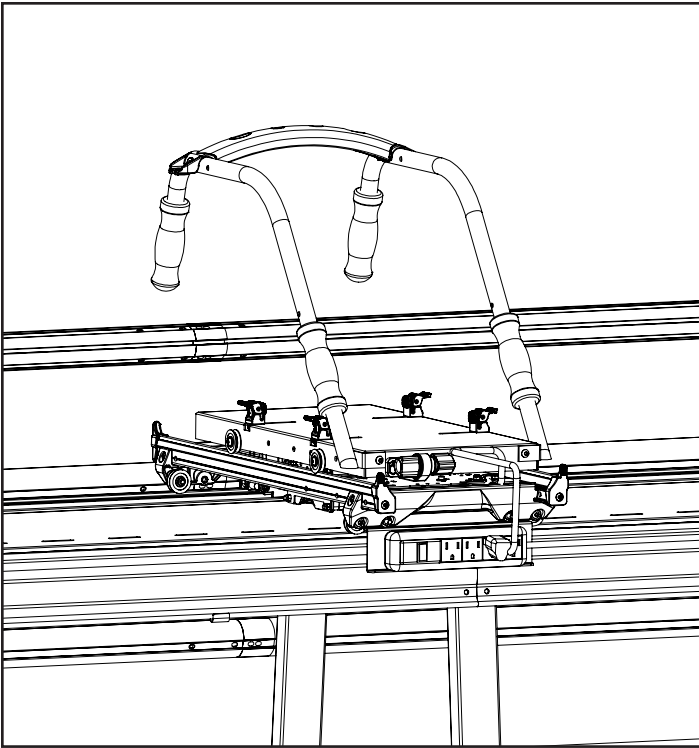


**4-12:** Loop the Short Belt over and feed it back through the gear box and back out the top of the Bottom Carriage.

**Note:** The belt teeth should be facing towards the gear teeth.

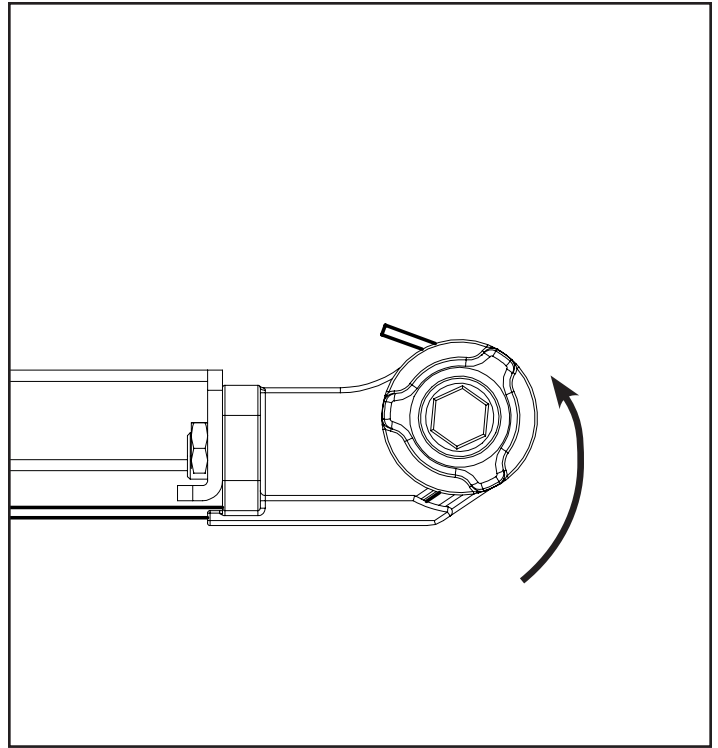


**4-13:** Pull the rest of the Short Belt through the QuiltMotion Motor Plate.



**4-14:** Place the Sewing Machine or Top Plate wheels on the Bottom Carriage and the Bottom Carriage onto the frame track.

**Note:** Re-install the Thread Stand onto your machine. See your machine manual for instructions.

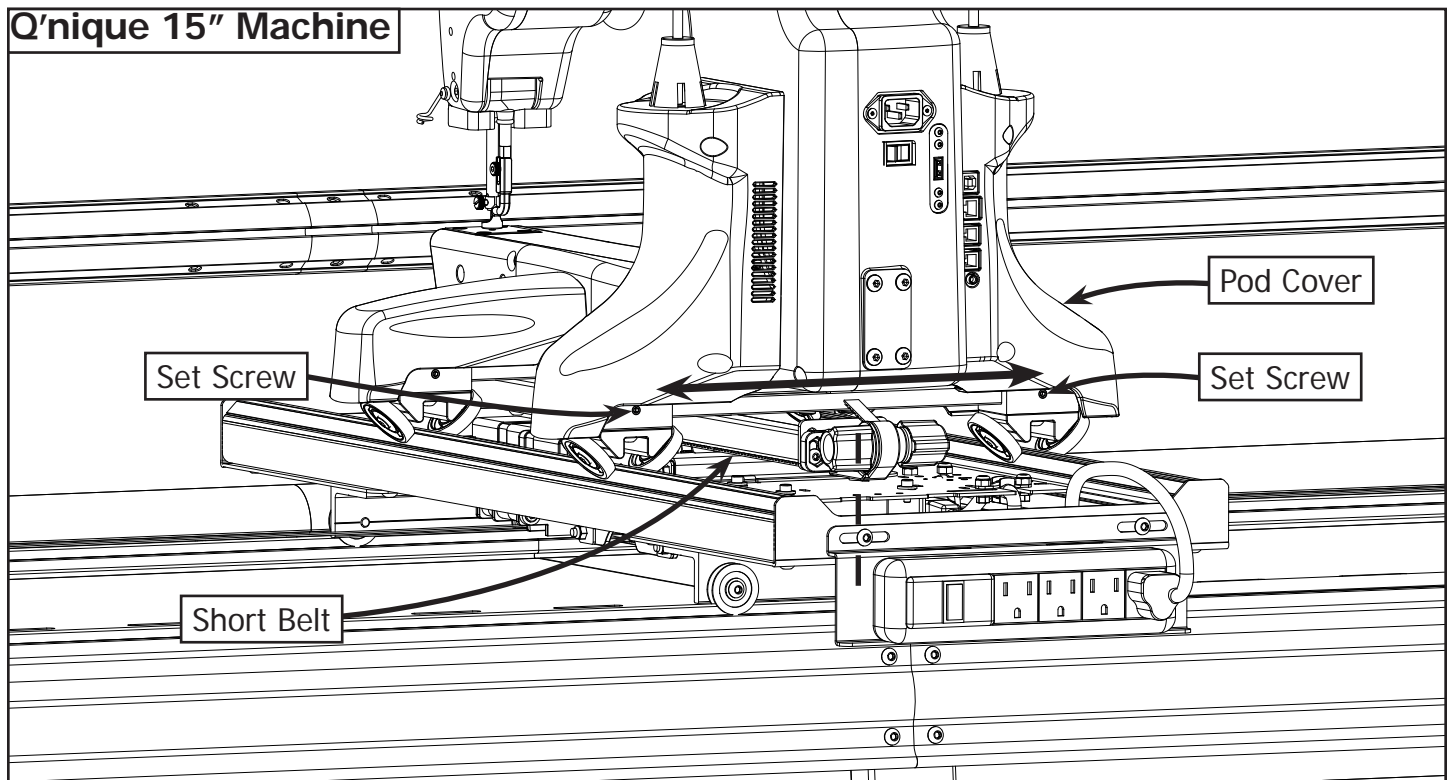


**4-15:** Feed the free end of the Short Belt into the Belt Tensioner. Turn the right knob to tighten the belt all the way through the Tensioner. Once the belt is tight rotate the left knob clockwise to lock it in place.

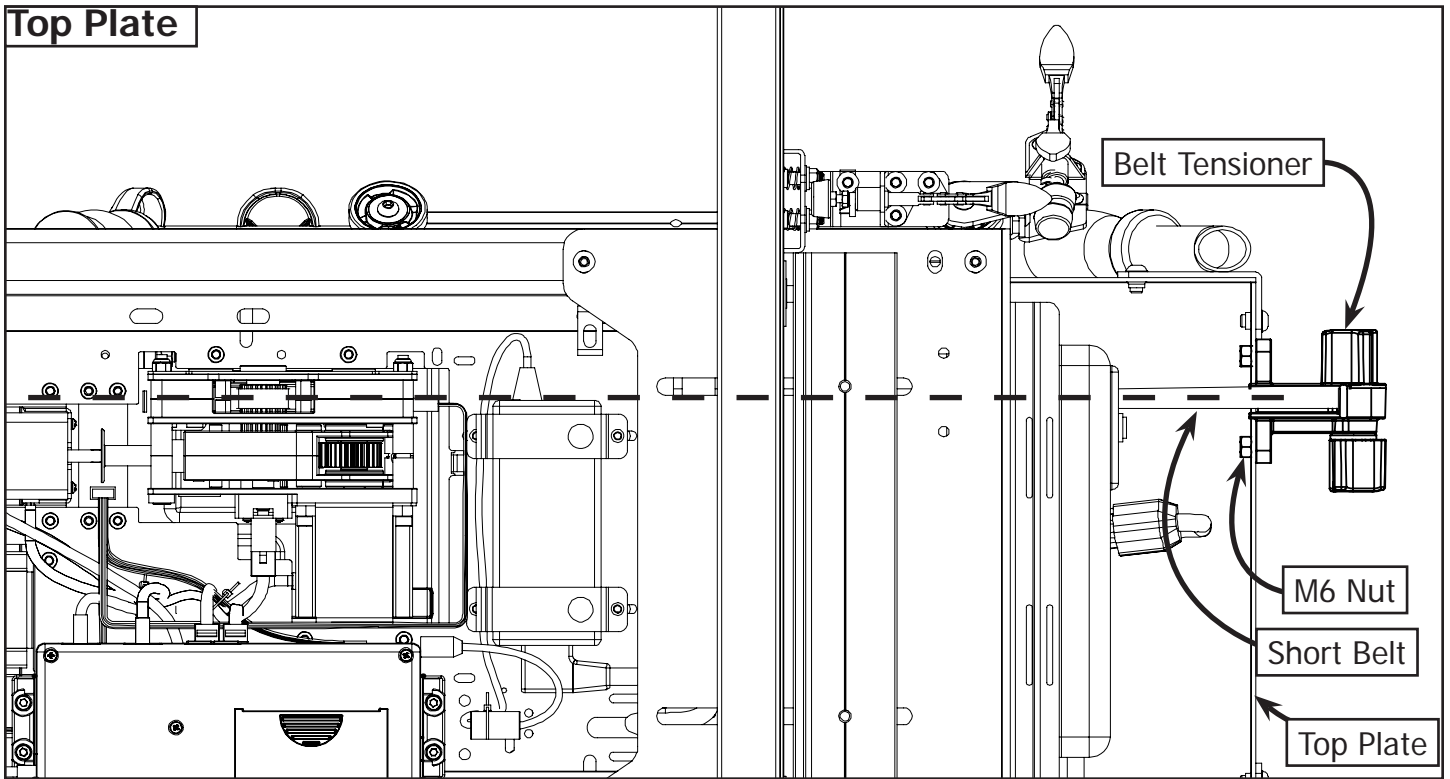
## Step 5 – Aligning the Belts

Tools Needed:

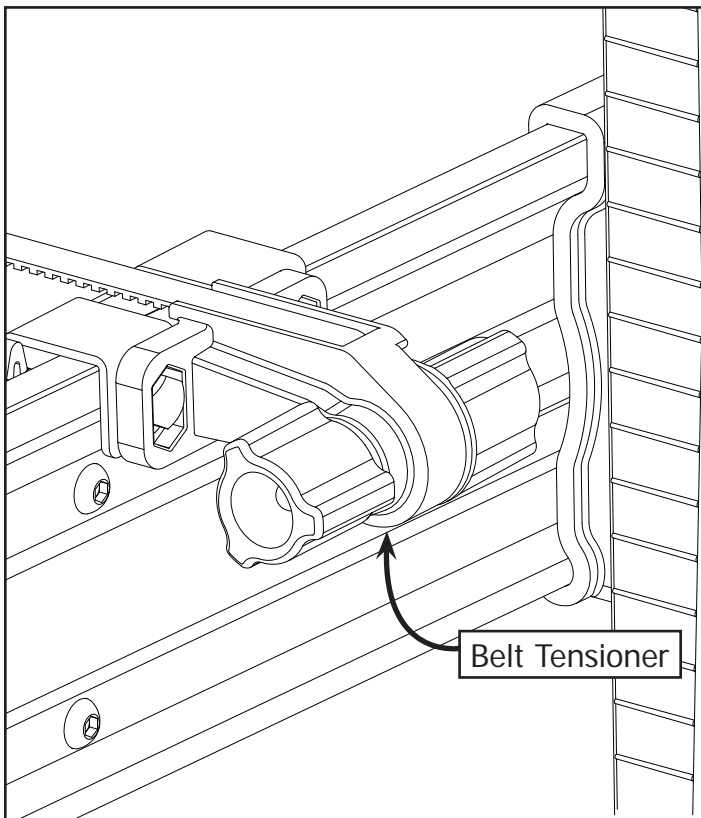
3mm Allen Wrench



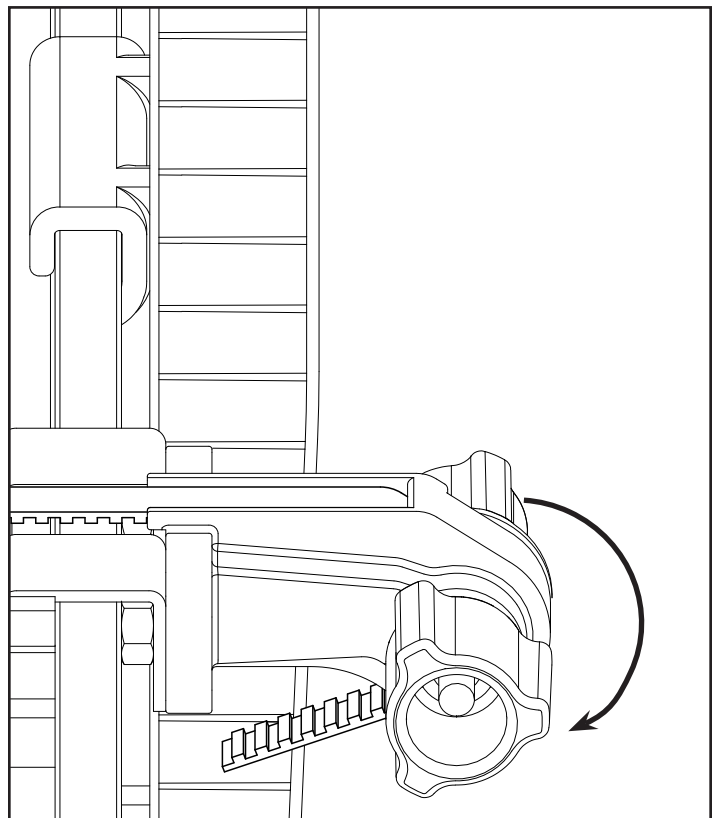
**5-1a:** Check the alignment of the short belt attached to the Top Belt Bracket. If it is bowed to one side loosen the set screws on the front and back wheels, and shift the machine until the belt is straight. Re-tighten the set screws and re-install the Pod Covers if they were removed.



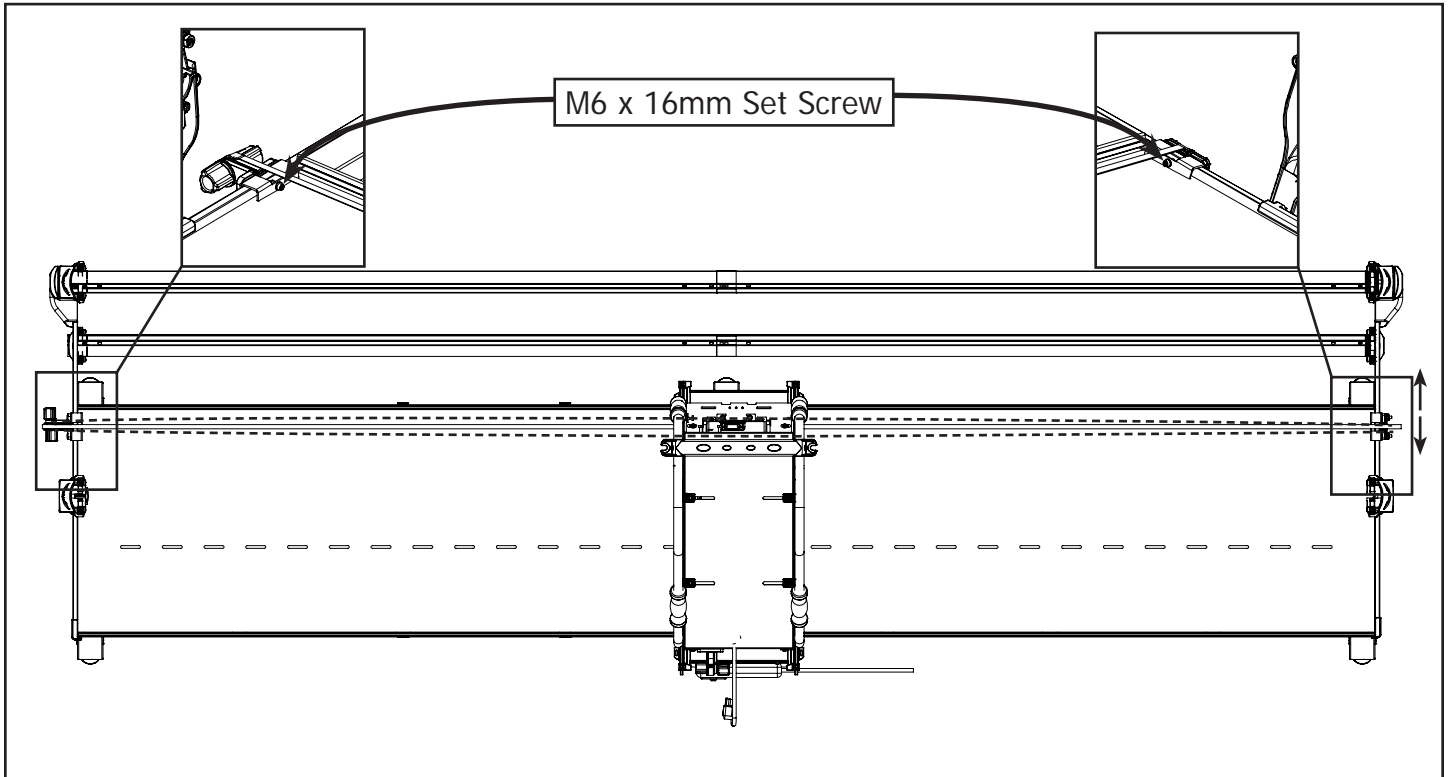
**5-1b:** Check the alignment of the belt attached to the Top Plate. If it is bowed to one side move the Top Plate as far back as possible. Loosen the (2) M6 Nuts on the Belt Tensioner and adjust until the Short Belt is aligned with the Motor Plate.



**5-2:** Insert the free end of the Long Belt into the Belt Tensioner Assembly.



**5-3:** Twist the right Belt Tensioner knob to tighten the belt. Once the belt is tight rotate the left knob clockwise to lock it into place.

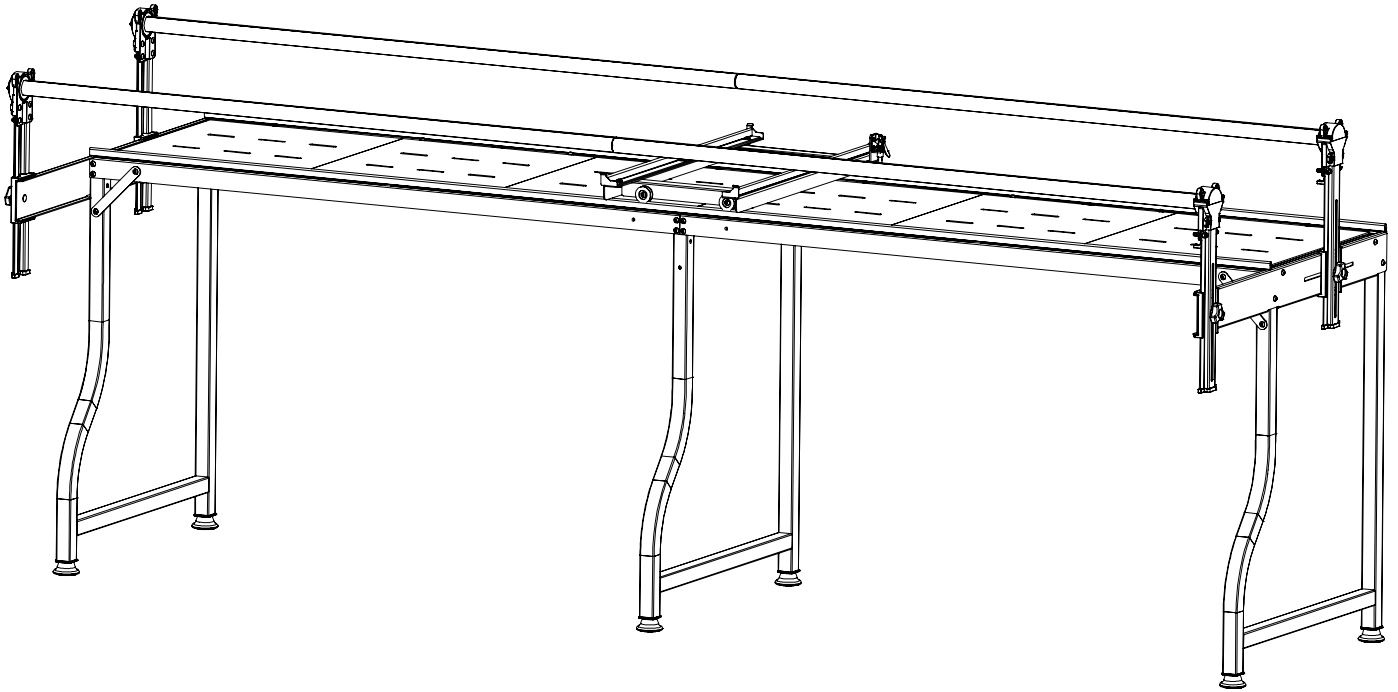


**5-4:** Loosen the M6 x 16mm Set Screws from steps 4-2 and 4-4. Adjust the Belt Brackets to make sure there is no bow in the Long Belt. Once the Long Belt is straight tighten the M6 x 16mm Set Screws.

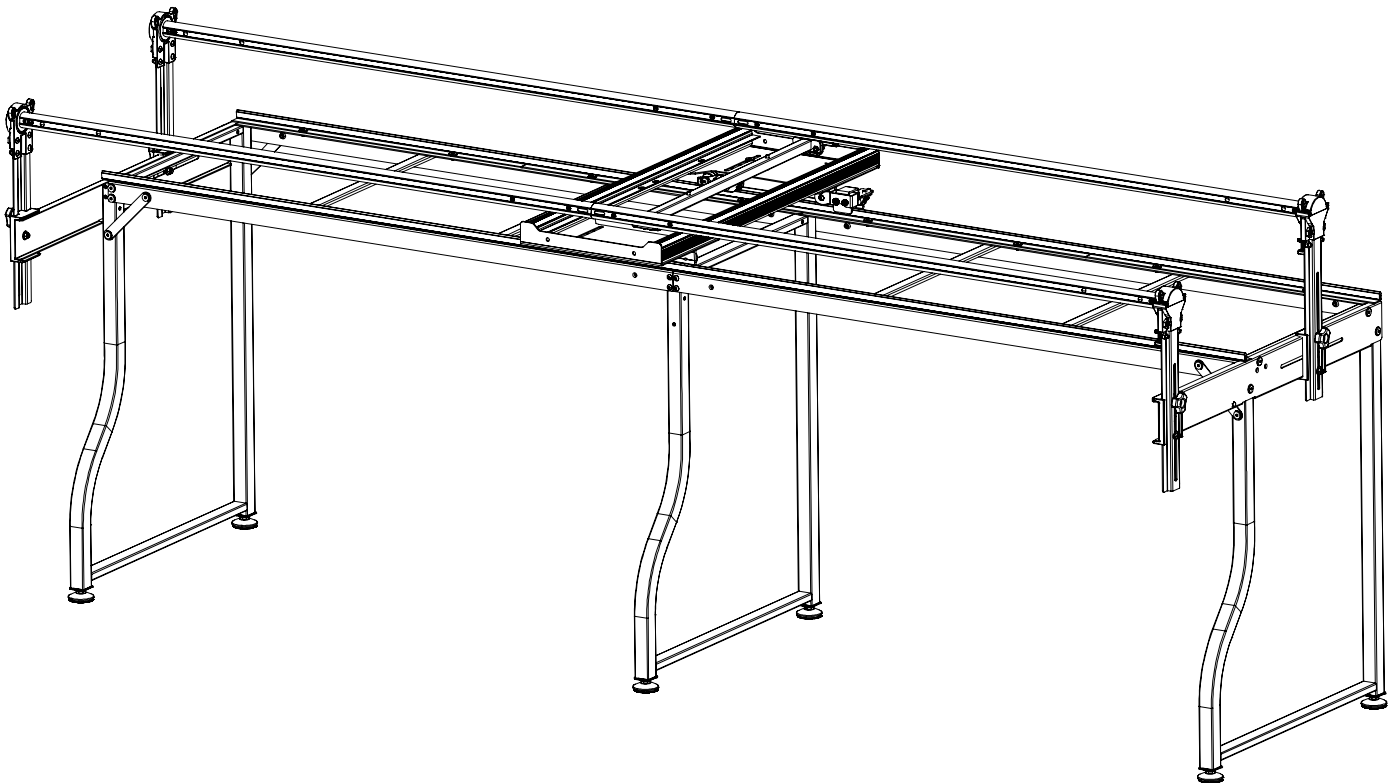


**\*See Your QCT and Wiring Instructions Booklet\***

## SR2 Frame | QuiltMotion



## SR2+ Frame | QuiltMotion



## Table of Contents | SR2 & SR2+ Frames

### Bottom Carriage

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Step 1b: Pro Carriage Motor Plate Installation: .....	page 101
Step 2b: Pro Carriage Power Strip Installation:.....	page 102

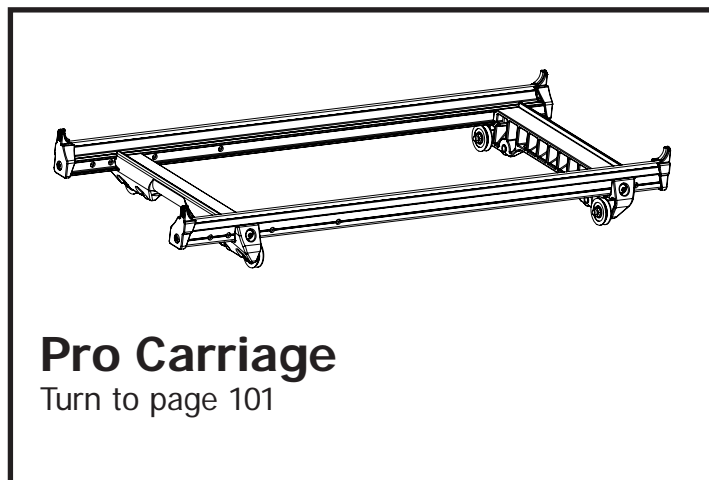
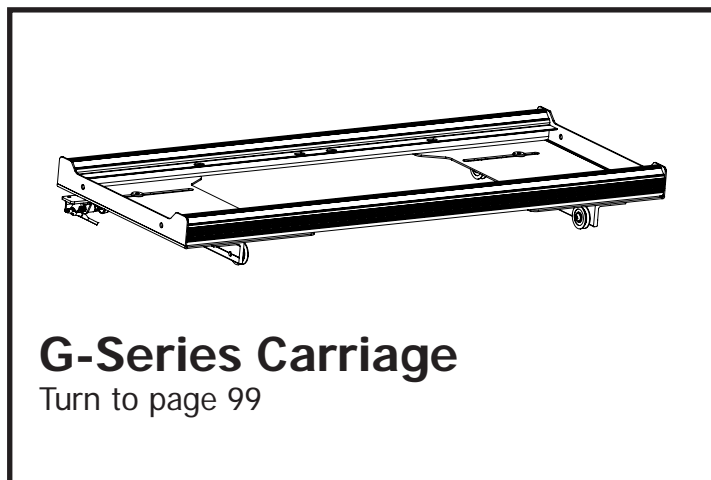
### Top Belt Bracket

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### SR2 & SR2+ Frame

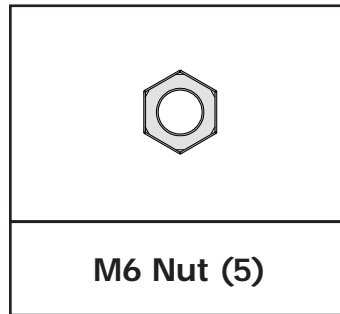
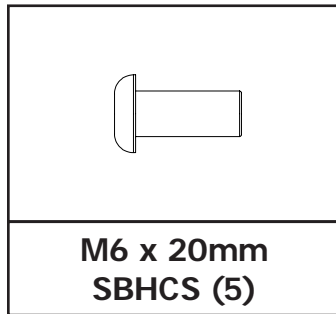
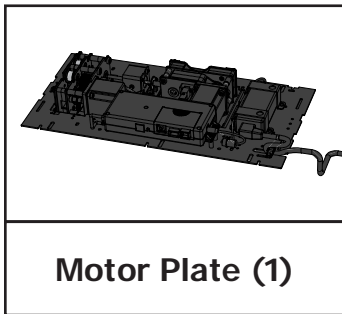
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## Choose your Carriage



## Step 1a – Motor Plate Installation - G-Series Carriage

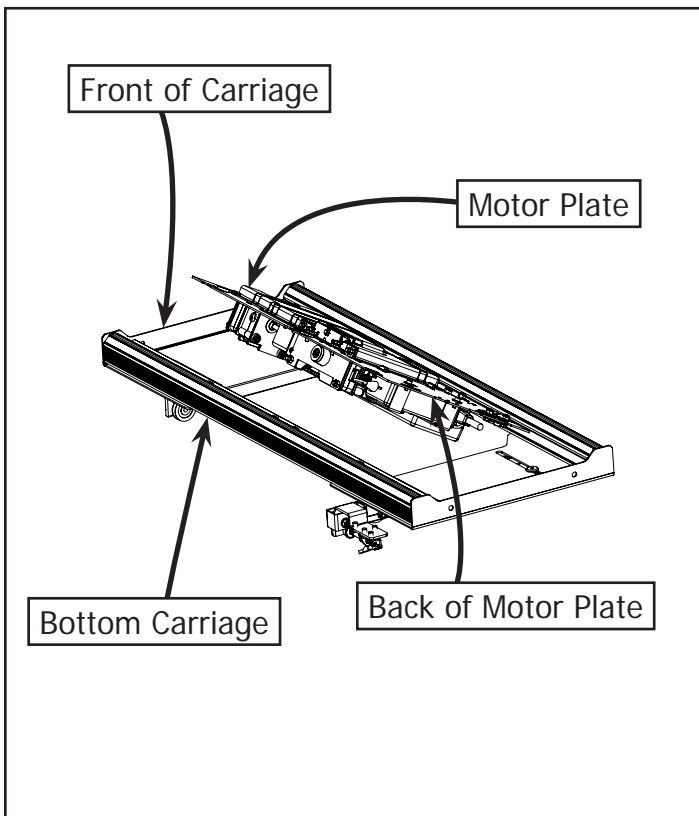
Parts Needed:



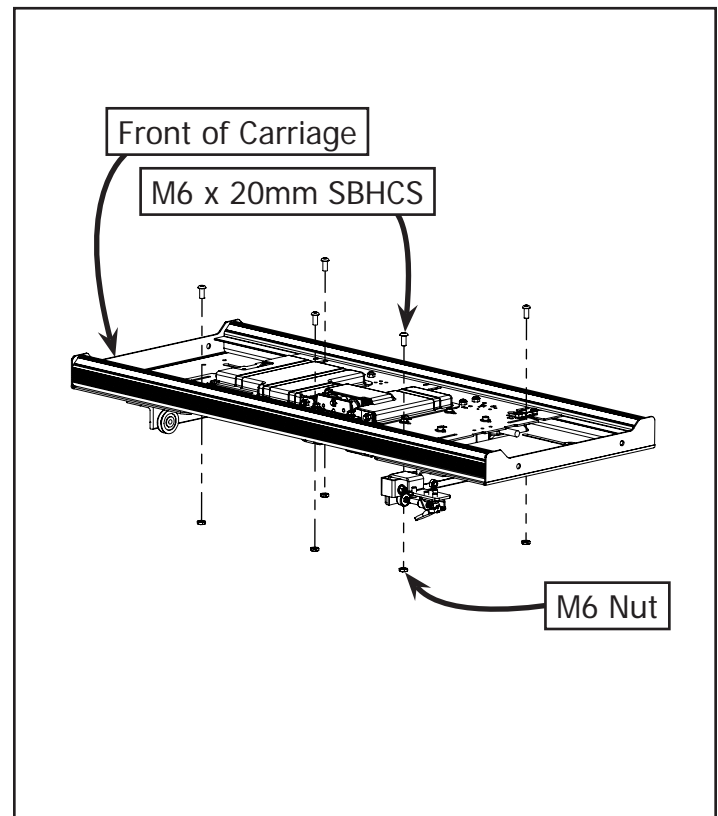
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



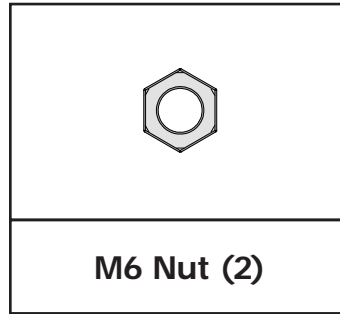
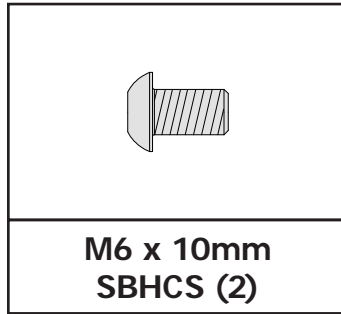
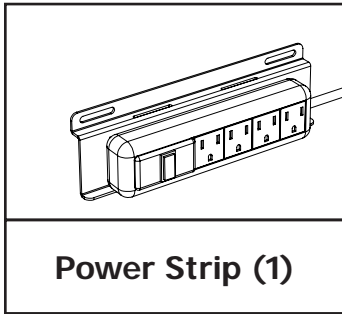
**1-1a:** Insert the Motor Plate into the Bottom Carriage at an angle.



**1-2a:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS and (5) M6 Nuts through the slots in the Bottom Carriage.

## Step 2a – Power Strip Installation - G-Series Carriage

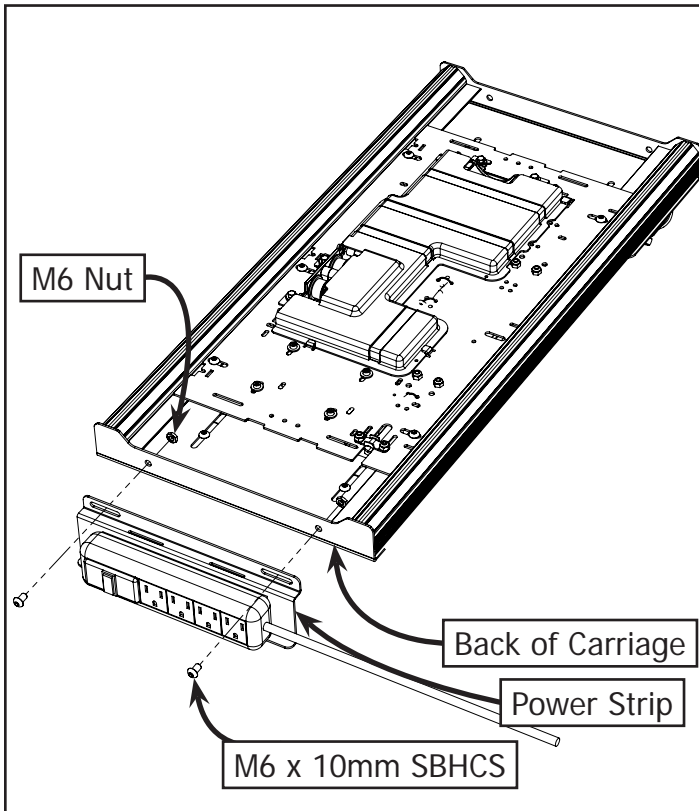
Parts Needed:



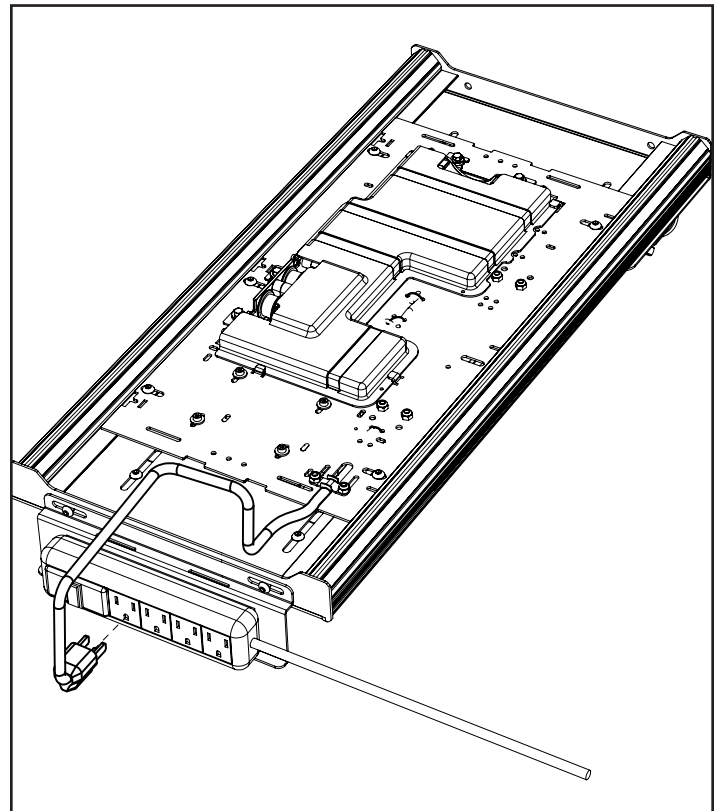
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



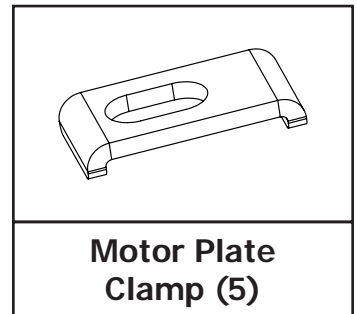
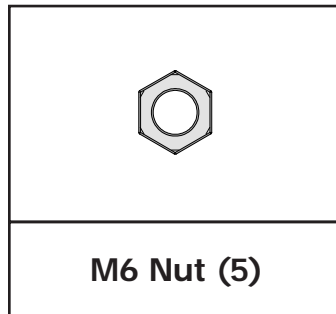
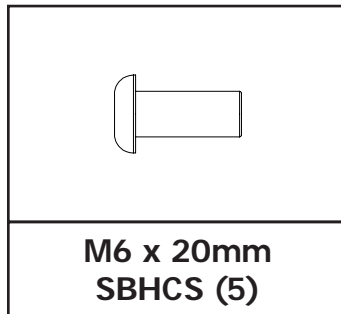
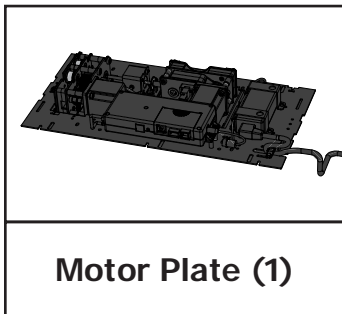
**2-1a:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.



**2-2a:** Plug the Motor Plate into the Power Strip.

## Step 1b – Motor Plate Installation - Pro Carriage

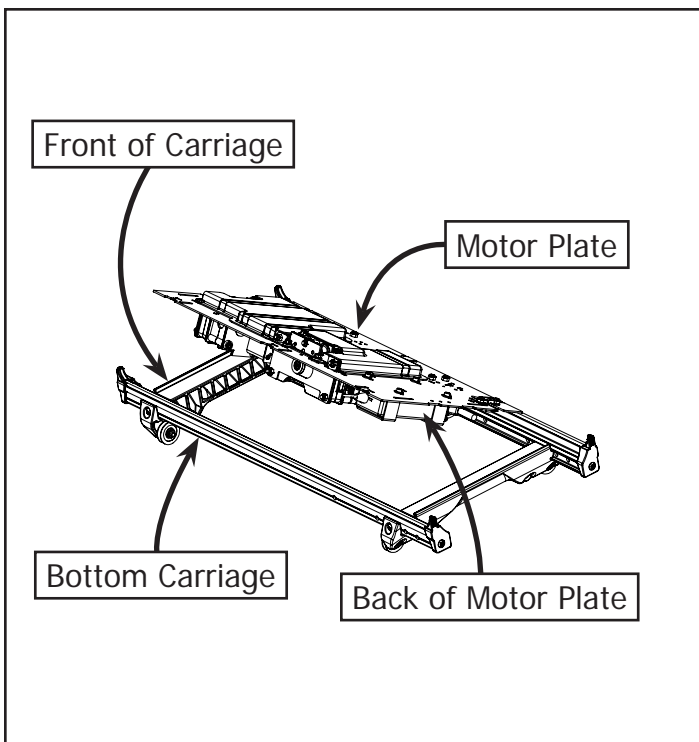
Parts Needed:



Tools Needed:

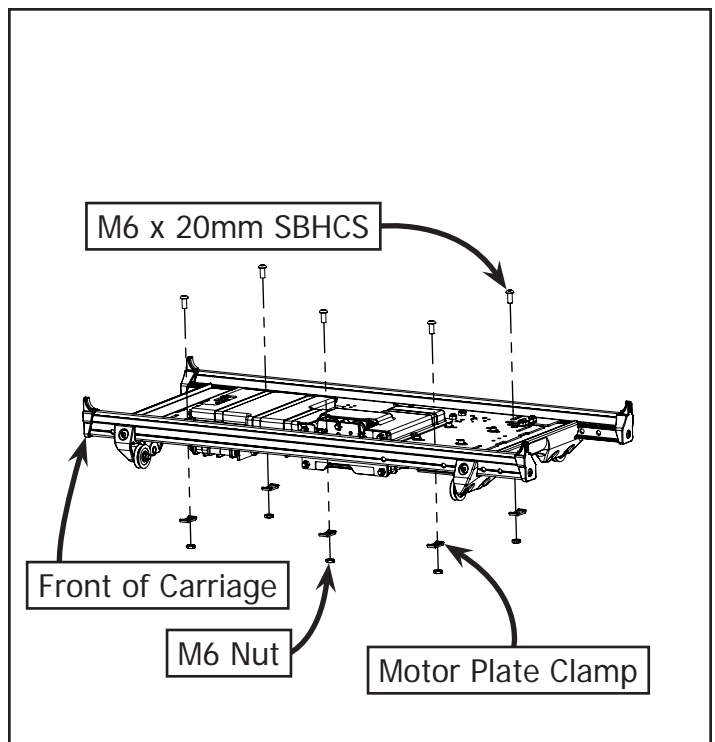
4mm Allen Wrench

10mm & 13mm Box End Wrench



**1-1b:** Insert the QuiltMotion Motor Plate into the Bottom Carriage at an angle.

**Note:** If Motor Plate will not fit, remove foam.

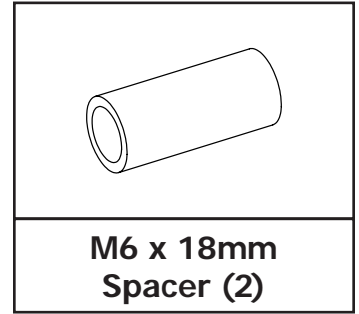
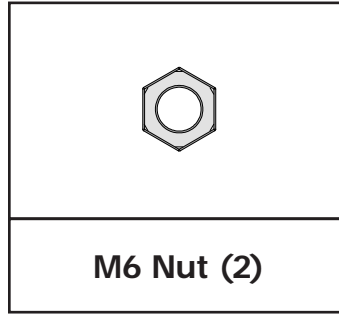
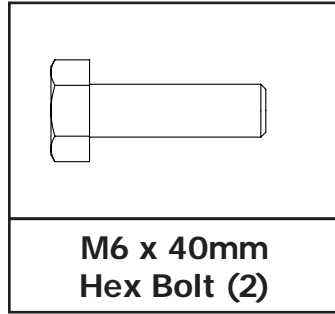
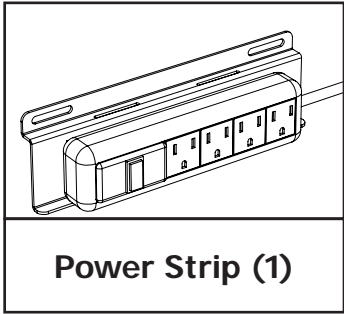


**1-2b:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS, (5) Motor Plate Clamps, and (5) M6 Nuts.

**Note:** Make sure the Motor Plate is centered in the Carriage.

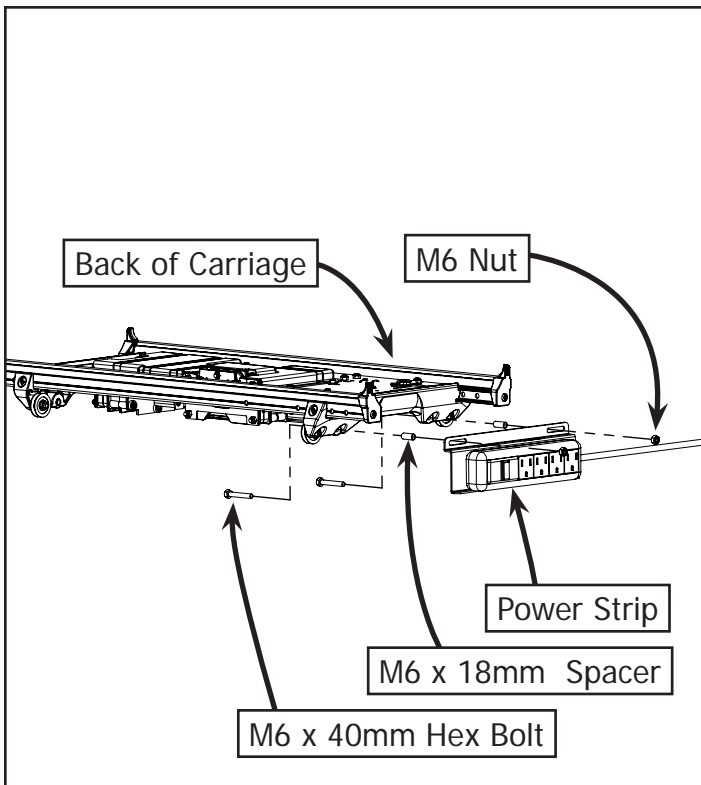
## Step 2b – Power Strip Installation - Pro Carriage

Parts Needed:

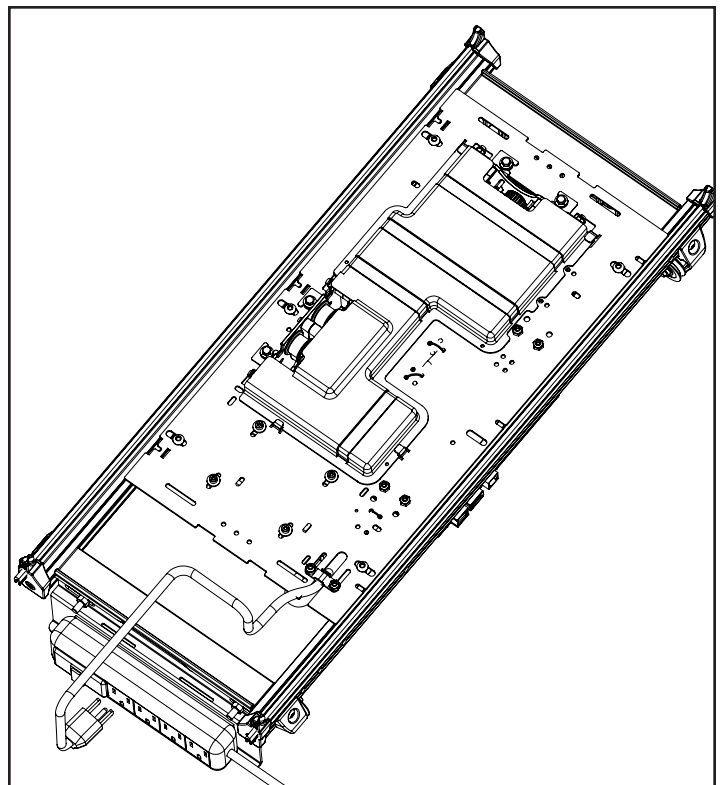


Tools Needed:

10mm & 13mm Box End Wrench



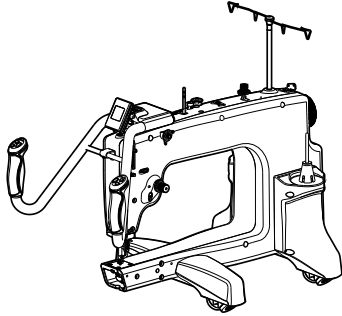
**2-1b:** Attach the Power Strip to the Bottom Carriage and center it on the end using (2) M6 x 40mm Hex Bolts, (2) M6 x 18mm Spacers, and (2) M6 Nuts.



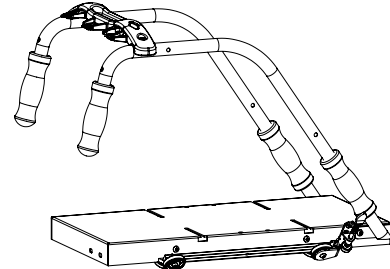
**2-2b:** Plug the QuiltMotion Motor Plate into the Power Strip.

## Step 3 – Choose your Machine or Top Plate.

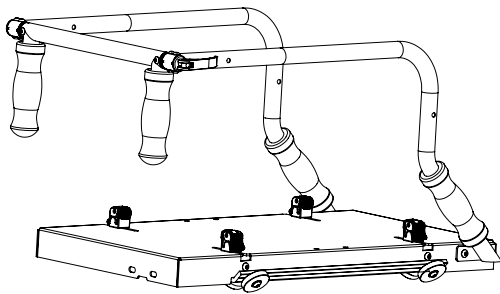
Proceed to the page number associated with your Machine or Top Plate.



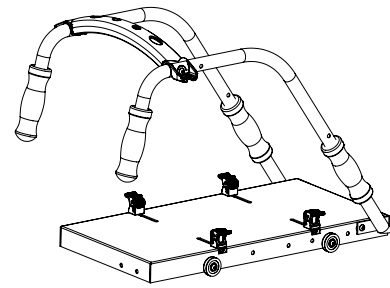
**Q'nique 15**  
Turn to page 104



**G-Series Top Plate**  
Turn to page 106



**G-Series 2 Top Plate**  
Turn to page 106

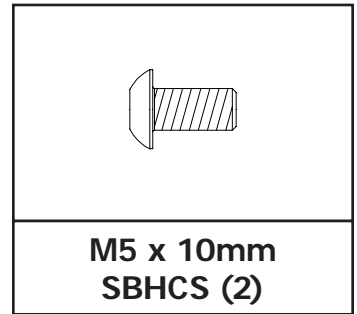
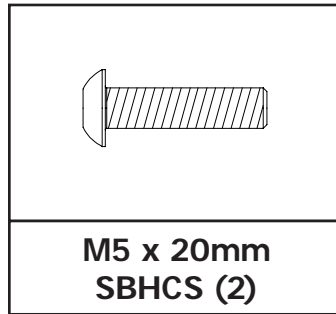
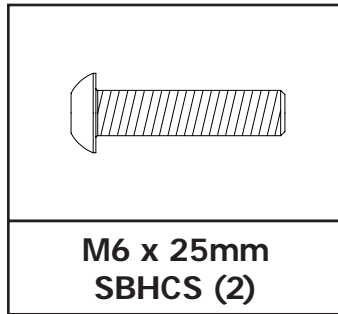
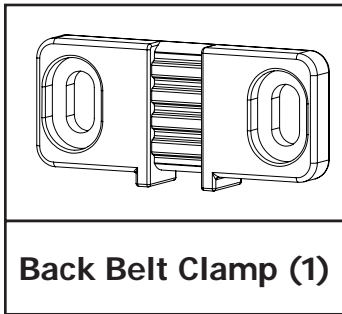
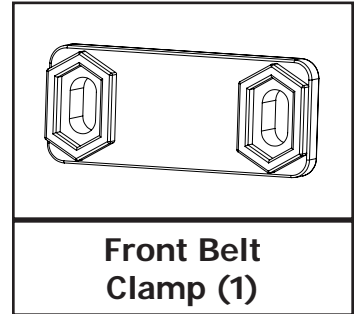
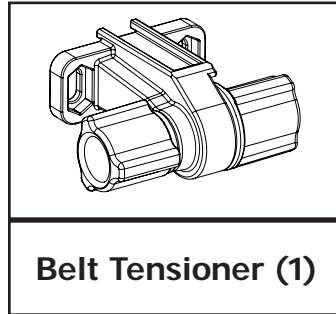
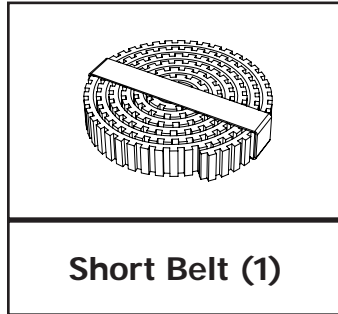
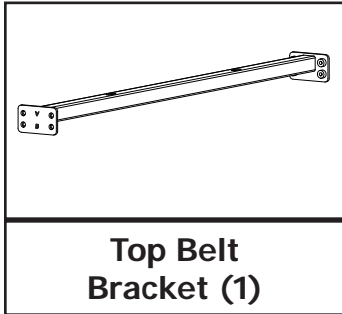


**Pro Carriage Top Plate**  
Turn to page 106



### Step 3a – Short Belt Installation - Q'nique 15"

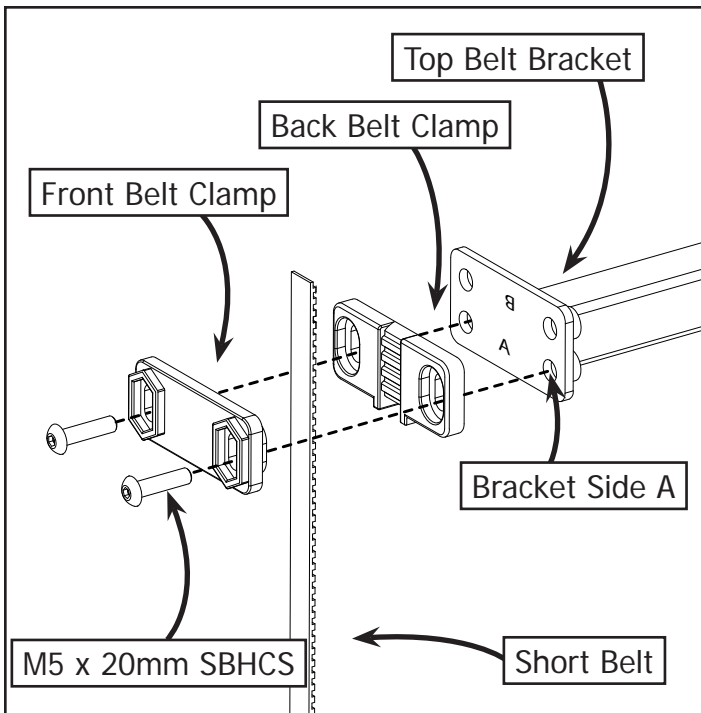
Parts Needed:



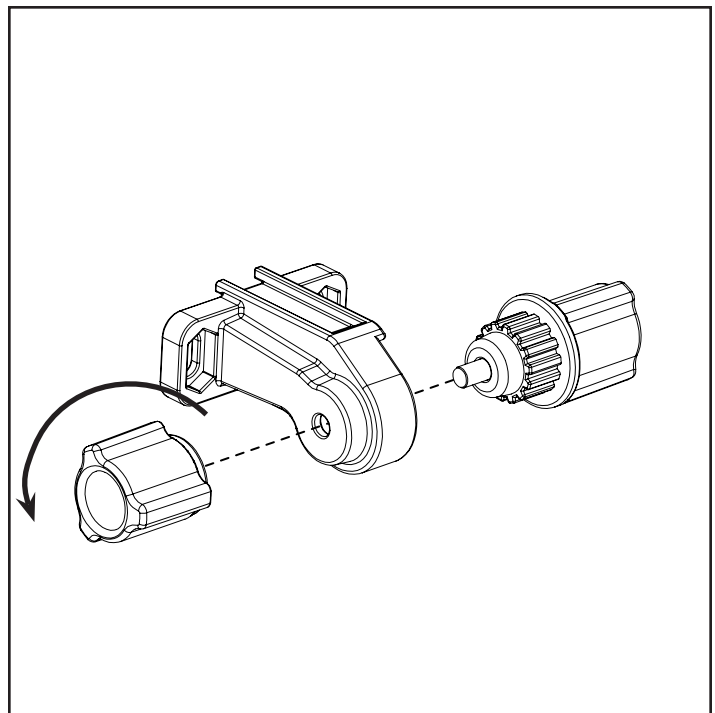
Tools Needed:

3mm Allen Wrench

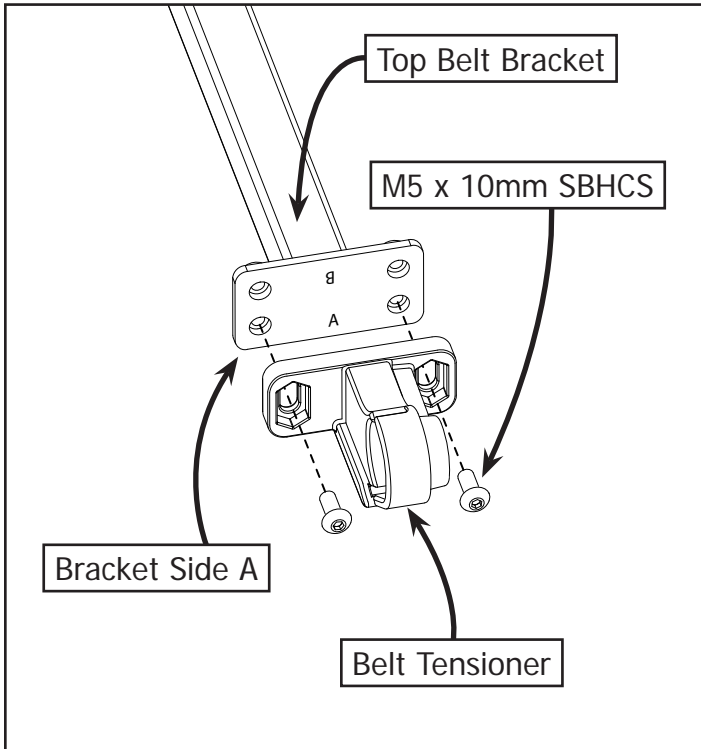
4mm Allen Wrench



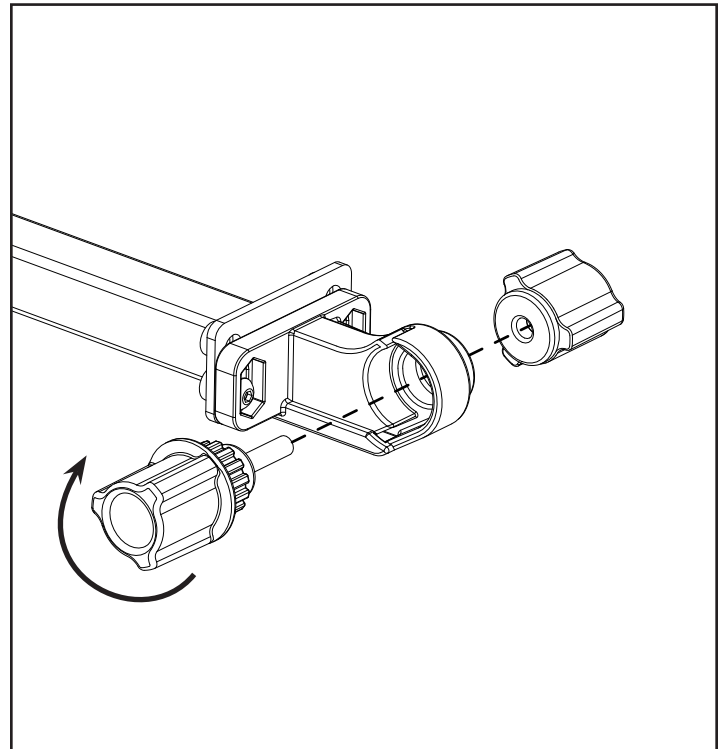
**3-1a:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side A.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.



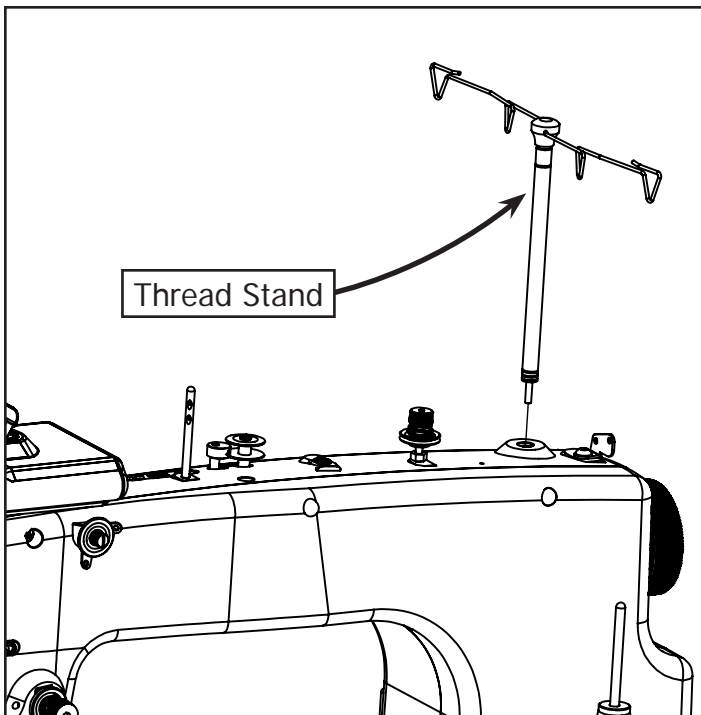
**3-2a:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



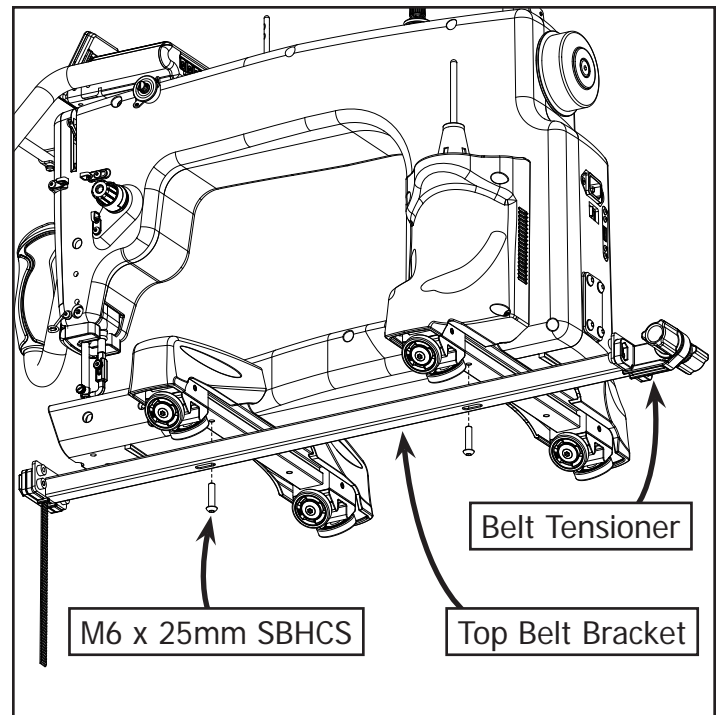
**3-3a:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side A using (2) M5 x 10mm SBHCS.



**3-4a:** Re-Install the Belt Tensioner Knobs.



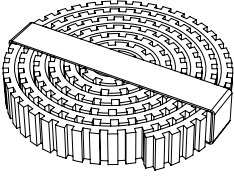
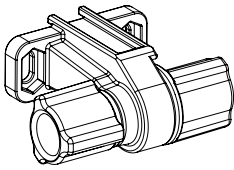
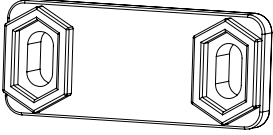
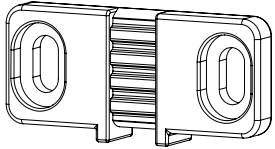
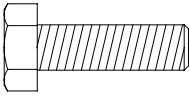
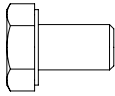

**3-5a:** Remove the Thread Stand from your machine. See your machine manual for instructions.



**3-6a:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.

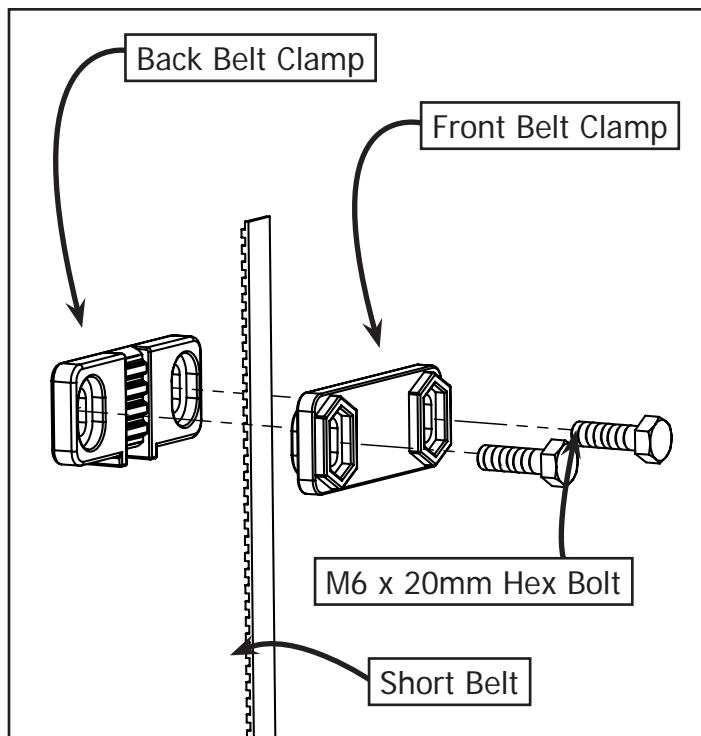
## Step 3b – Short Belt Installation - Top Plate

Parts Needed:

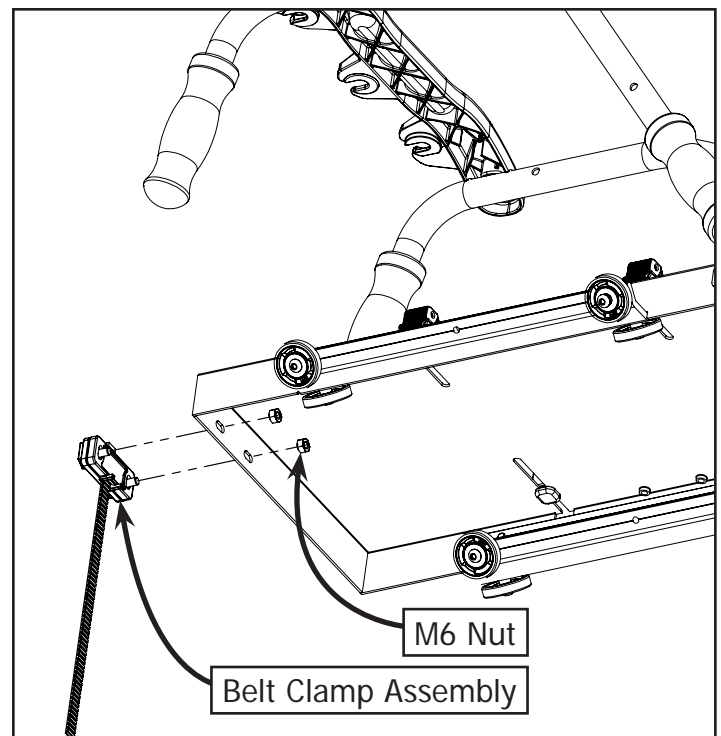
			
<b>Short Belt (1)</b>	<b>Belt Tensioner (1)</b>	<b>Front Belt Clamp (1)</b>	<b>Back Belt Clamp (1)</b>
			
<b>M6 x 20mm Hex Bolt (2)</b>	<b>M6 x 10mm Hex Bolt (2)</b>	<b>M6 Nut (4)</b>	

Tools Needed:

10mm & 13mm Open End Wrench

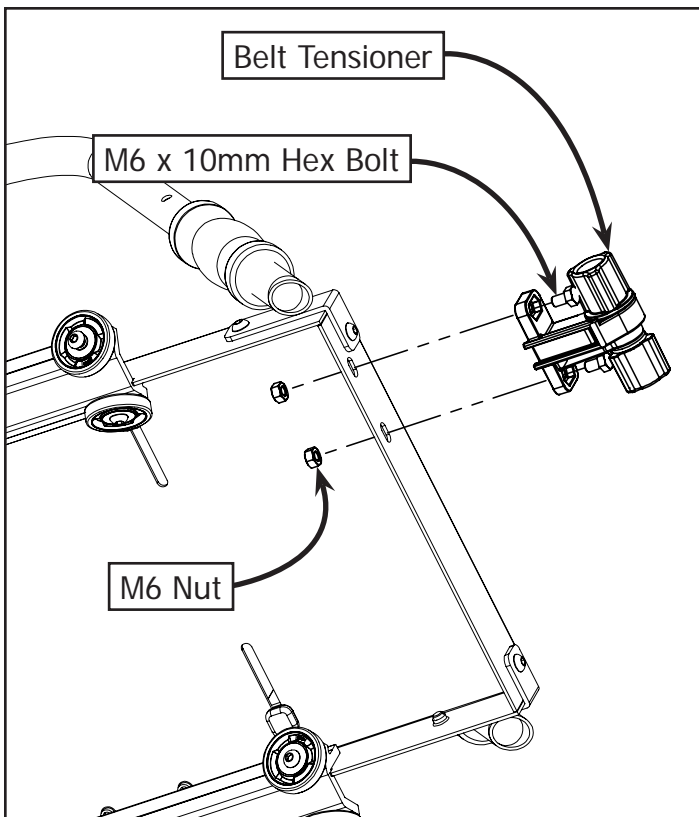


**3-1b:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and place (2) M6 x 20mm Hex Bolts through the Belt Clamp.



**3-2b:** Assemble the completed assembly (from Step 3-1b) to the front end of the Top Plate using (2) M6 Nuts.

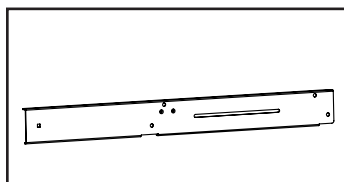
**Note:** The teeth of the belt should be facing towards the Top Plate.



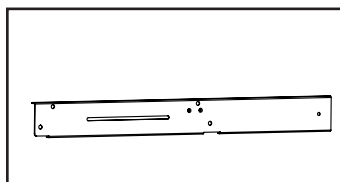
**3-3b:** Assemble the Belt Tensioner onto the opposite end of the Top Plate using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.

## Step 4 - Long Belt Installation

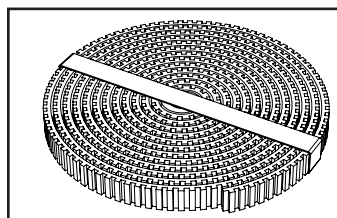
Parts Needed:



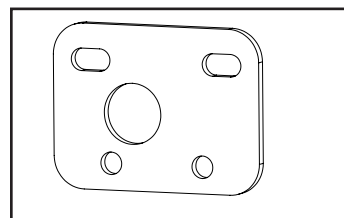
SR2+ Frame End Right (1)  
(Not Included)



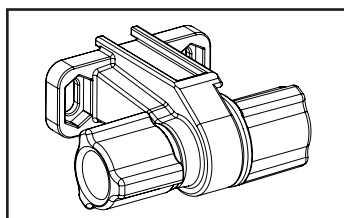
SR2+ Frame End Left (1)  
(Not Included)



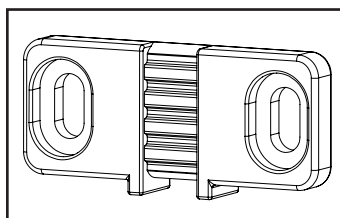
Long Belt (1)



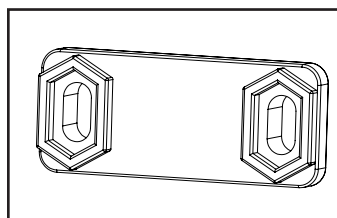
SR2 & SR2+ Belt Bracket (2)



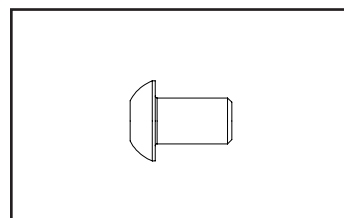
Belt Tensioner (1)



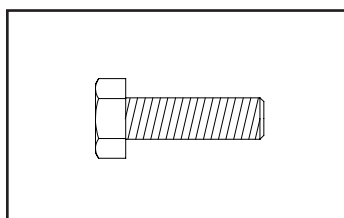
Back Belt Clamp (1)



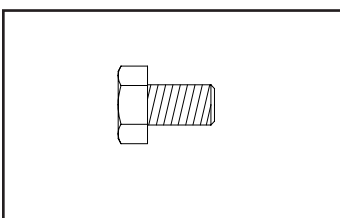
Front Belt Clamp (1)



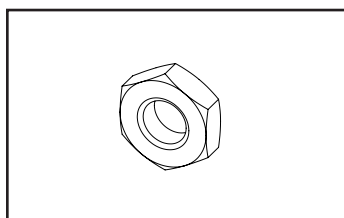
M6 x 10mm SBHCS (4)



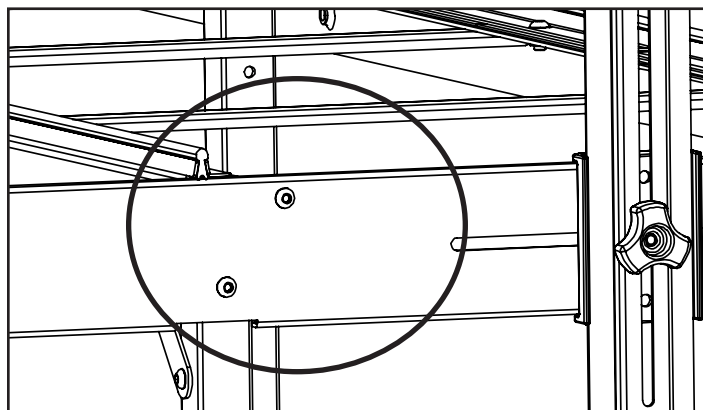
M6 x 20mm Hex Bolt (2)



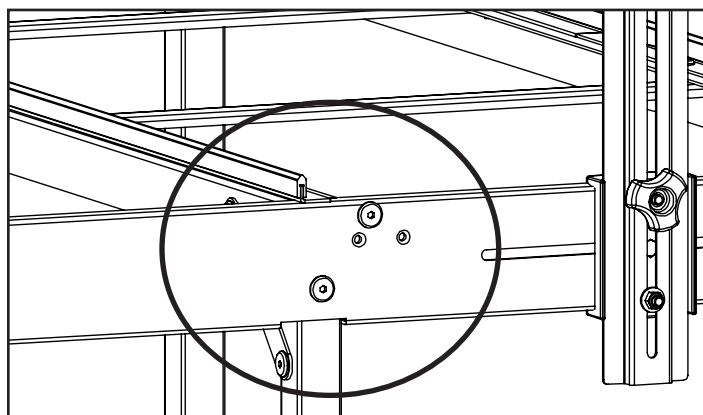
M6 x 10mm Hex Bolt (2)



M6 Nut (4)



SR2 - Proceed to Step 4-2



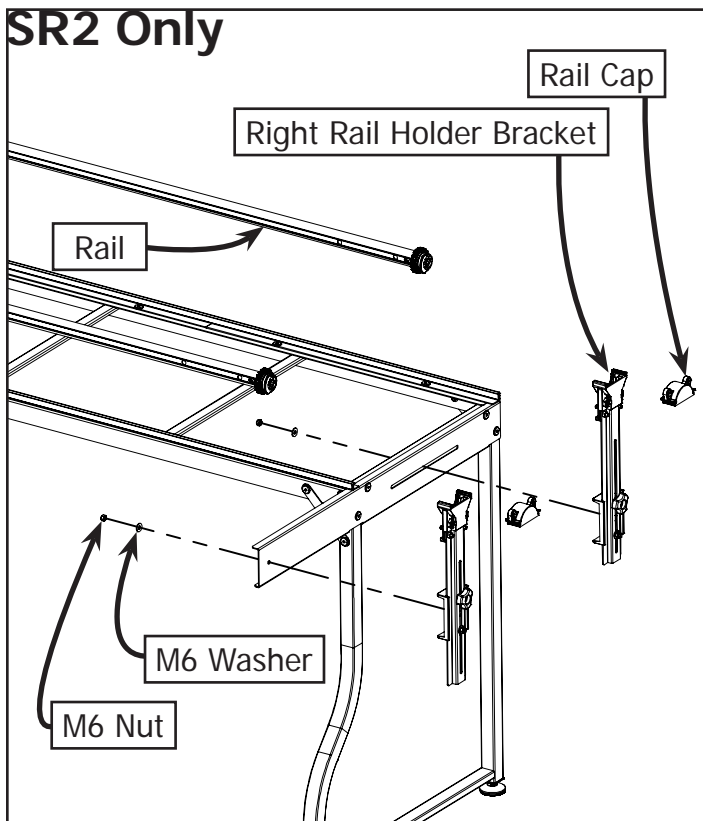
SR2+ - Proceed to Step 4-6

Tools Needed:

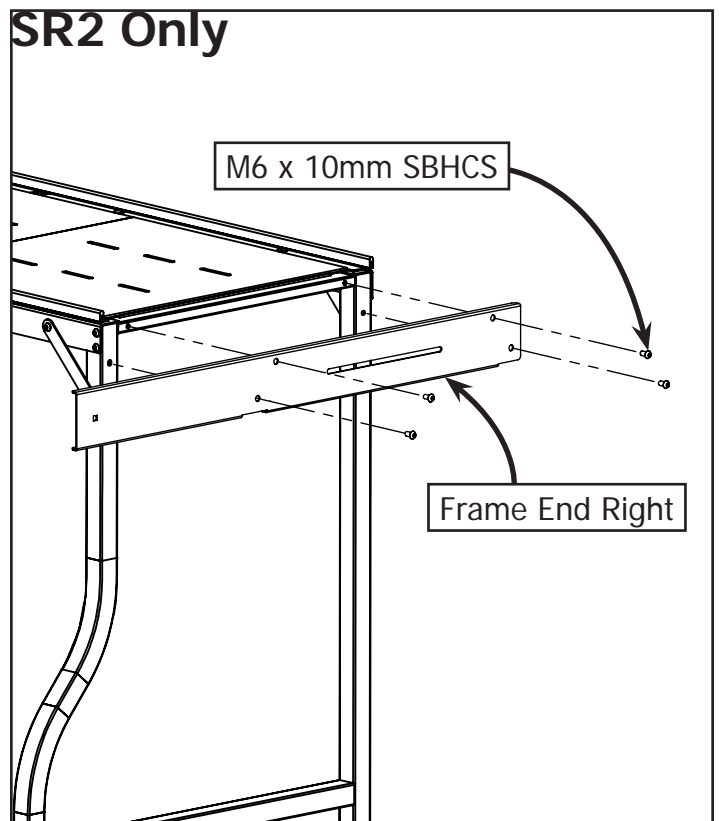
4mm Allen Wrench

Call The Grace Company (1-800-264-0644) to order the SR2+ Frame End Right and SR2+ Frame End Left.

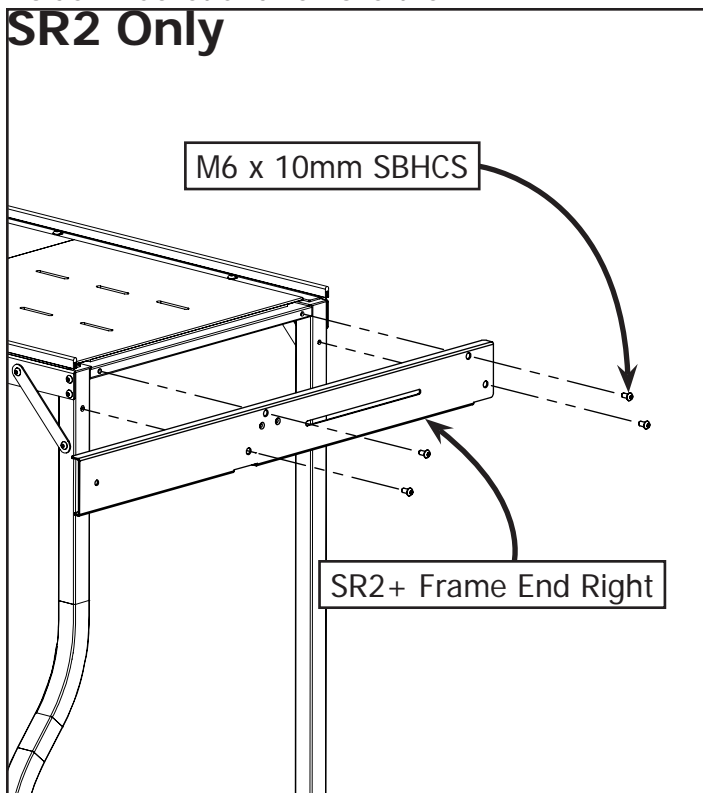
4-1: Identify if you have the SR2 or SR2+ Frame.



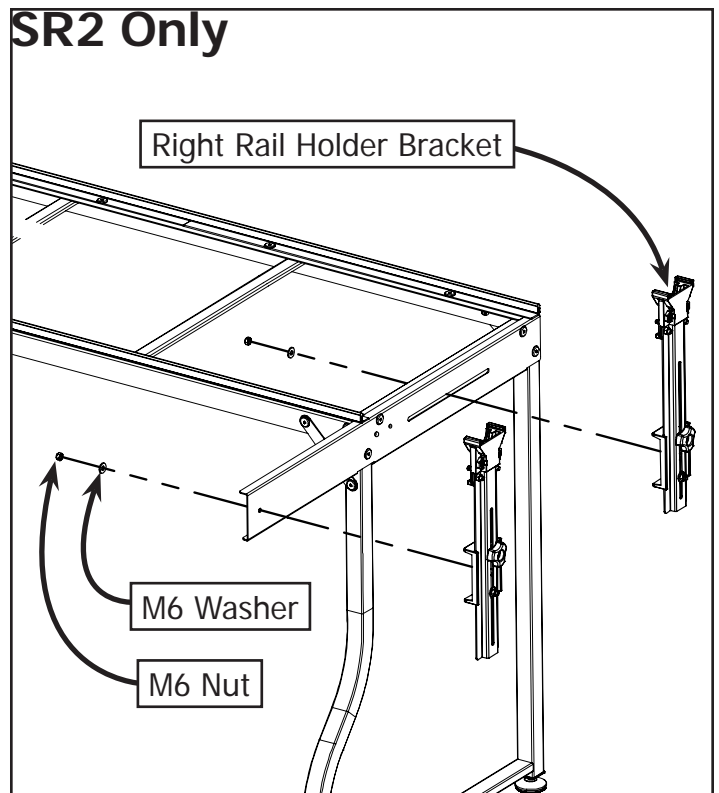
**4-2:** Remove the Rail Caps and Rails. Remove the M6 Nut and M6 Washer from each Right Rail Holder Bracket and remove them.



**4-3:** Remove the (4) M6 x 12mm SBHCS and the Frame End Right

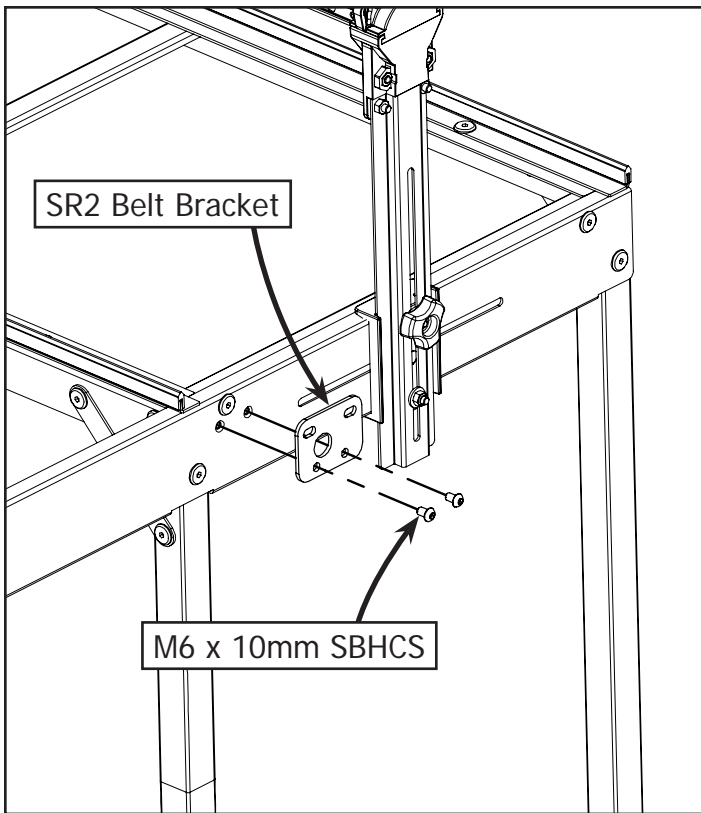


**4-4:** Using the (4) M6 x 12mm SBHCS from step 4-3 install the SR2+ Frame End Right.

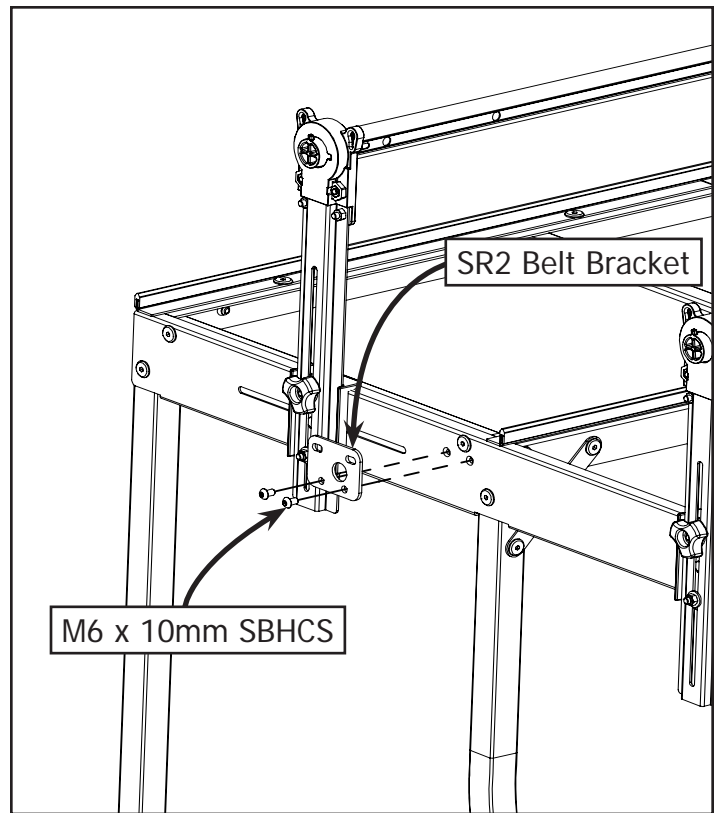


**4-5:** Re-Install the (2) Right Rail Holder Brackets to the frame using the (2) M6 Nuts and (2) M6 Washers from Step 4-2. Repeat Steps 4-2 through 4-5 for the Left Side of the Frame.

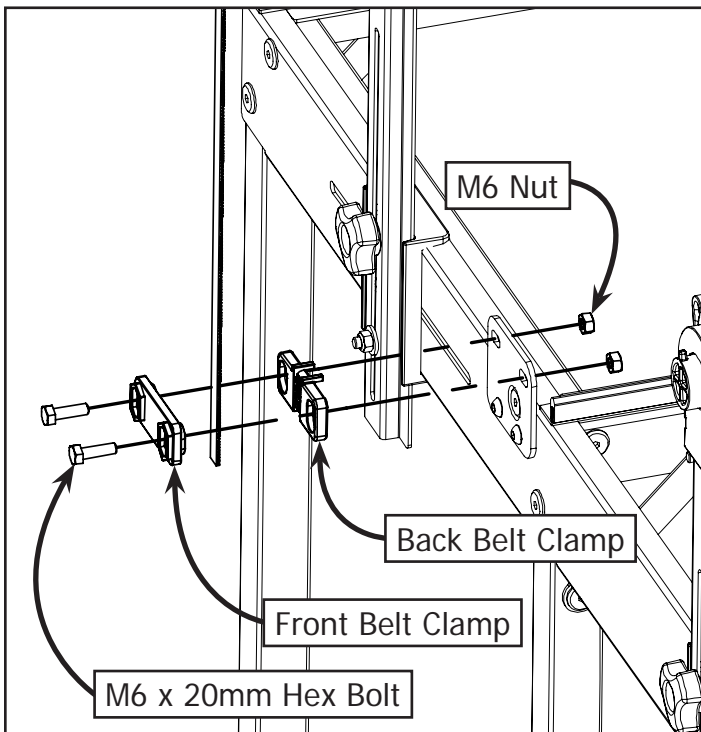
## SR2 & SR2+ Frames | QuiltMotion



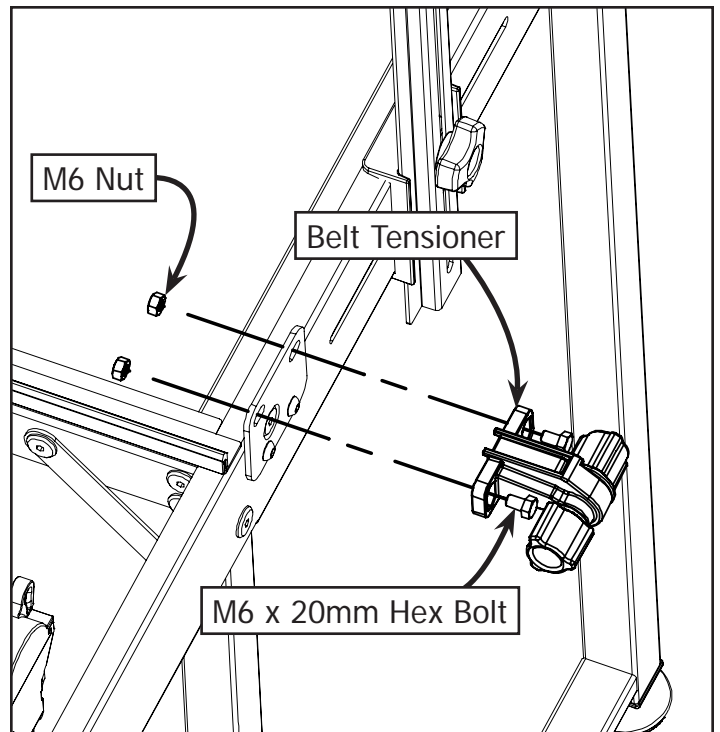
**4-6:** Install the SR2 Belt Bracket to the right side of the frame using (2) M6 x 10mm SBHCS.



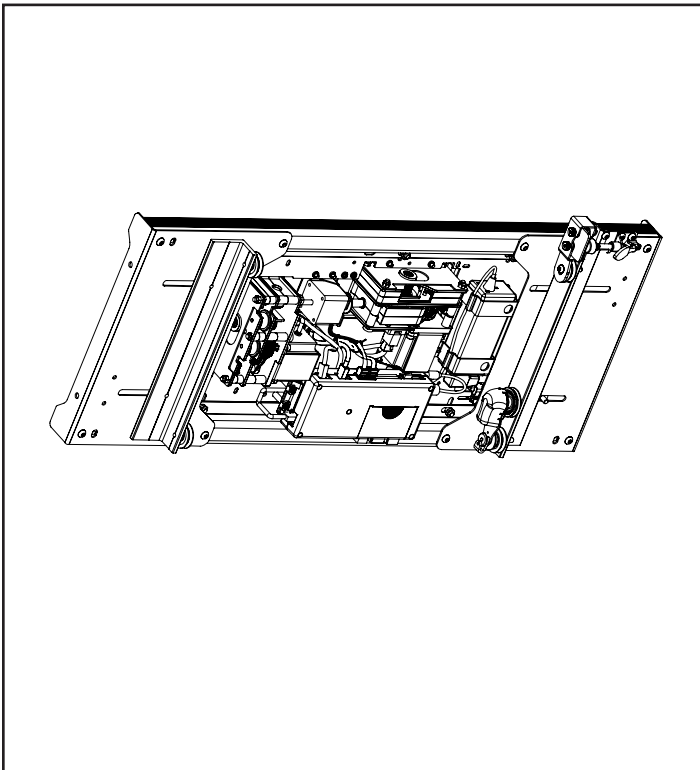
**4-7:** Install the SR2 Belt Bracket to the left side of the frame using (2) M6 x 10mm SBHCS.



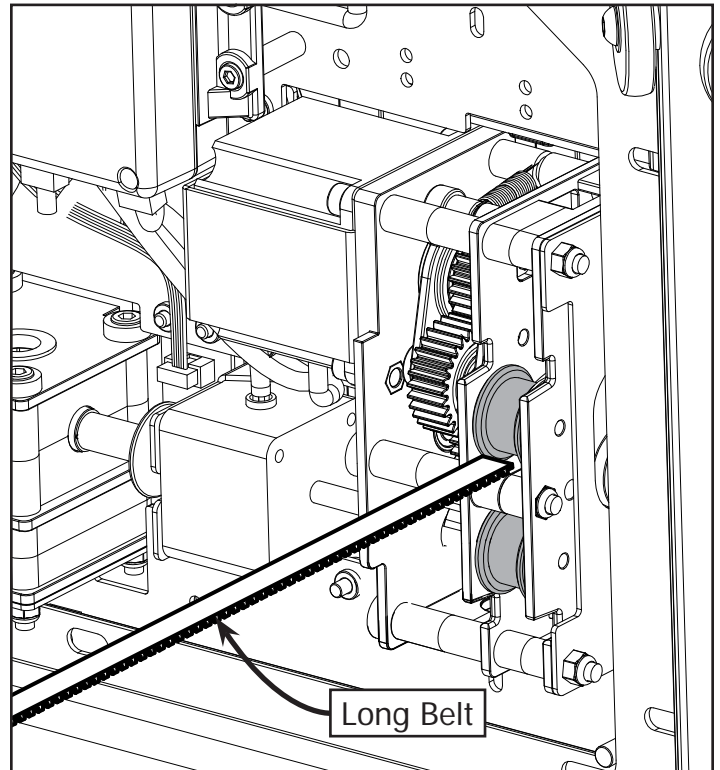
**4-8:** Place the most curly end of the Long Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach to the left side of the frame using (2) M6 x 20mm Hex Bolts and (2) M6 Nuts.



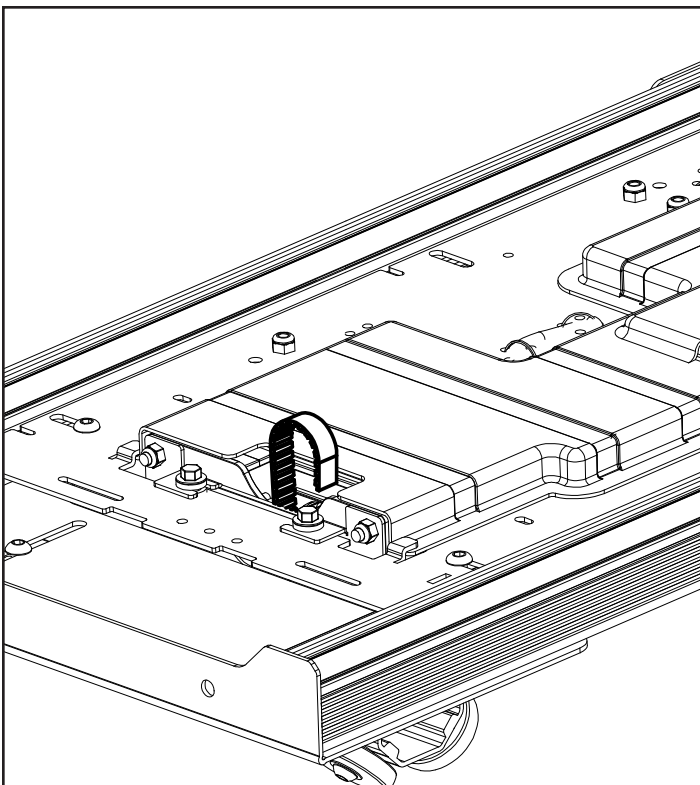
**4-9:** Install the Belt Tensioner Assembly onto the right side of the frame using (2) M6 x 20mm Hex Bolts and (2) M6 Nuts.



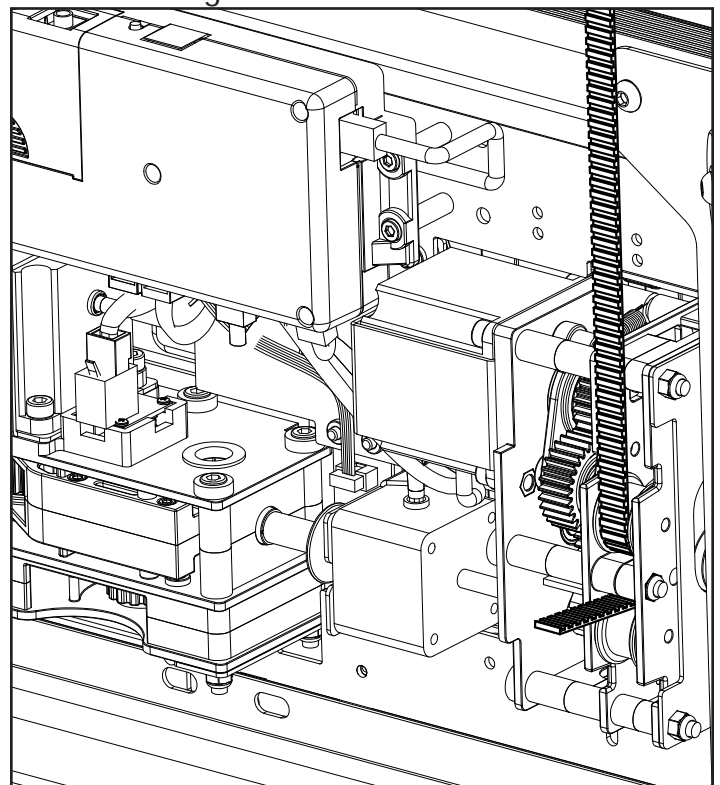
4-10: Tilt the Bottom Carriage onto its side.



4-11: Keep the Long Belt flat and thread the Long Belt into the gearbox in the QuiltMotion Motor Plate from the bottom until it comes out the top of the Bottom Carriage.



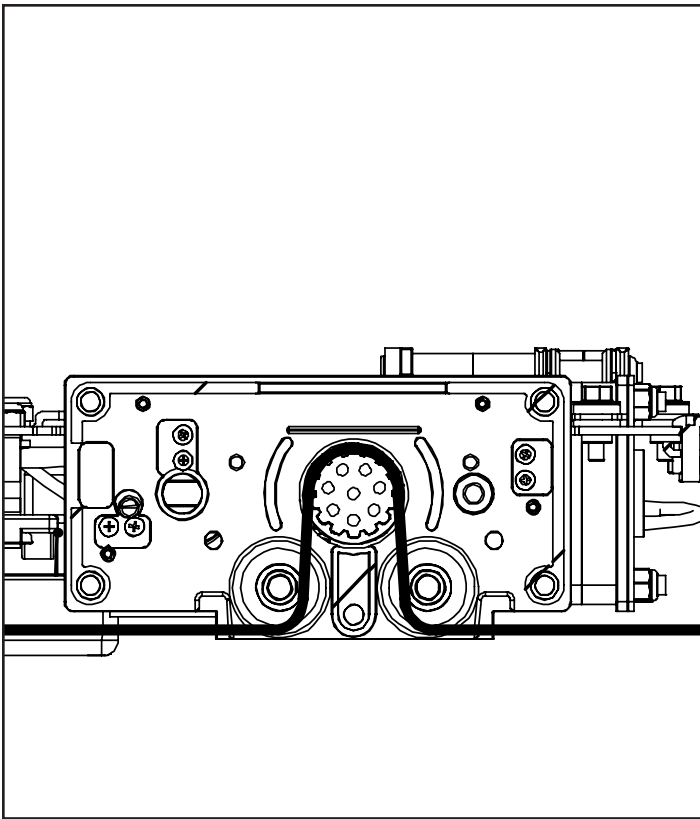
4-12: Loop the Long Belt over and feed it back through the gear box and back out the bottom of the Bottom Carriage.



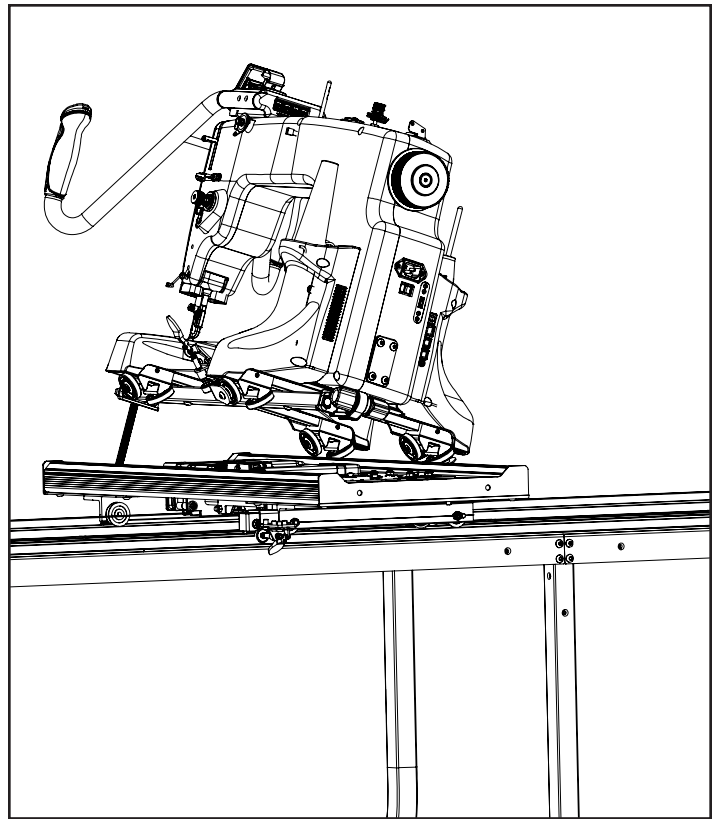
4-13: Pull the rest of the Long Belt through the QuiltMotion Motor Plate.

**Note:** Do not insert the belt into the Belt Tensioner Assembly yet.



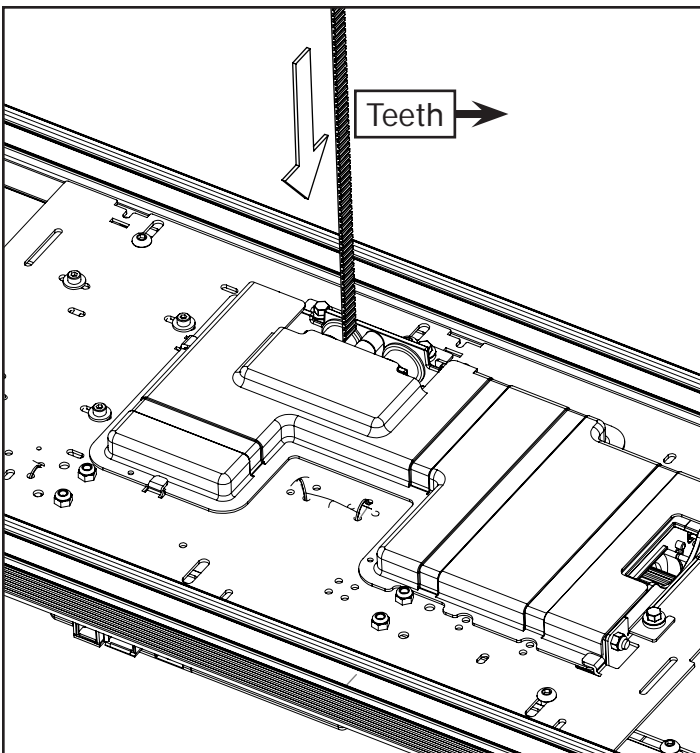


**4-14:** Belt will be routed as shown.



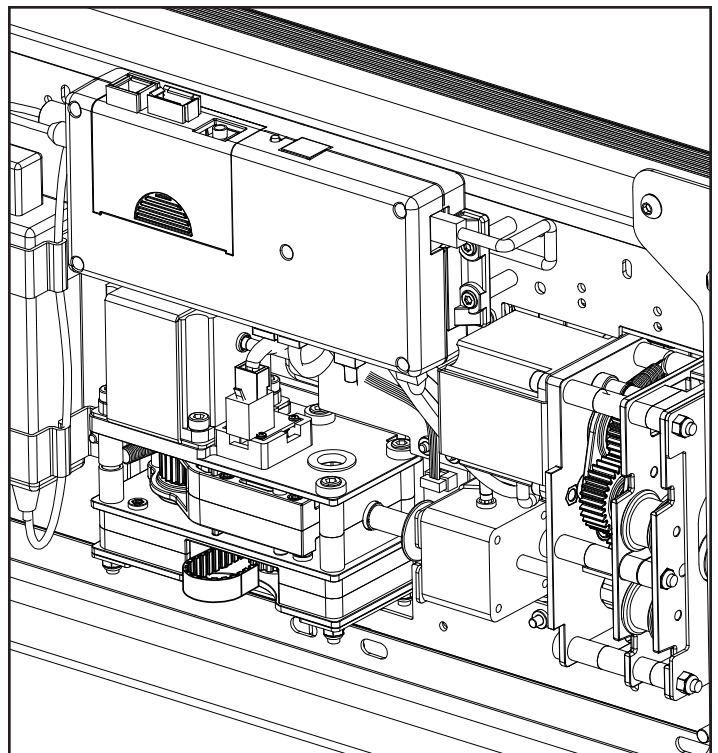
**4-15:** Place Sewing Machine or Top Plate at an angle on the carriage.

**Note:** This step will require 2 people.



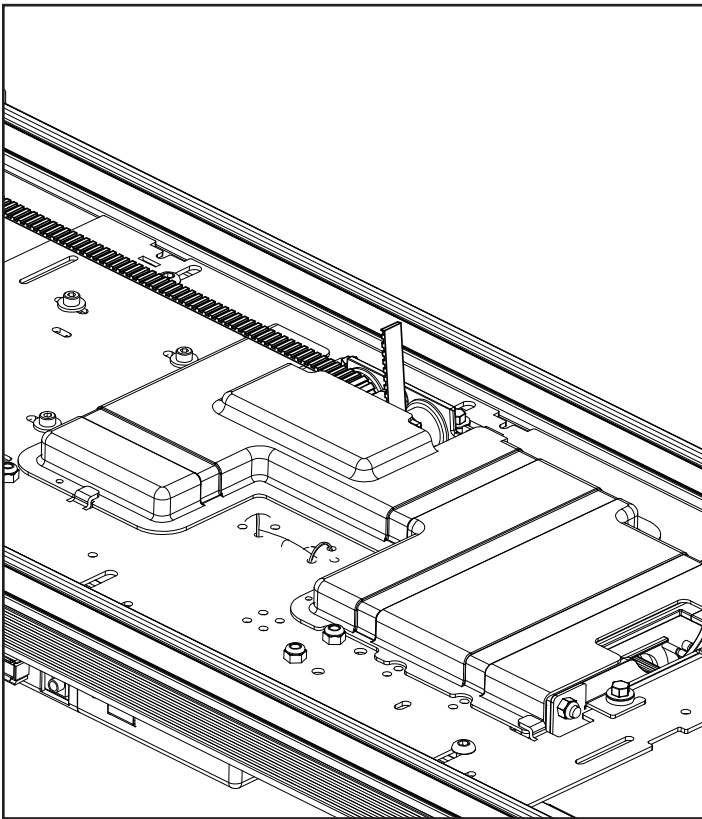
**4-16:** Thread the free end of the Short Belt into the gear box in the QuiltMotion Motor Plate from the top until it comes out the bottom of the carriage.

**Note:** Keep the belt flat without any twists.

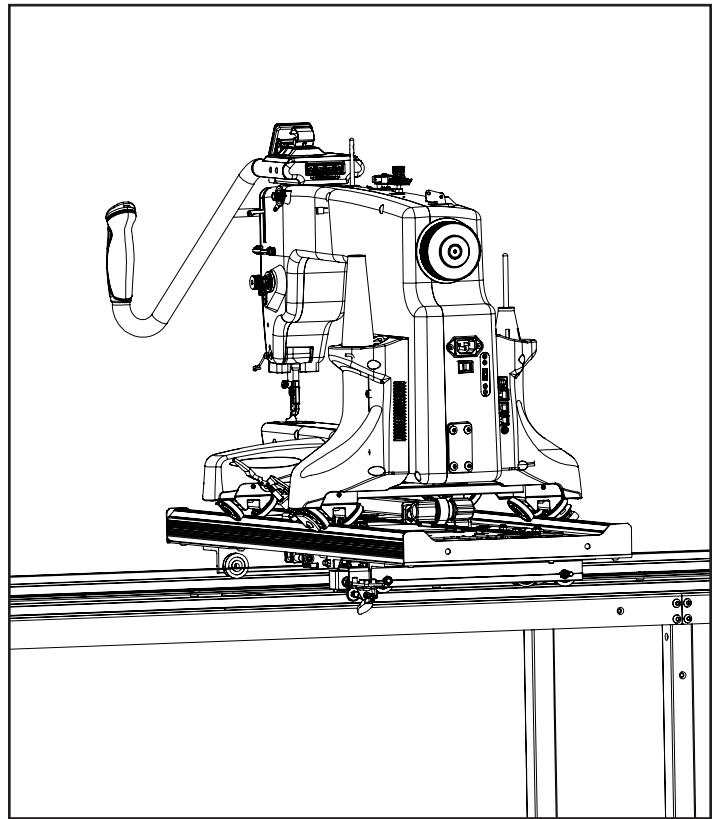


**4-17:** Loop the Short Belt over and feed it back through the gear box and back out the top of the Bottom Carriage.

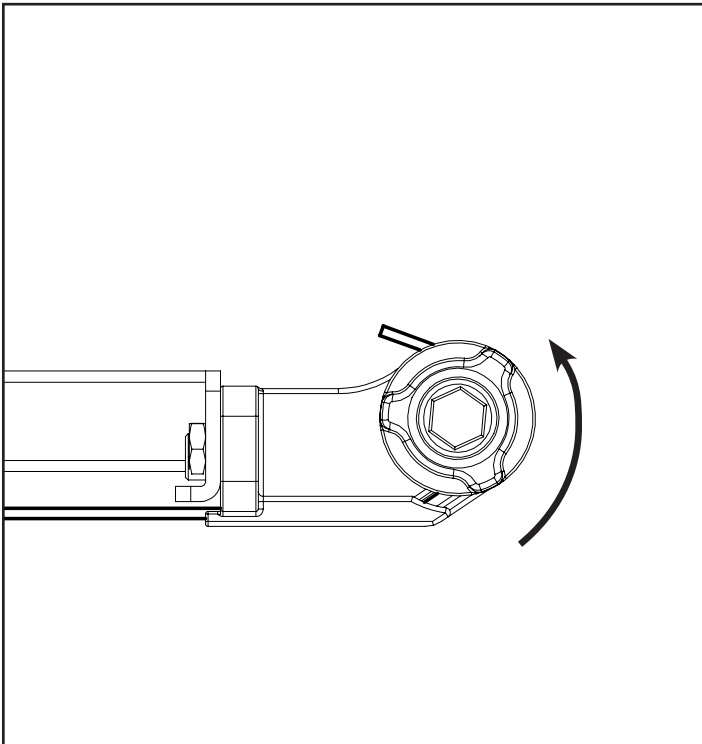
**Note:** The belt teeth should be facing towards the gear teeth.



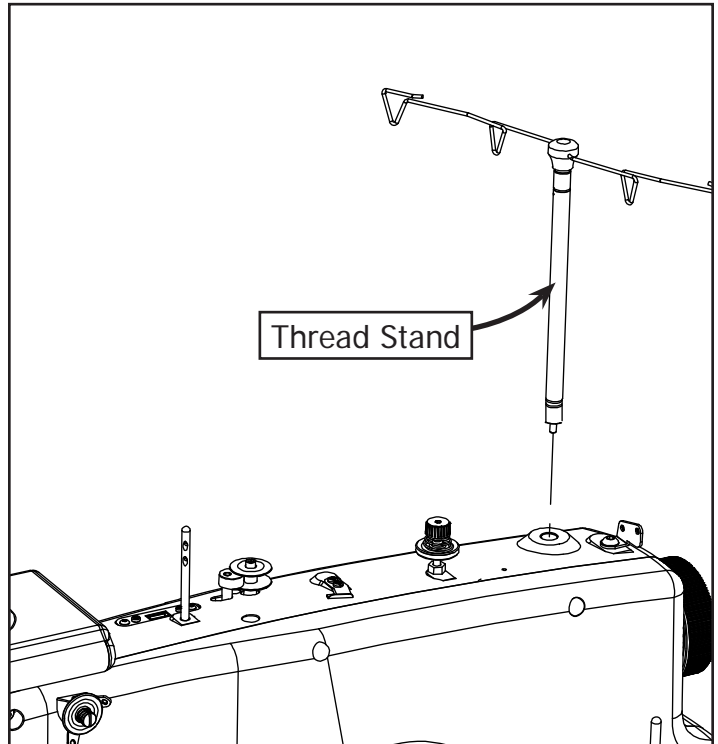
**4-18:** Pull the rest of the Short Belt through the QuiltMotion Motor Plate.



**4-19:** Place the Sewing Machine or Top Plate wheels on the Bottom Carriage and the Bottom Carriage onto the frame track.



**4-20:** Feed the free end of the Short Belt into the Belt Tensioner. Turn the right knob to tighten the belt all the way through the Tensioner. Once the belt is tight rotate the left knob clockwise lock it into place.

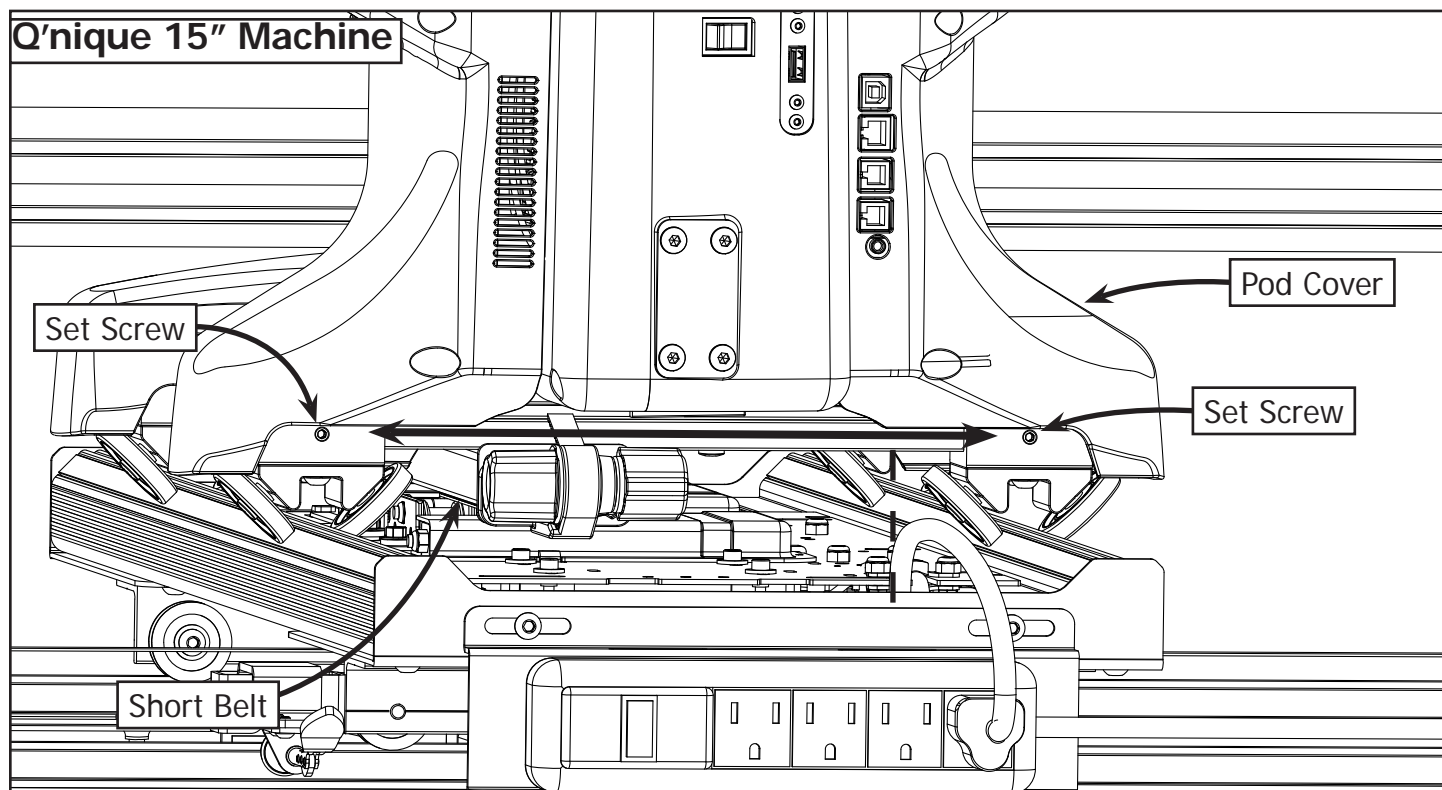


**4-21:** Re-install the Thread Stand onto your machine.

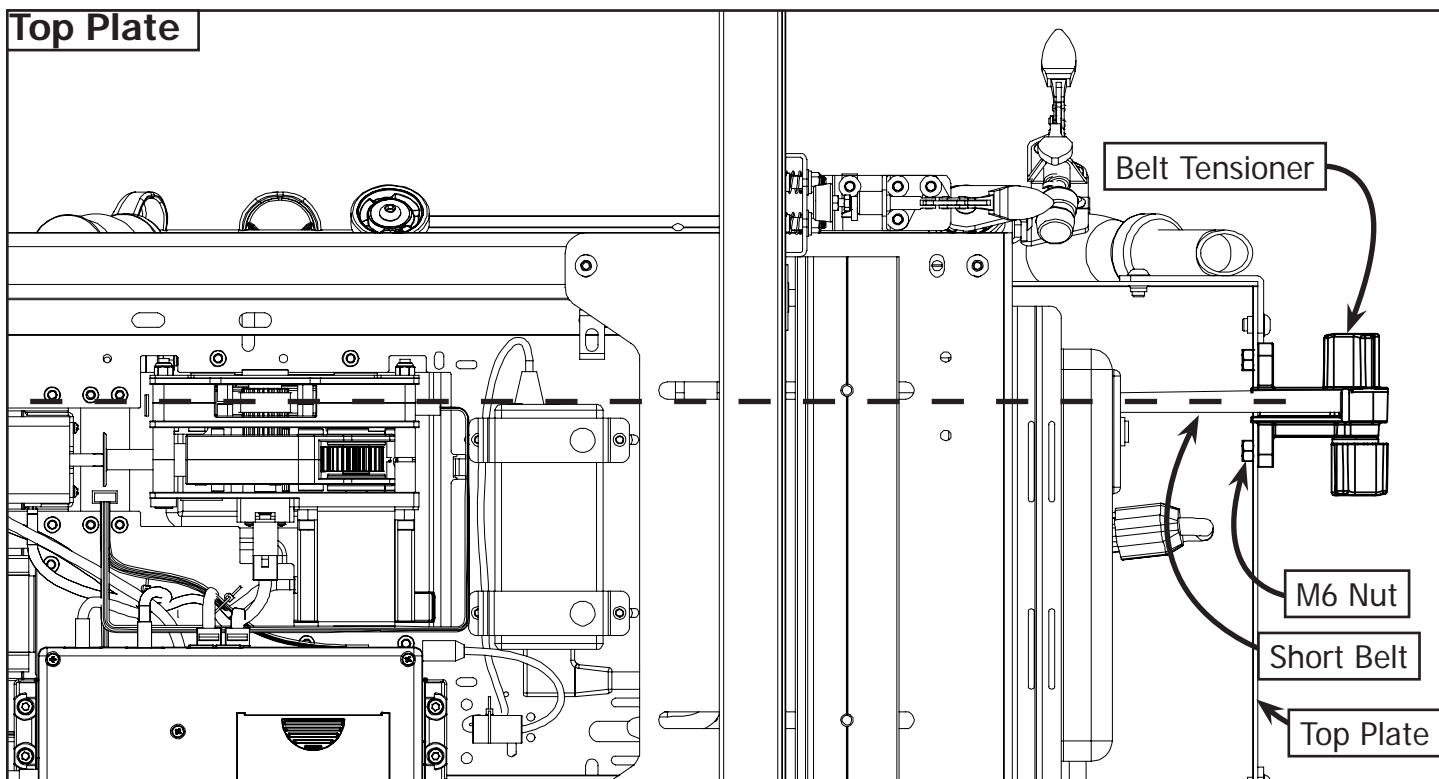
## Step 5 – Aligning the Belts

Tools Needed:

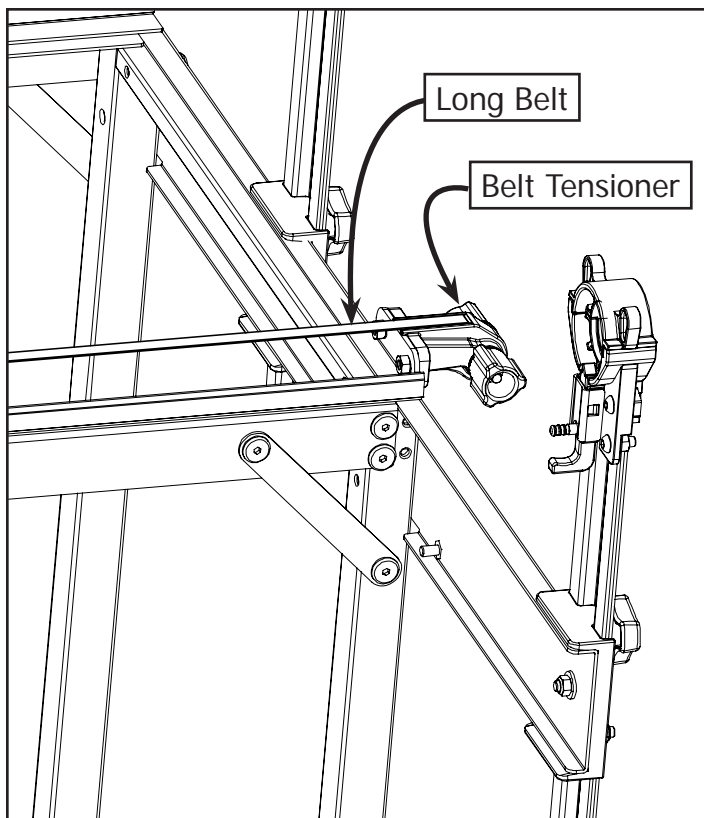
3mm Allen Wrench



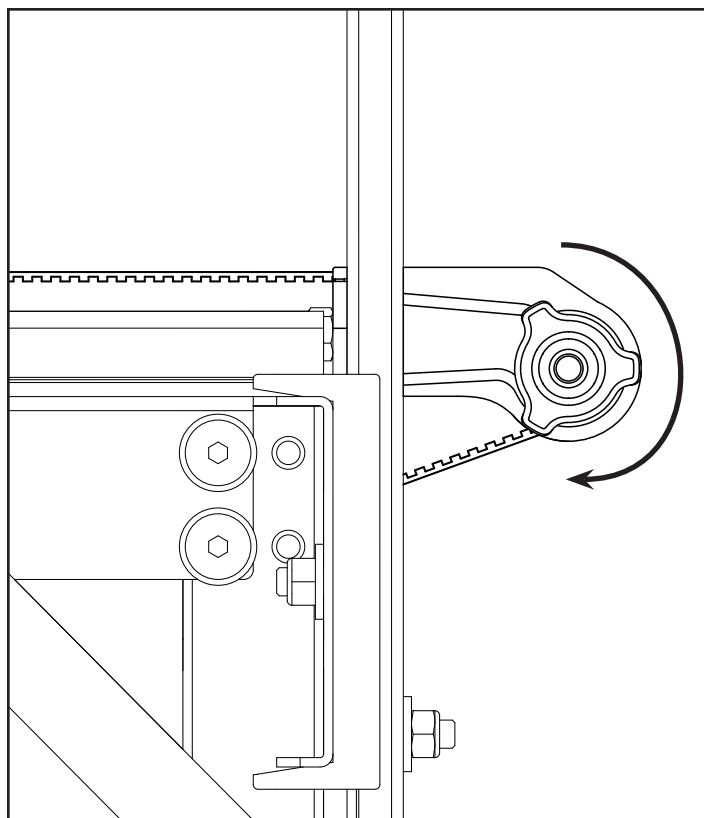
**5-1a:** Check the alignment of the short belt attached to the Top Belt Bracket. If it is bowed to one side loosen the set screws on the front and back wheels, and shift the machine until the belt is straight. Re-tighten the set screws and re-install the Pod Covers if they were removed.



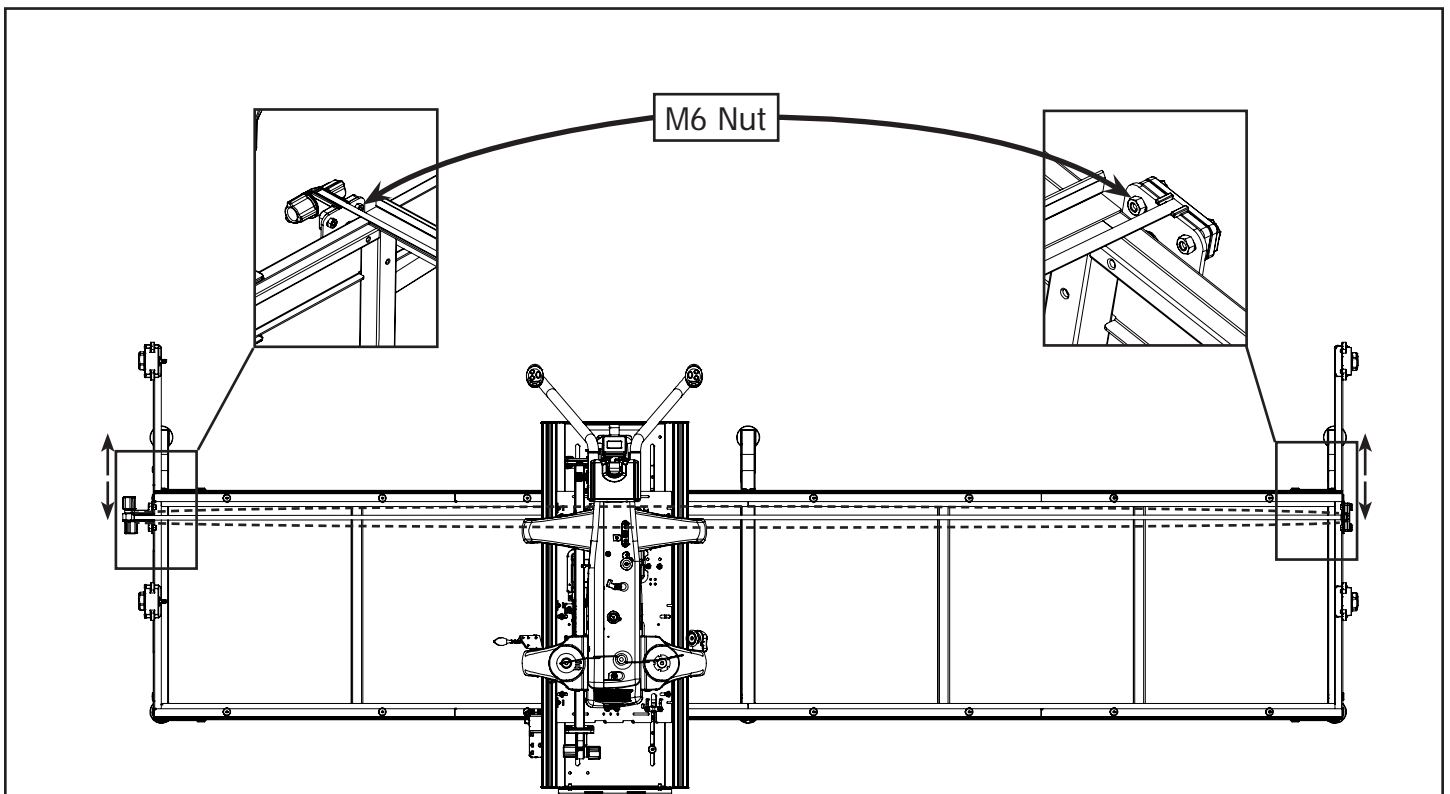
**5-1b:** Check the alignment of the belt attached to the Top Plate. If it is bowed to one side move the Top Plate as far back as possible. Loosen the (2) M6 Nuts on the Belt Tensioner and adjust until the Short Belt is aligned with the Motor Plate.



**5-2:** Insert the free end of the Long Belt into the Belt Tensioner Assembly.

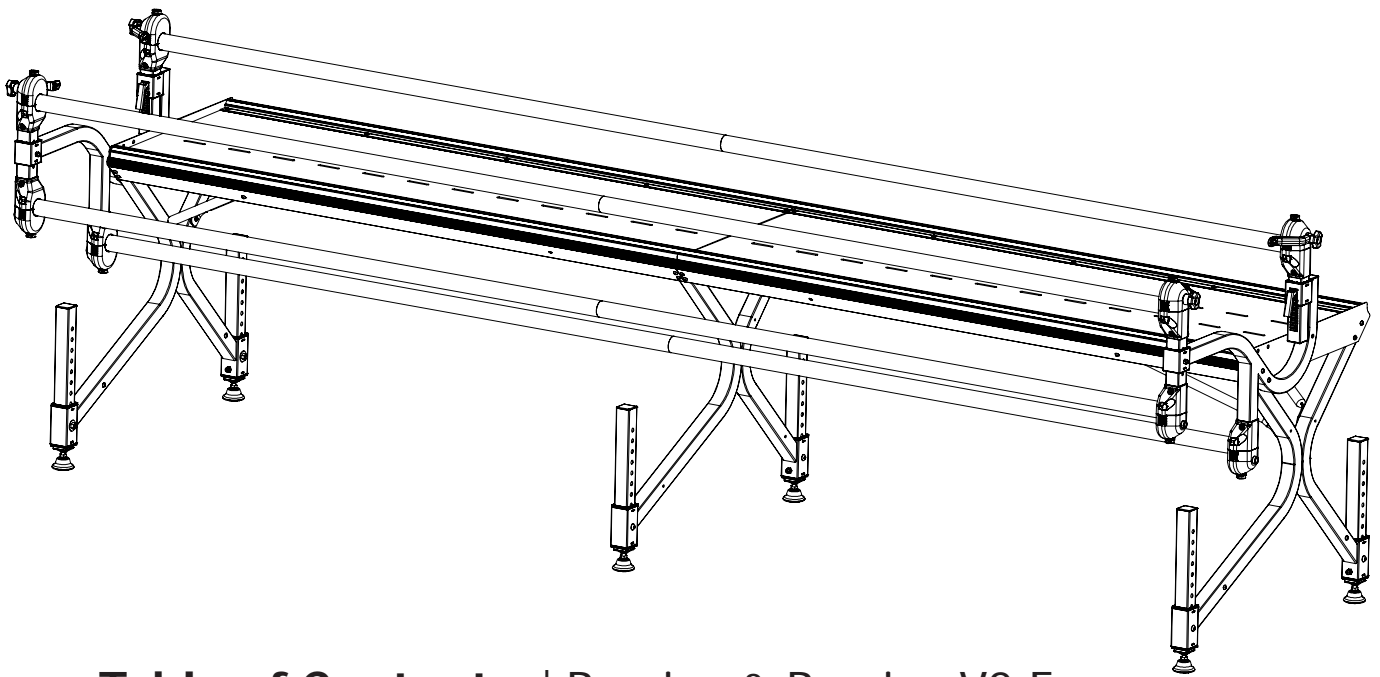


**5-3:** Twist the right Belt Tensioner knob to tighten the belt. Once the belt is tight rotate the left knob clockwise to lock it into place.



**5-4:** Loosen the M6 Nuts from Steps 4-8 and 4-9. Adjust the Belt Tensioner Assembly and the Belt Clamp Assembly to make sure there is no bow in the Long Belt. Once the Long Belt is straight tighten the M6 x 20mm Hex Bolts on the Belt Tensioner Assembly and the Belt Clamp Assembly.

**\*See Your QCT and Wiring Instructions Booklet\***



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Step 2: Bernina Carriage Power Strip Installation: .....	page 120

### Top Belt Bracket

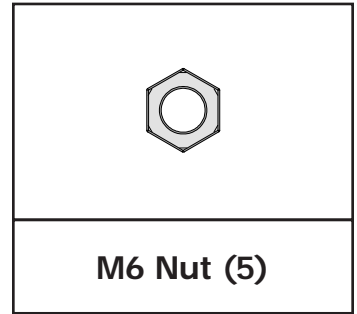
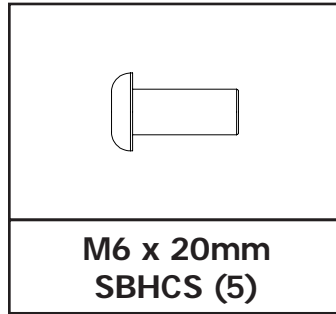
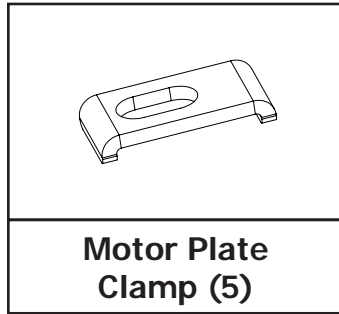
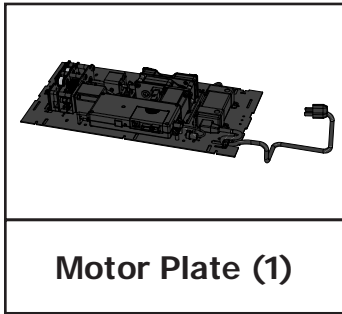
Step 3a: Short Belt Installation - O'nique 15" .....	page 122
Step 3b: Short Belt Installation - Top Plate .....	page 124

### Bernina & Bernina V2 Frames

Step 4: Long Belt Installation .....	page 126
Step 5: Aligning the Belts .....	page 130

## Step 1 – Motor Plate Installation

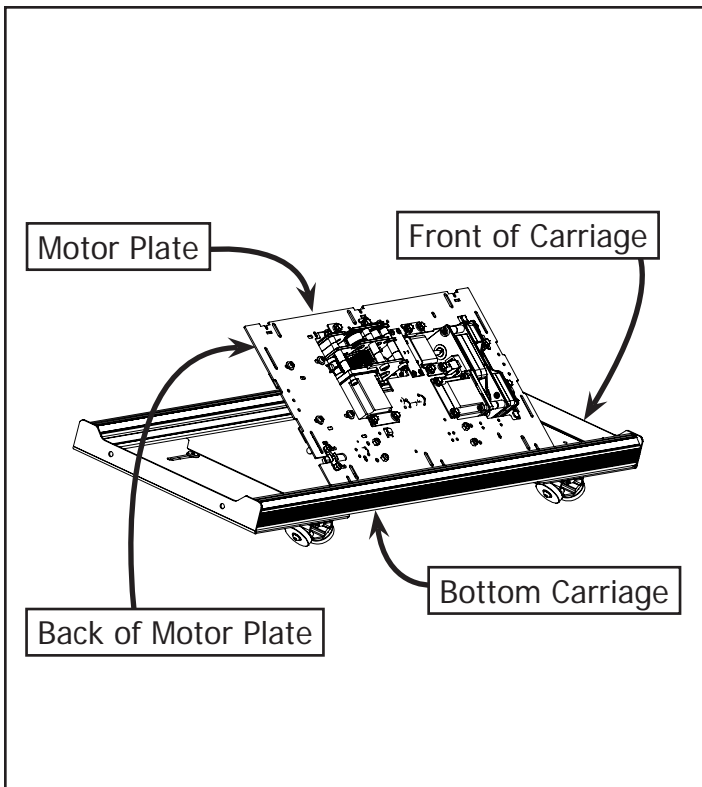
Parts Needed:



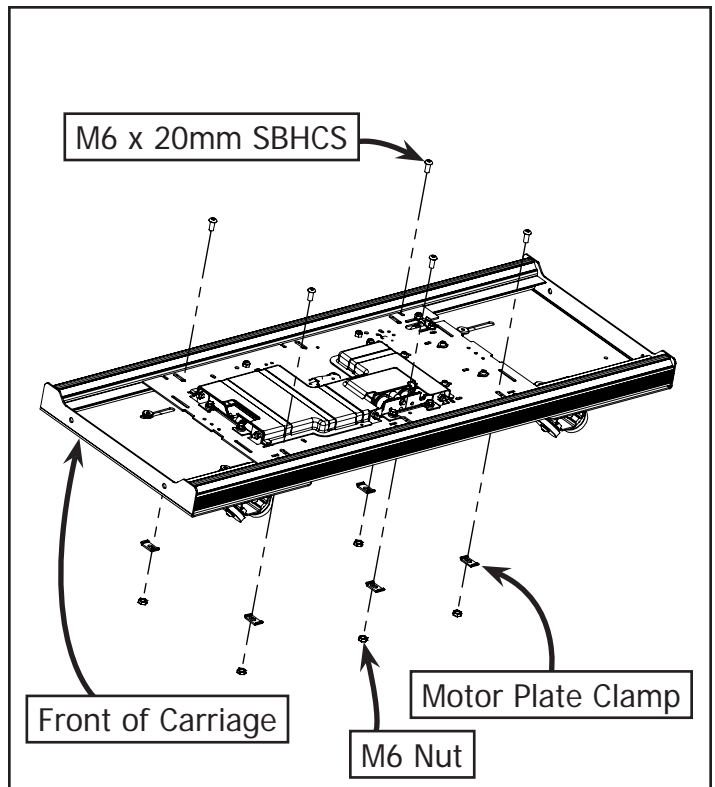
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



**3-1:** Insert the Motor Plate into the Bottom Carriage at an angle.

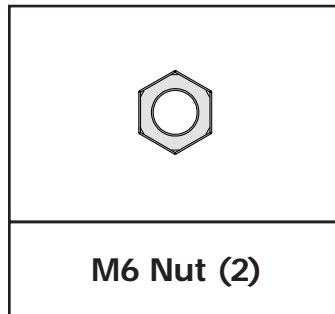
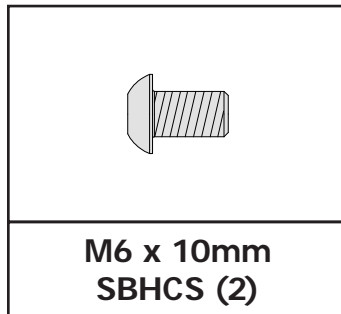
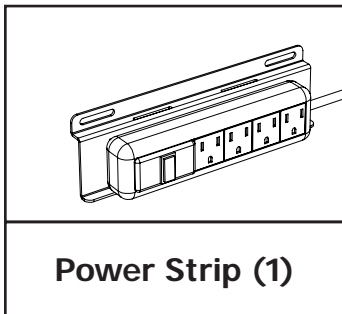


**3-2:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS, (5) Deck Clamps, and (5) M6 Nuts to the Bottom Carriage. Center the Motor Plate in the Bottom Carriage.



## Step 2 – Power Strip Installation

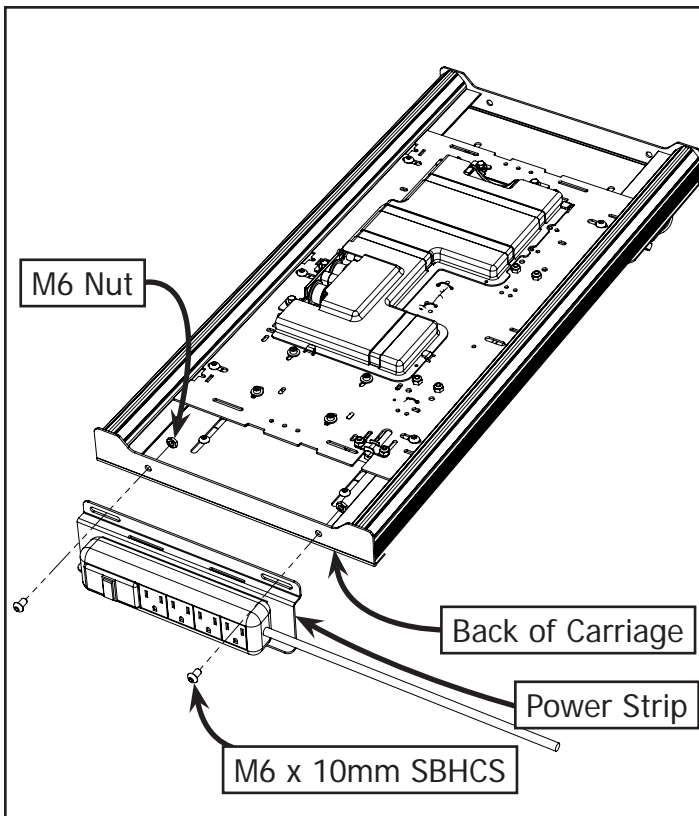
Parts Needed:



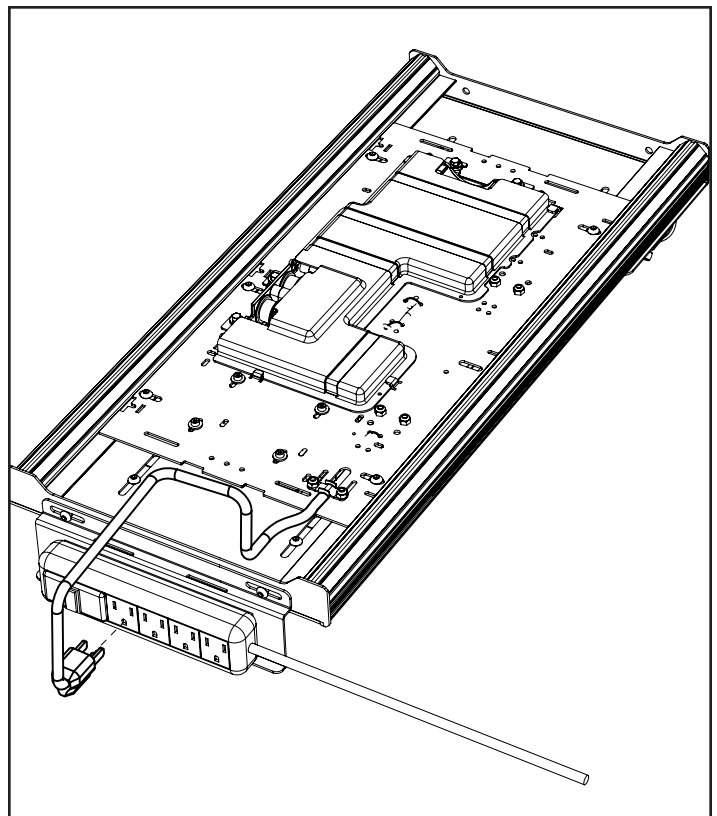
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



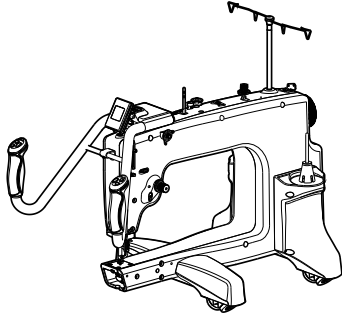
**2-1:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.



**2-2:** Plug the Motor Plate into the Power Strip.

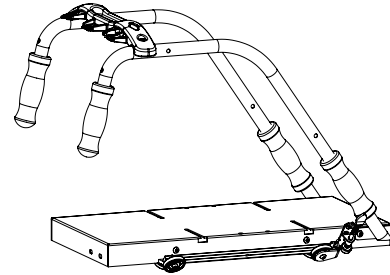
**Step 3 – Choose your Machine or Top Plate.**

Proceed to the page number associated with your Machine or Top Plate.



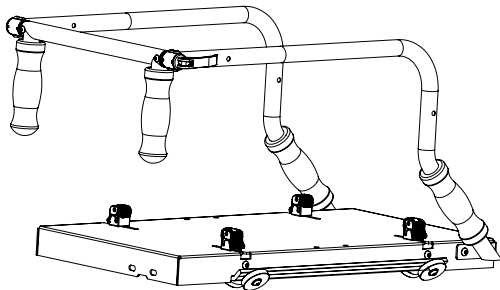
**Q'nique 15**

Turn to page 122



**G-Series Top Plate**

Turn to page 124

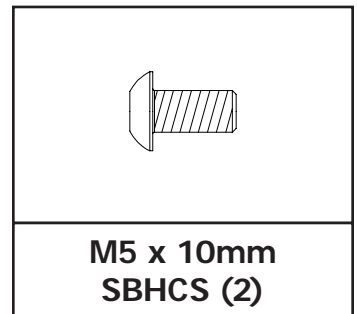
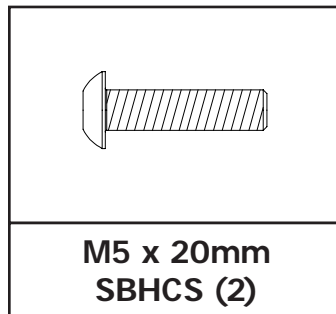
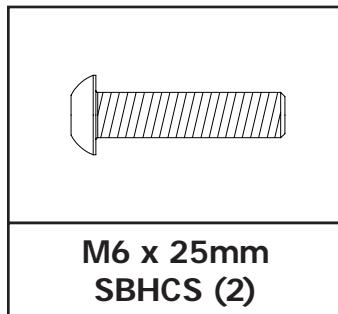
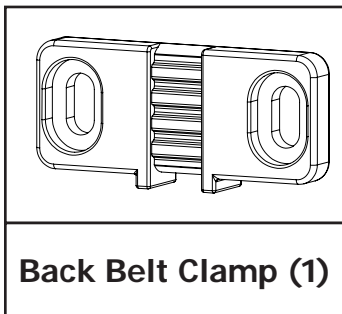
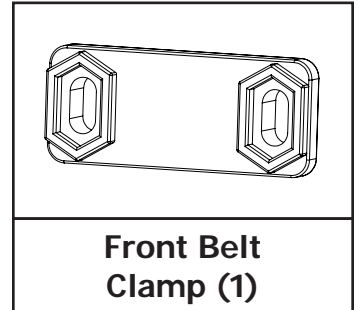
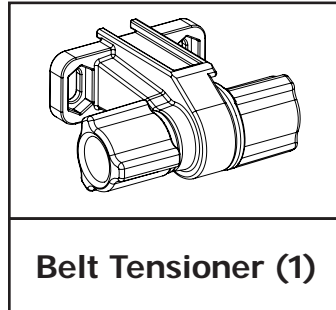
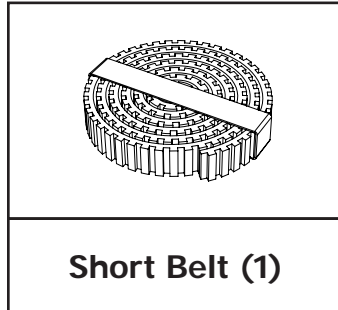
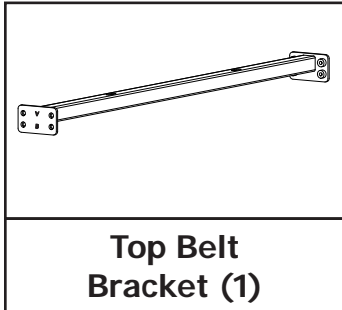


**G-Series 2 Top Plate**

Turn to page 124

### Step 3a – Short Belt Installation - Q'nique 15"

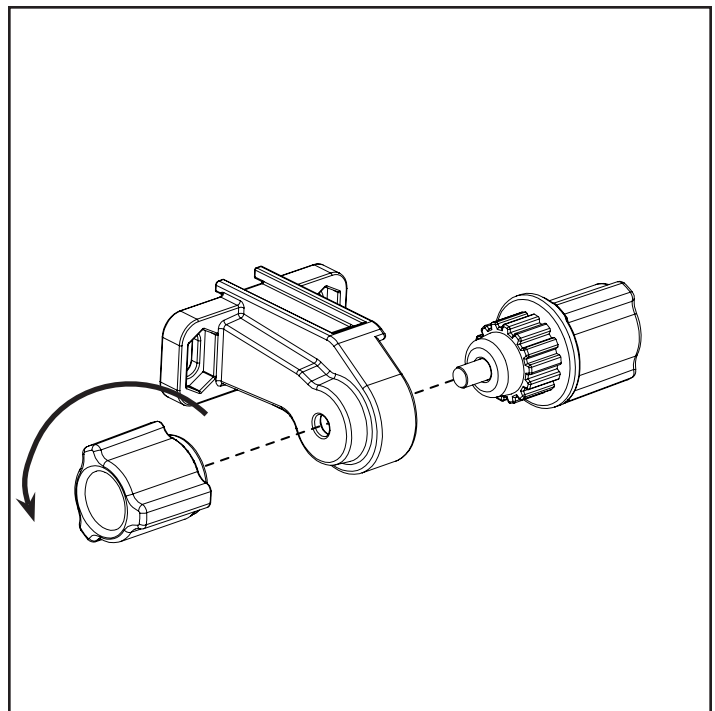
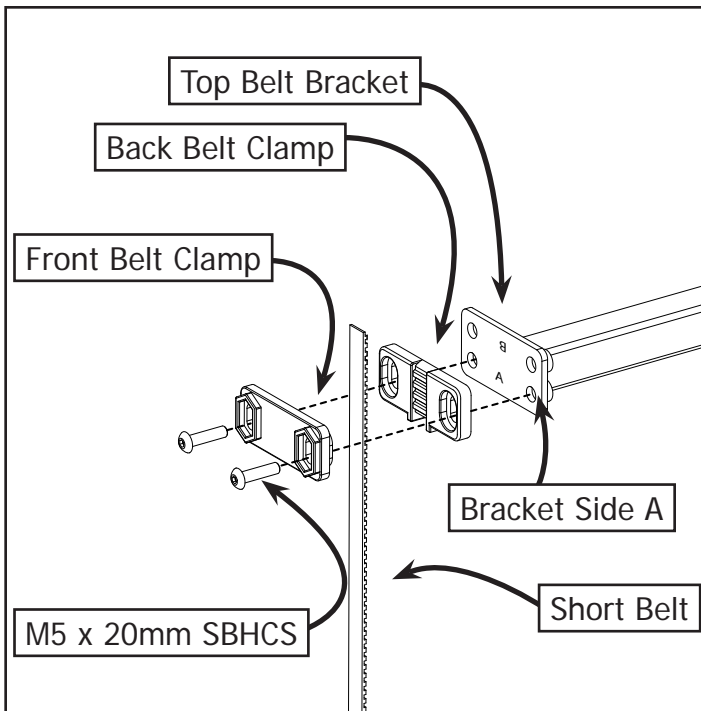
Parts Needed:



Tools Needed:

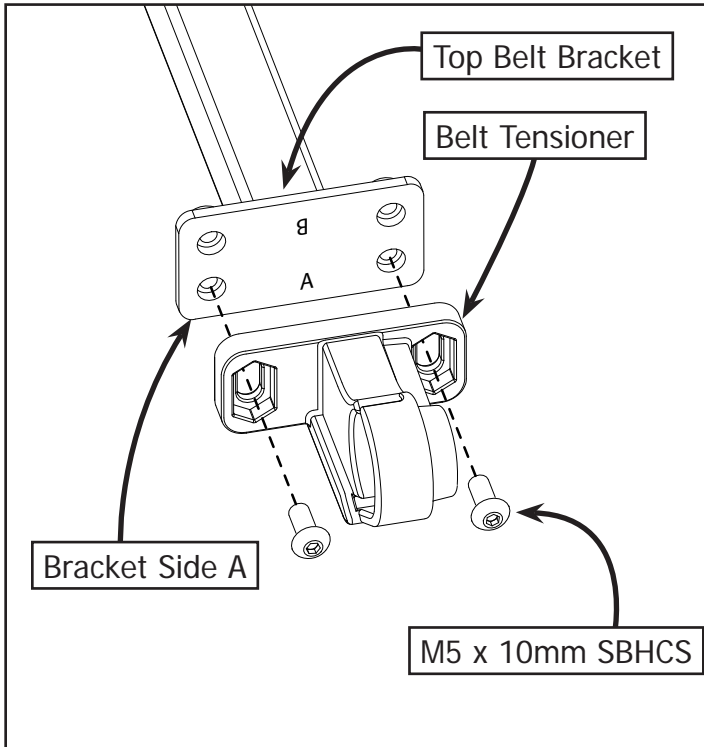
3mm Allen Wrench

4mm Allen Wrench

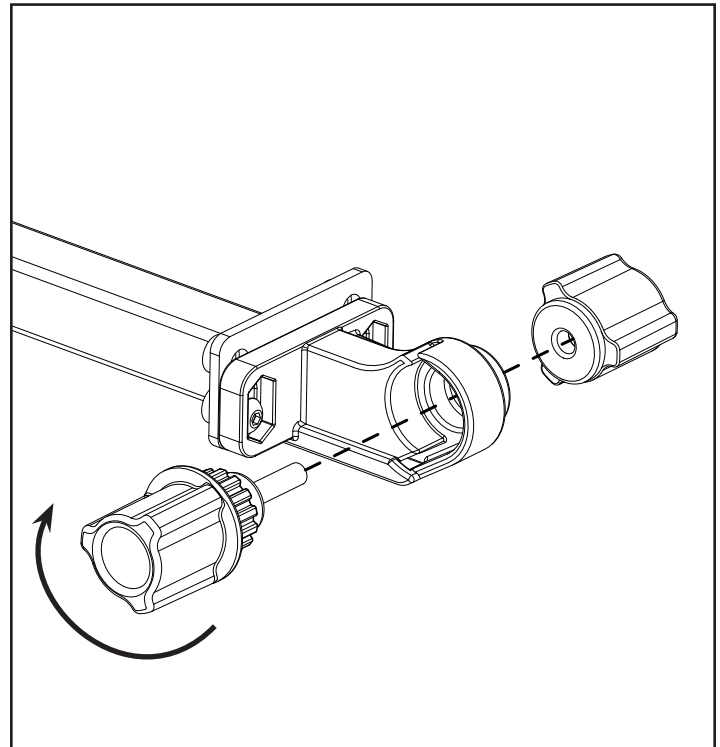


**3-1a:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side A.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.

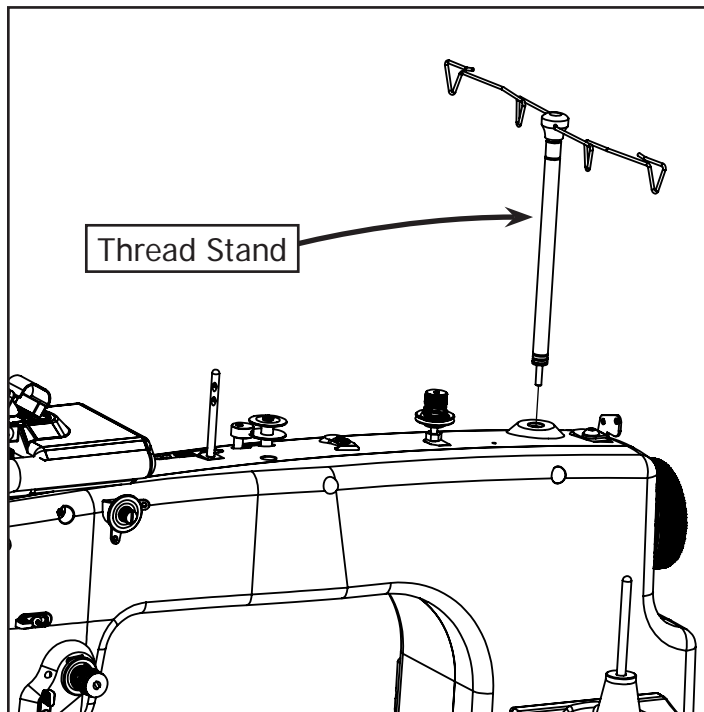
**3-2a:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



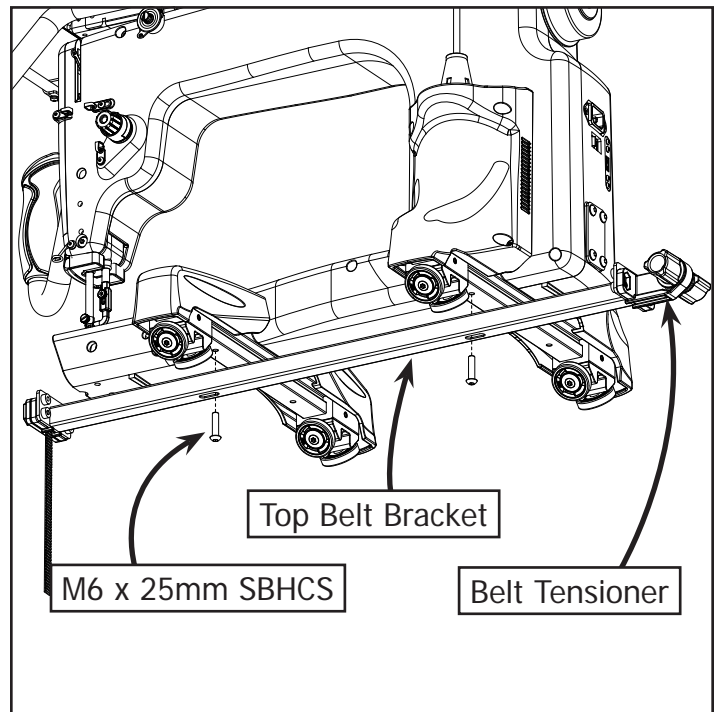
**3-3a:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side A using (2) M5 x 10mm SBHCS.



**3-4a:** Re-Install the Belt Tensioner Knobs.



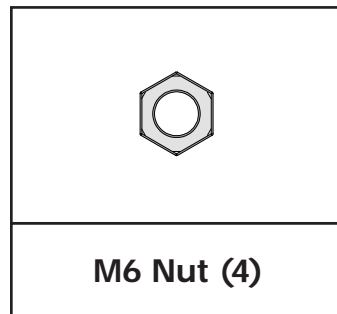
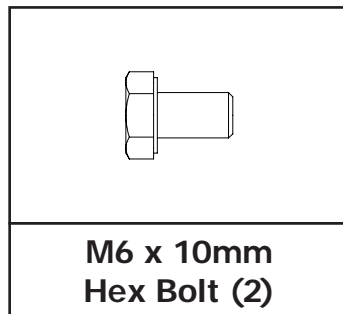
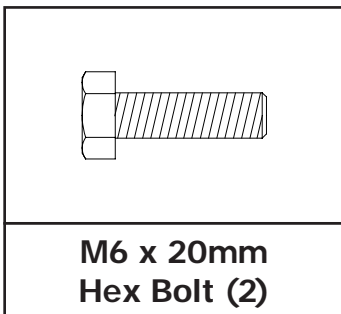
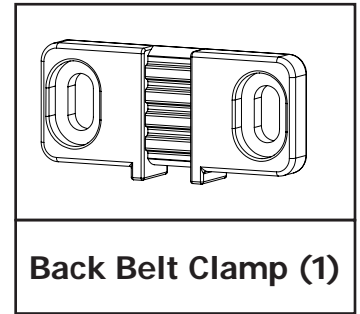
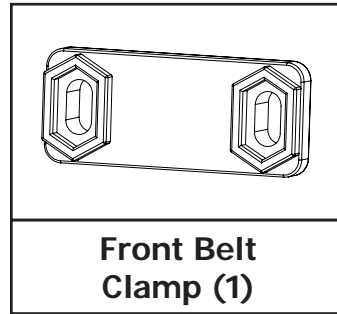
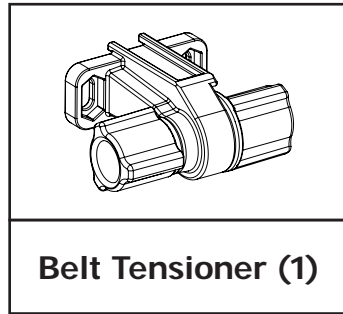
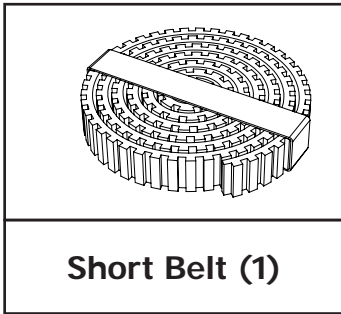
**3-5a:** Remove the Thread Stand from your machine. See your machine manual for instructions.



**3-6a:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.

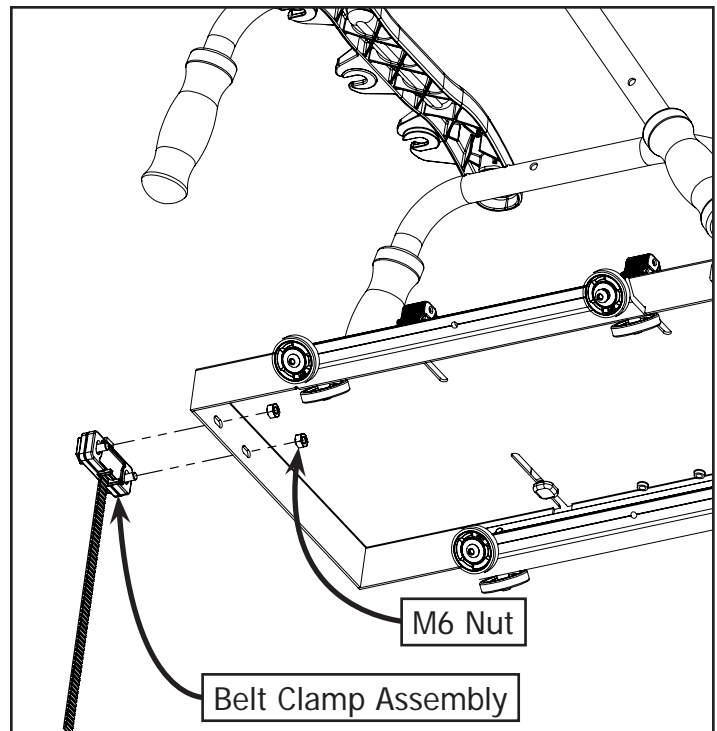
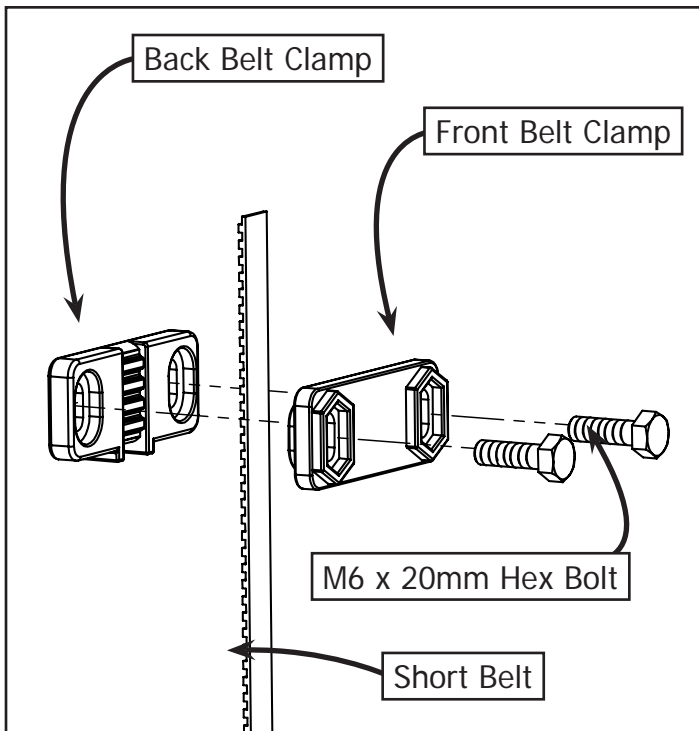
## Step 3b – Short Belt Installation - Top Plate

Parts Needed:



Tools Needed:

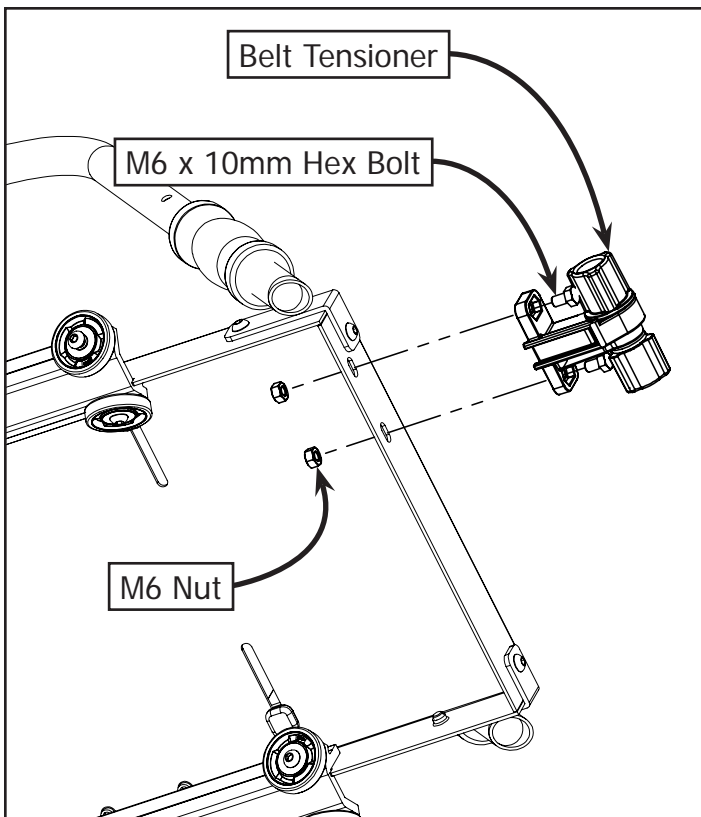
10mm & 13mm Open End Wrench



**3-1b:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and place (2) M6 x 20mm Hex Bolts through the Belt Clamp.

**3-2b:** Assemble the completed assembly (from Step 3-1b) to the front end of the Top Plate using (2) M6 Nuts.

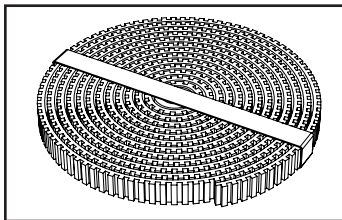
**Note:** The teeth of the belt should be facing towards the Top Plate.



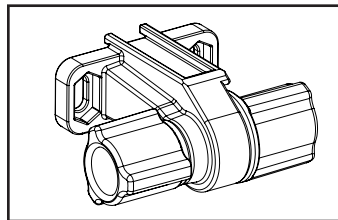
**3-3b:** Assemble the Belt Tensioner onto the opposite end of the Top Plate using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.

## Step 4 – Long Belt Installation

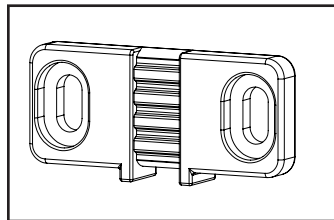
Parts Needed:



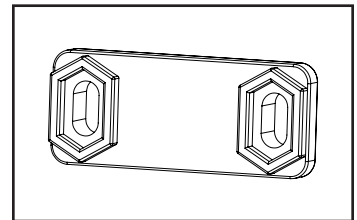
Long Belt (1)



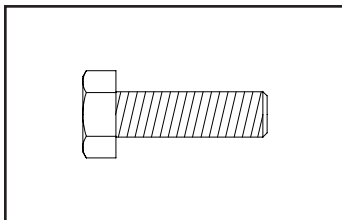
Belt Tensioner (2)



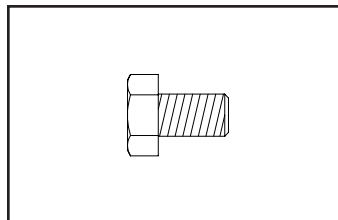
Back Belt  
Clamp (1)



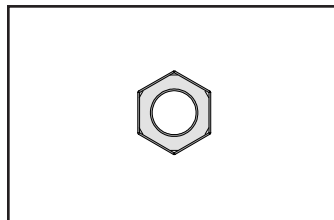
Front Belt  
Clamp (1)



M6 x 20mm  
Hex Bolt (2)



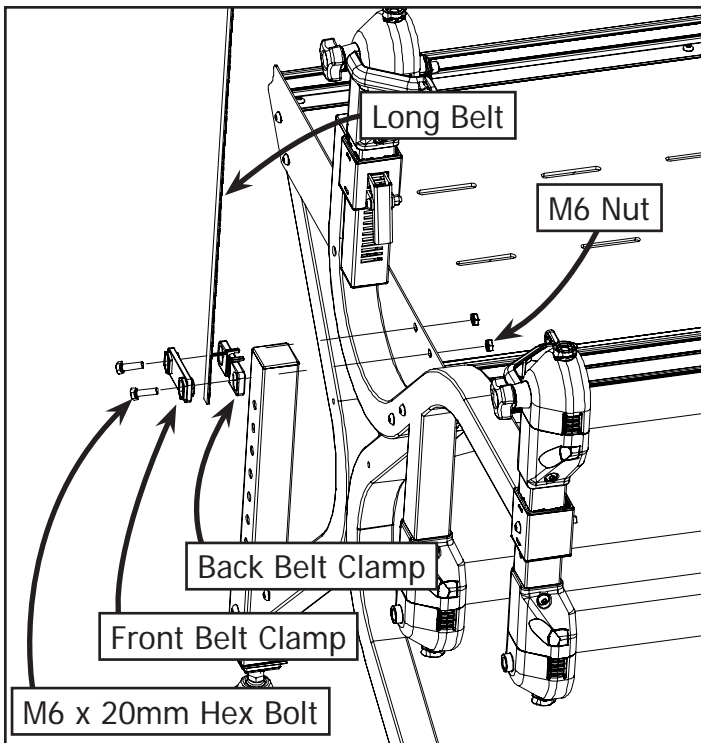
M6 x 10mm  
Hex Bolt (2)



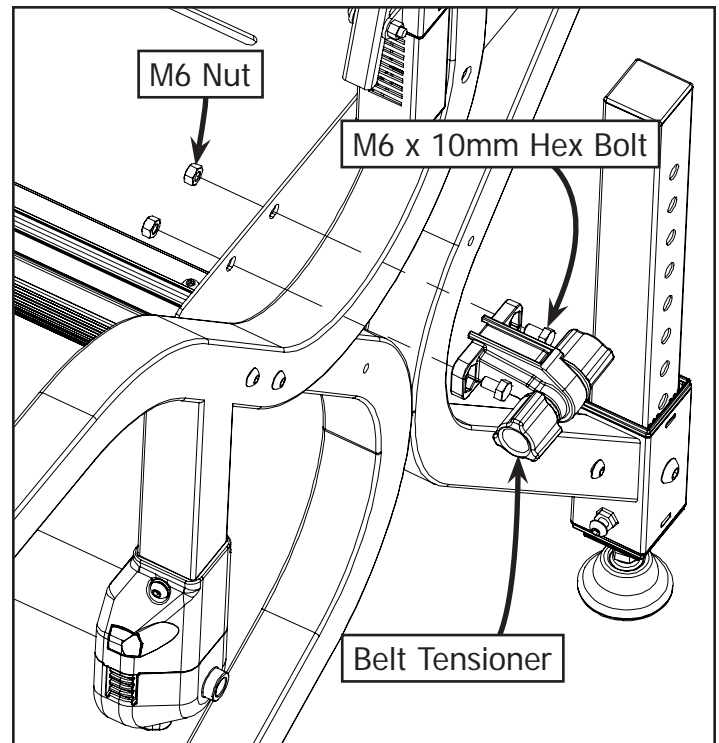
M6 Nut (4)

Tools Needed:

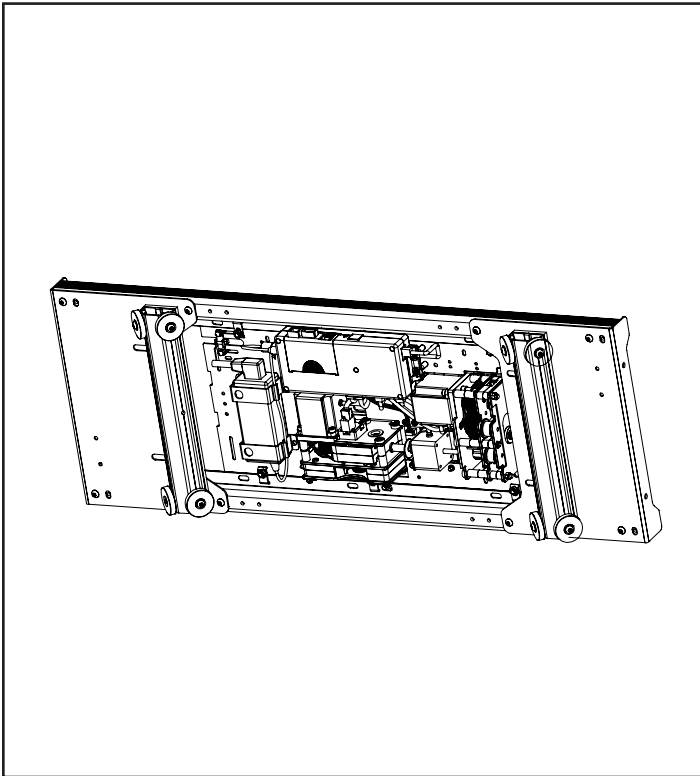
4mm Allen Wrench



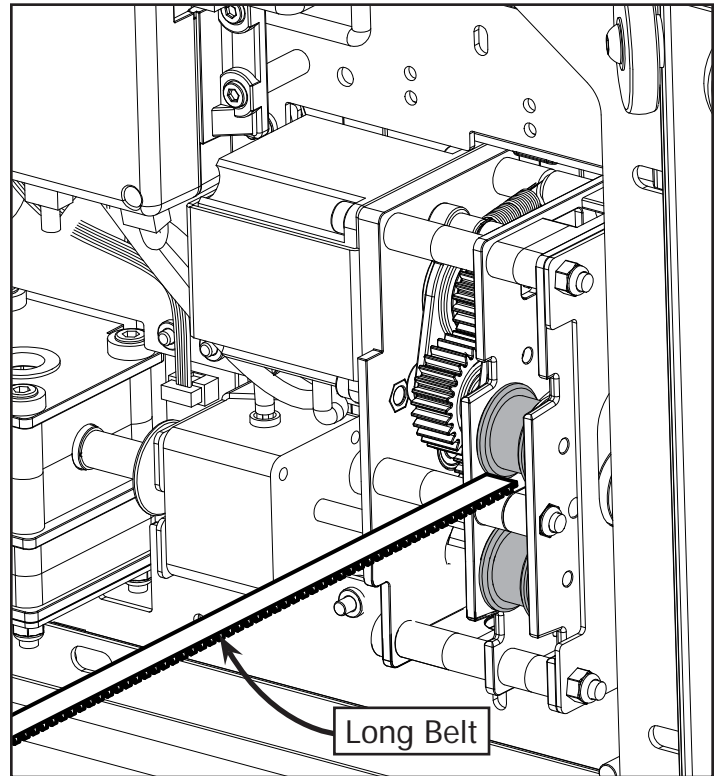
**4-1:** Place the most curly end of the Long Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach to the left side of the frame using (2) M6 x 20mm Hex Bolts and (2) M6 Nuts.



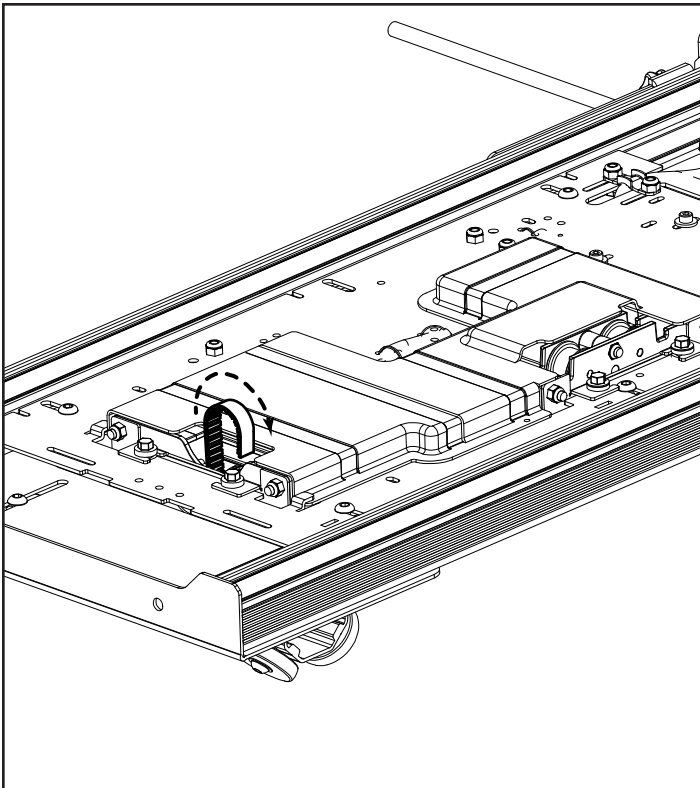
**4-2:** Assemble the Belt Tensioner to the Right Frame Side using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.



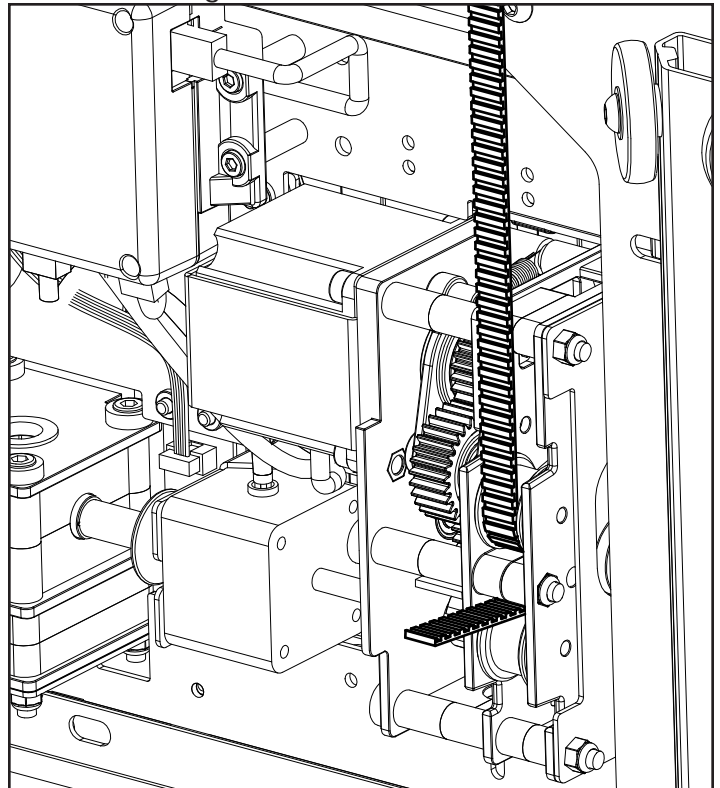
4-3: Tilt the Bottom Carriage onto its side.



4-4: Keep the Long Belt flat and thread the Long Belt into the gearbox in the QuiltMotion Motor Plate from the bottom until it comes out the top of the Bottom Carriage.



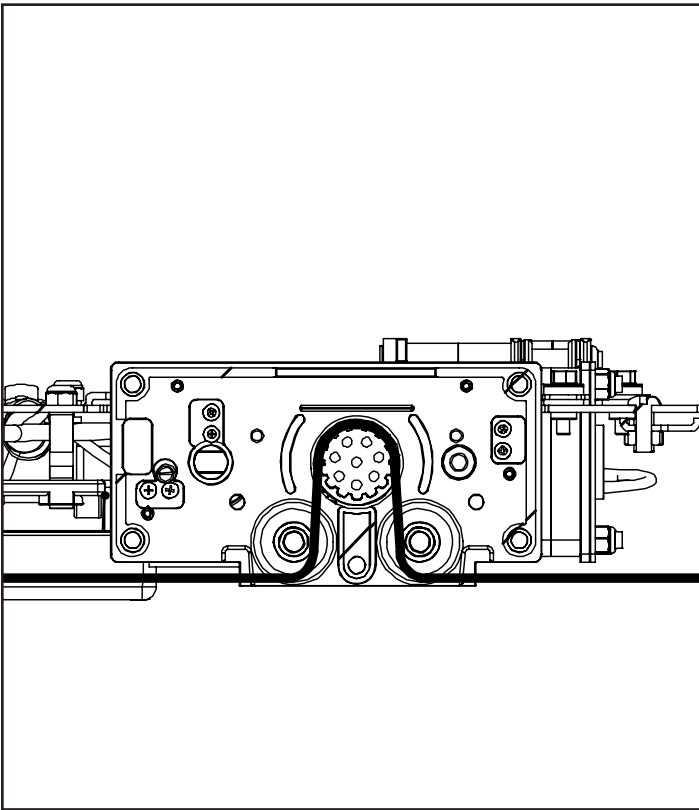
4-5: Loop the Long Belt over and feed it back through the gear box and back out the bottom of the Bottom Carriage.



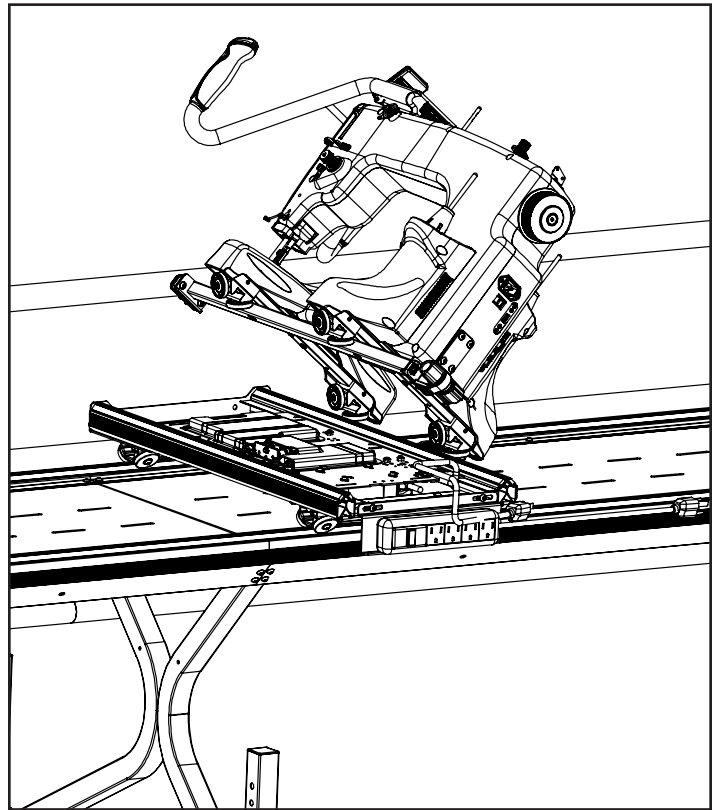
4-6: Pull the rest of the Long Belt through the QuiltMotion Motor Plate.

**Note:** Do not insert the belt into the Belt Tensioner Assembly yet.

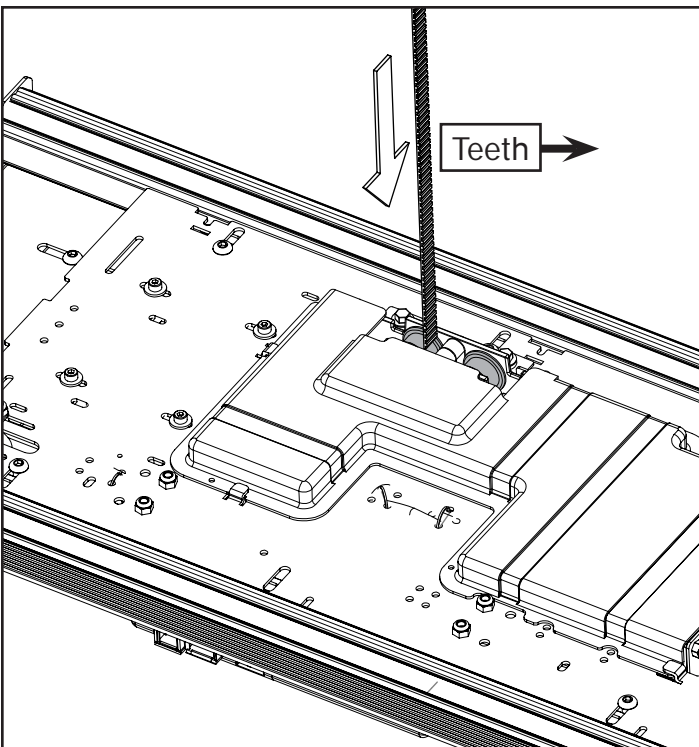




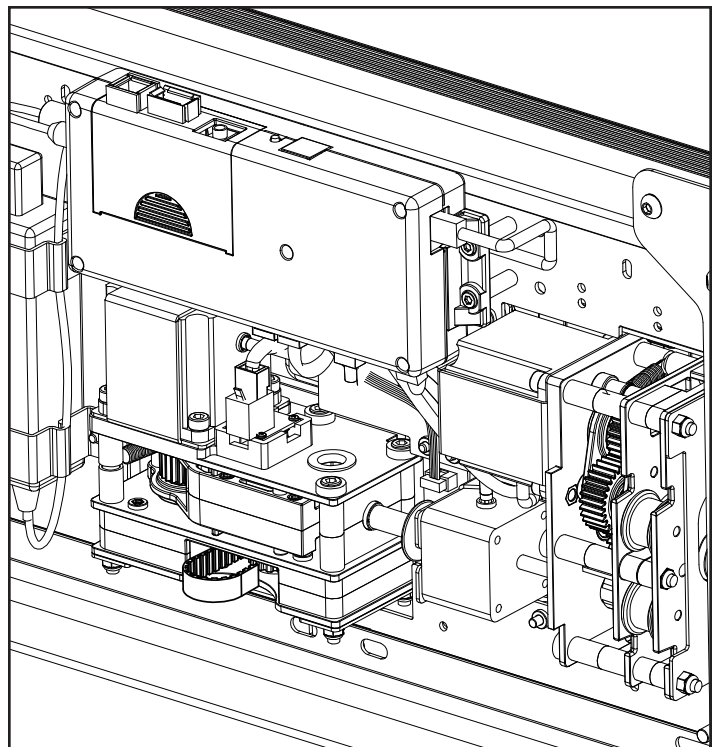
4-7: Belt will be routed as shown.



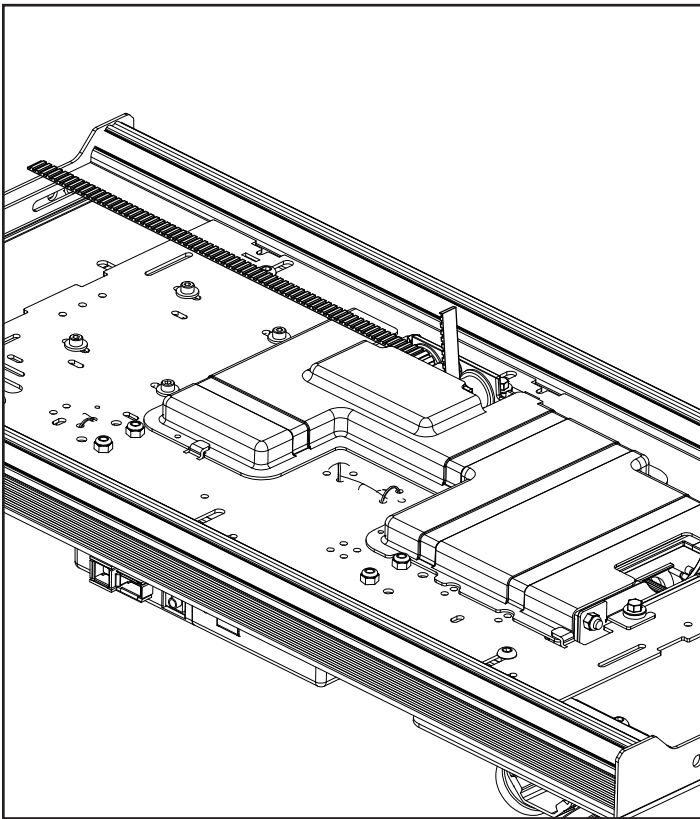
4-8: Place Sewing Machine or Top Plate at an angle on the carriage.



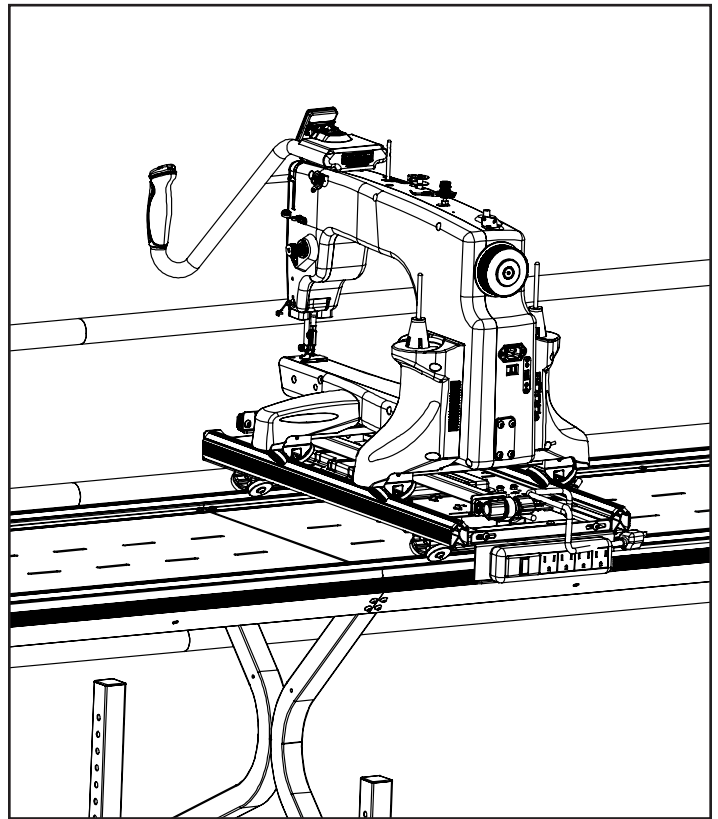
4-9: Thread the free end of the Short Belt into the gear box in the QuiltMotion Motor Plate from the top until it comes out the bottom of the carriage.  
**Note:** Keep the belt flat without any twists.



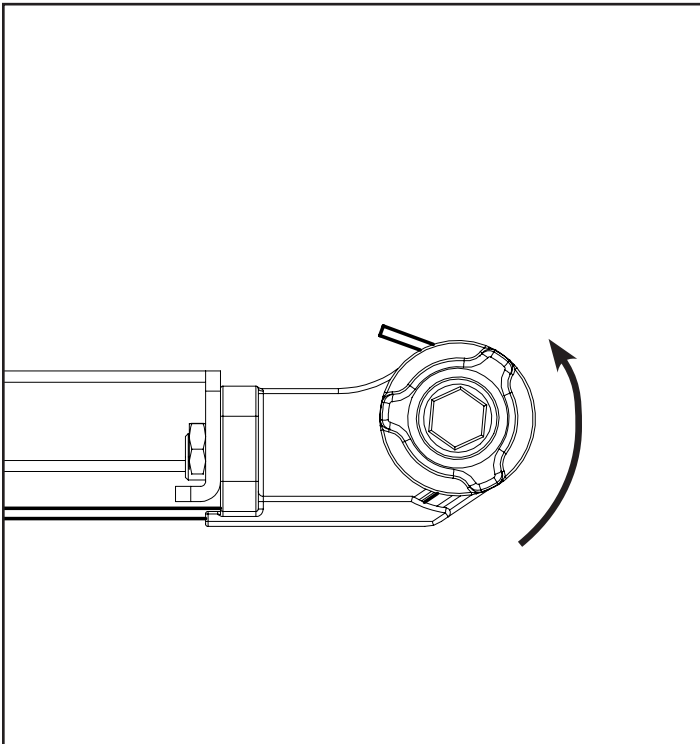
4-10: Loop the Short Belt over and feed it back through the gear box and back out the top of the Bottom Carriage.  
**Note:** The belt teeth should be facing towards the gear teeth.



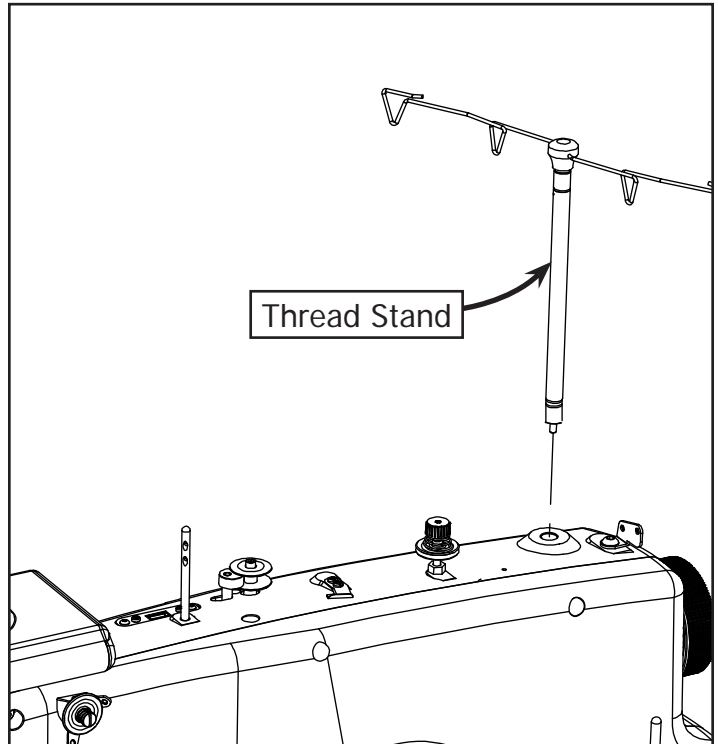
**4-11:** Pull the rest of the Short Belt through the QuiltMotion Motor Plate.



**4-12:** Place the Sewing Machine or Top Plate wheels on the Bottom Carriage and the Bottom Carriage onto the frame track.



**4-13:** Feed the free end of the Short Belt into the Belt Tensioner. Turn the right knob to tighten the belt all the way through the Tensioner. Once the belt is tight rotate the left knob clockwise to lock it in place.

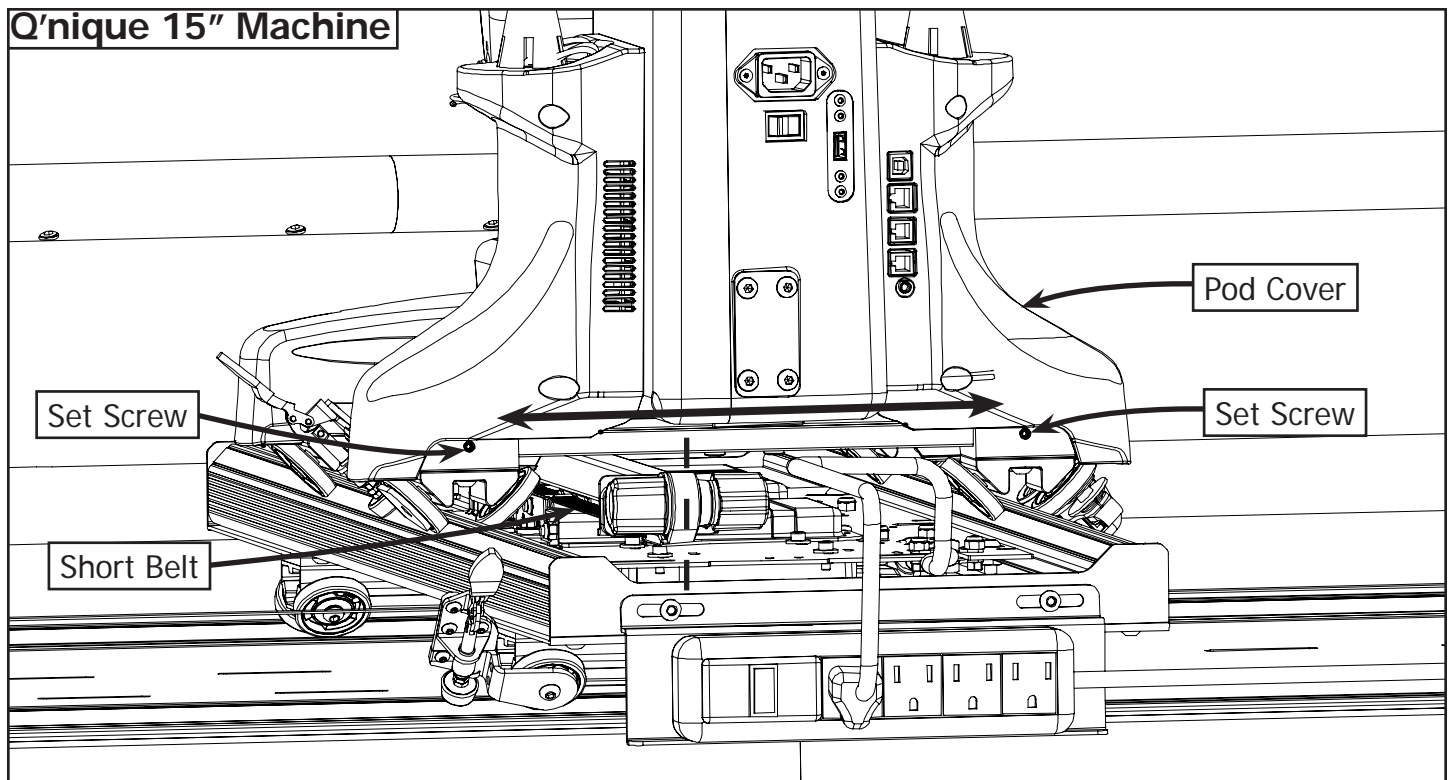


**4-14:** Re-install the Thread Stand onto your machine.

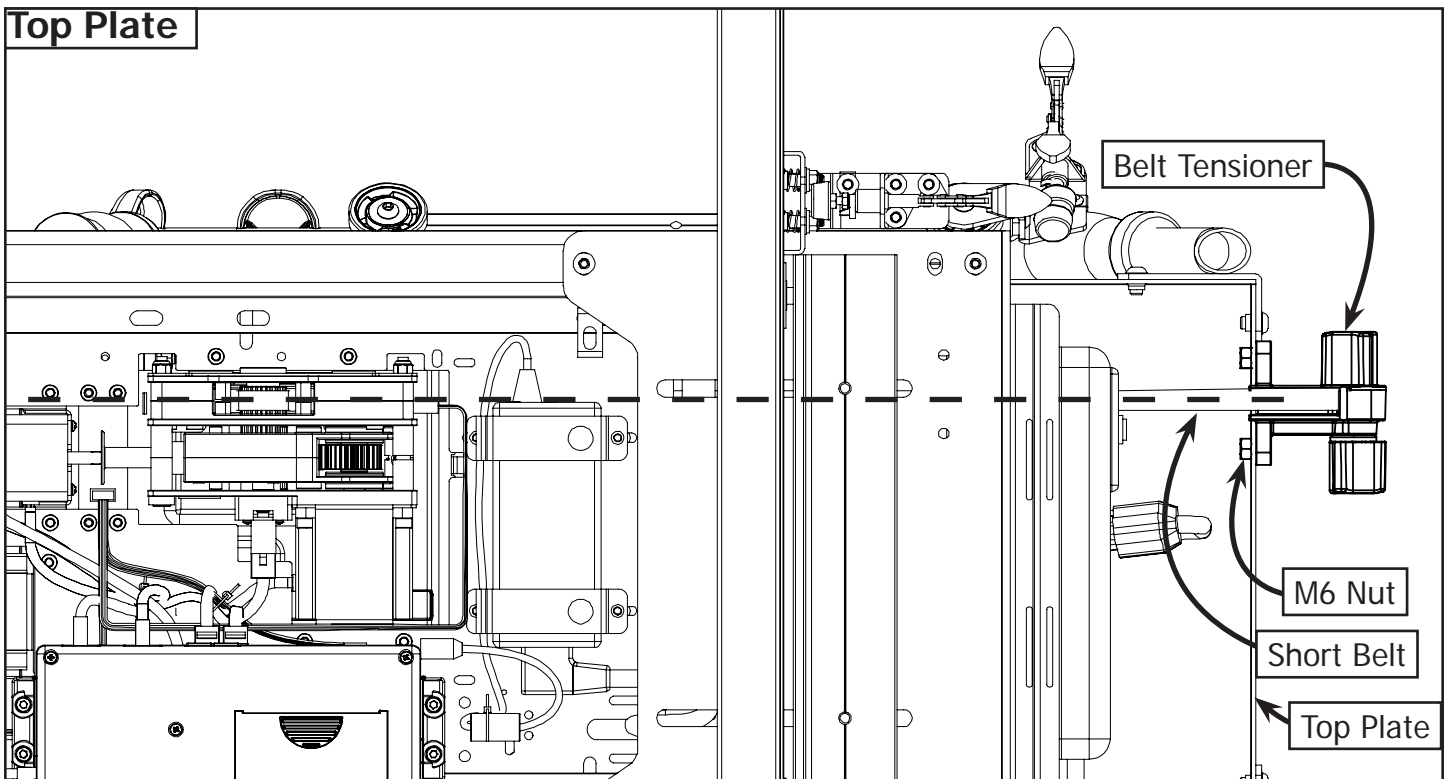
## Step 5 – Aligning the Belts

Tools Needed:

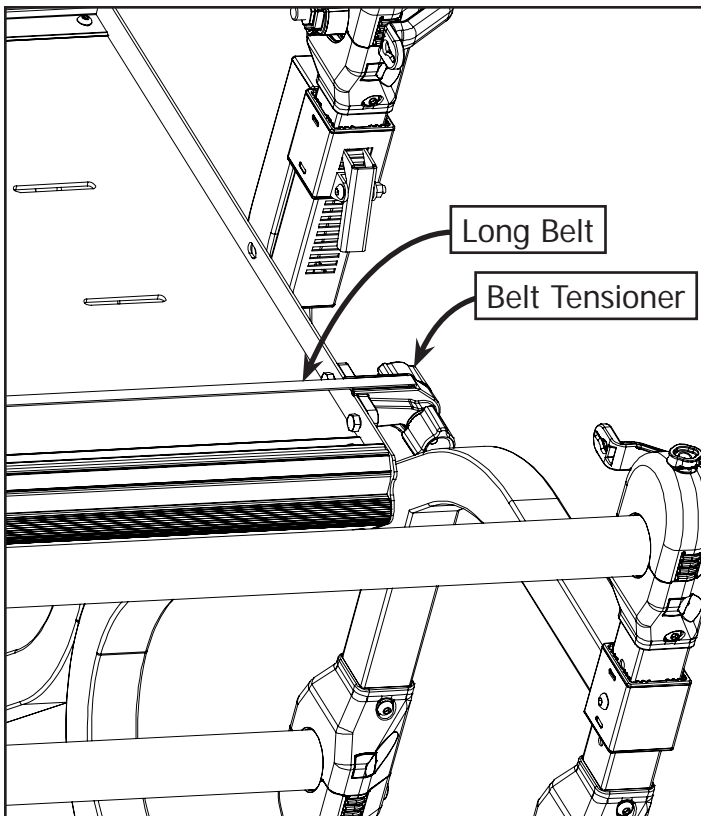
3mm Allen Wrench



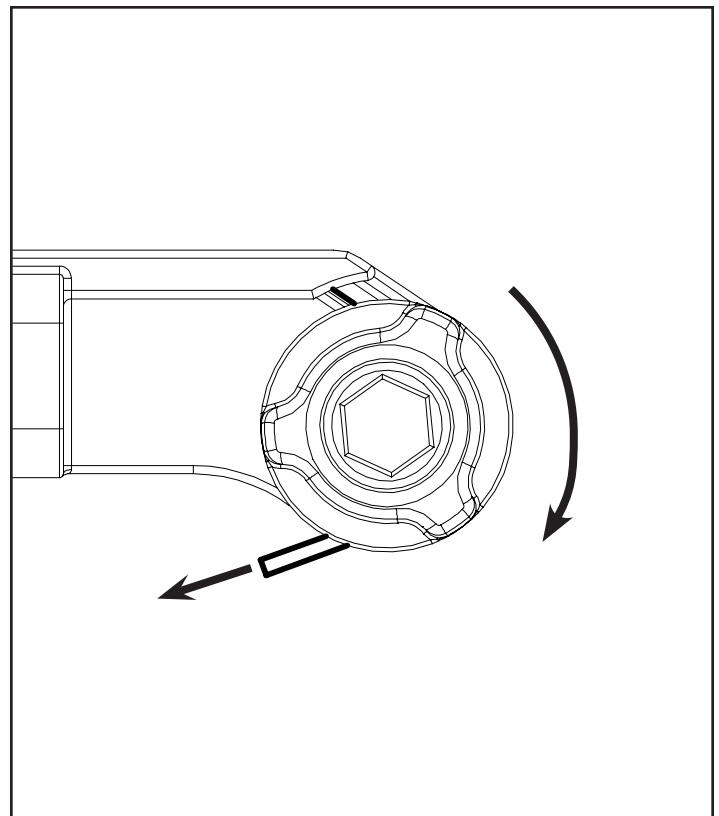
**5-1a:** Check the alignment of the short belt attached to the Top Belt Bracket. If it is bowed to one side loosen the set screws on the front and back wheels, and shift the machine until the belt is straight. Re-tighten the set screws and re-install the Pod Covers if they were removed.



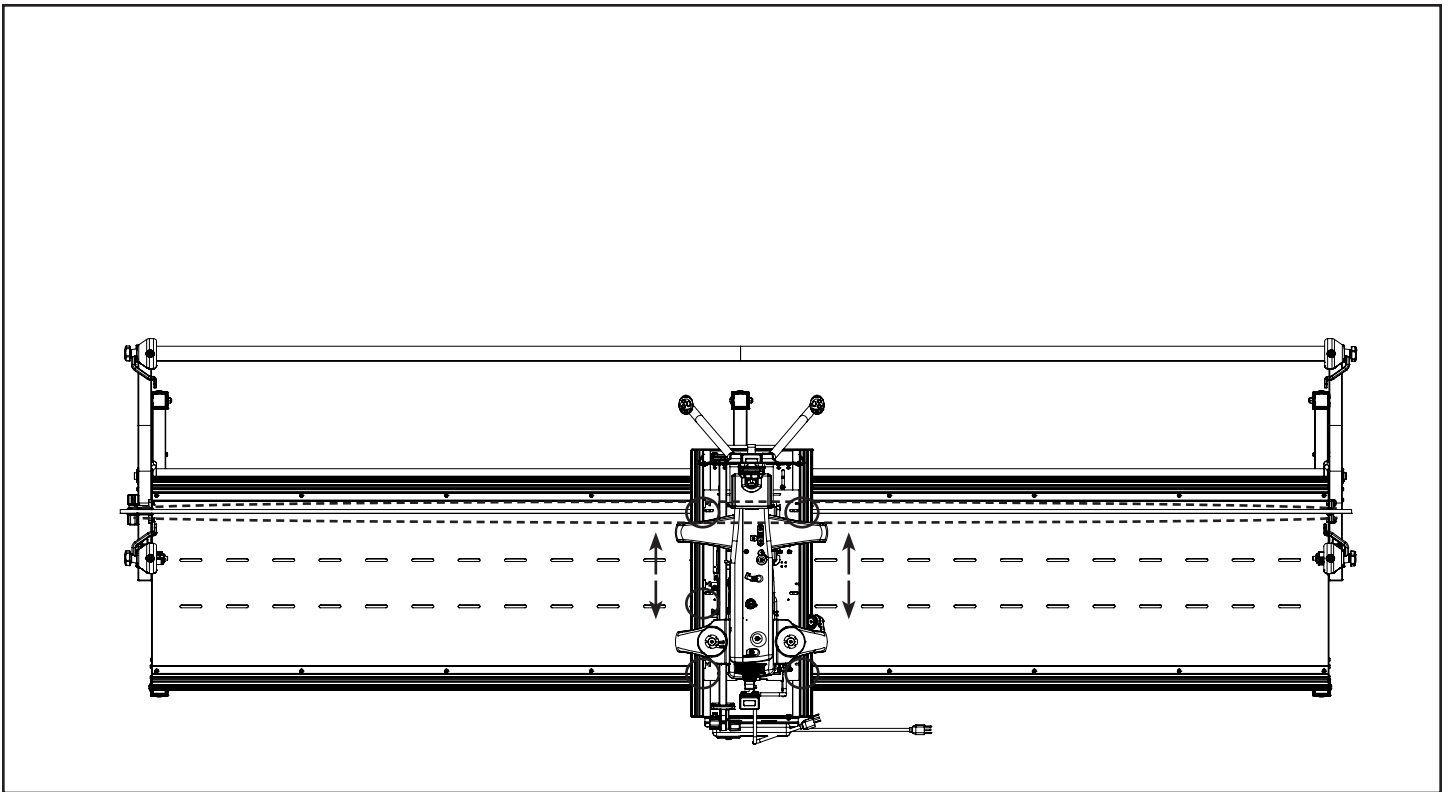
**5-1b:** Check the alignment of the belt attached to the Top Plate. If it is bowed to one side move the Top Plate as far back as possible. Loosen the (2) M6 Nuts on the Belt Tensioner and adjust until the Short Belt is aligned with the Motor Plate.



**5-2:** Insert the free end of the Long Belt into the Belt Tensioner Assembly.

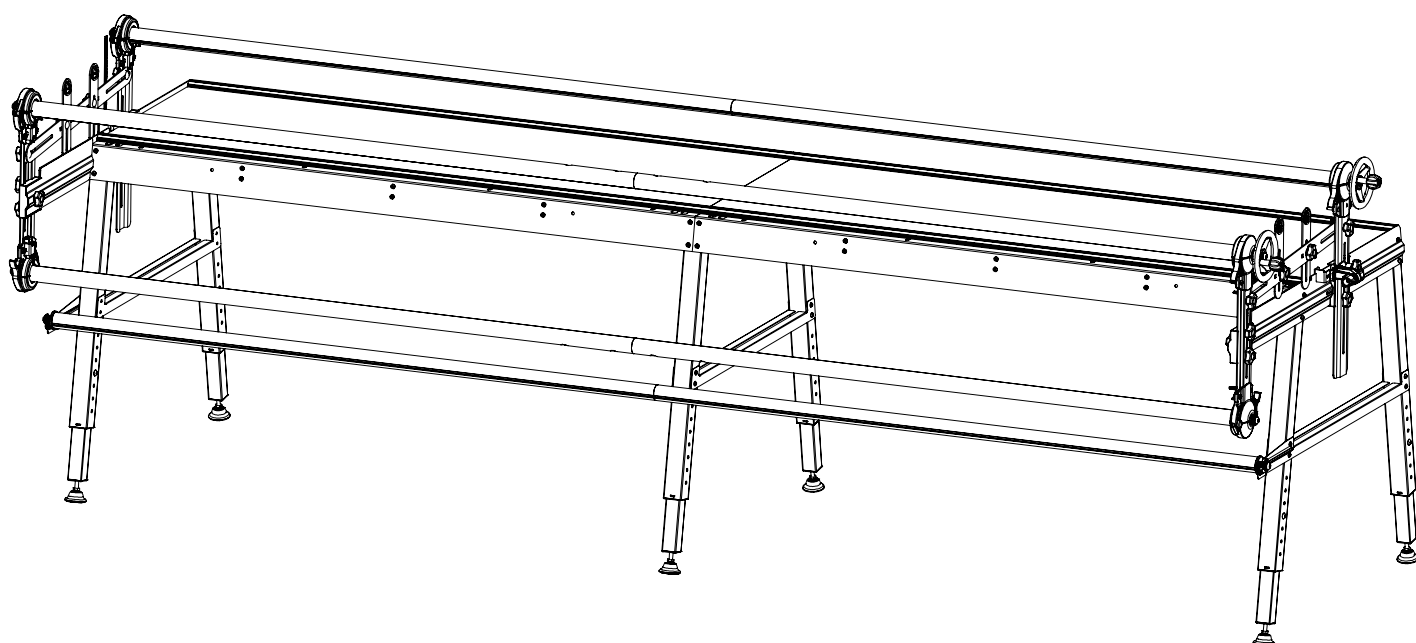


**5-3:** Twist the right Belt Tensioner knob to tighten the belt. Once the belt is tight rotate the left knob clockwise to lock it into place.



**5-4:** Loosen the (5) M6 x 20mm SBHCS from the Motor Plate. Adjust the Motor Plate to make sure there is no bow in the Long Belt. Once the Long Belt is straight tighten the (5) M6 x 20mm SBHCS on the Motor Plate.

**\*See Your QCT and Wiring Instructions Booklet\***



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### Bottom Carriage

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### Top Belt Bracket

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Step 3b: Short Belt Installation - Top Plate ..... page 140

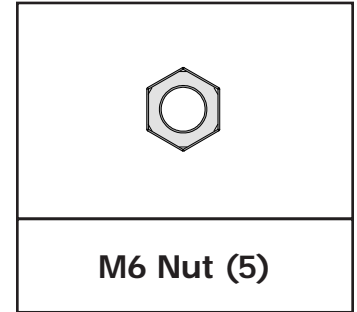
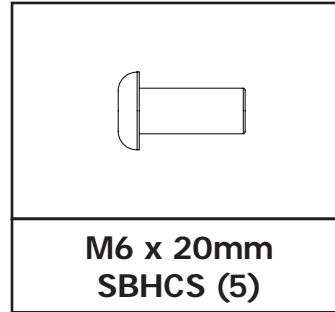
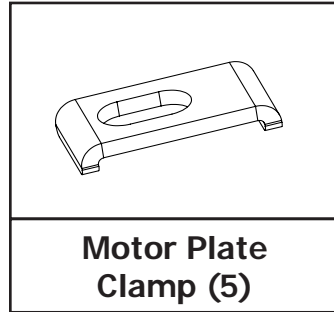
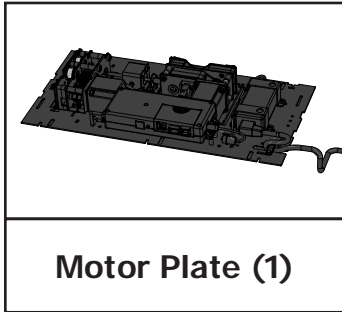
### Majestic Frame

Step 4: Long Belt Installation ..... page 142

Step 5: Aligning the Belts ..... page 148

## Step 1 – Motor Plate Installation

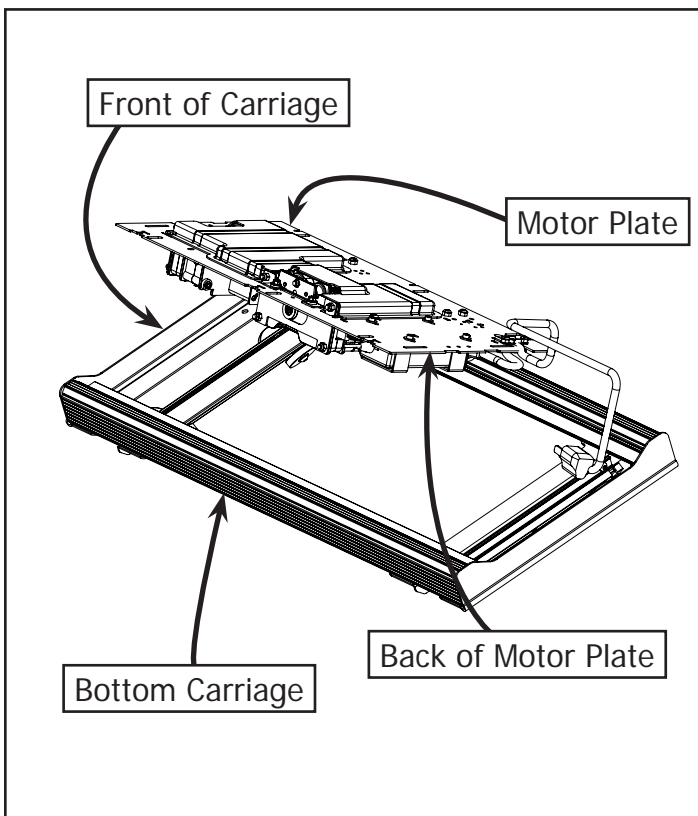
Parts Needed:



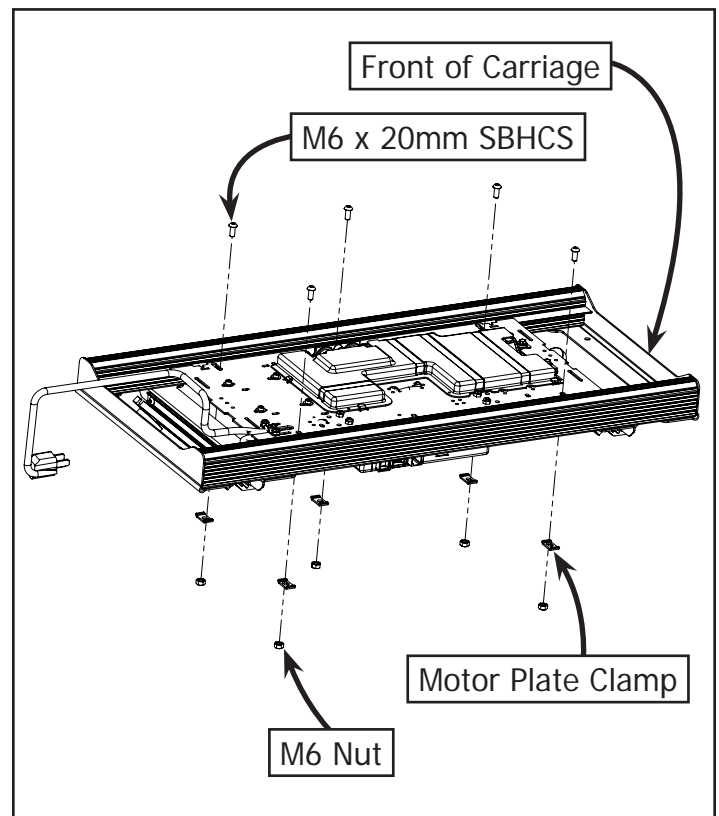
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



**1-1:** Insert the Motor Plate into the Bottom Carriage at an angle.

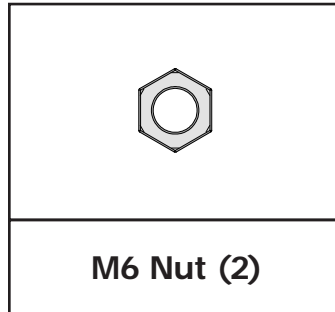
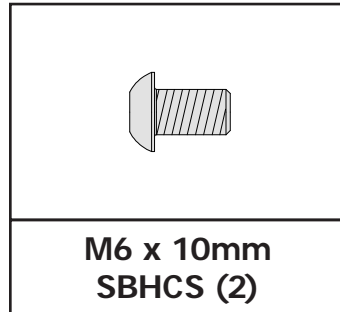
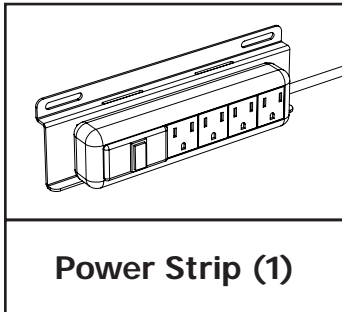


**1-2:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS and (5) M6 Nuts through the slots in the Bottom Carriage.



## Step 2 – Power Strip Installation

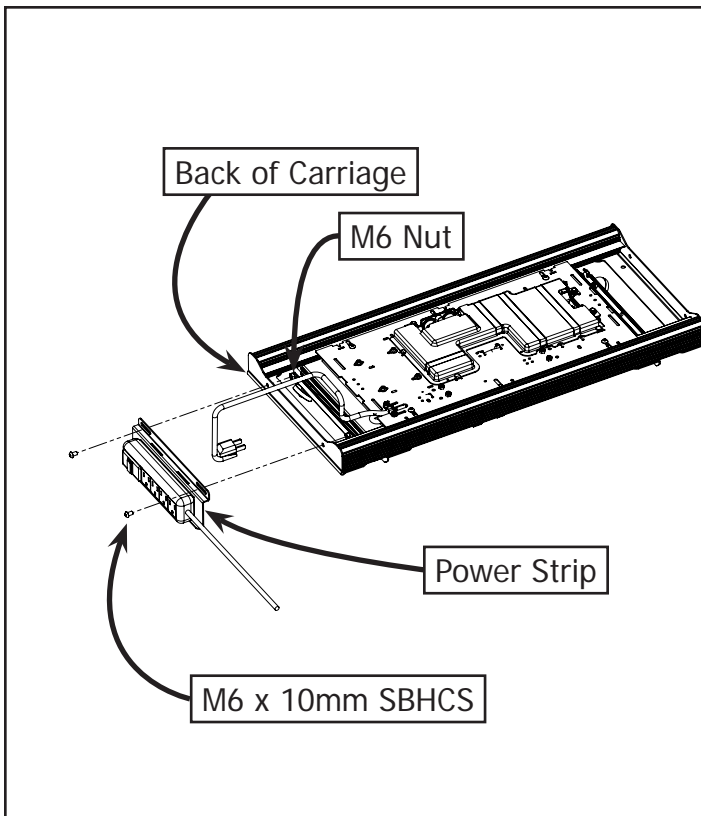
Parts Needed:



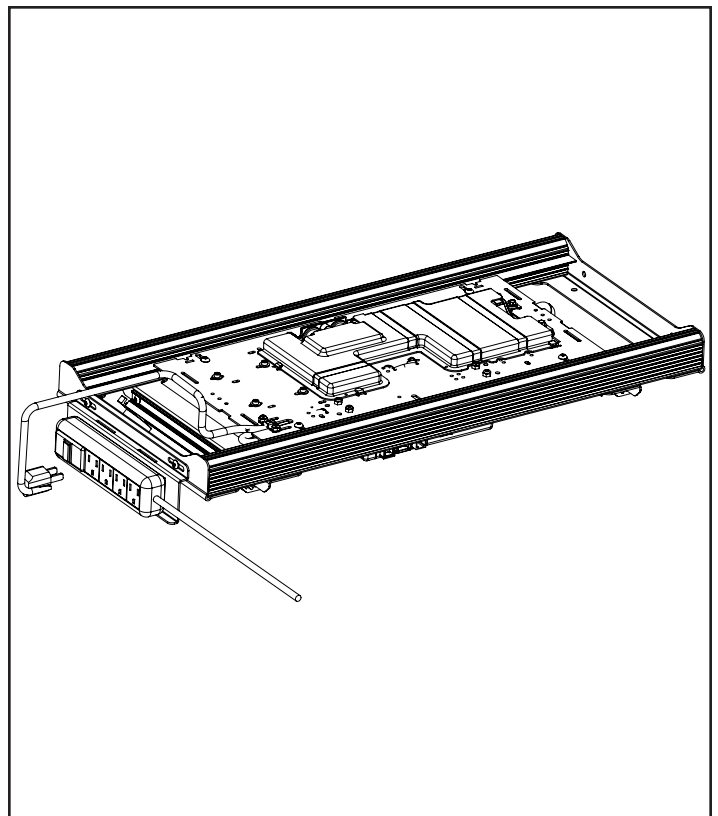
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



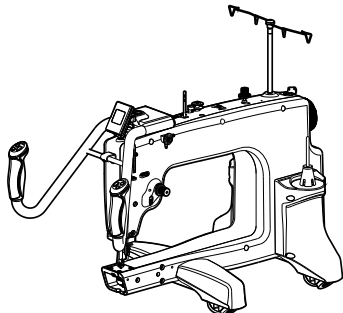
**2-1:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.



**2-2:** Plug the Motor Plate into the Power Strip.

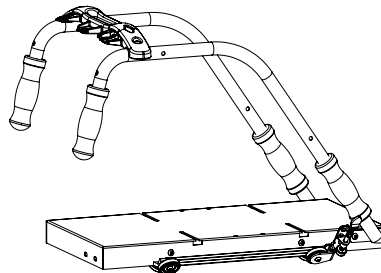
## Step 3 – Choose your Machine or Top Plate.

Proceed to the page number associated with your Machine or Top Plate.



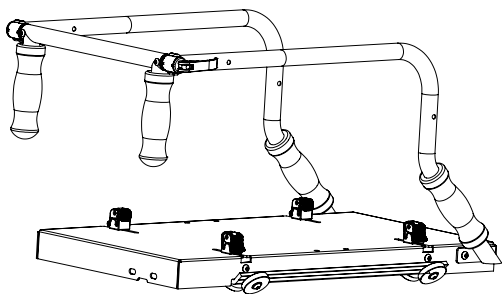
### **Q'nique 15**

Turn to page 138



### **G-Series Top Plate**

Turn to page 140

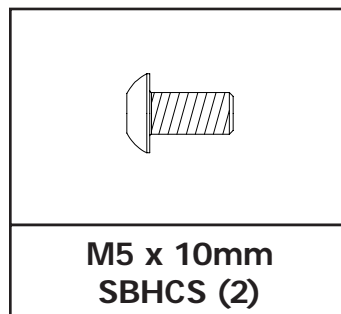
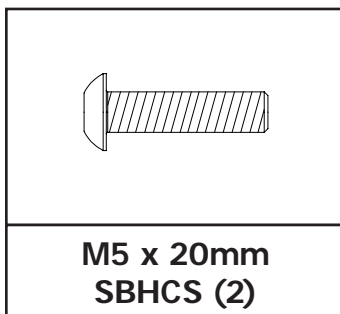
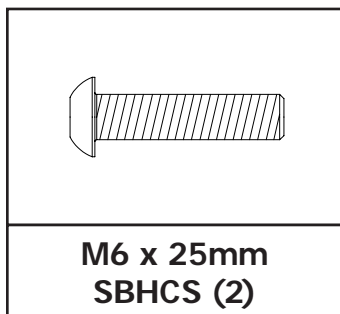
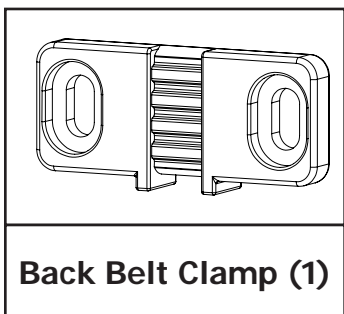
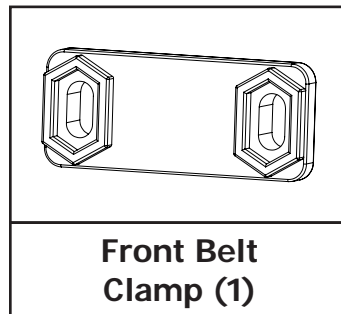
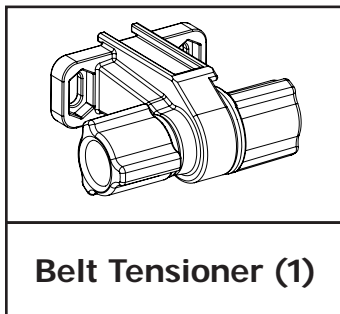
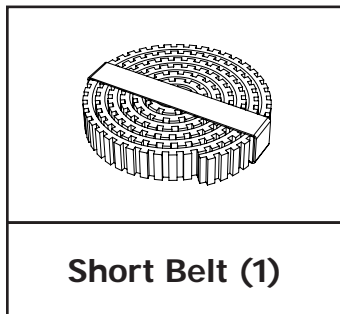
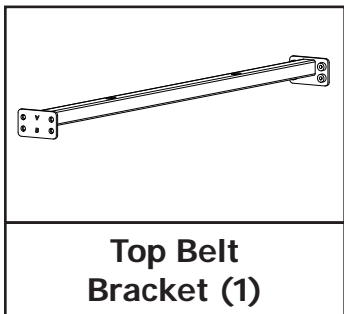


### **G-Series 2 Top Plate**

Turn to page 140

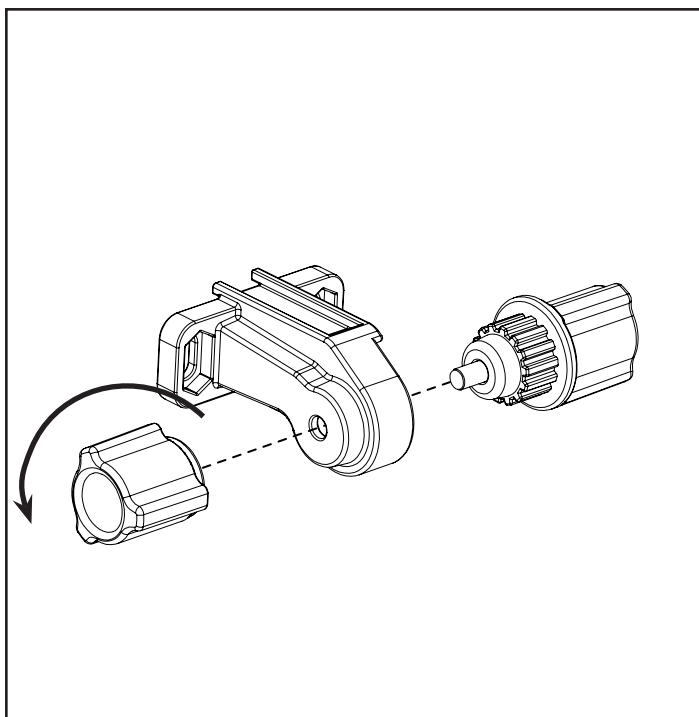
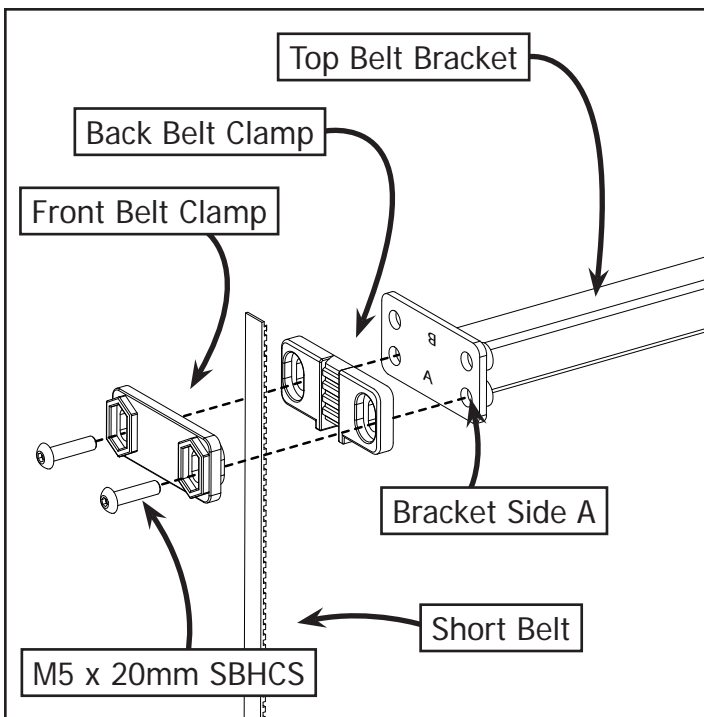
### Step 3a – Short Belt Installation - Q'nique 15"

Parts Needed:



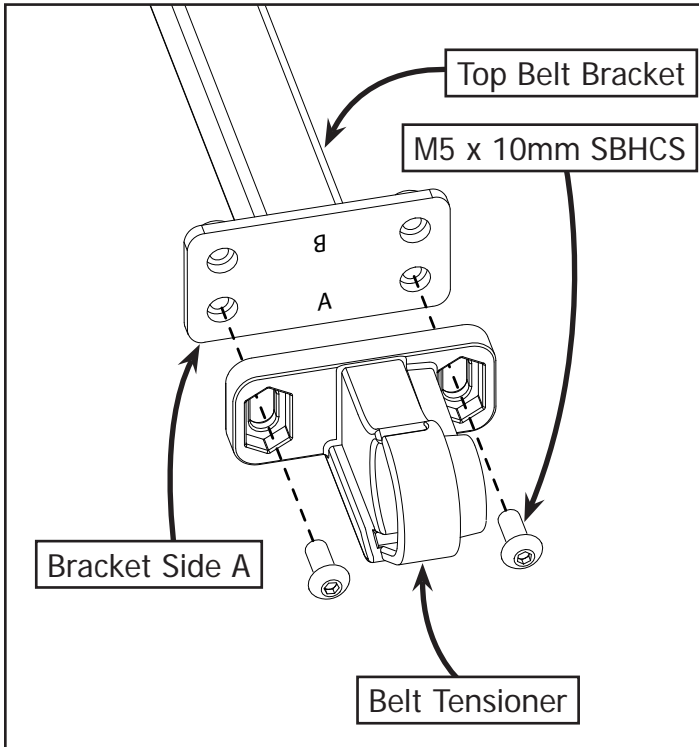
Tools Needed:

- 3mm Allen Wrench
- 4mm Allen Wrench

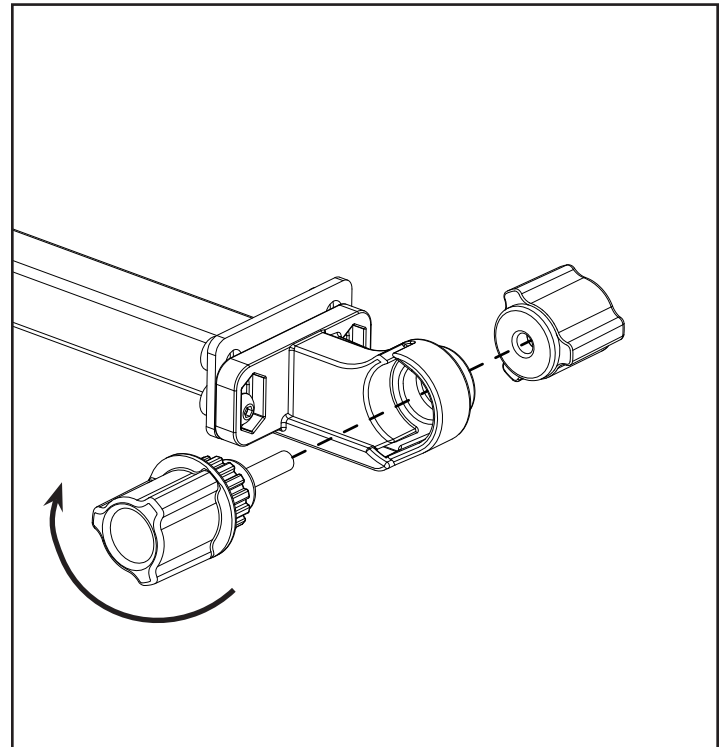


**3-1a:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side A.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.

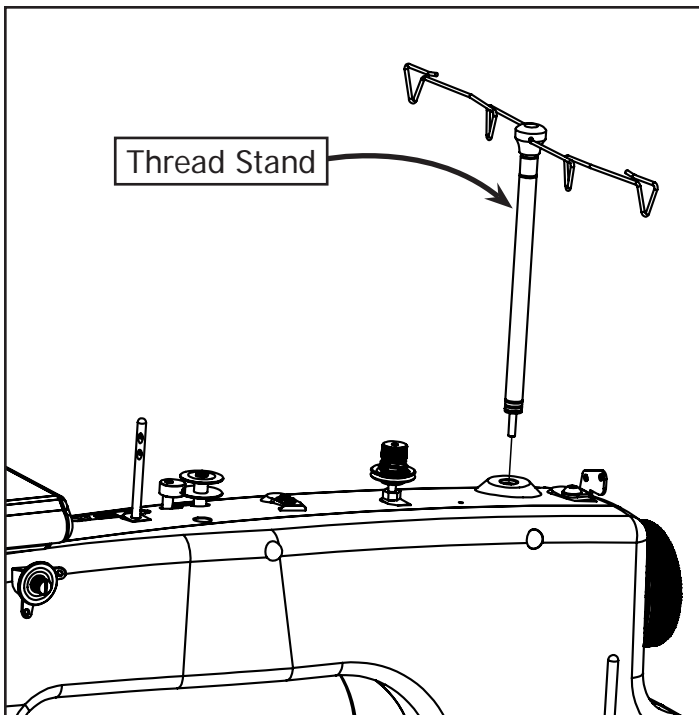
**3-2a:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



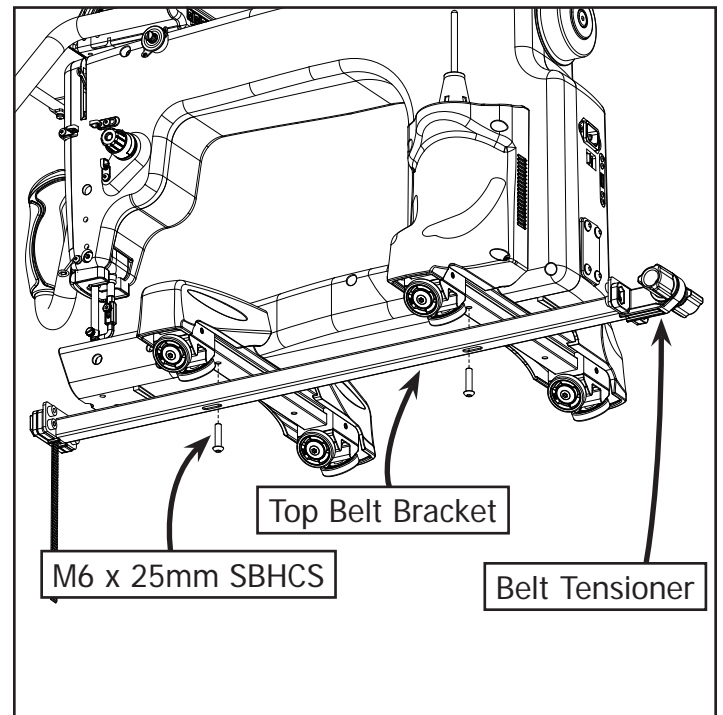
**3-3a:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side A using (2) M5 x 10mm SBHCS.



**3-4a:** Re-Install the Belt Tensioner Knobs.



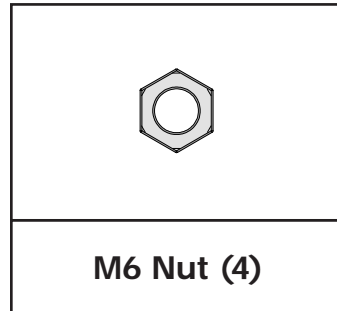
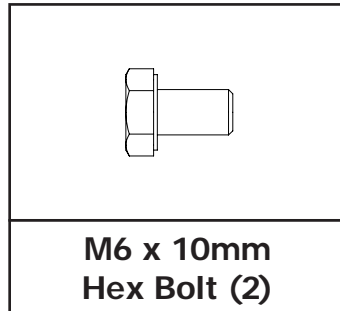
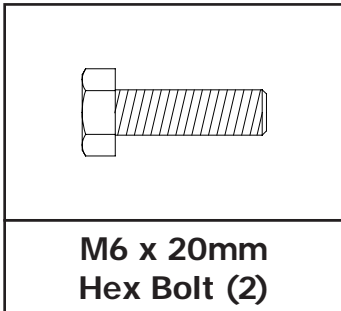
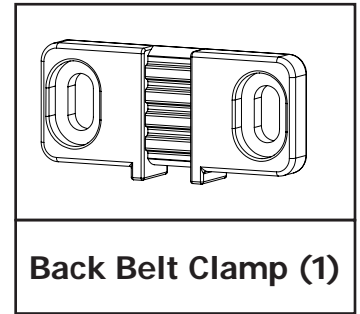
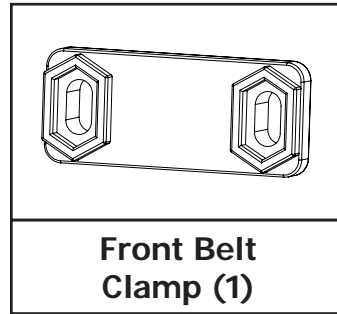
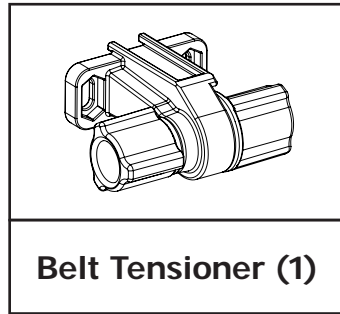
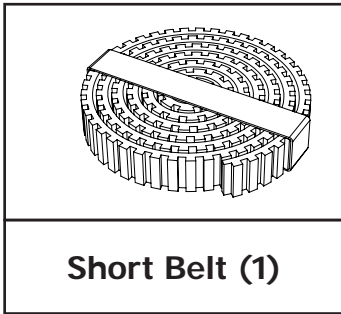
**3-5a:** Remove the Thread Stand from your machine. See your machine manual for instructions.



**3-6a:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.

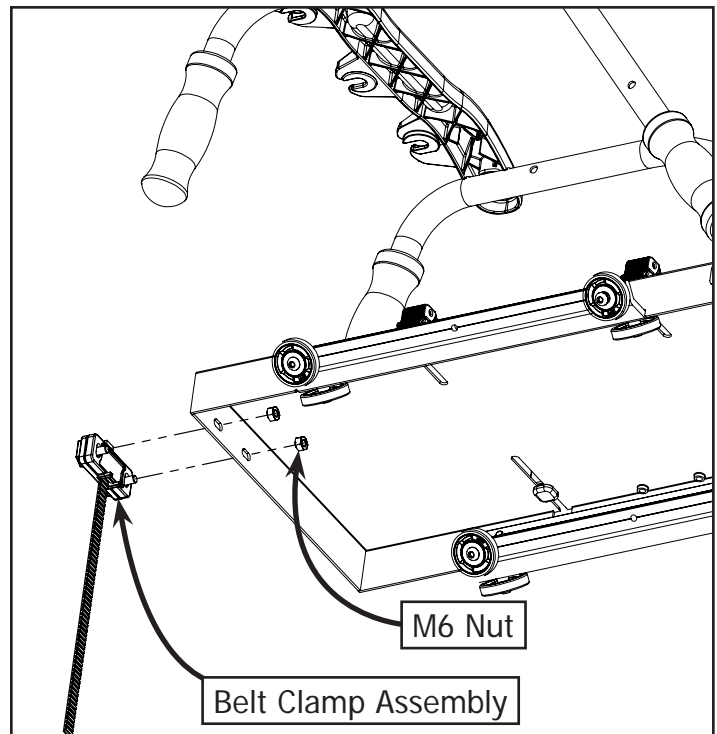
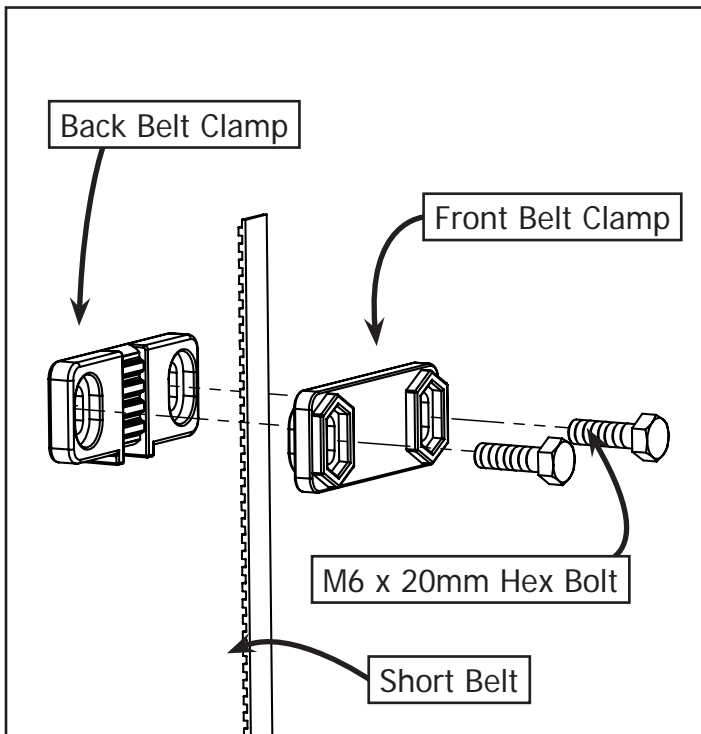
## Step 3b – Short Belt Installation - Top Plate

Parts Needed:



Tools Needed:

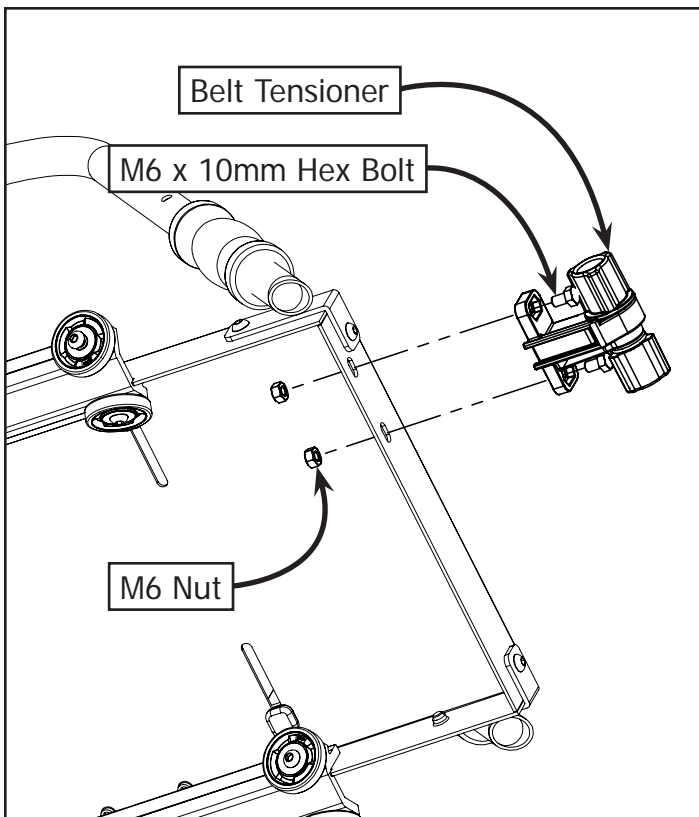
10mm & 13mm Open End Wrench



**3-1b:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and place (2) M6 x 20mm Hex Bolts through the Belt Clamp.

**3-2b:** Assemble the completed assembly (from Step 3-1b) to the front end of the Top Plate using (2) M6 Nuts.

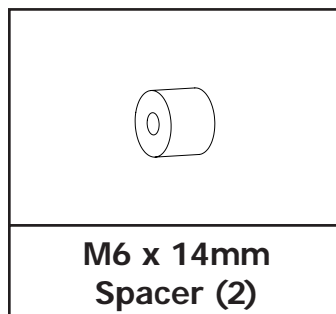
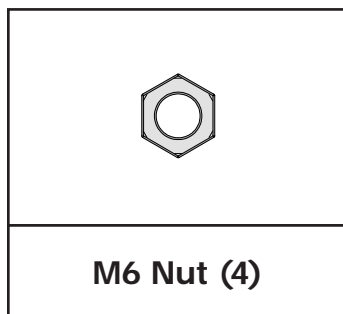
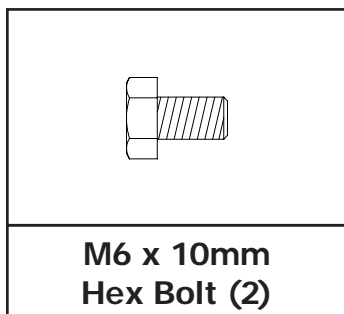
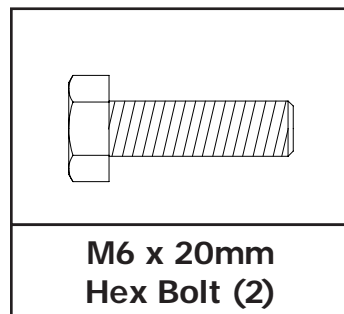
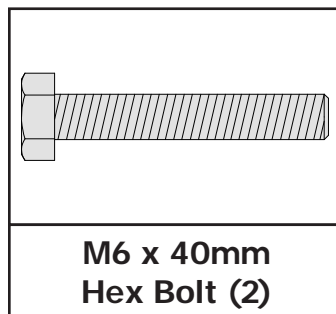
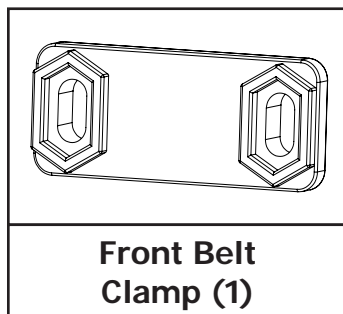
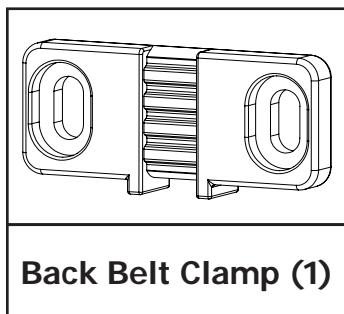
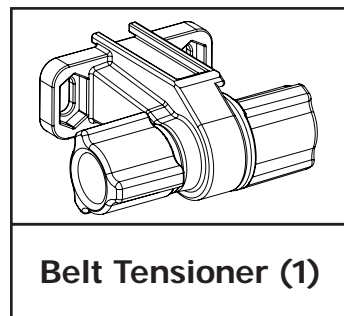
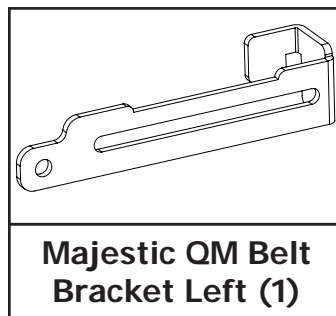
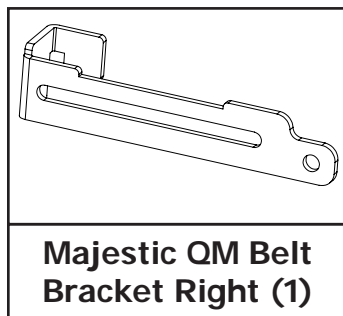
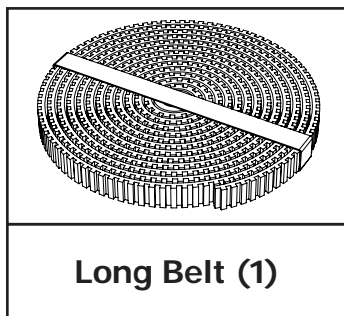
**Note:** The teeth of the belt should be facing towards the Top Plate.



**3-3b:** Assemble the Belt Tensioner onto the opposite end of the Top Plate using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.

## Step 4 - Long Belt Installation

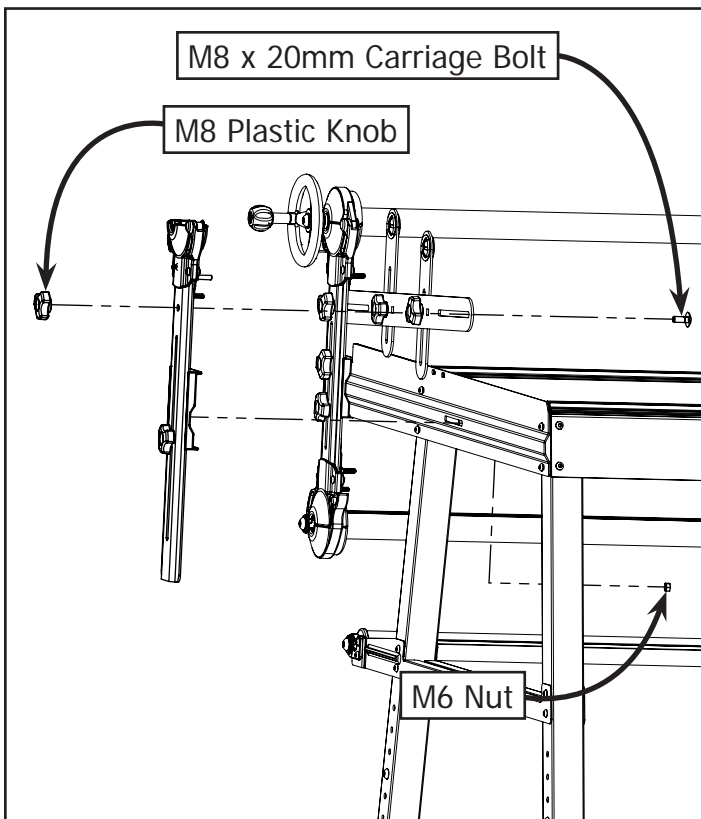
Parts Needed:



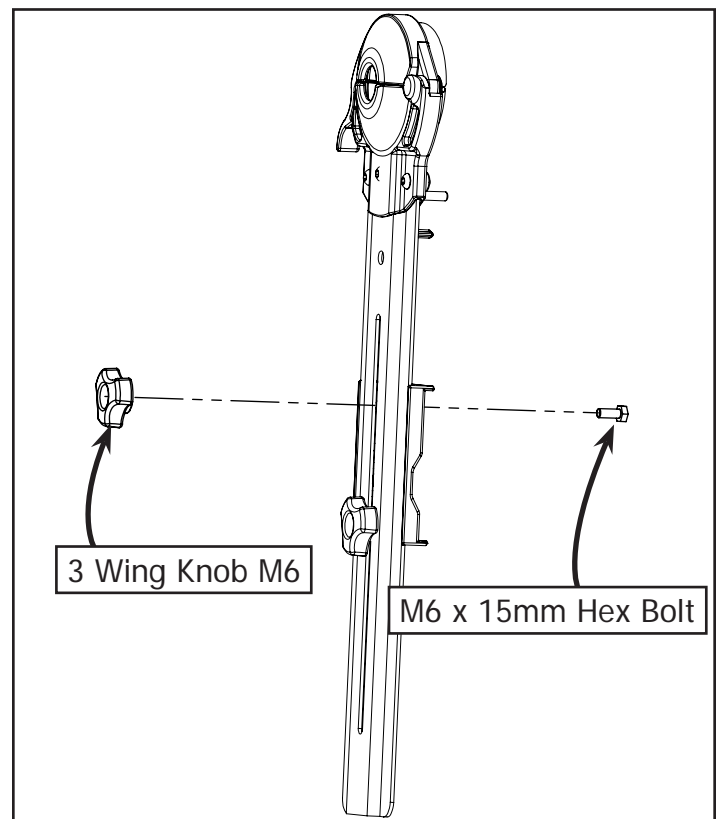
Tools Needed:

10mm & 13mm Box End Wrench

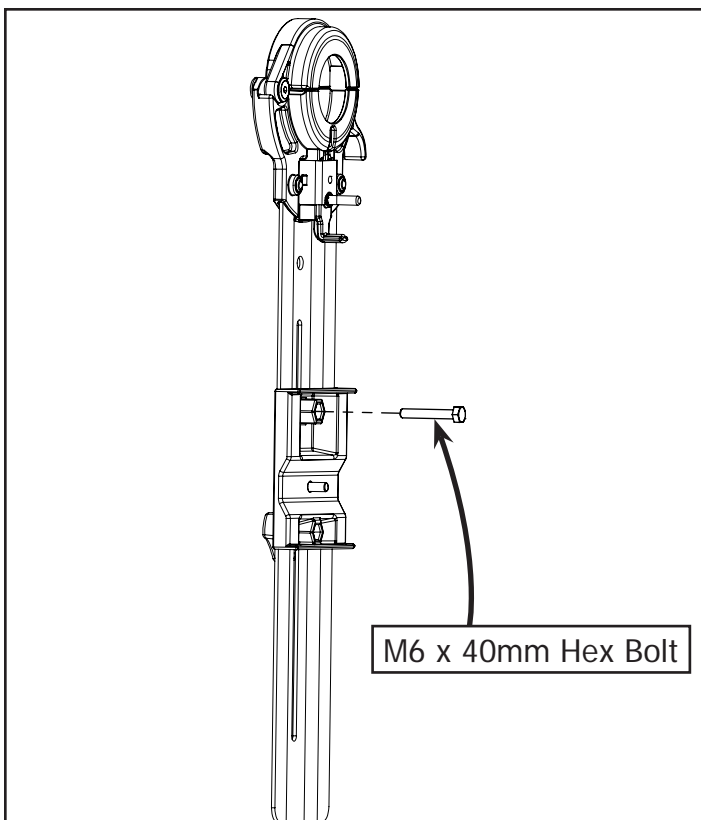
# Majestic Frame | QuiltMotion



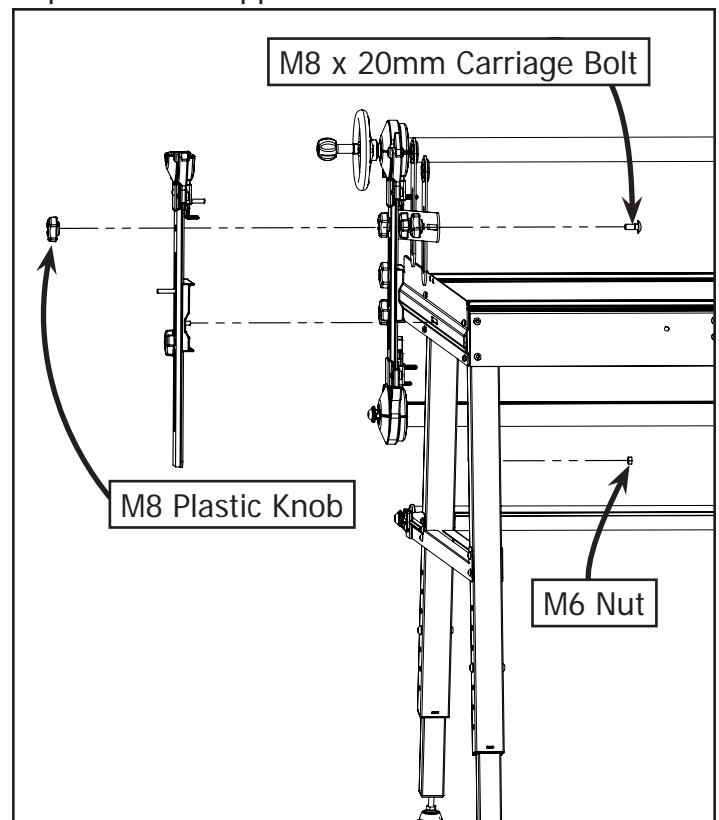
**4-1:** Remove the Rear Take Up Rail Bracket from the Right Side of the Frame. Repeat for the opposite side.



**4-2:** Remove the 3 Wing Knob M6 and the M6 x 15mm Hex Bolt from the Take Up Rail Bracket. Repeat for the opposite side.

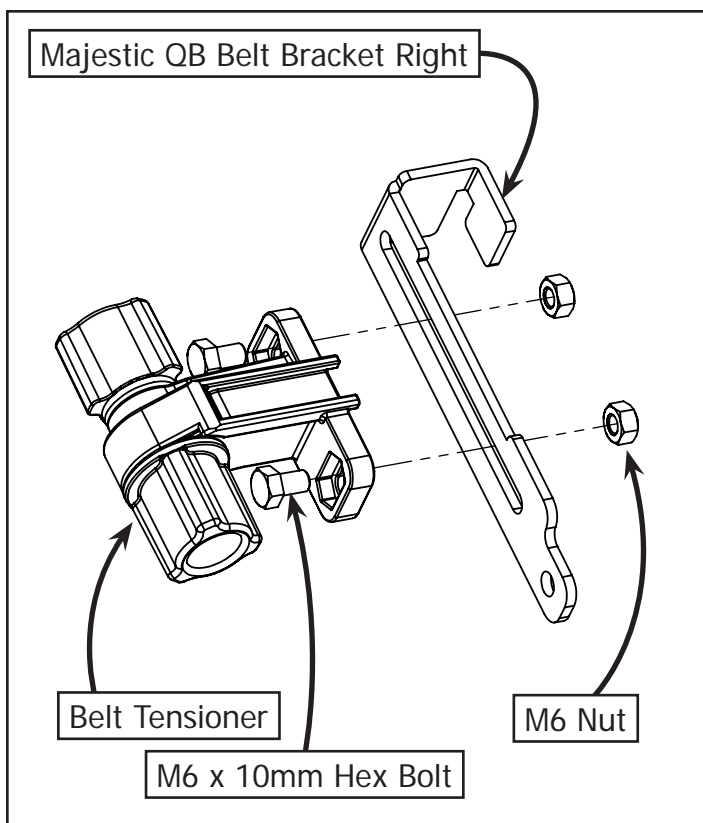


**4-3:** Install the M6 x 40mm Hex Bolt in the Take Up Rail Bracket. Repeat for the opposite side.

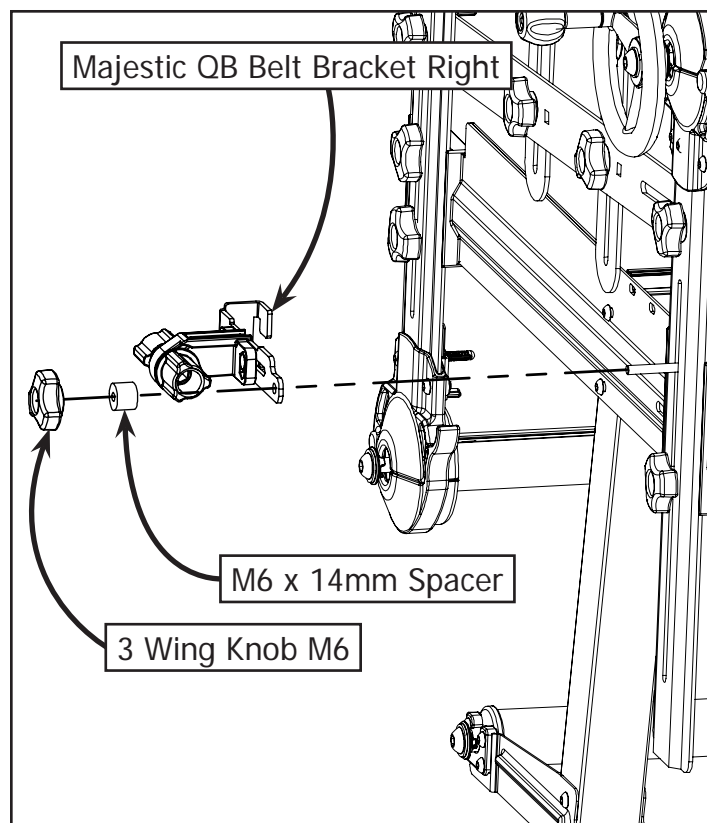


**4-4:** Re-Install the Rear Take Up Rail Bracket on the Right Side of the Frame. Repeat for the opposite side.

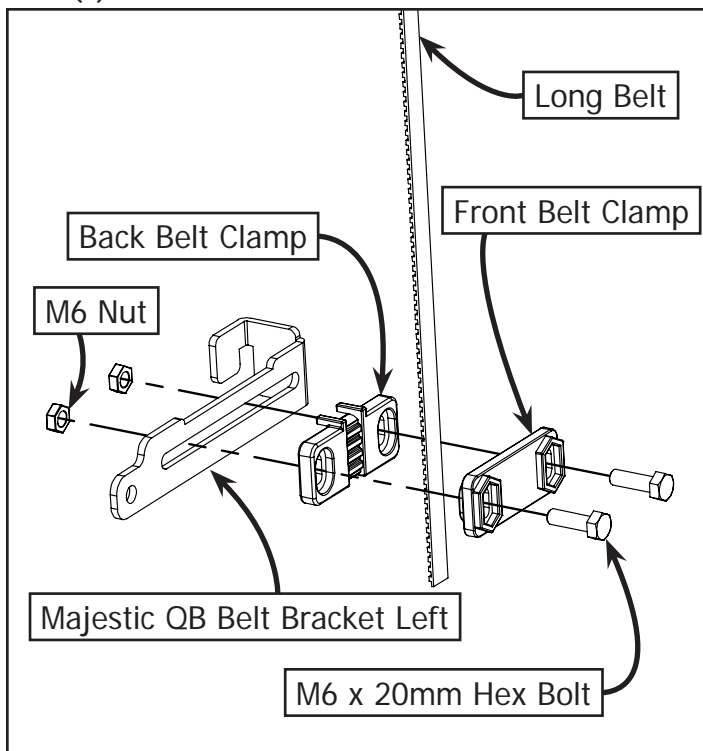




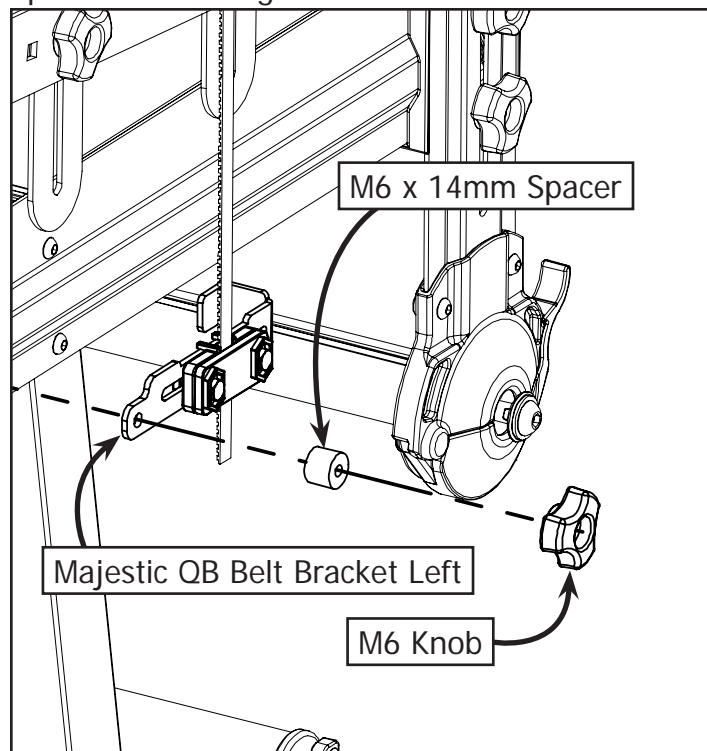
**4-5:** Install the Belt Tensioner to the Majestic QM Belt Bracket Right using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.



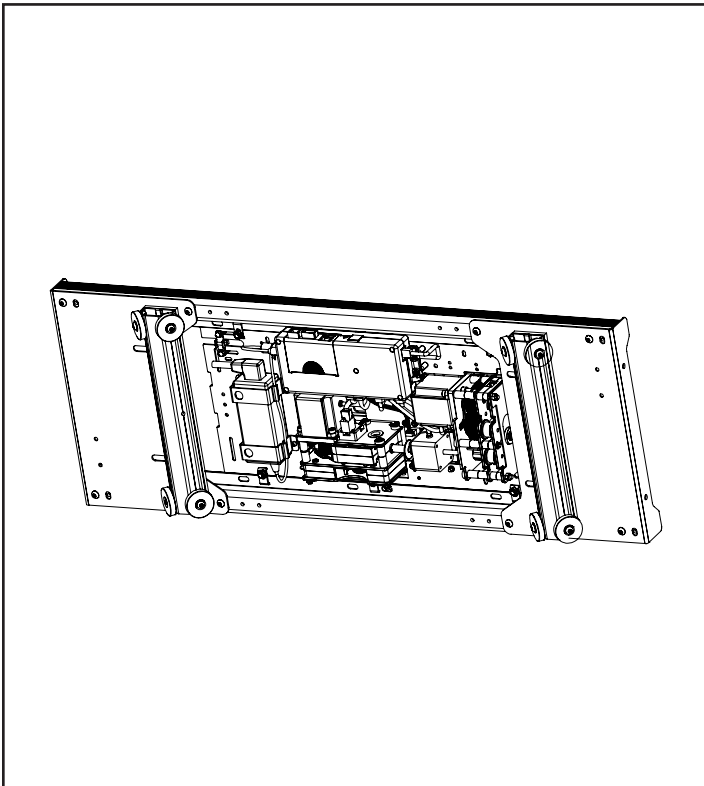
**4-6:** Install the Majestic QM Belt Bracket Right to the right side of the frame using the M6 x 14mm Spacer and 3 Wing Knob M6.



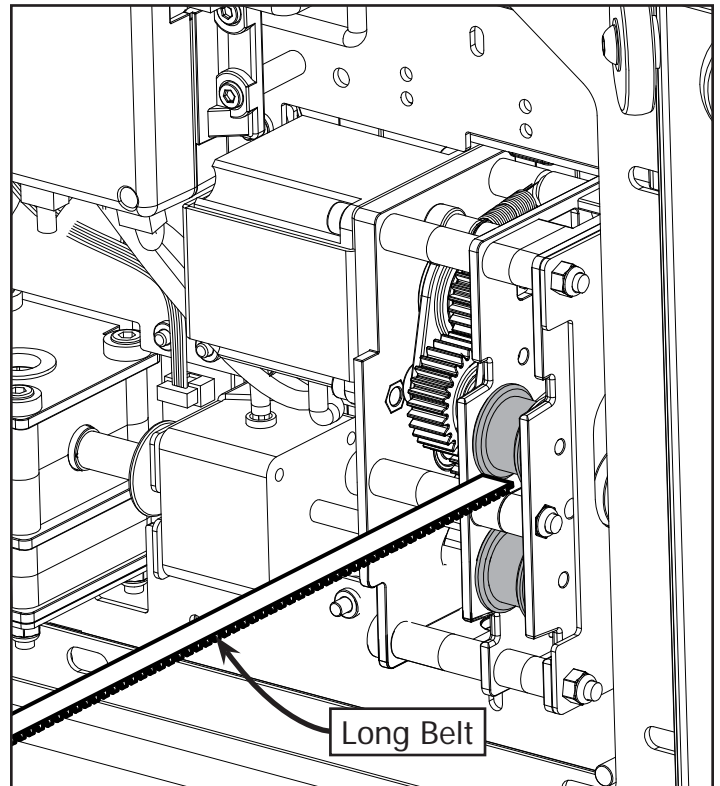
**4-7:** Place the most curly end of the Long Belt between the Back Belt Clamp and Front Belt Clamp. Install the Belt Clamp to the Majestic QM Belt Bracket Left using (2) M6 x 20mm Hex Bolts and (2) M6 Nuts.



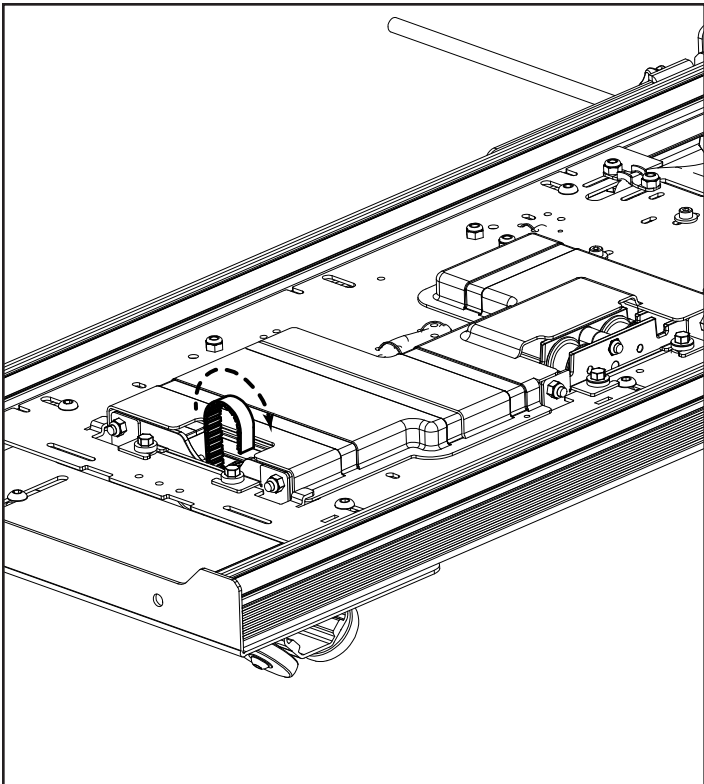
**4-8:** Install the Majestic QM Belt Bracket Left onto the left side of the frame using the M6 x 14mm Spacer and M6 Knob.



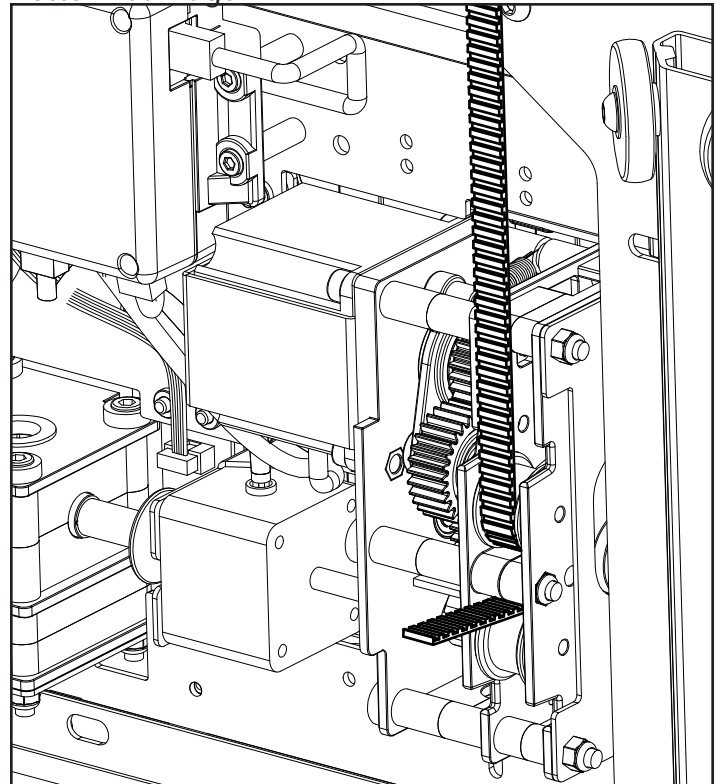
4-9: Tilt the Bottom Carriage onto its side.



4-10: Keep the Long Belt flat and thread the Long Belt into the gearbox in the QuiltMotion Motor Plate from the bottom until it comes out the top of the Bottom Carriage.

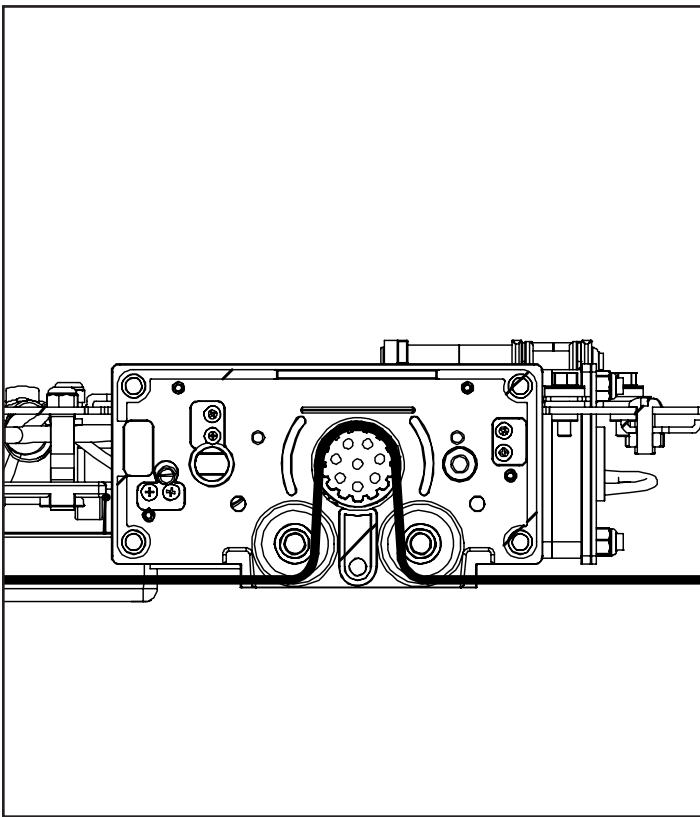


4-11: Loop the Long Belt over and feed it back through the gear box and back out the bottom of the Bottom Carriage.

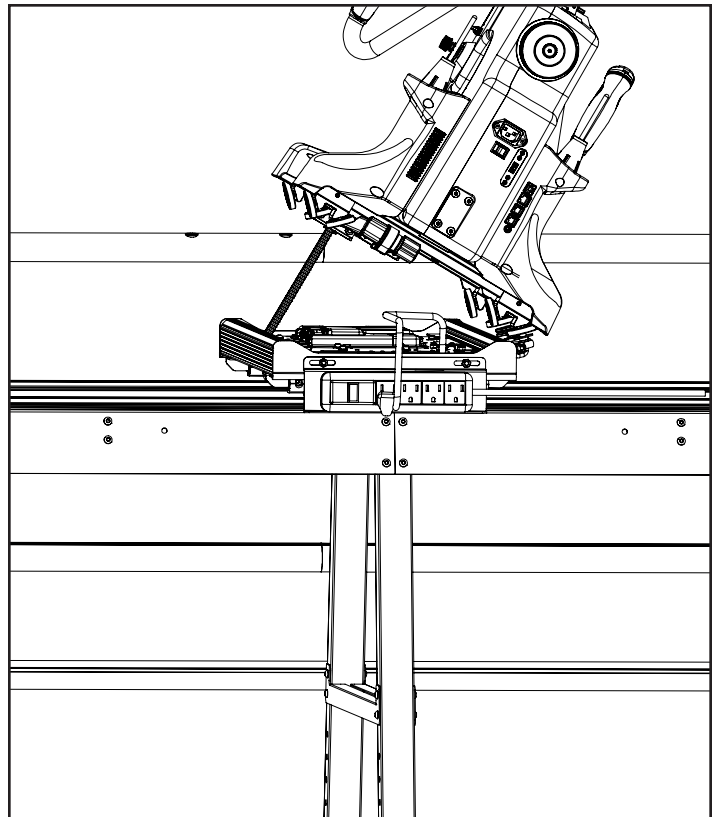


4-12: Pull the rest of the Long Belt through the QuiltMotion Motor Plate.

**Note:** Do not insert the belt into the Belt Tensioner Assembly yet.

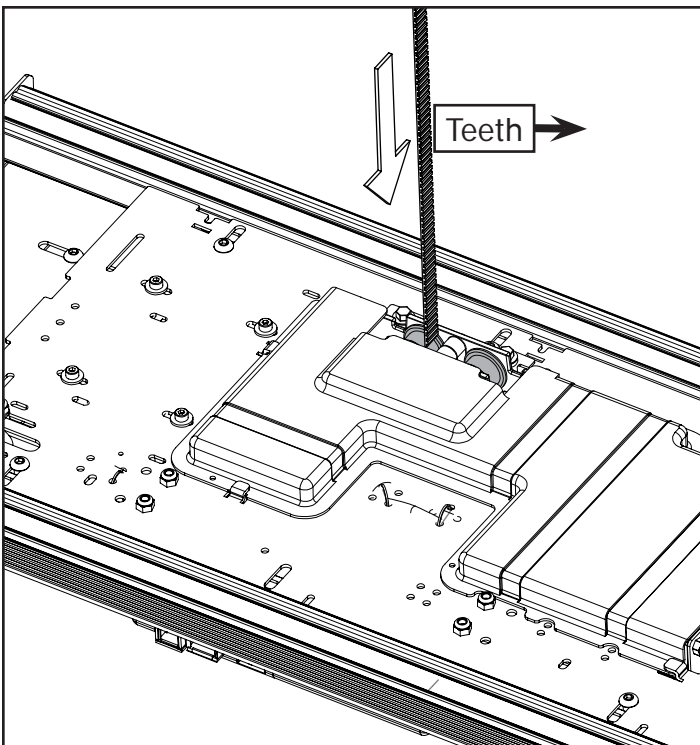


**4-13:** Belt will be routed as shown.



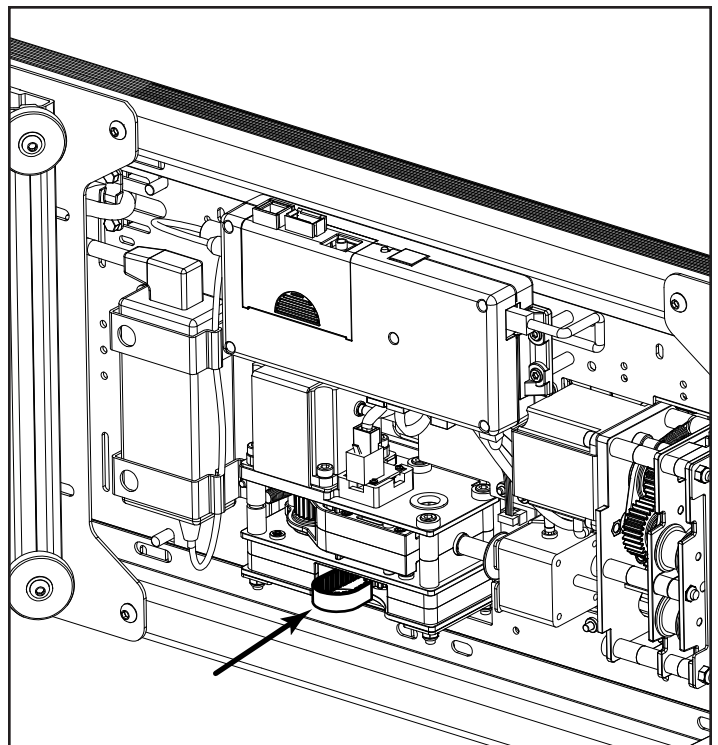
**4-14:** Place Sewing Machine or Top Plate at an angle on the carriage.

**Note:** This step will require 2 people.



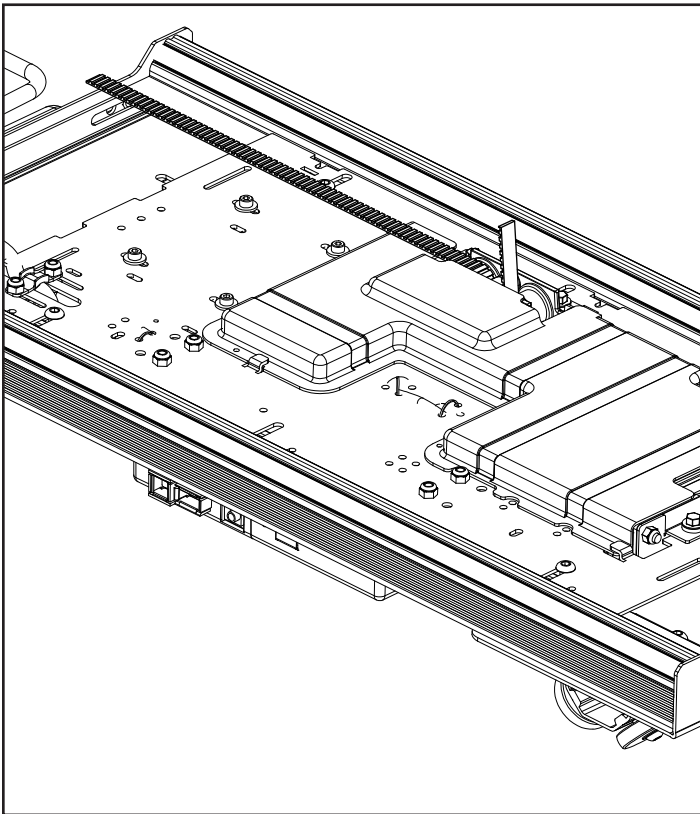
**4-15:** Thread the free end of the Short Belt into the gear box in the QuiltMotion Motor Plate from the top until it comes out the bottom of the carriage.

**Note:** Keep the belt flat without any twists.

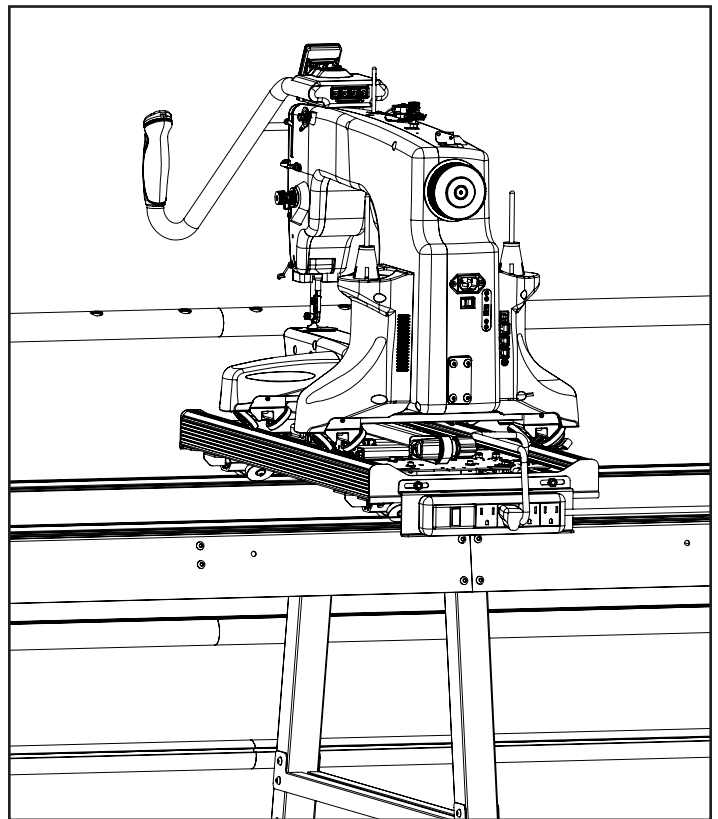


**4-16:** Loop the Short Belt over and feed it back through the gear box and back out the top of the Bottom Carriage.

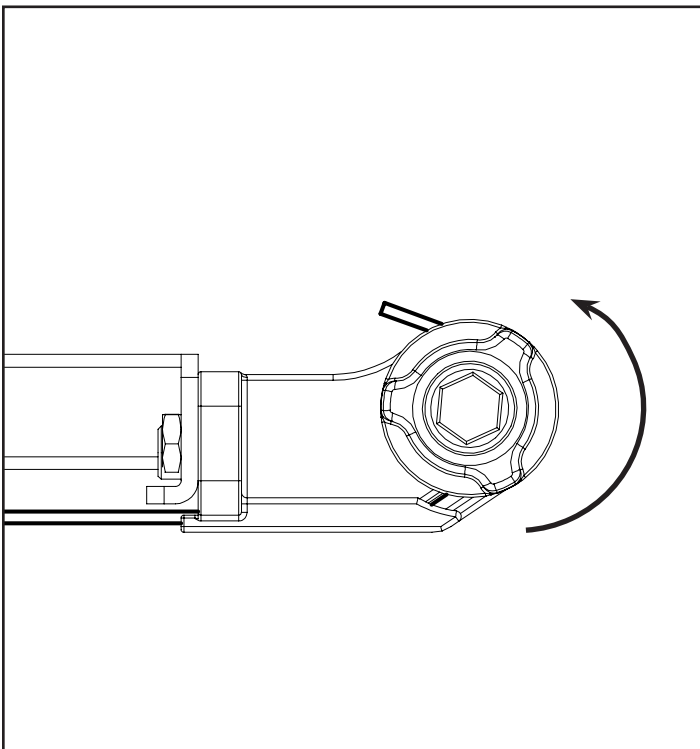
**Note:** The belt teeth should be facing towards the gear teeth.



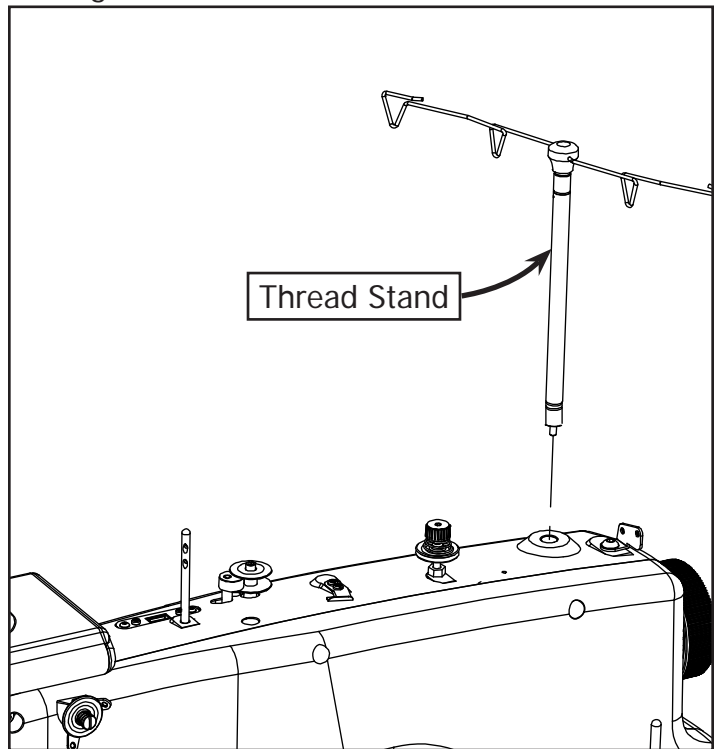
**4-17:** Pull the rest of the Short Belt through the QuiltMotion Motor Plate.



**4-18:** Place the Sewing Machine or Top Plate wheels on the Bottom Carriage and the Bottom Carriage onto the frame track.



**4-19:** Feed the free end of the Short Belt into the Belt Tensioner. Turn the right knob to tighten the belt all the way through the Tensioner. Once the belt is tight rotate the left knob clockwise to lock it in place. Repeat for the Long Belt.



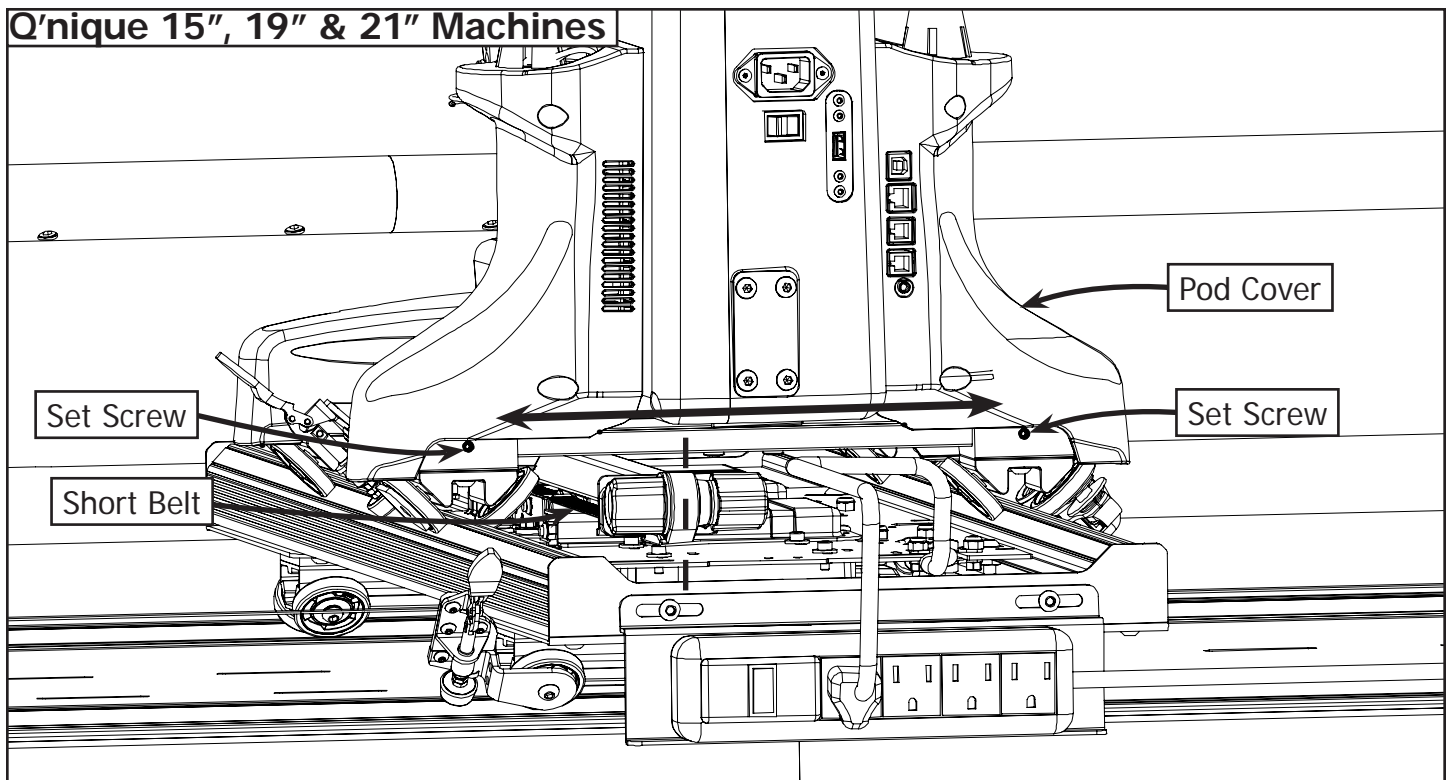
**4-20:** Re-install the Thread Stand onto your machine.

## Step 5 - Aligning the Belts

Tools Needed:

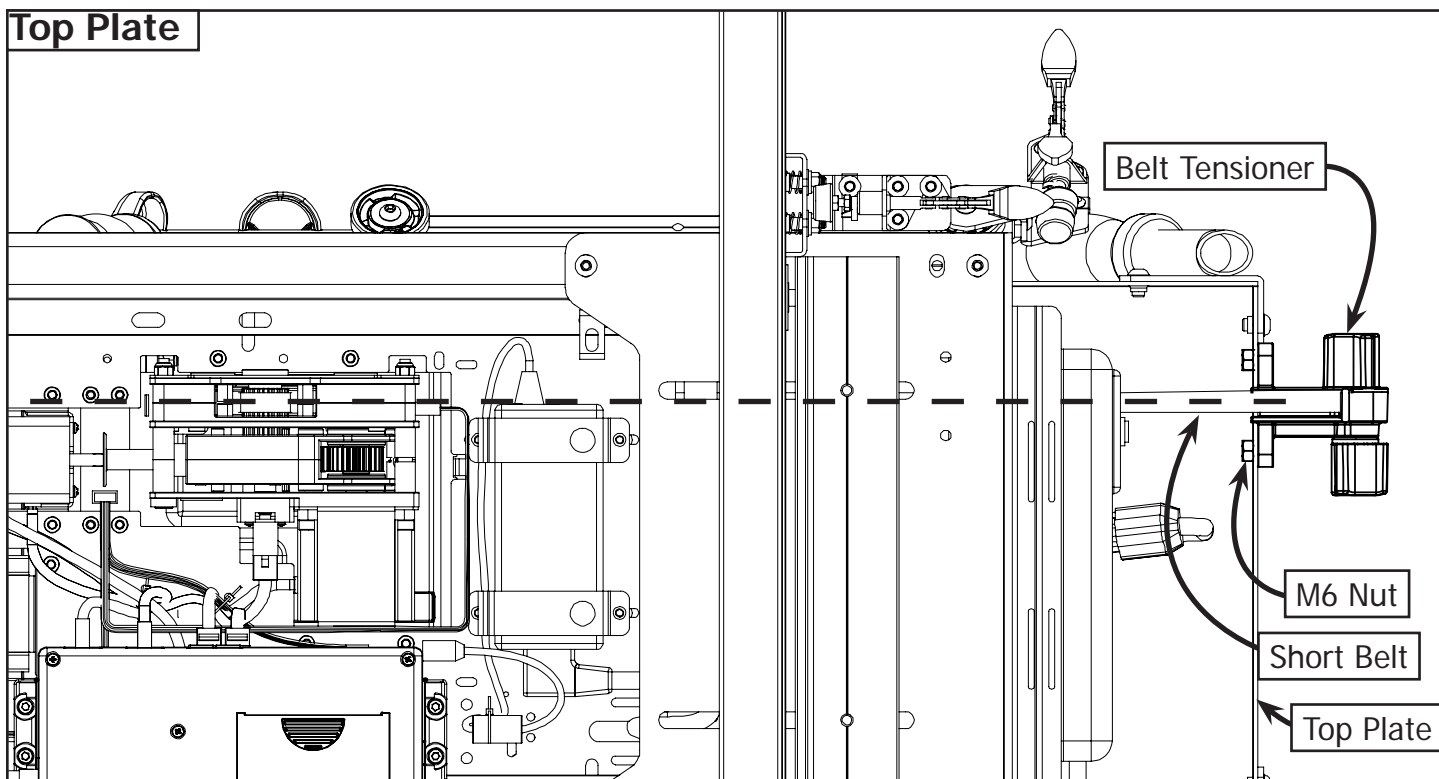
3mm Allen Wrench

4mm Allen Wrench

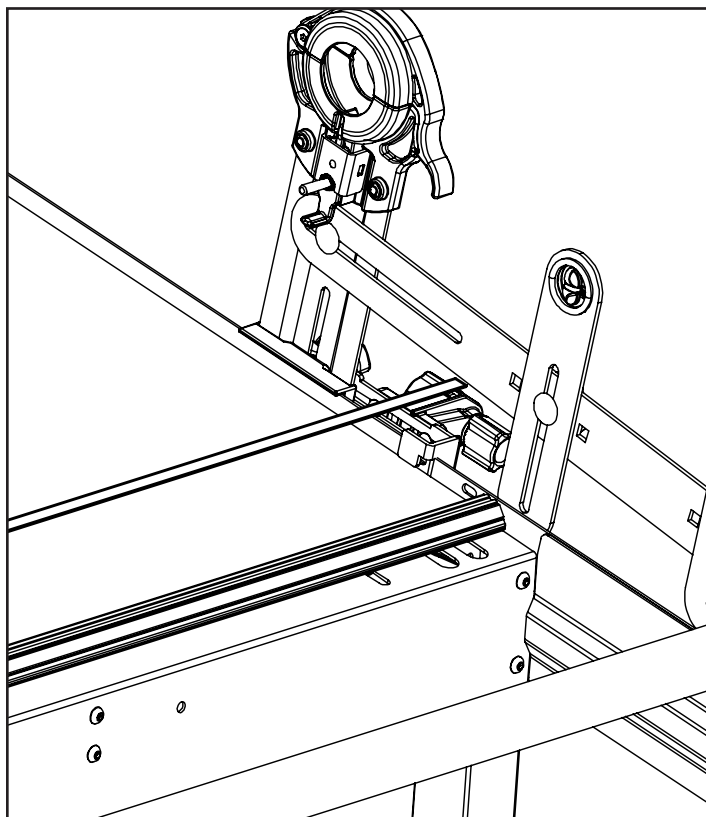


**5-1a:** Check the alignment of the short belt attached to the Top Belt Bracket. If it is bowed to one side loosen the set screws on the front and back wheels, and shift the machine until the belt is straight. Re-tighten the set screws and re-install the Pod Covers if they were removed.

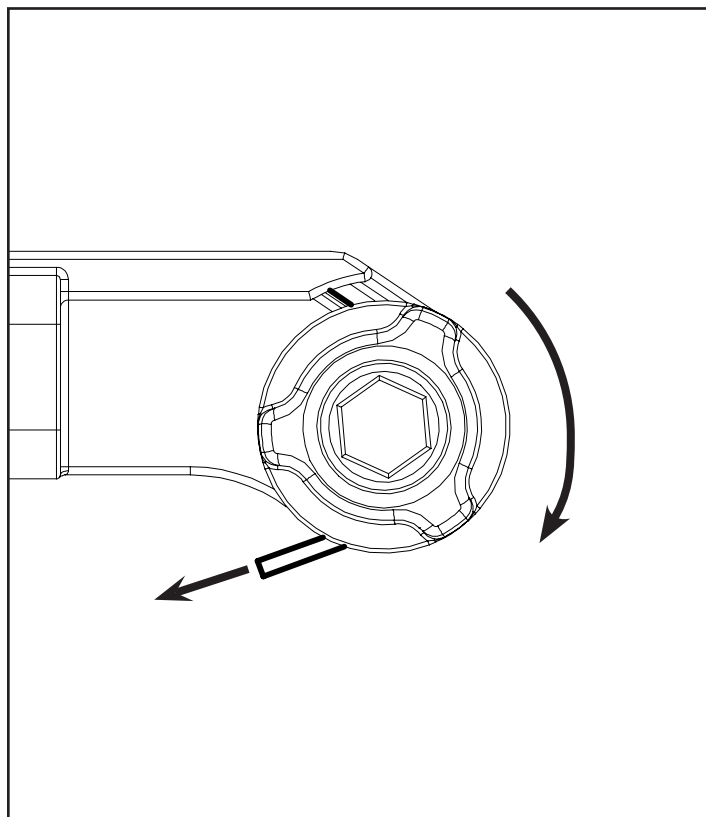
**Note:** It may be necessary to remove the Pod Covers on the 19" and 21" Machines.



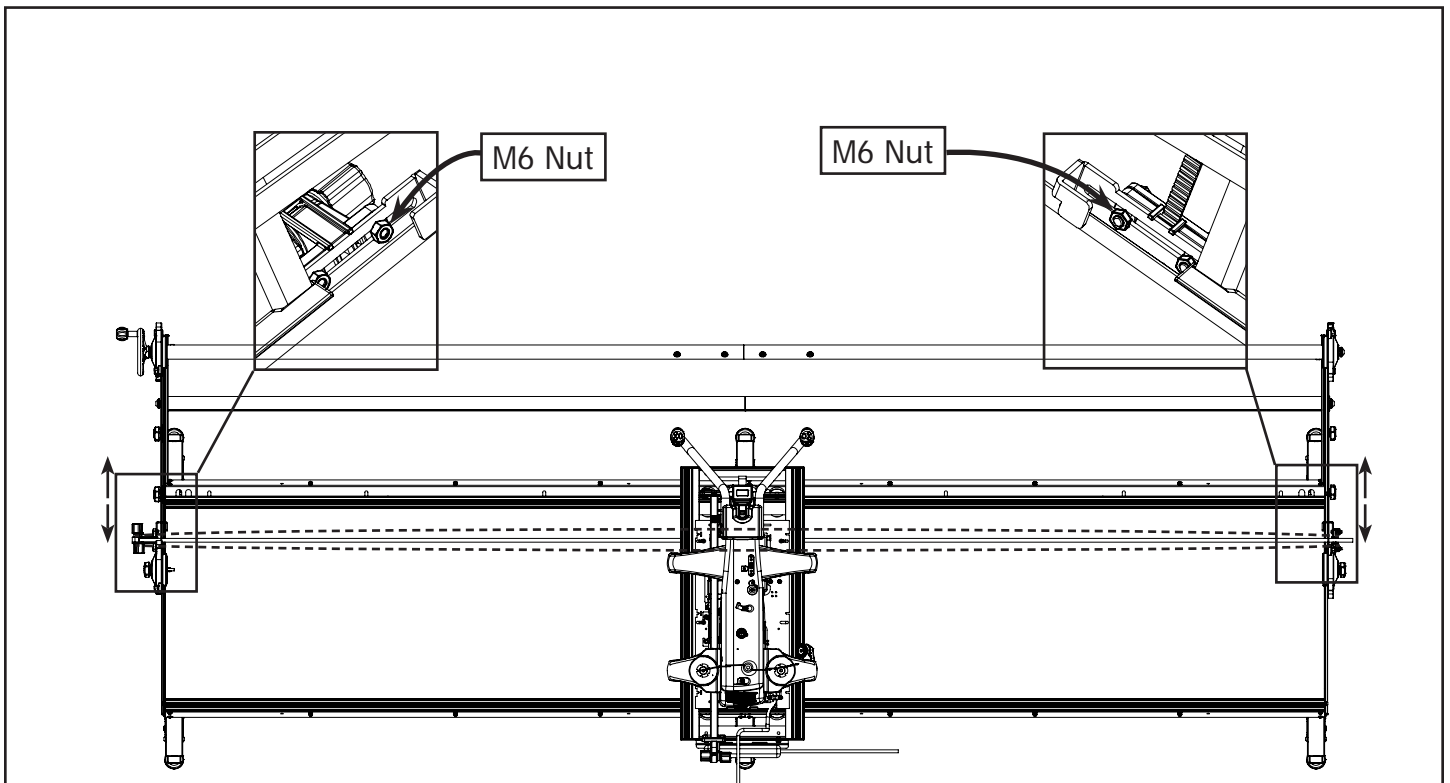
**5-1b:** Check the alignment of the belt attached to the Top Plate. If it is bowed to one side move the Top Plate as far back as possible. Loosen the (2) M6 Nuts on the Belt Tensioner and adjust until the Short Belt is aligned with the Motor Plate.



**5-2:** Insert the free end of the Long Belt into the Belt Tensioner Assembly.



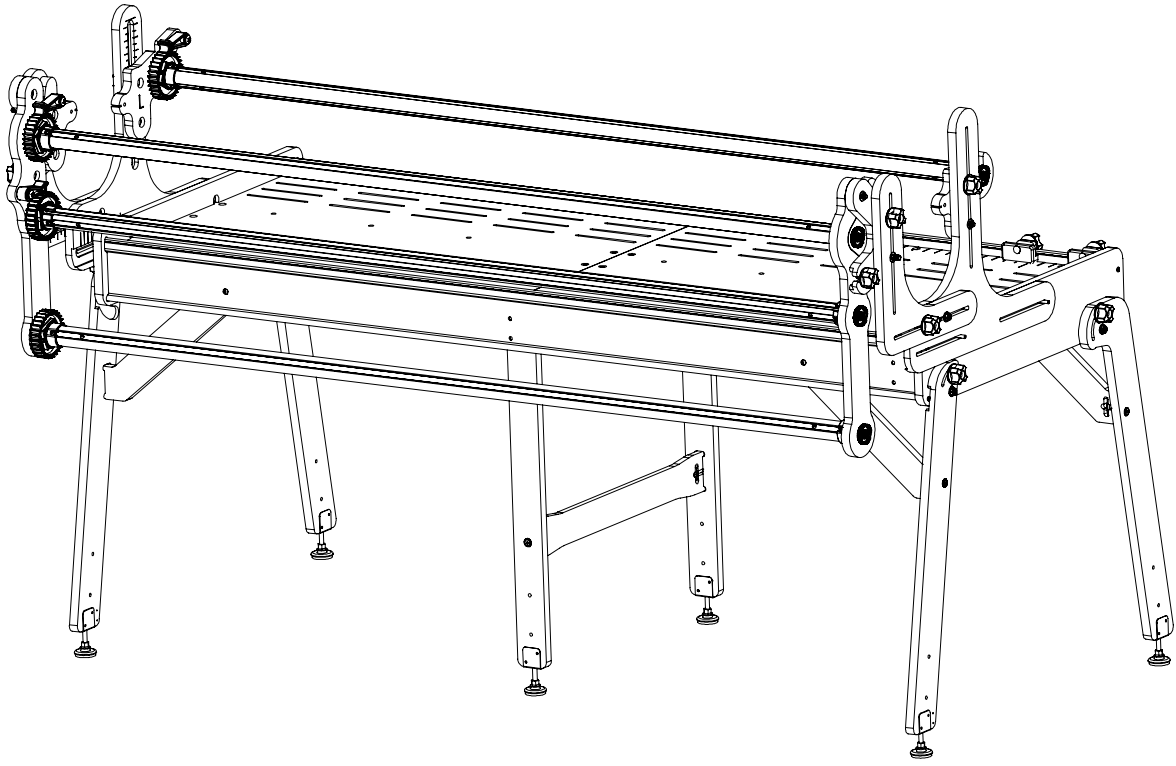
**5-3:** Twist the right Belt Tensioner knob to tighten the belt. Once the belt is tight rotate the left knob clockwise to lock it into place.



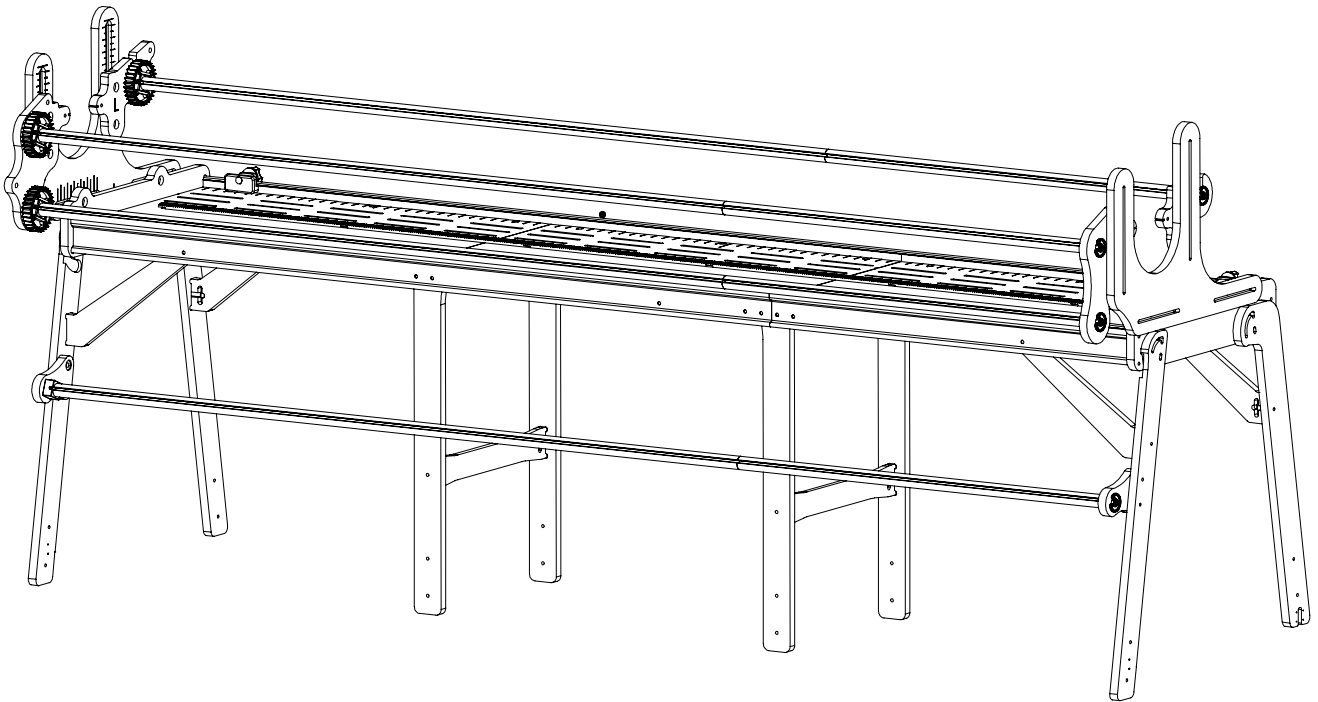
**5-4:** Loosen the M6 Nut from Step 4-5 and Step 4-7. Adjust the Belt Tensioner Assembly and the Belt Clamp Assembly to make sure there is no bow in the Long Belt. Once the Long Belt is straight tighten the M6 Nut on the Belt Tensioner Assembly and the M6 Nut on the Belt Clamp Assembly.

**\*See Your QCT and Wiring Instructions Booklet\***

## GMQ Pro Frame | QuiltMotion



## Little Gracie II Frame | QuiltMotion





## Table of Contents | GMQ Pro & Little Gracie II Frame

### Bottom Carriage

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Step 2a: G-Series Carriage Power Strip Installation: .....	page 154
Step 1b: Pro Carriage Motor Plate Installation: .....	page 155
Step 2b: Pro Carriage Power Strip Installation:.....	page 156

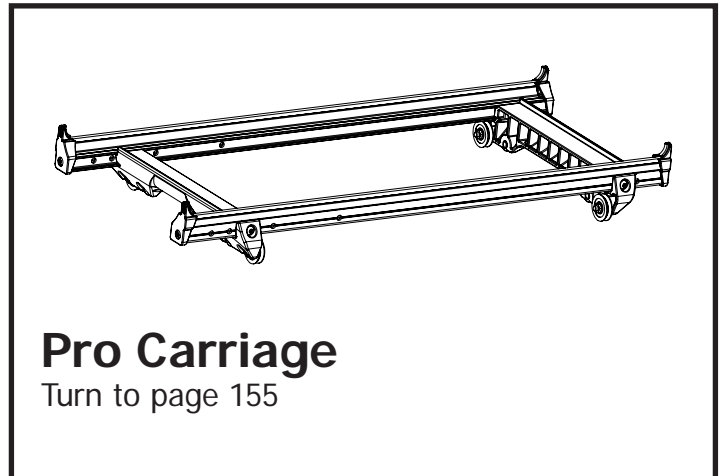
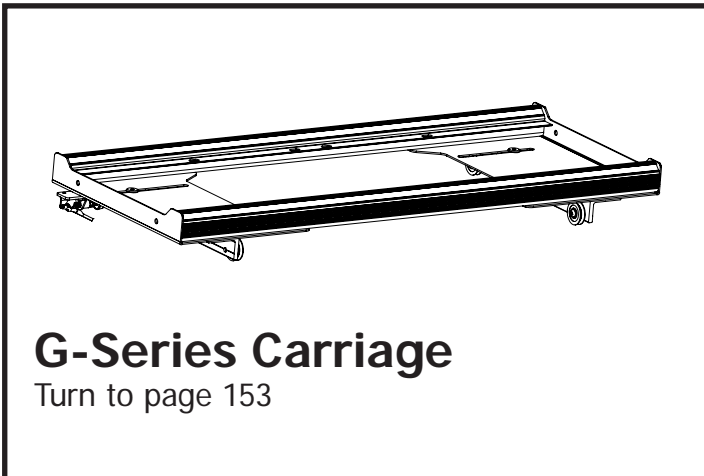
### Top Belt Bracket

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Step 3b: Short Belt Installation - Top Plate .....	page 160

### GMQ Pro & Little Gracie II Frames

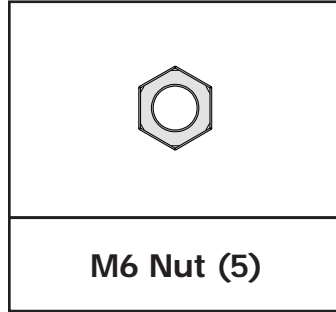
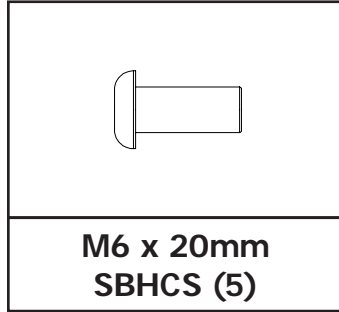
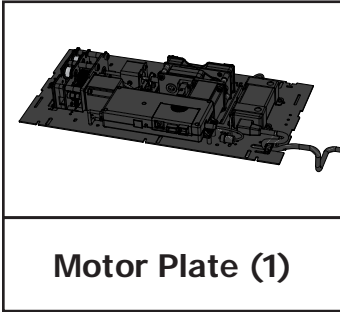
Step 4: Long Belt Installation .....	page 162
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## Choose your Carriage



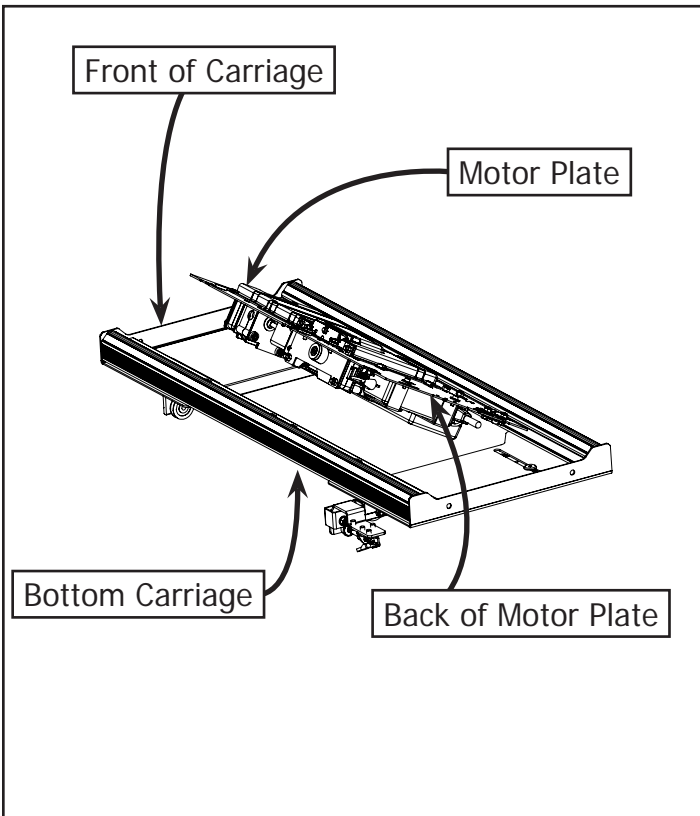
## Step 1a – Motor Plate Installation - G-Series Carriage

Parts Needed:

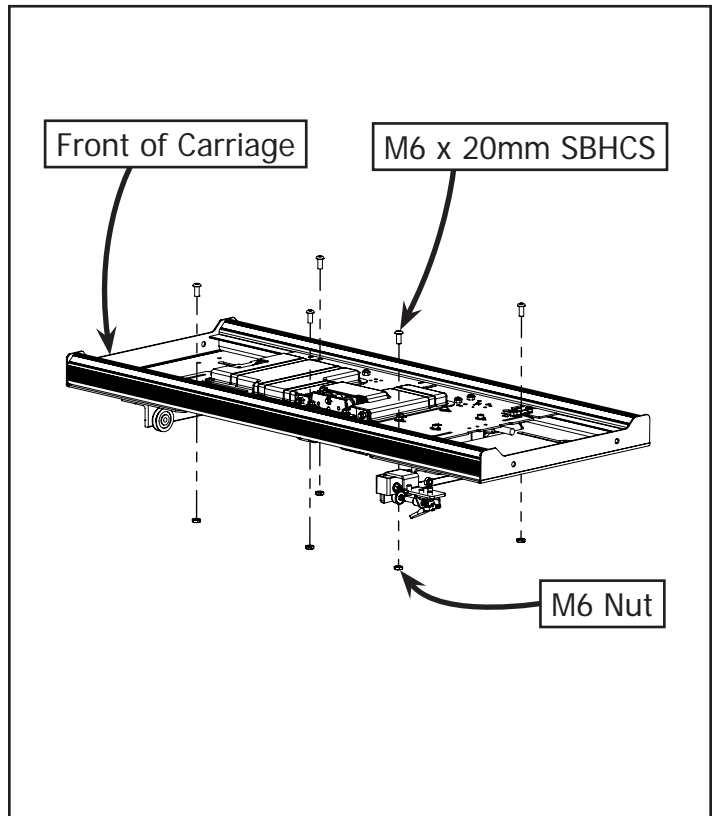


Tools Needed:

- 4mm Allen Wrench
- 10mm & 13mm Box End Wrench



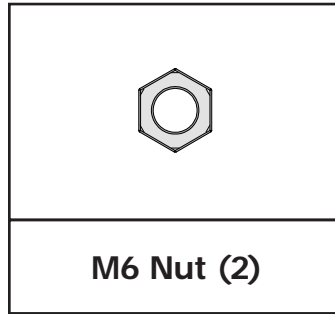
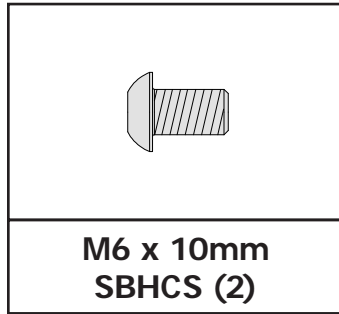
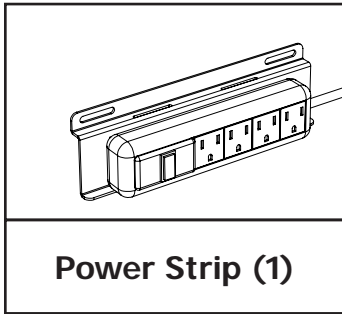
**1-1a:** Insert the Motor Plate into the Bottom Carriage at an angle.



**1-2a:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS and (5) M6 Nuts through the slots in the Bottom Carriage.

## Step 2a – Power Strip Installation - G-Series Carriage

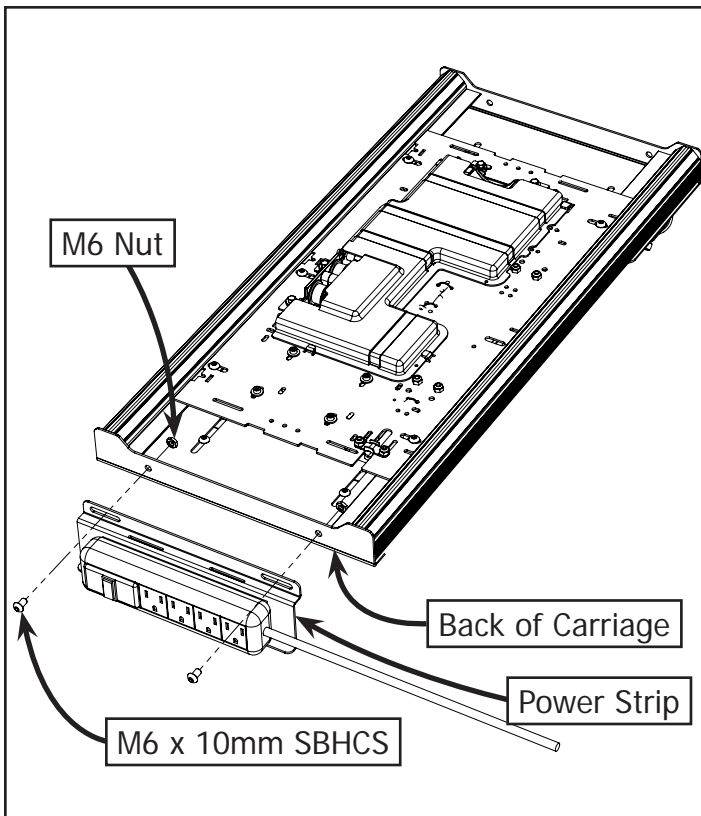
Parts Needed:



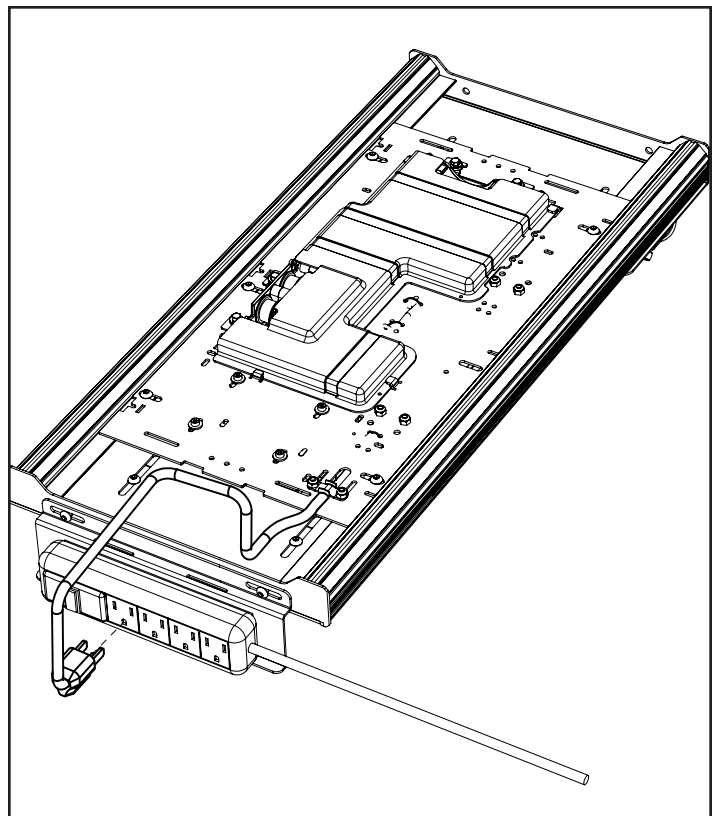
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



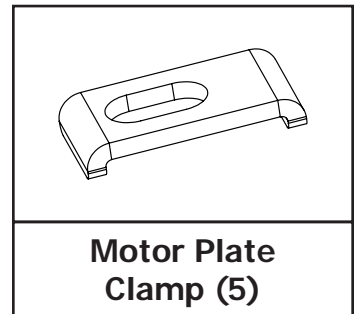
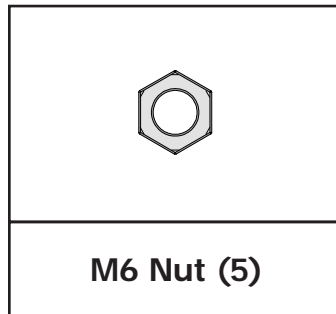
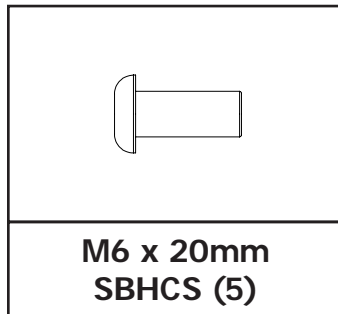
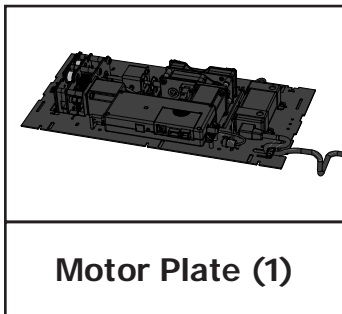
**2-1a:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.



**2-2a:** Plug the Motor Plate into the Power Strip.

## Step 1b – Motor Plate Installation - Pro Carriage

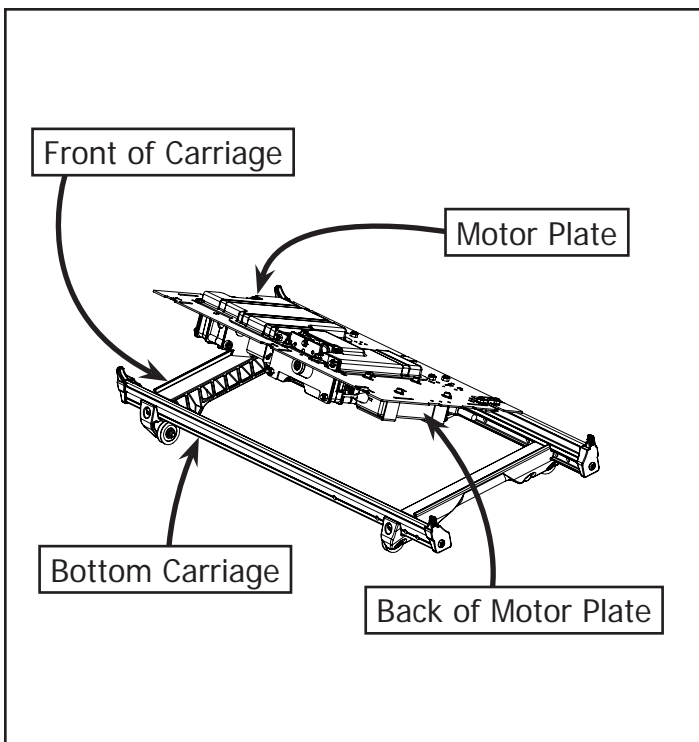
Parts Needed:



Tools Needed:

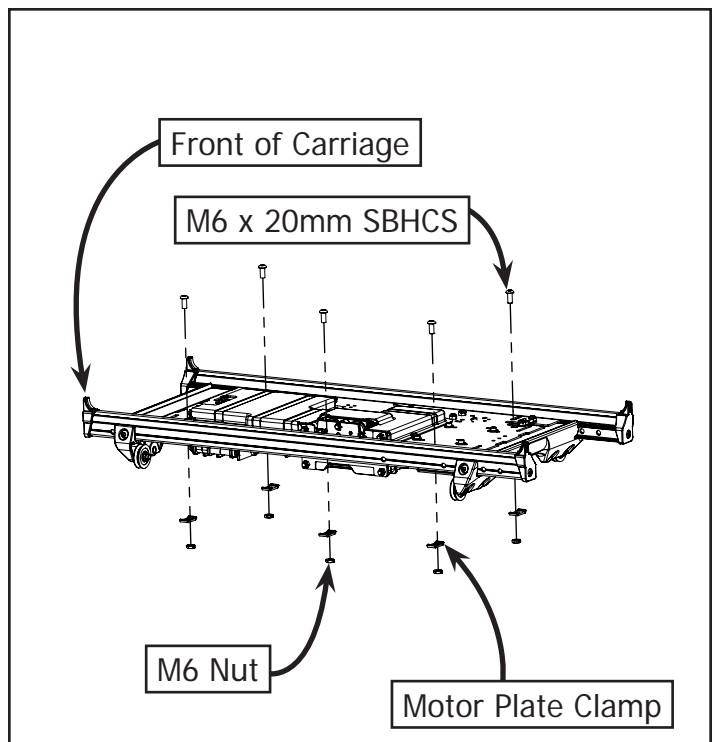
4mm Allen Wrench

10mm & 13mm Box End Wrench



**1-1b:** Insert the QuiltMotion Motor Plate into the Bottom Carriage at an angle.

**Note:** If Motor Plate will not fit, remove foam.

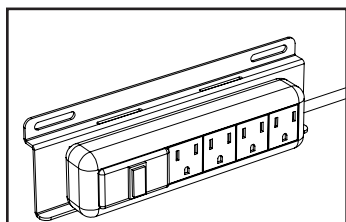


**1-2b:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS, (5) Motor Plate Clamps, and (5) M6 Nuts.

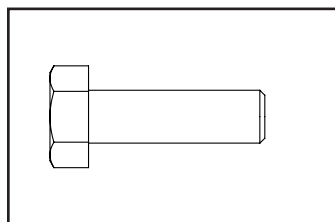
**Note:** Make sure the Motor Plate is centered in the Carriage.

## Step 2b – Power Strip Installation - Pro Carriage

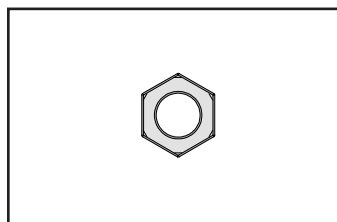
Parts Needed:



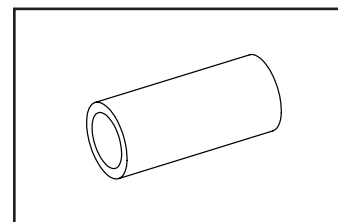
Power Strip (1)



M6 x 40mm  
Hex Bolt (2)



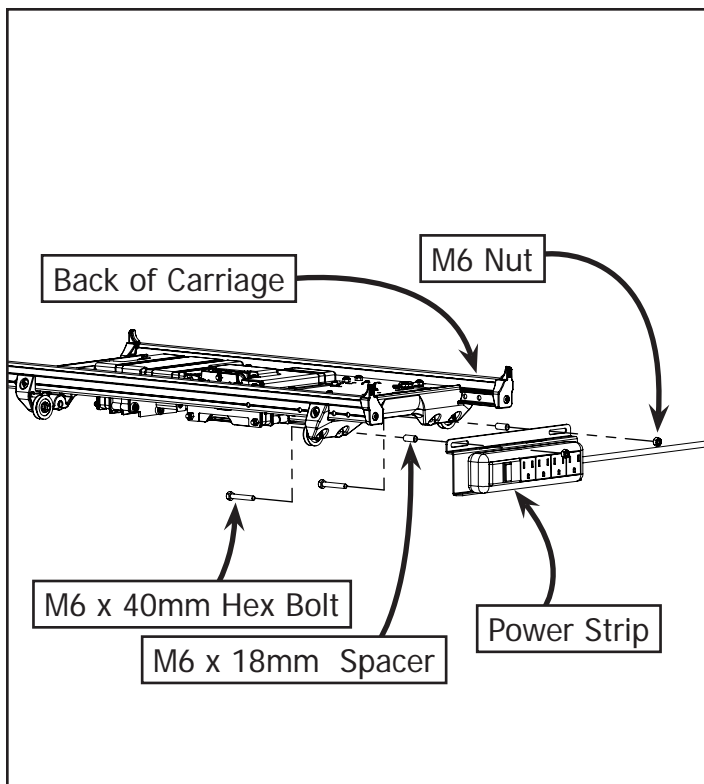
M6 Nut (2)



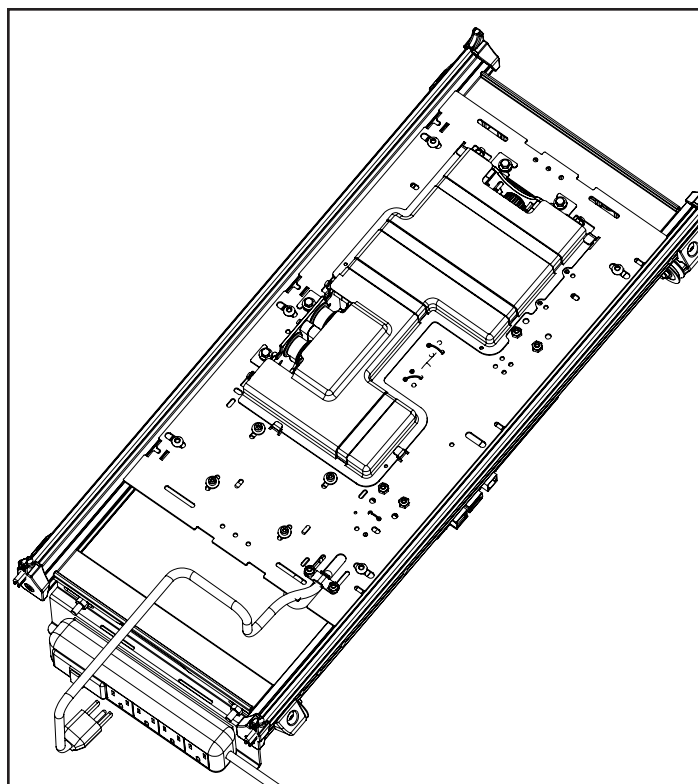
M6 x 18mm  
Spacer (2)

Tools Needed:

10mm & 13mm Box End Wrench



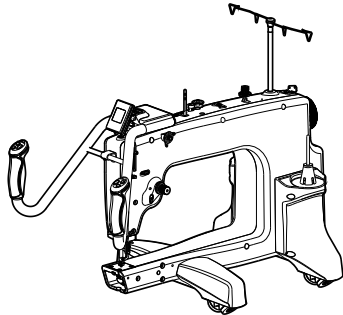
**2-1b:** Attach the Power Strip to the Bottom Carriage and center it on the end using (2) M6 x 40mm Hex Bolts, (2) M6 x 18mm Spacers, and (2) M6 Nuts.



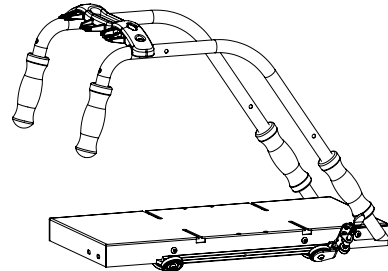
**2-2b:** Plug the QuiltMotion Motor Plate into the Power Strip.

**Step 3** – Choose your Machine or Top Plate.

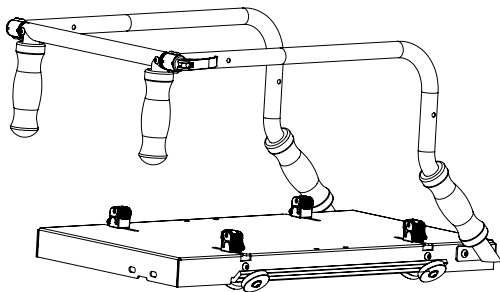
Proceed to the page number associated with your Machine or Top Plate.



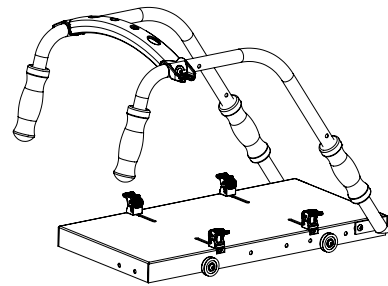
**Q'nique 15**  
Turn to page 158



**G-Series Top Plate**  
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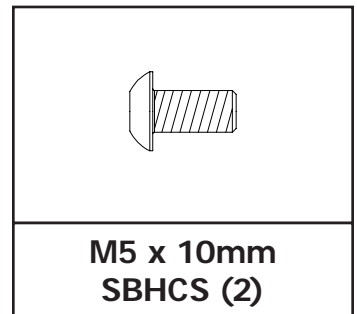
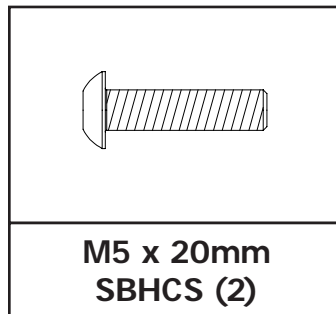
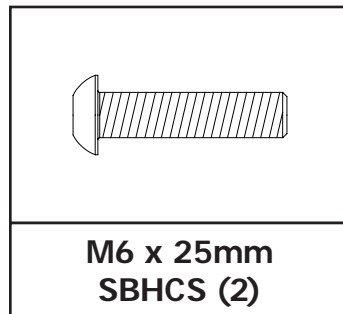
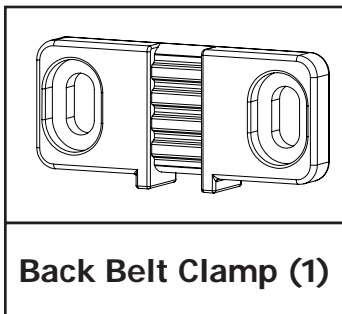
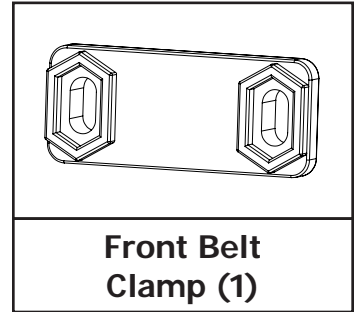
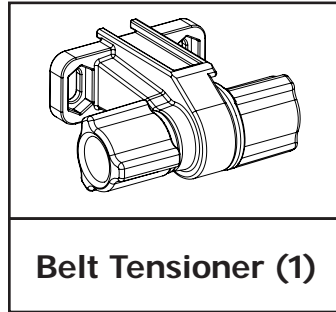
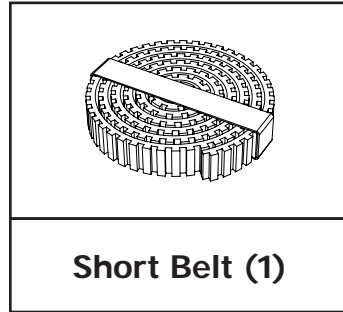
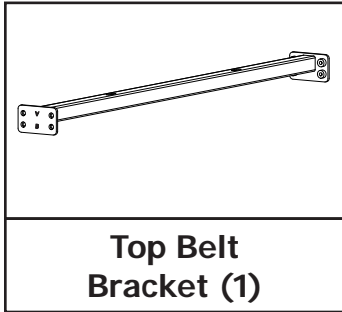
**G-Series 2 Top Plate**  
Turn to page 160



**Pro Carriage Top Plate**  
Turn to page 160

## Step 3a – Short Belt Installation - Q'nique 15"

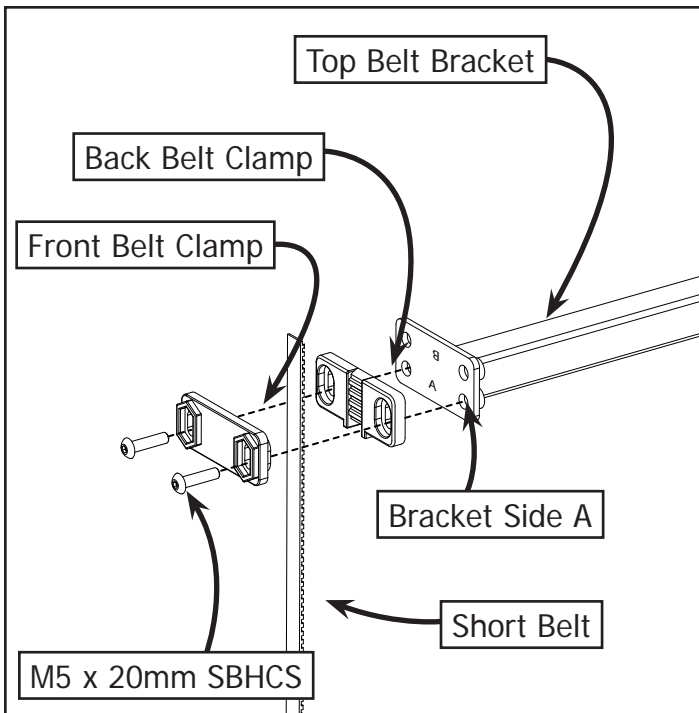
Parts Needed:



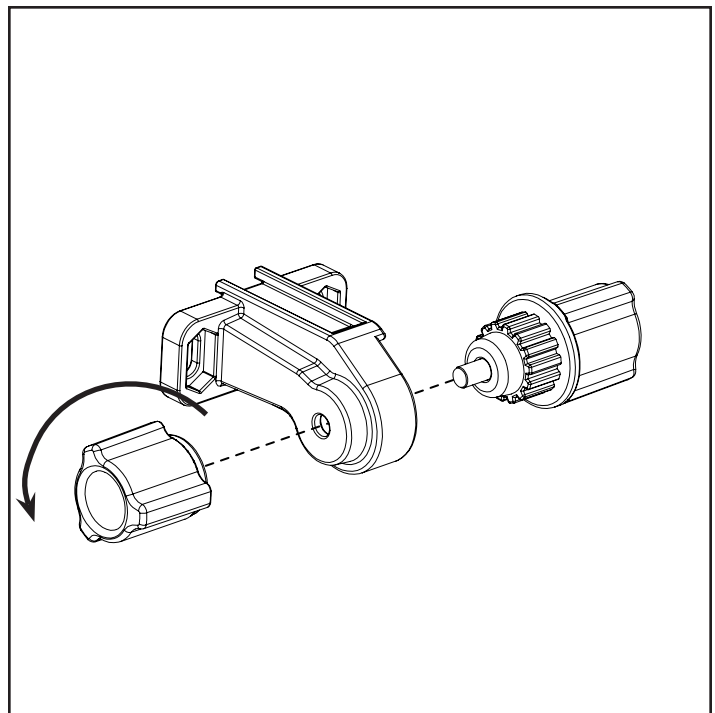
Tools Needed:

3mm Allen Wrench

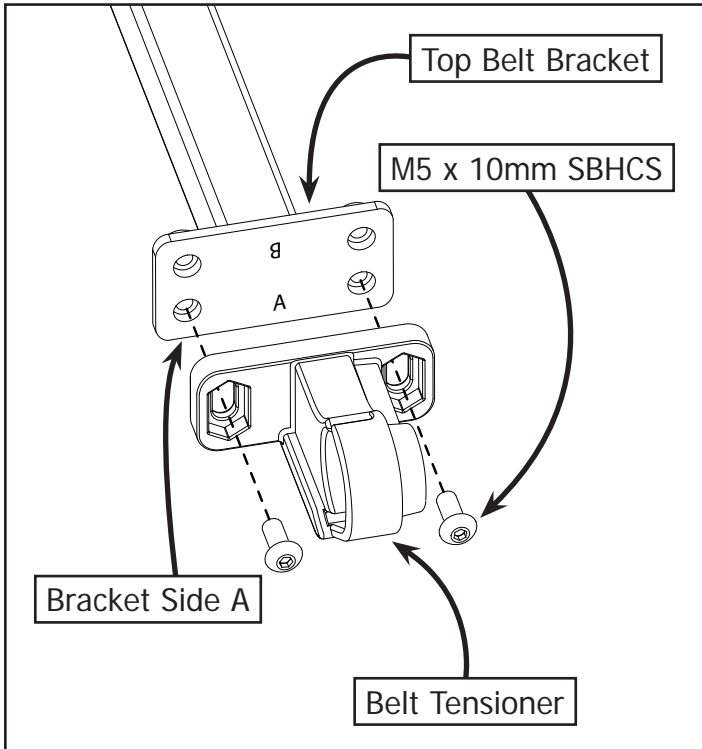
4mm Allen Wrench



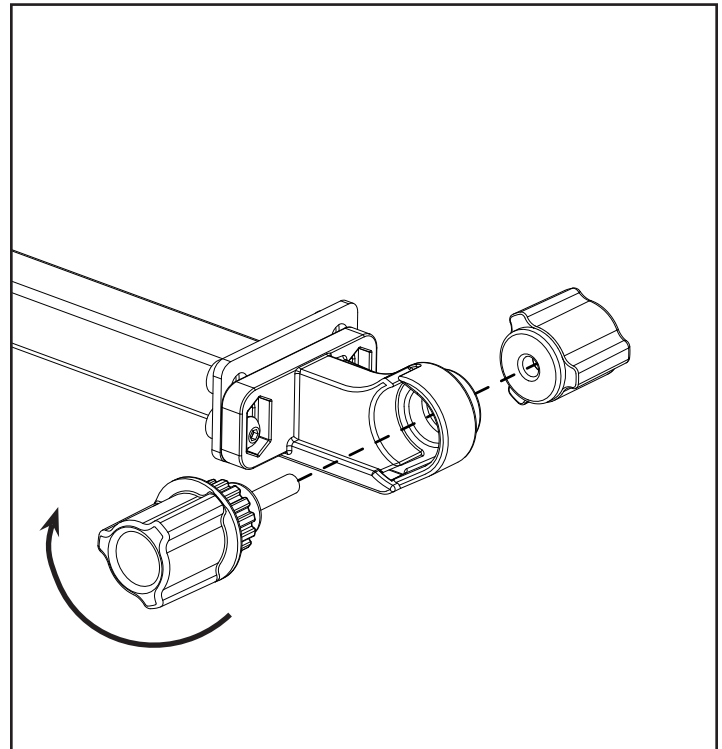
**3-1a:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side A.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.



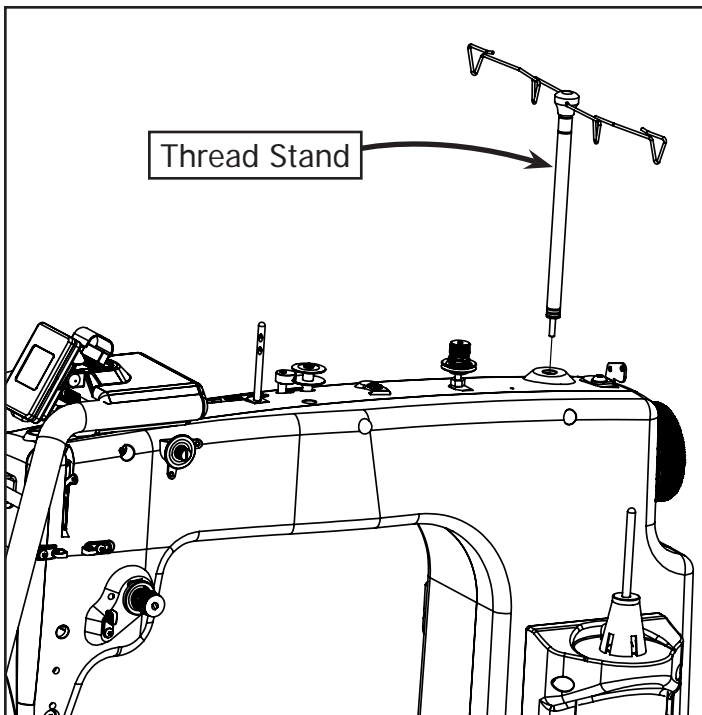
**3-2a:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



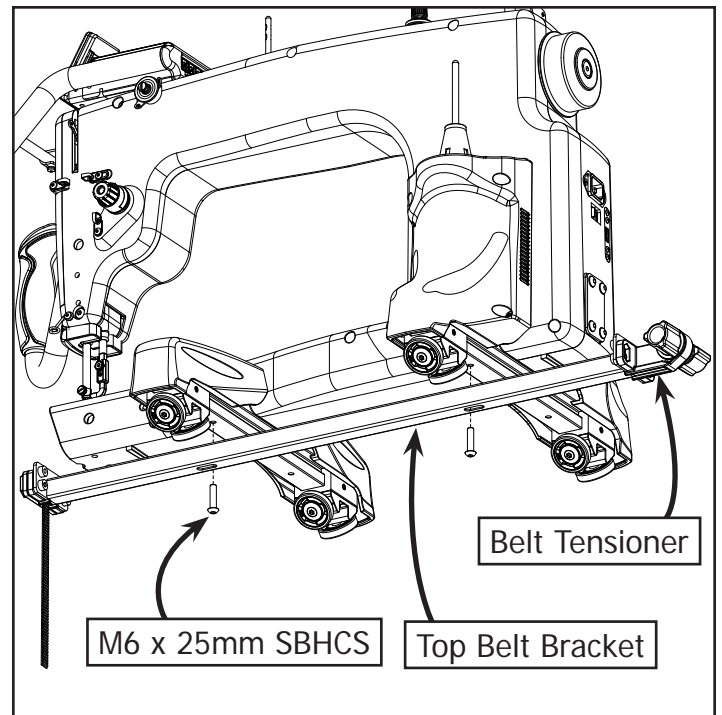
**3-3a:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side A using (2) M5 x 10mm SBHCS.



**3-4a:** Re-Install the Belt Tensioner Knobs.



**3-5a:** Remove the Thread Stand from your machine. See your machine manual for instructions.

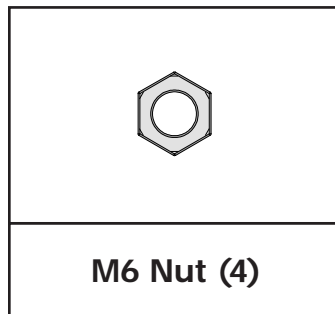
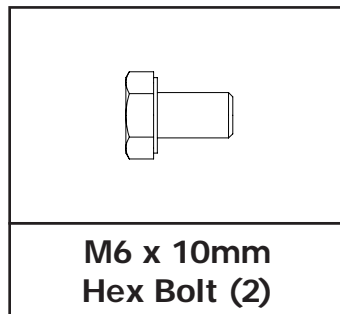
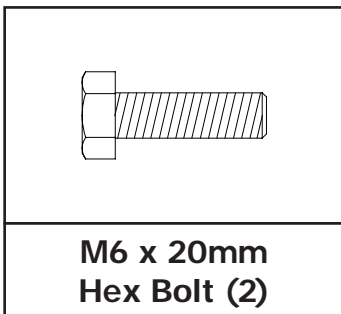
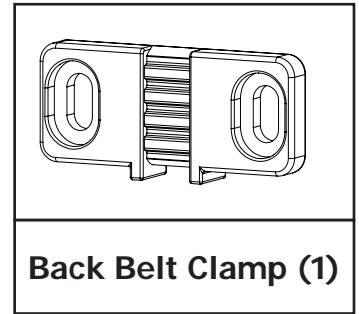
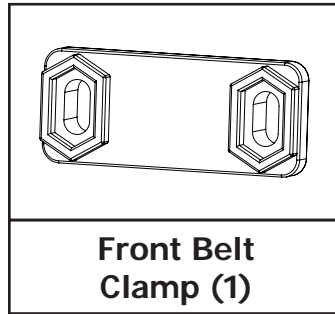
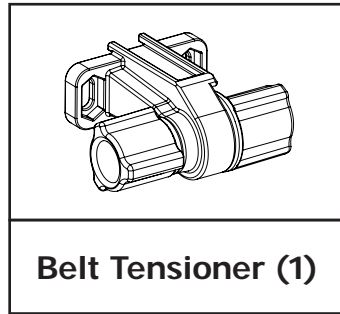
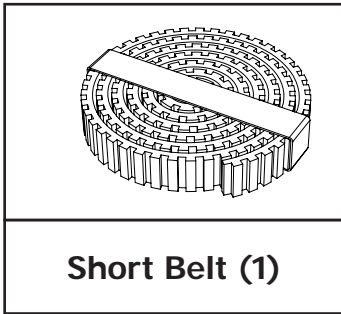


**3-6a:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.



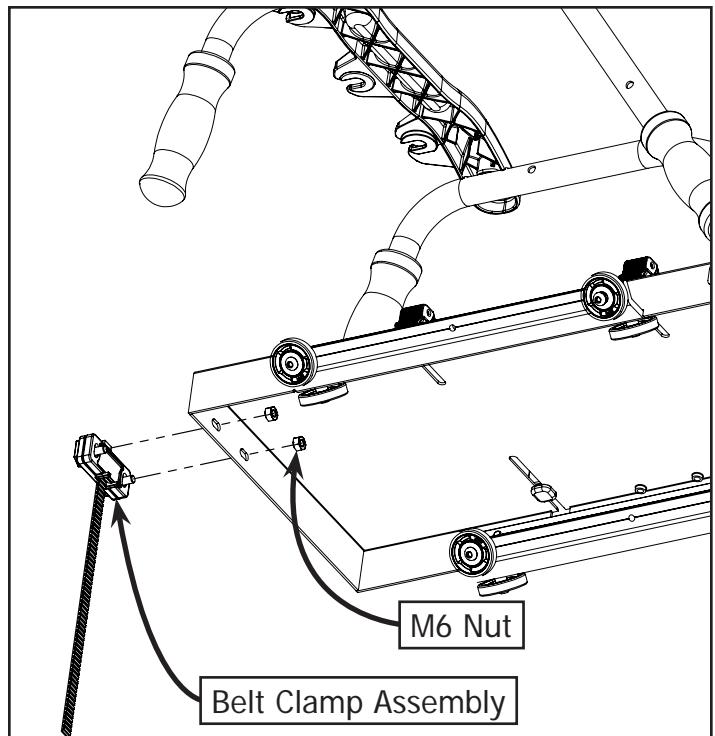
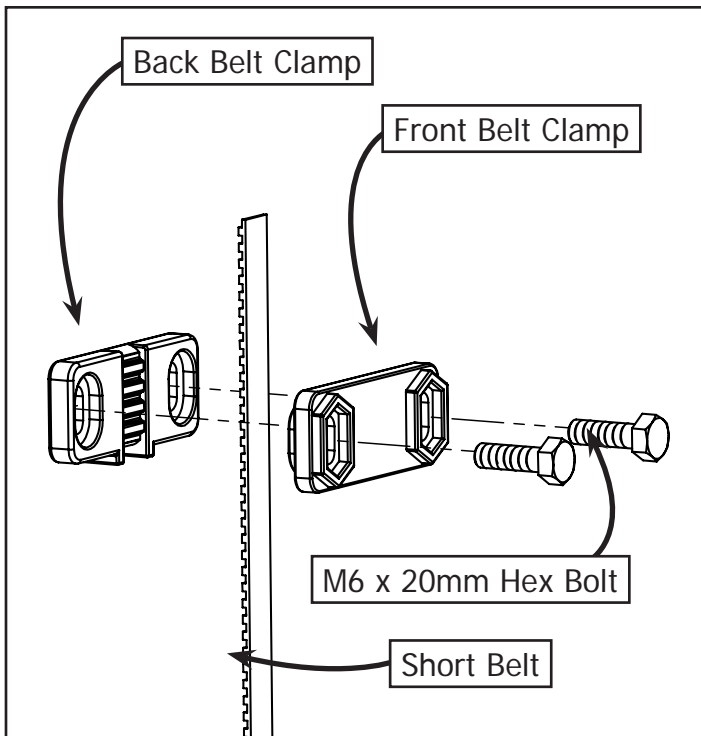
## Step 3b – Short Belt Installation - Top Plate

Parts Needed:



Tools Needed:

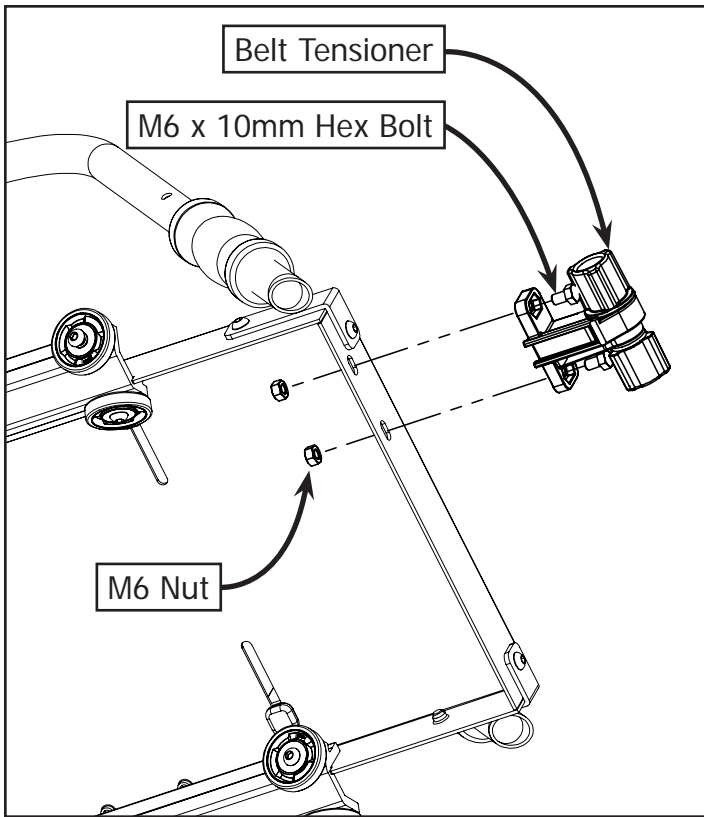
10mm & 13mm Open End Wrench



**3-1b:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and place (2) M6 x 20mm Hex Bolts through the Belt Clamp.

**3-2b:** Assemble the completed assembly (from Step 3-1b) to the front end of the Top Plate using (2) M6 Nuts.

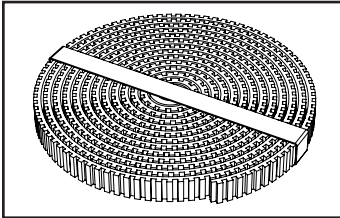
**Note:** The teeth of the belt should be facing towards the Top Plate.



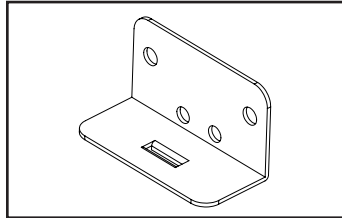
**3-3b:** Assemble the Belt Tensioner onto the opposite end of the Top Plate using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.

## Step 4 - Long Belt Installation

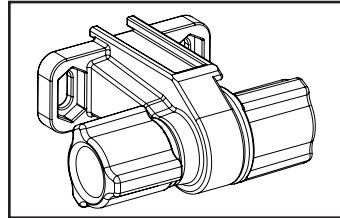
Parts Needed:



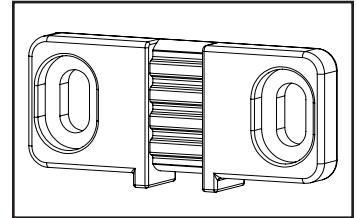
Long Belt (1)



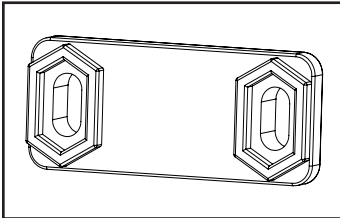
Wood Frame QM Belt Bracket (2)



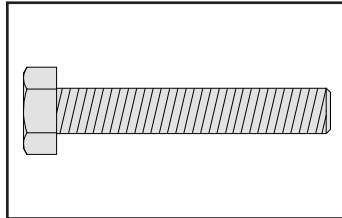
Belt Tensioner (1)



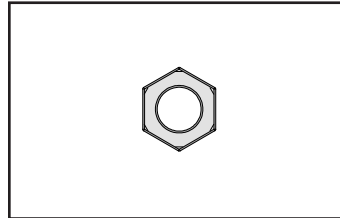
Back Belt Clamp (1)



Front Belt Clamp (1)



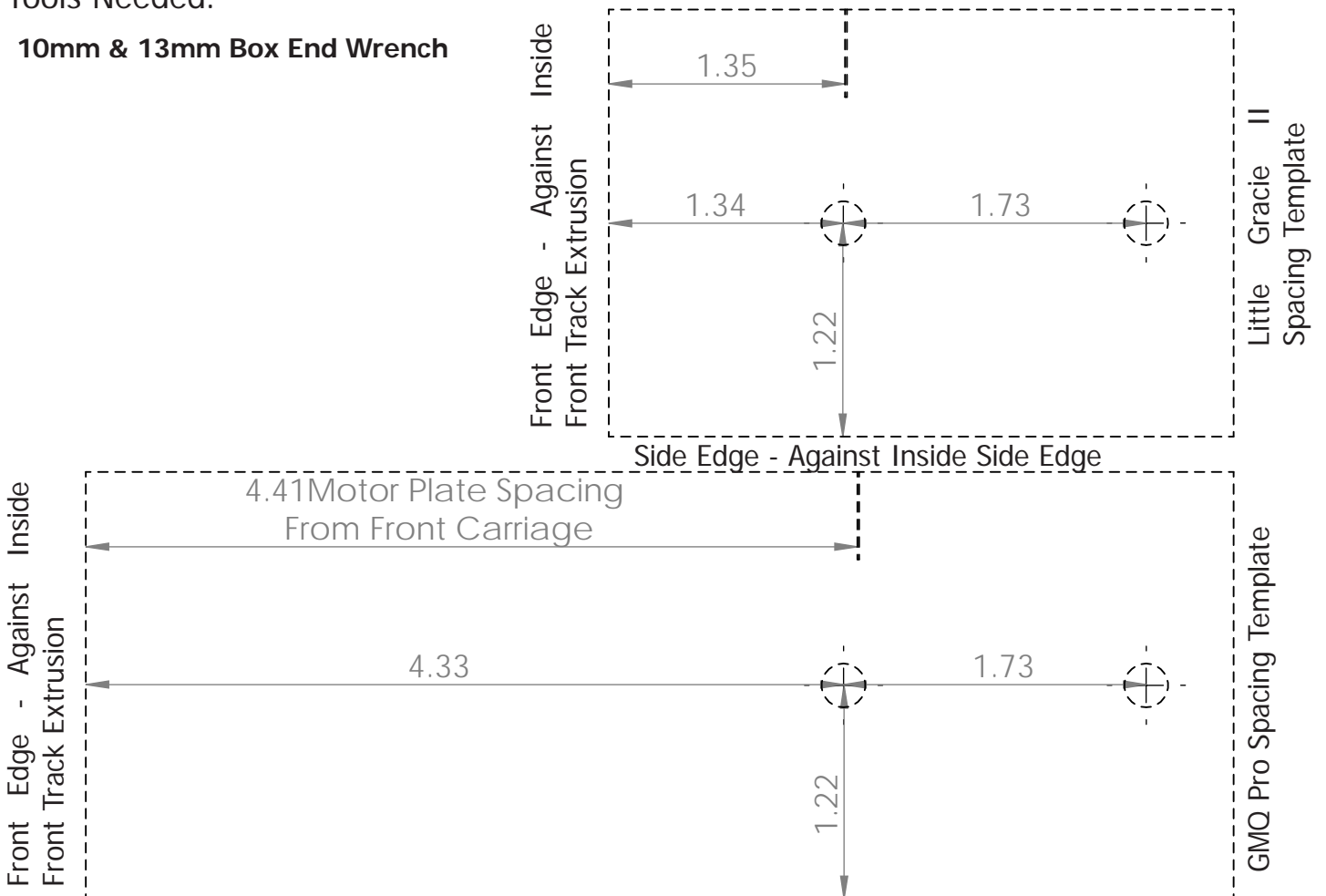
M6 x 40mm Hex Bolt (4)



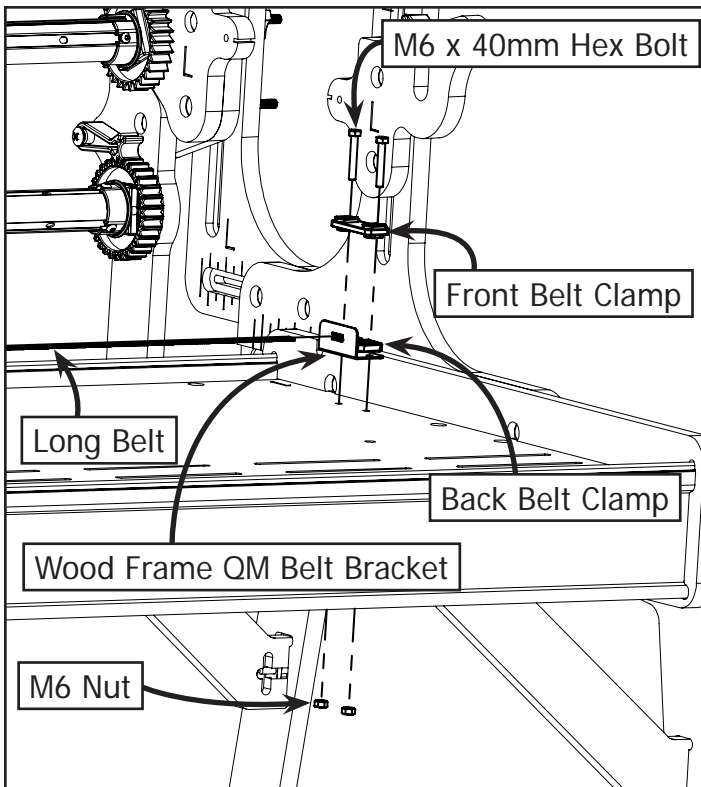
M6 Nut (4)

Tools Needed:

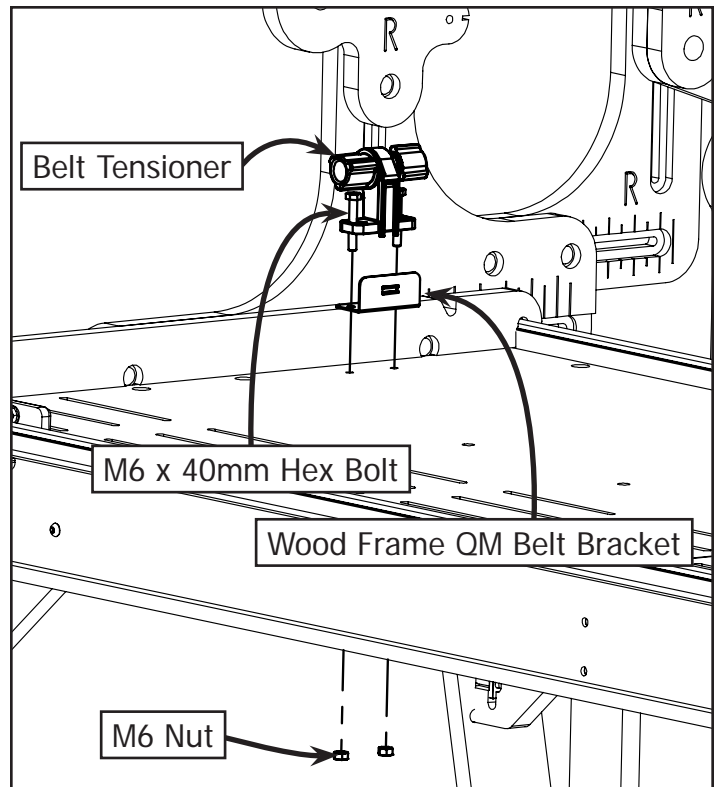
10mm & 13mm Box End Wrench



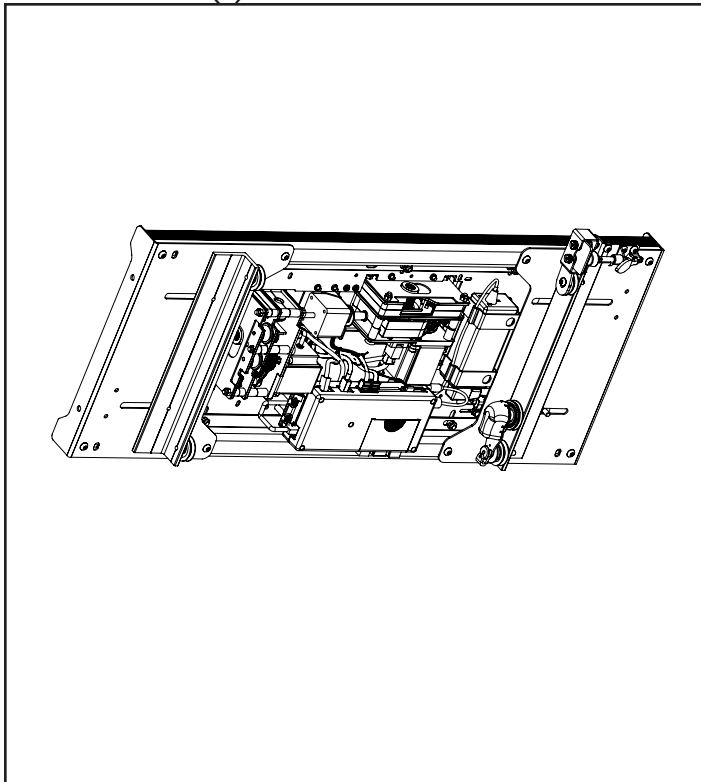
**4-1:** Cut out the above template. Use the template to locate and drill holes for the Wood Frame QM Belt Brackets. Use a 1/4" drill bit.



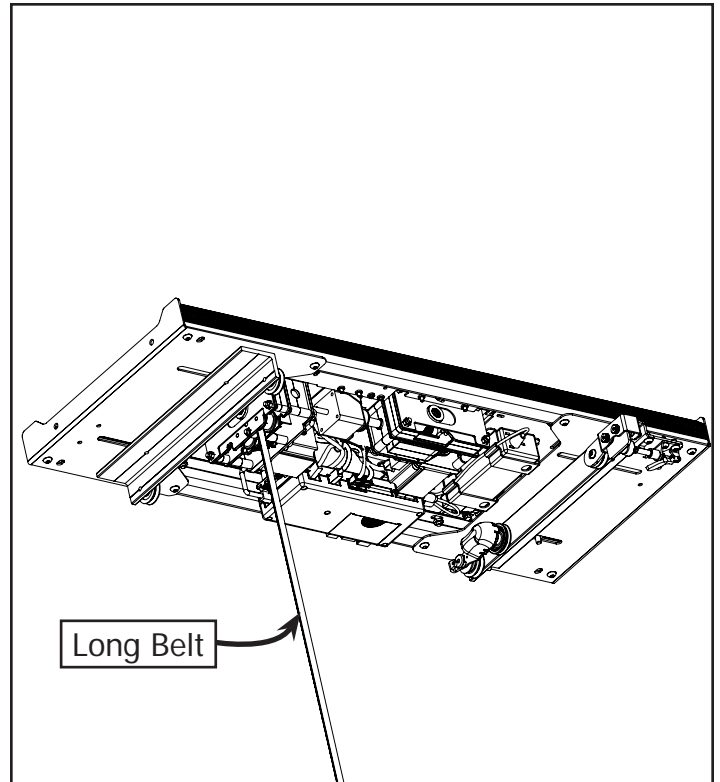
**4-2:** Install the Long Belt through the slot in the Wood Frame QM Belt Bracket. Install the Belt Clamp Assembly to the table using (2) M6 x 40mm Hex Bolts and (2) M6 Nuts.



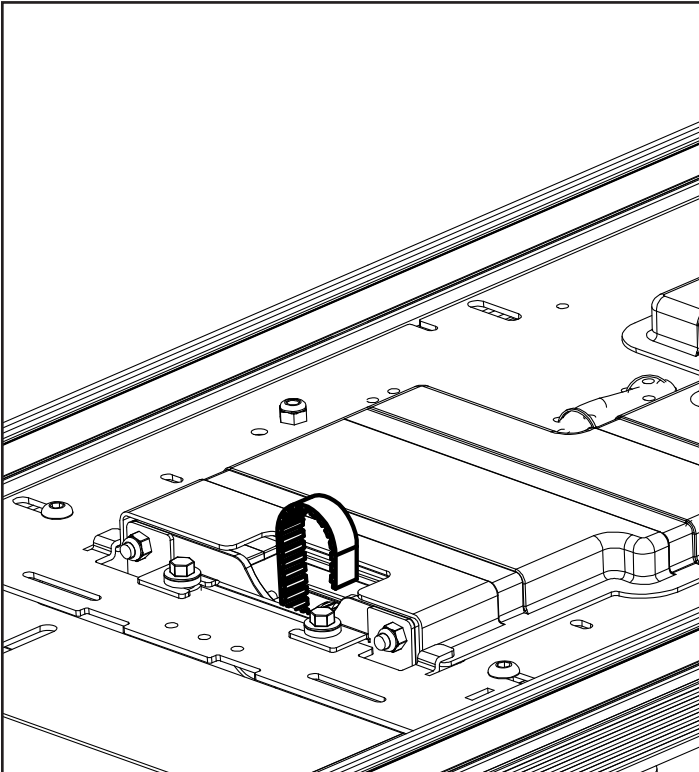
**4-3:** Install the Belt Tensioner to the frame using the Wood Frame QM Belt Bracket, (2) M6 x 40mm Hex Bolts and (2) M6 Nuts.



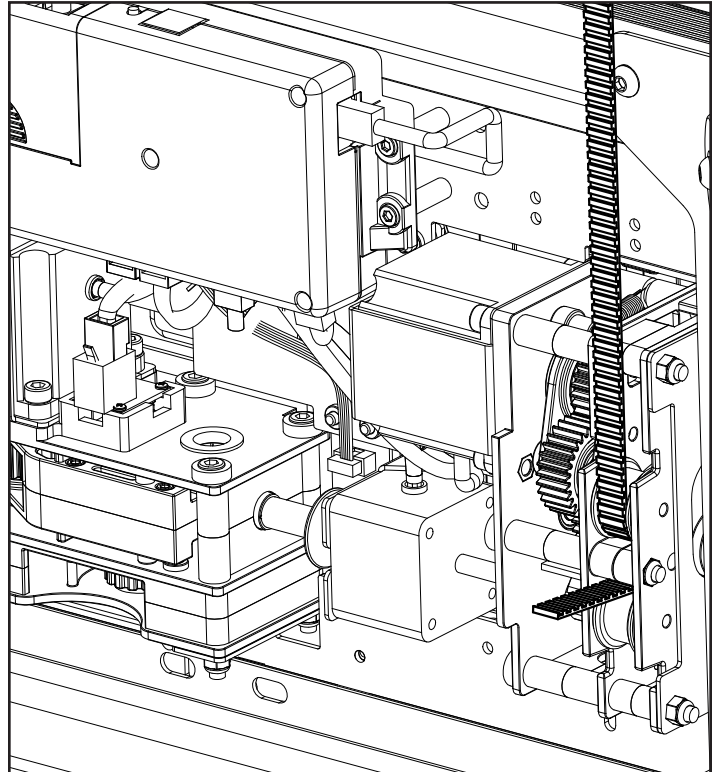
**4-4:** Tilt the Bottom Carriage onto its side.



**4-5:** Keep the Long Belt flat and thread the Long Belt into the gearbox in the QuiltMotion Motor Plate from the bottom until it comes out the top of the Bottom Carriage.

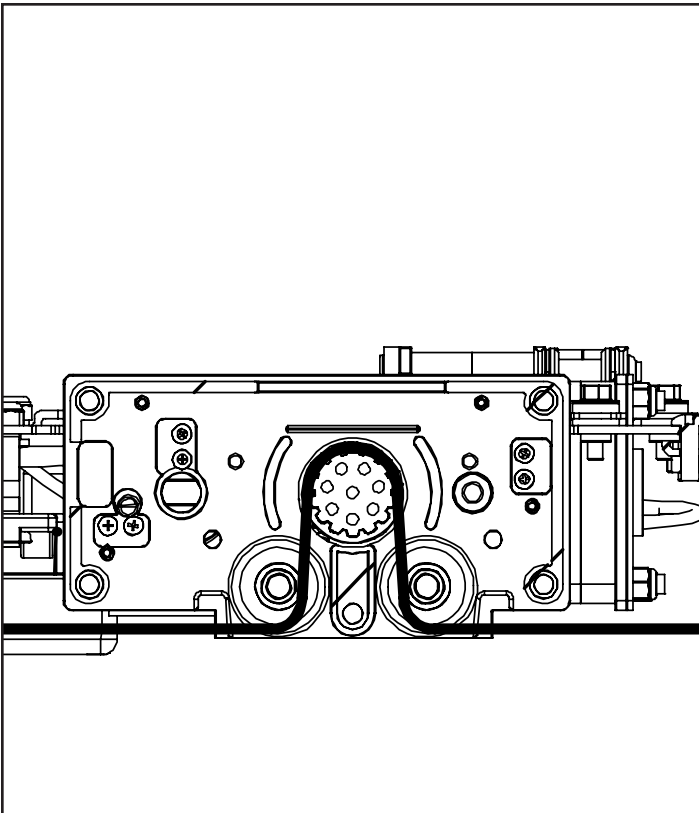


**4-6:** Loop the Long Belt over and feed it back through the gear box and back out the bottom of the Bottom Carriage.

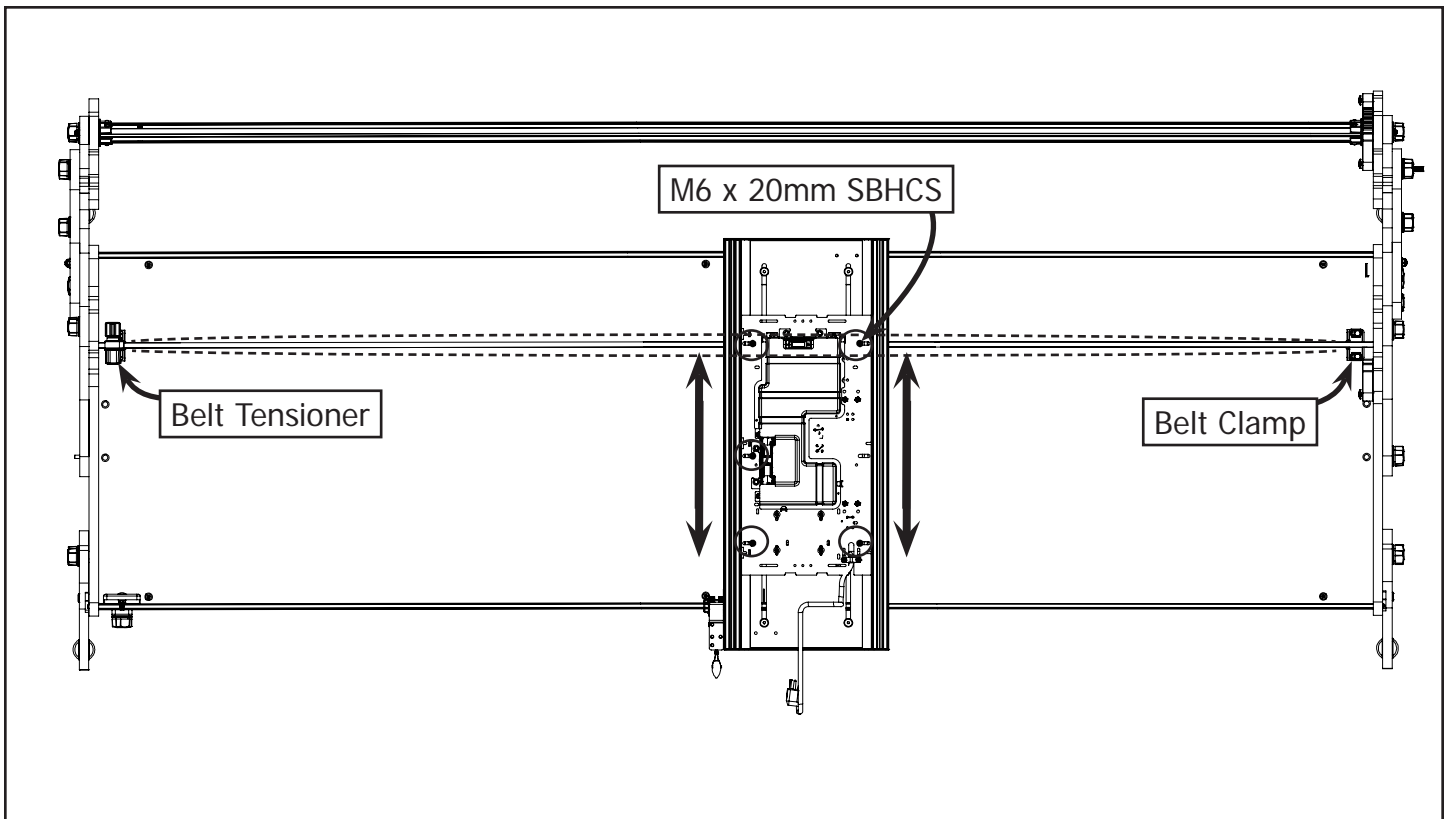


**4-7:** Pull the rest of the Long Belt through the QuiltMotion Motor Plate.

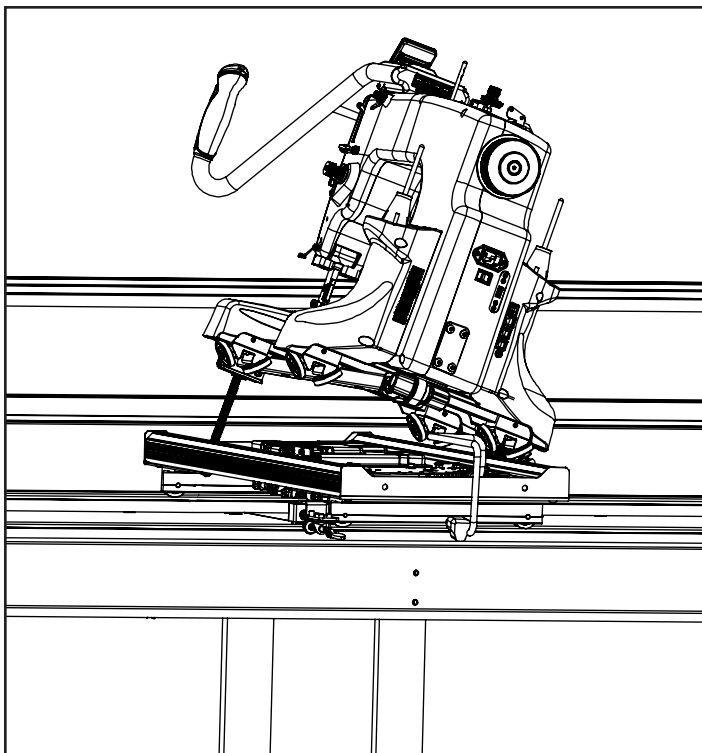
**Note:** Do not insert the belt into the Belt Tensioner Assembly yet.



**4-8:** Belt will be routed as shown.

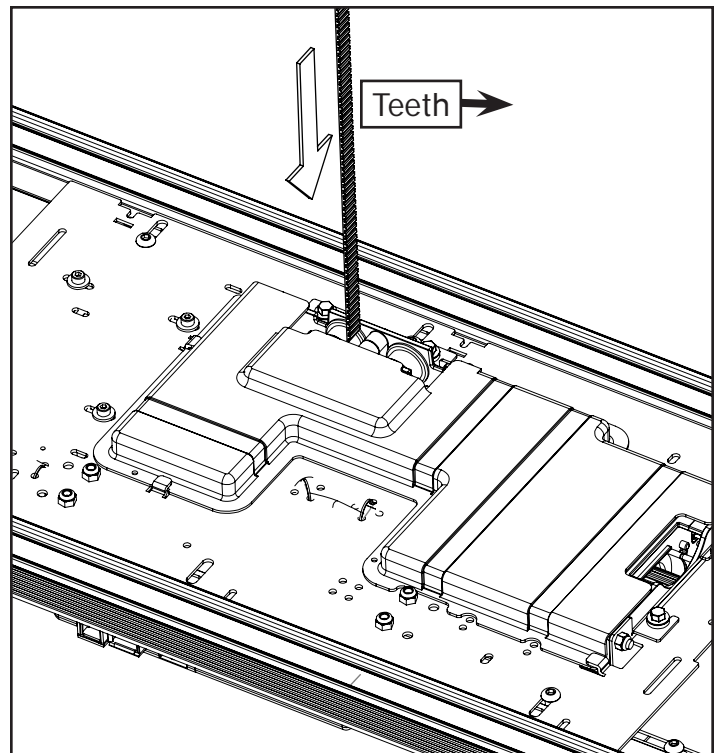


**4-9:** Loosen the (5) M6 x 20mm SBHCS and adjust the Motor Plate so the Belt is aligned with the Belt Clamp and Belt Tensioner.



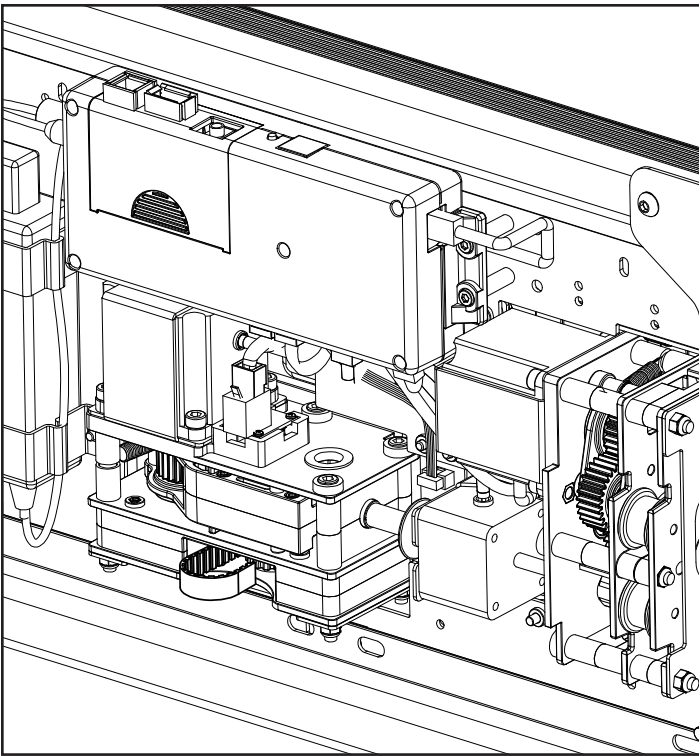
**4-10:** Place the Sewing Machine or Top Plate at an angle on the carriage.

**Note:** This step will require 2 people.



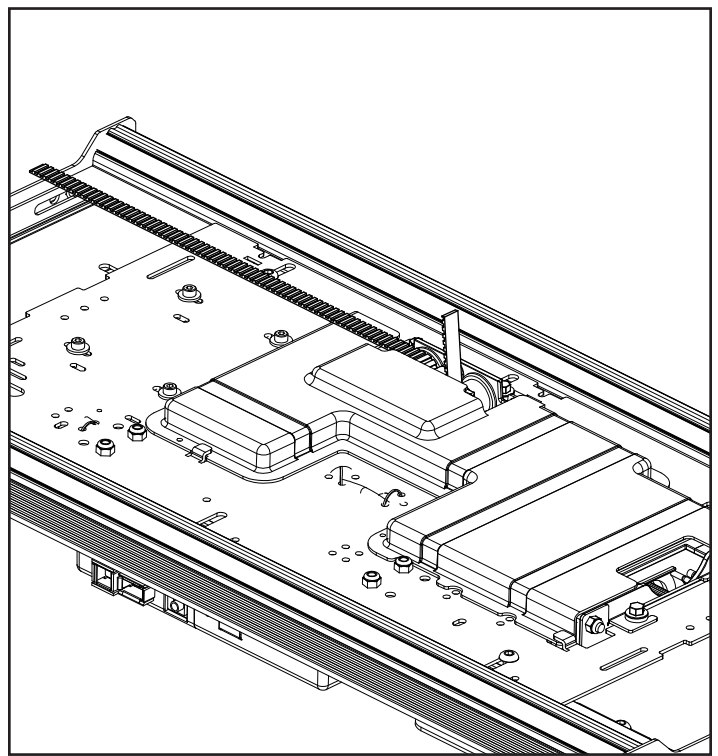
**4-11:** Thread the free end of the Short Belt into the gear box in the QuiltMotion Motor Plate from the top until it comes out the bottom of the carriage.

**Note:** Keep the belt flat without any twists.

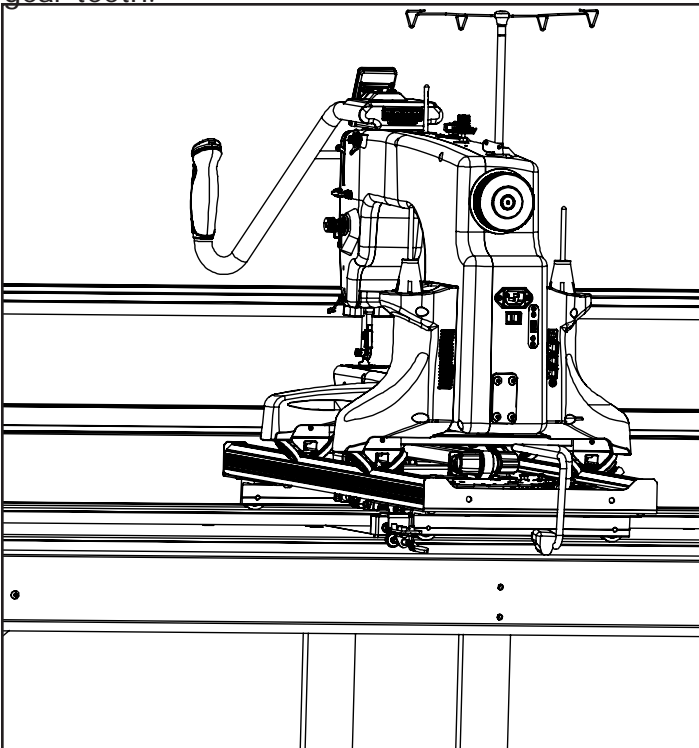


**4-12:** Loop the Short Belt over and feed it back through the gear box and back out the top of the Bottom Carriage.

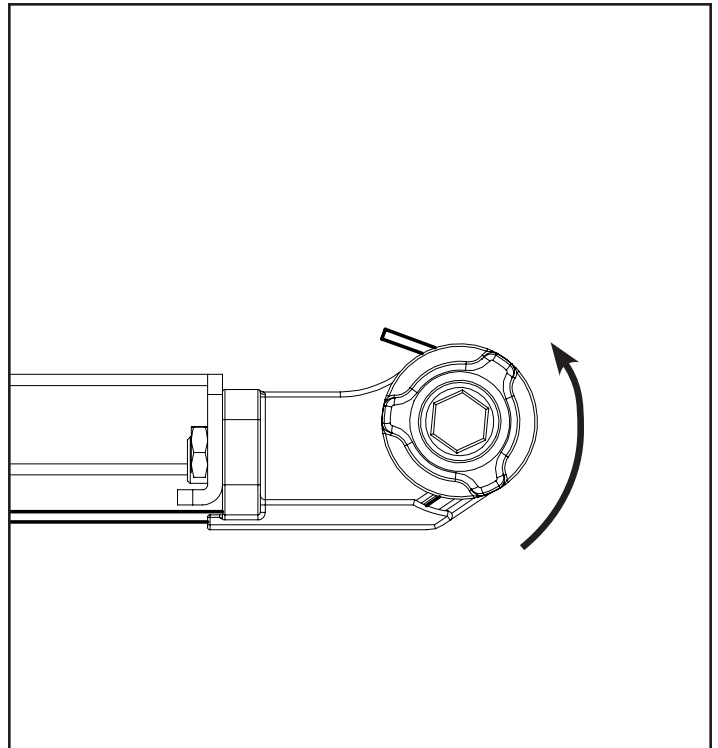
**Note:** The belt teeth should be facing towards the gear teeth.



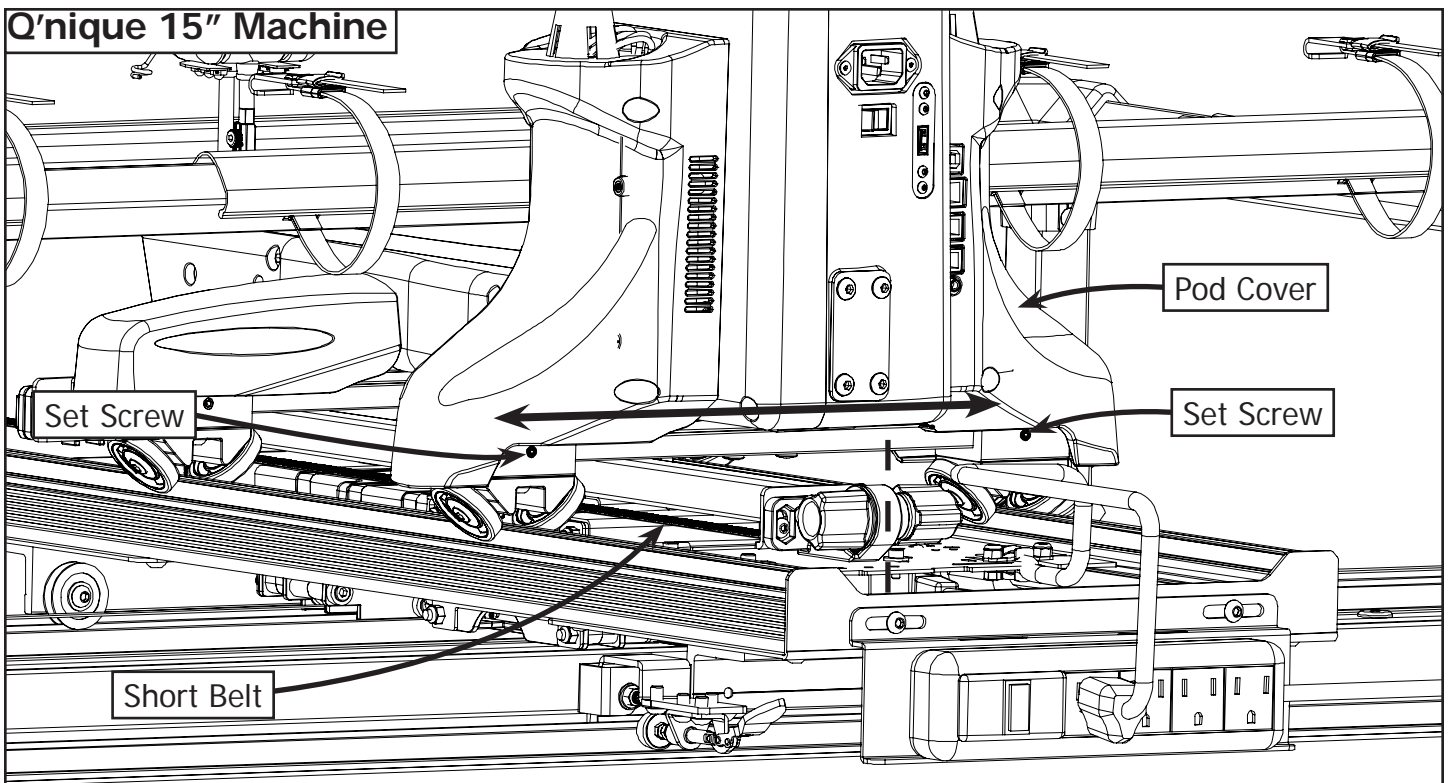
**4-13:** Pull the rest of the Short Belt through the QuiltMotion Motor Plate.



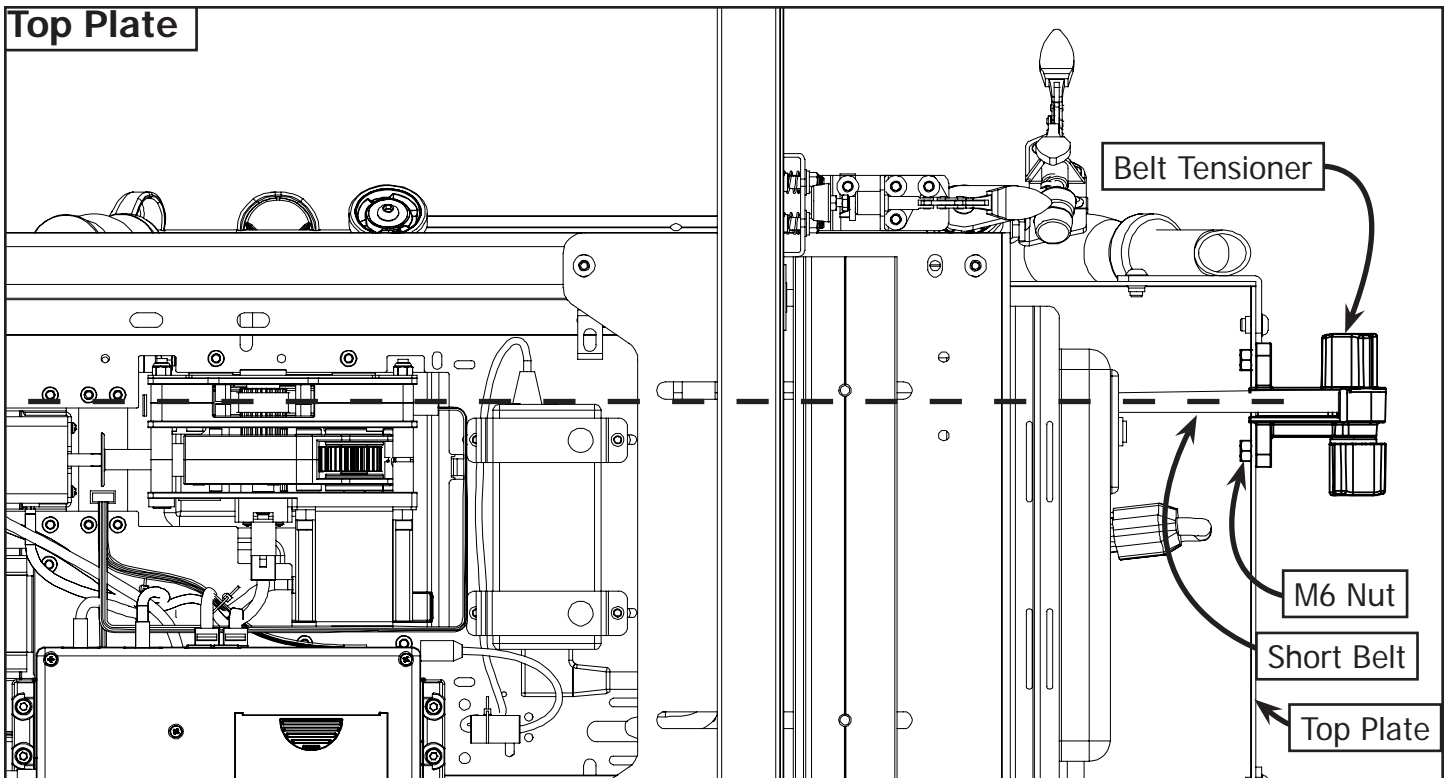
**4-14:** Place the Sewing Machine or Top Plate wheels on the Bottom Carriage and the Bottom Carriage onto the frame track. Re-Install the Thread Stand.



**4-15:** Feed the free end of the Short Belt into the Belt Tensioner. Turn the right knob to tighten the belt all the way through the Tensioner. Once the belt is tight rotate the left knob clockwise lock it into place. Repeat for the Long Belt.



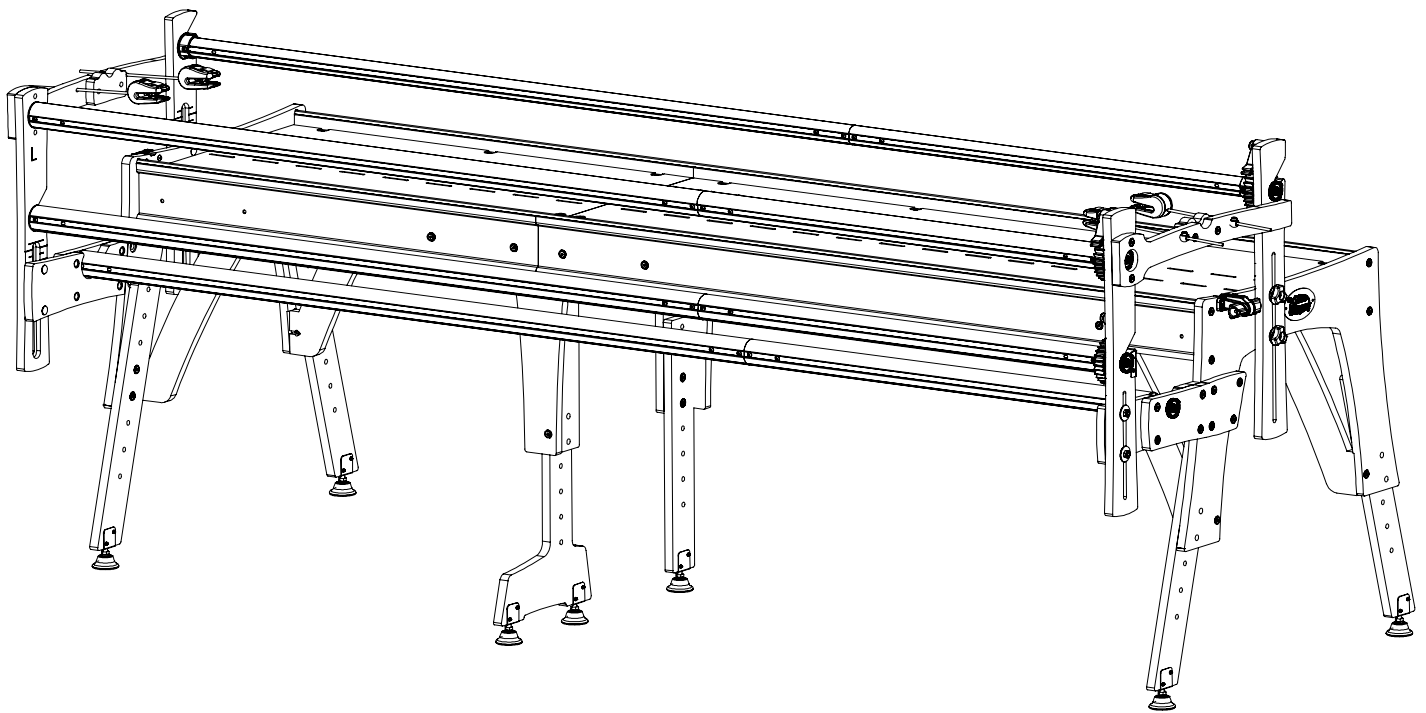
**4-16a:** Check the alignment of the short belt attached to the Top Belt Bracket. If it is bowed to one side loosen the set screws on the front and back wheels, and shift the machine until the belt is straight. Re-tighten the set screws and re-install the Pod Covers if they were removed.



**4-16b:** Check the alignment of the belt attached to the Top Plate. If it is bowed to one side move the Top Plate as far back as possible. Loosen the (2) M6 Nuts on the Belt Tensioner and adjust until the Short Belt is aligned with the Motor Plate.



**\*See Your QCT and Wiring Instructions Booklet\***



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Step 2b: Pro Carriage Power Strip Installation:.....	page 174

### Top Belt Bracket

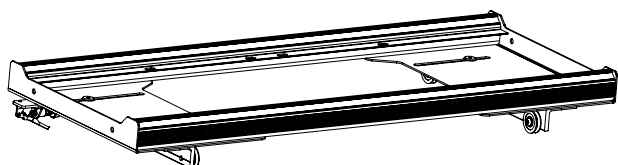
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### Gracie Wood Frame

Step 4: Long Belt Installation .....	page 180
Step 5: Aligning the Belts .....	page 183

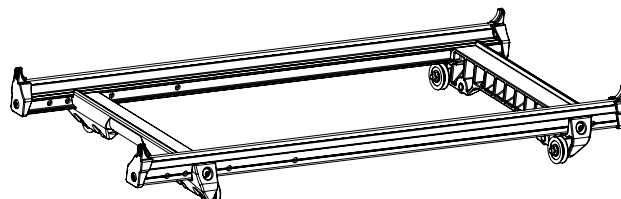
# Gracie King/Queen Frame | QuiltMotion

## Choose your Carriage | QuiltMotion



### **G-Series Carriage**

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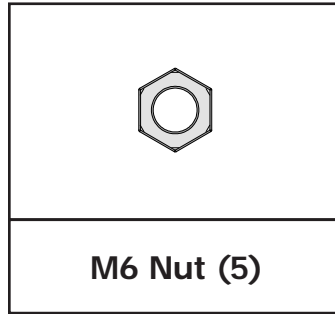
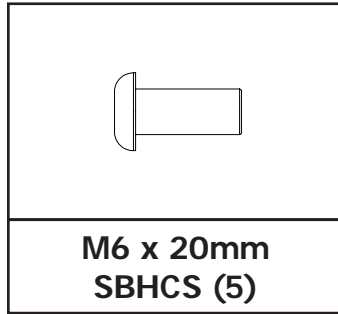
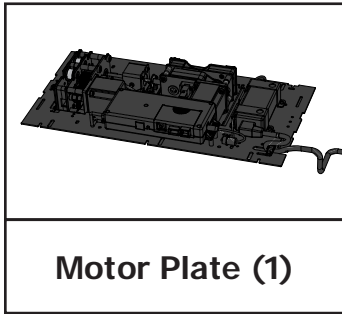
### **Pro Carriage**

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# Gracie King/Queen Frame | QuiltMotion

## Step 1a – Motor Plate Installation - G-Series Carriage

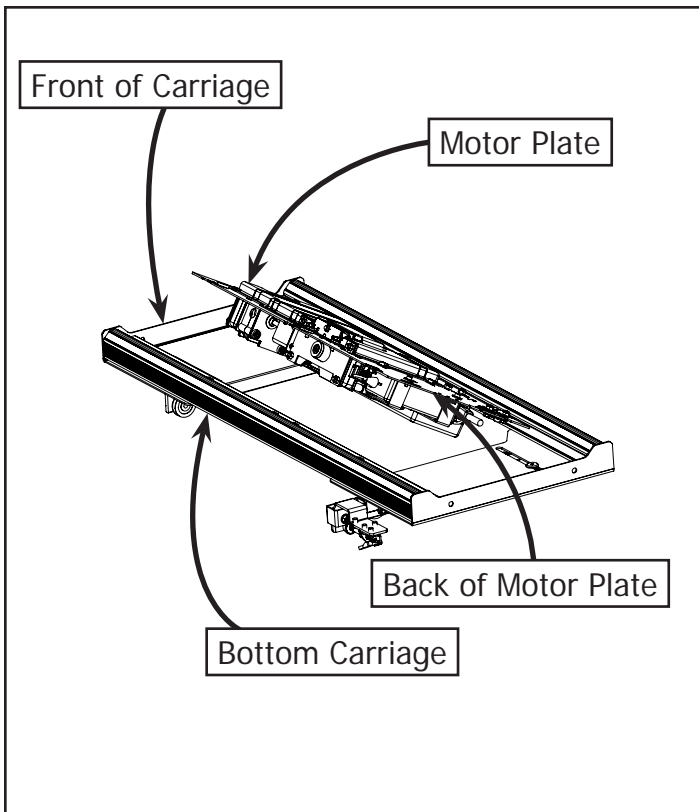
Parts Needed:



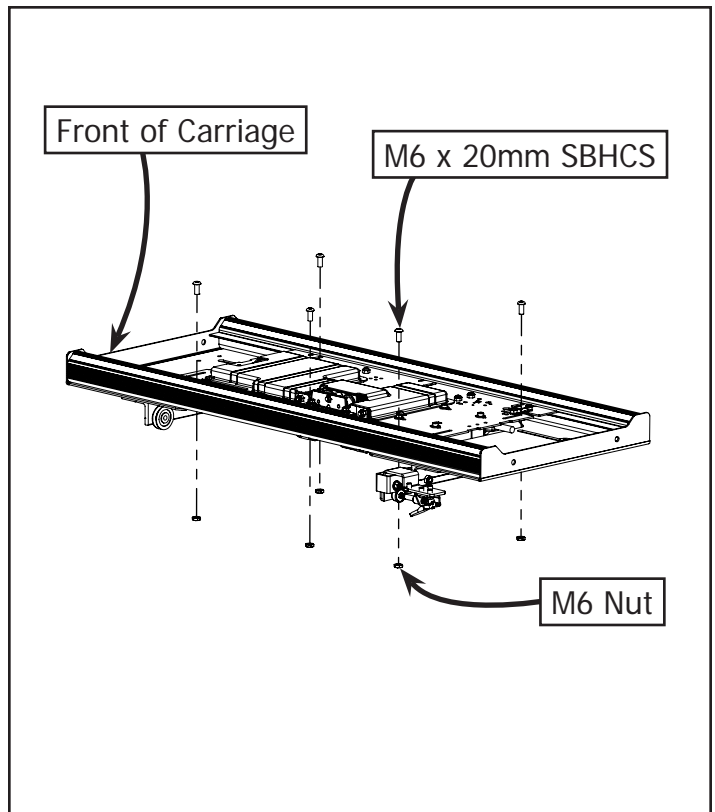
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



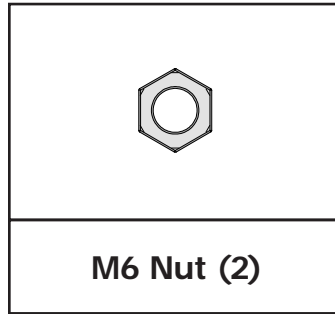
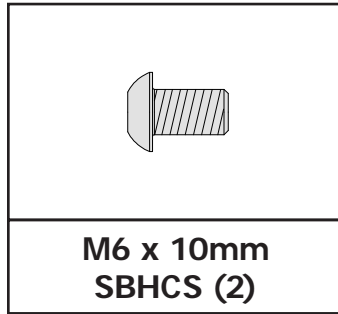
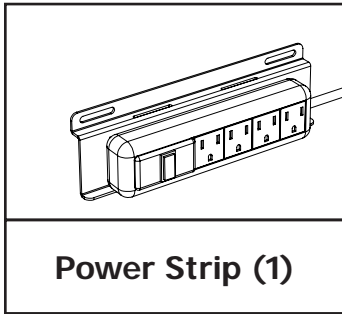
**1-1a:** Insert the Motor Plate into the Bottom Carriage at an angle.



**1-2a:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS and (5) M6 Nuts through the slots in the Bottom Carriage.

## Step 2a – Power Strip Installation - G-Series Carriage

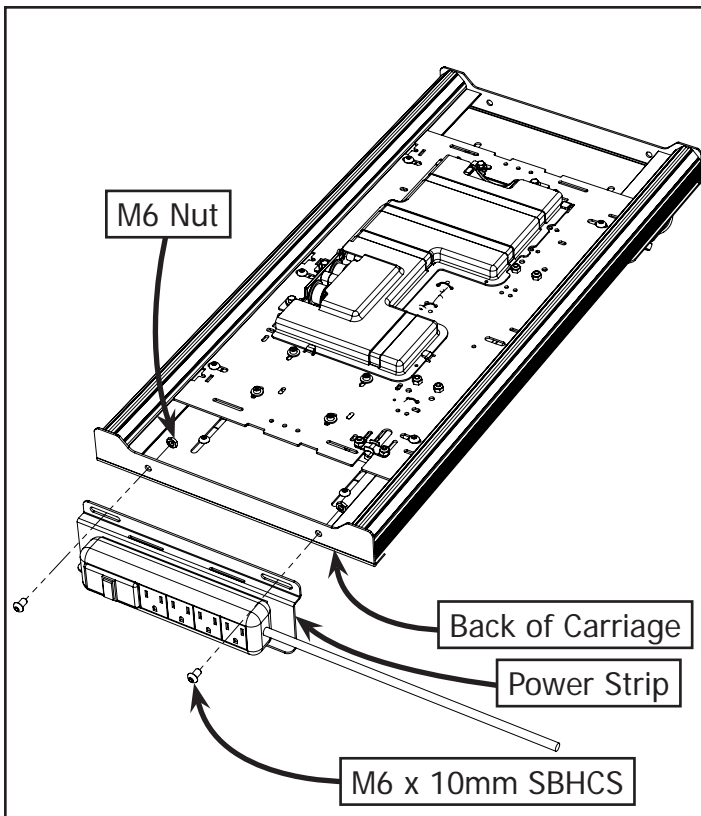
Parts Needed:



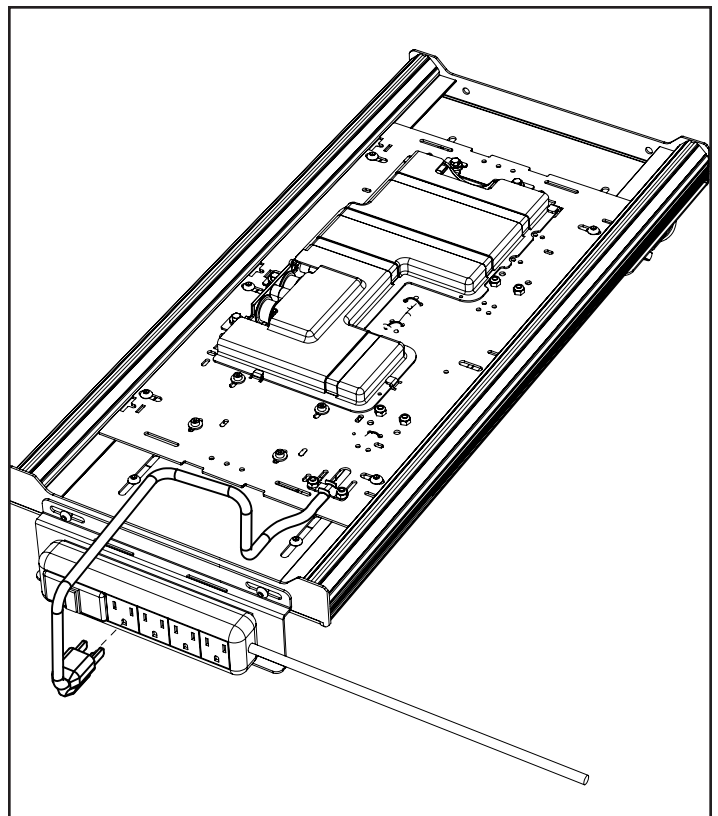
Tools Needed:

4mm Allen Wrench

10mm & 13mm Box End Wrench



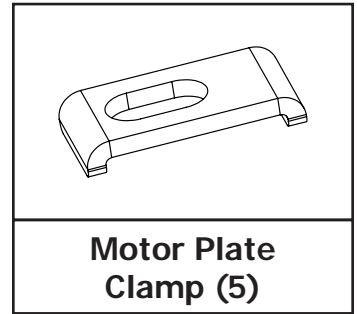
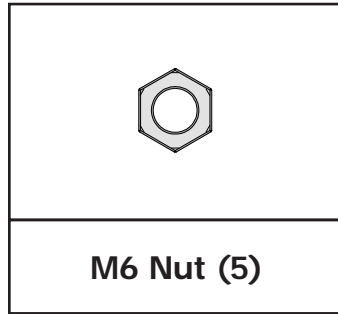
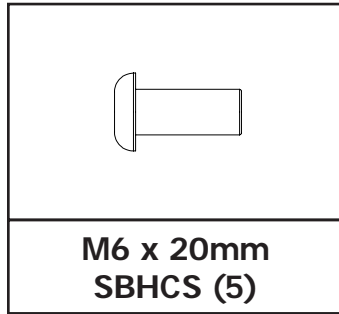
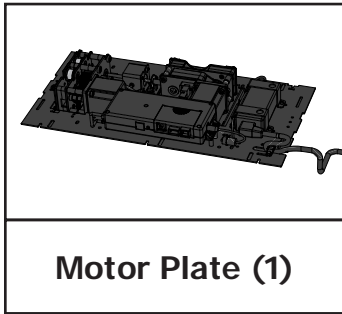
**2-1a:** Attach the Power Strip to the back of the Bottom Carriage and center it on the end using (2) M6 x 10mm SBHCS and (2) M6 Nuts.



**2-2a:** Plug the Motor Plate into the Power Strip.

## Step 1b – Motor Plate Installation - Pro Carriage

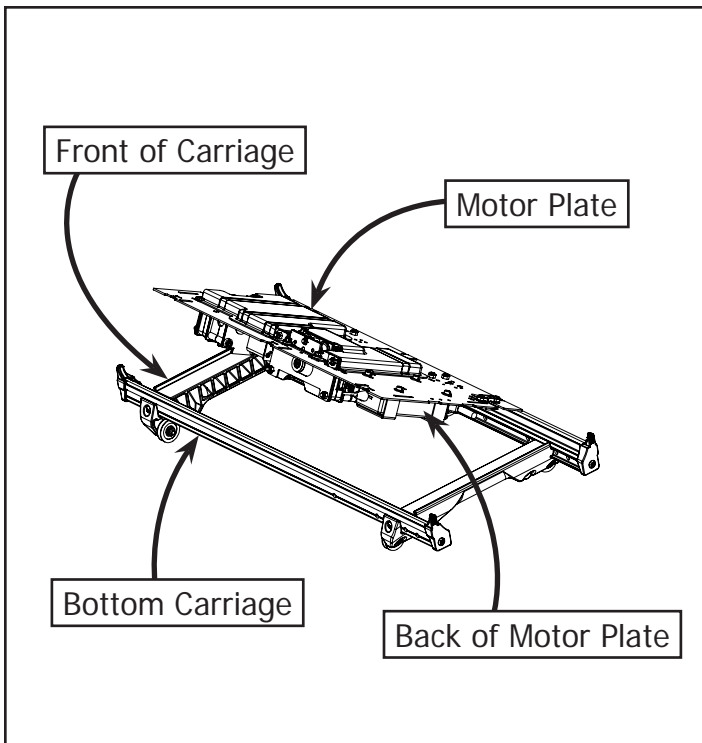
Parts Needed:



Tools Needed:

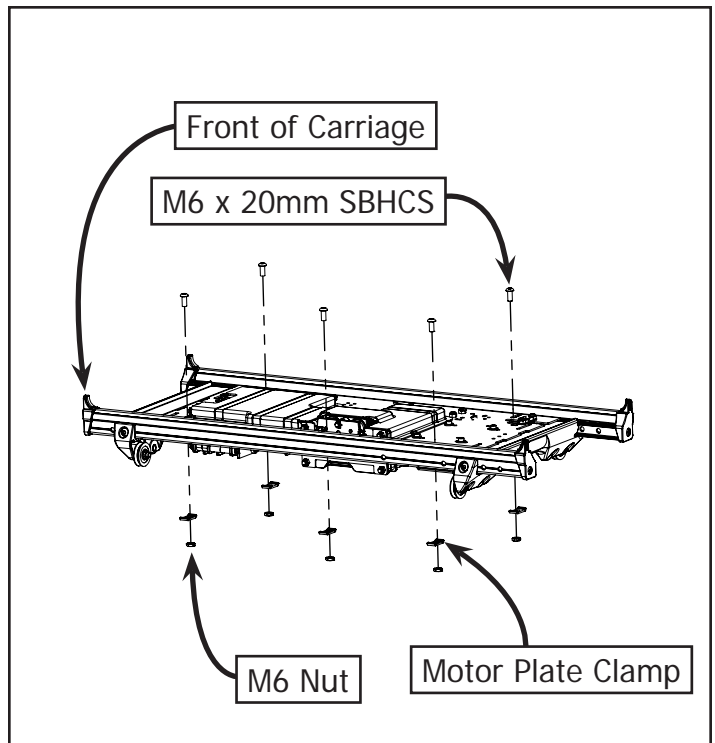
4mm Allen Wrench

10mm & 13mm Box End Wrench



**1-1b:** Insert the QuiltMotion Motor Plate into the Bottom Carriage at an angle.

**Note:** If Motor Plate will not fit, remove foam.

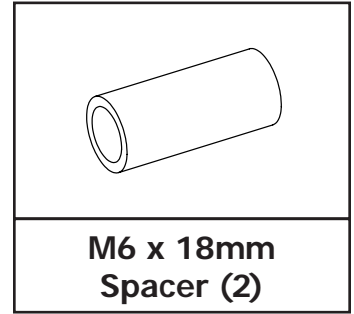
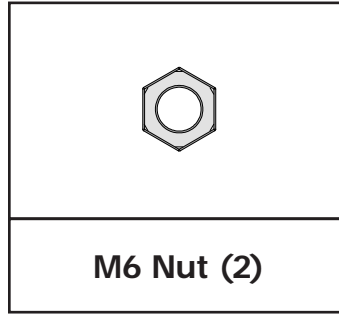
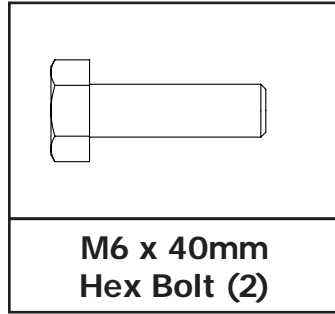
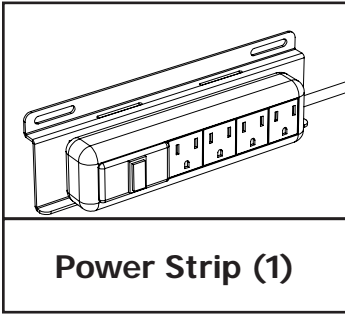


**1-2b:** Attach the Motor Plate to the Bottom Carriage using (5) M6 x 20mm SBHCS (5) Motor Plate Clamps, and (5) M6 Nuts.

**Note:** Make sure the Motor Plate is centered in the Carriage.

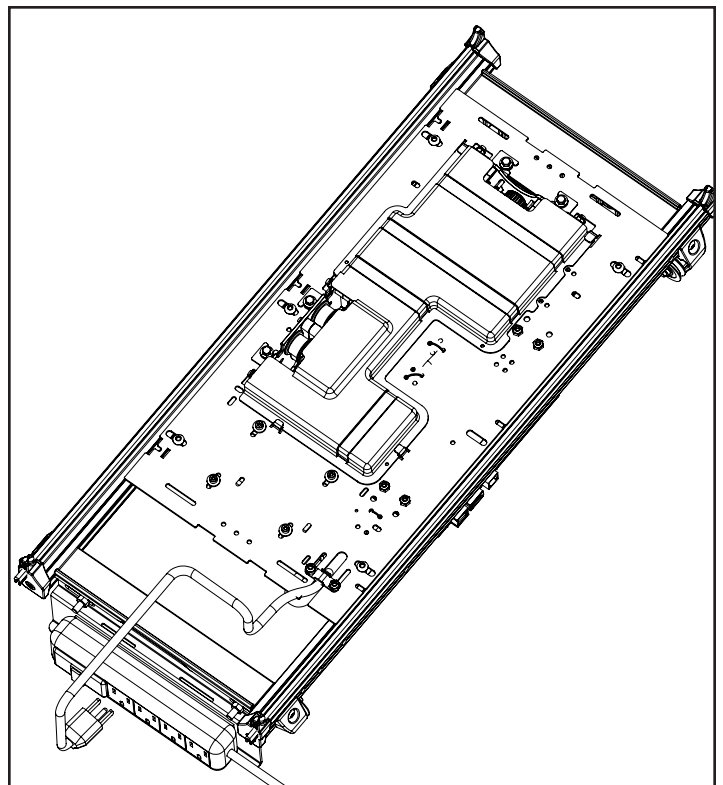
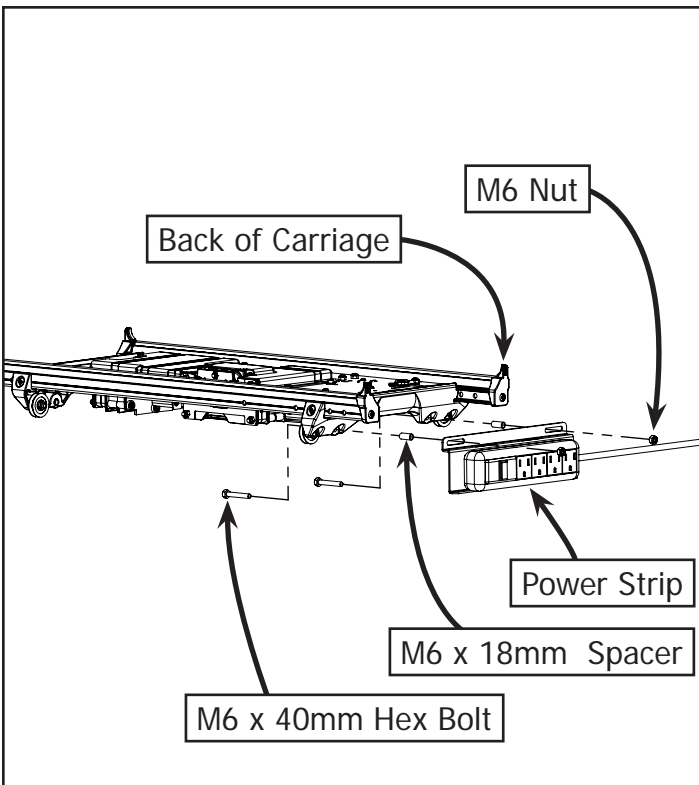
## Step 2b – Power Strip Installation - Pro Carriage

Parts Needed:



Tools Needed:

10mm & 13mm Box End Wrench



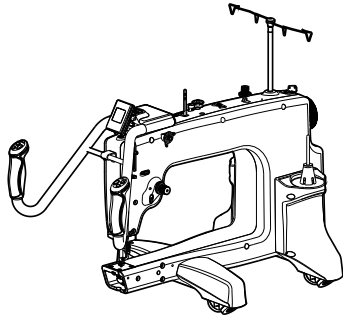
**2-1b:** Attach the Power Strip to the Bottom Carriage and center it on the end using (2) M6 x 40mm Hex Bolts, (2) M6 x 18mm Spacers, and (2) M6 Nuts.

**2-2b:** Plug the QuiltMotion Motor Plate into the Power Strip.

# Gracie King/Queen Frame | QuiltMotion

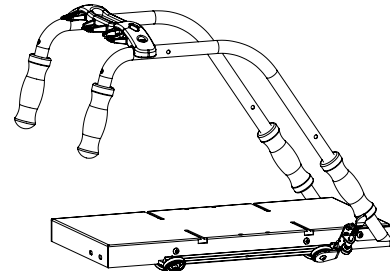
## Step 3 – Choose your Machine or Top Plate.

Proceed to the page number associated with your Machine or Top Plate.



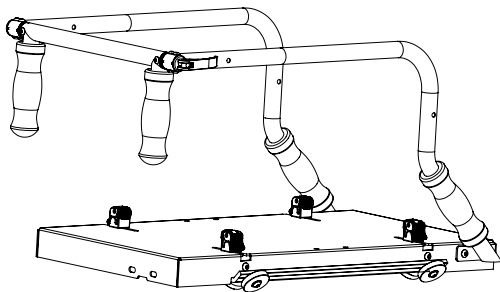
**Q'nique 15**

Turn to page 176



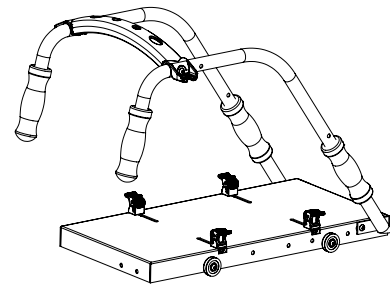
**G-Series Top Plate**

Turn to page 178



**G-Series 2 Top Plate**

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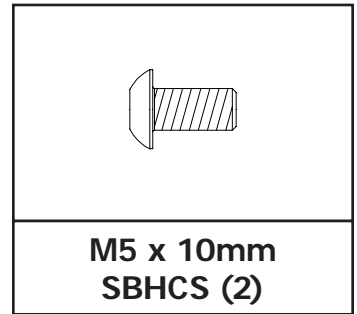
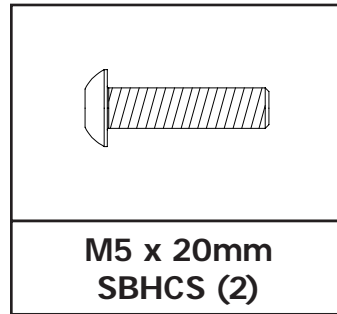
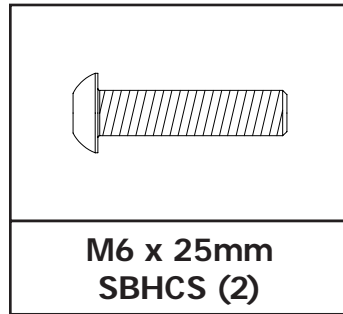
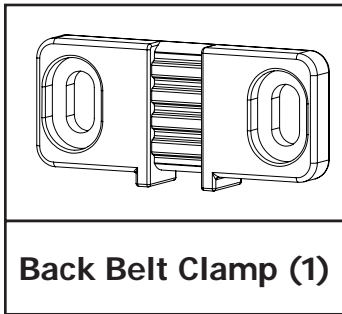
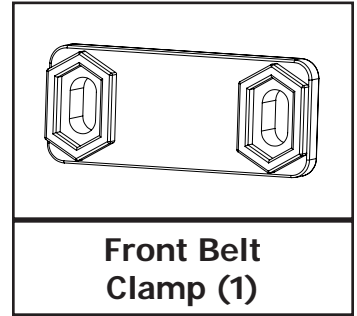
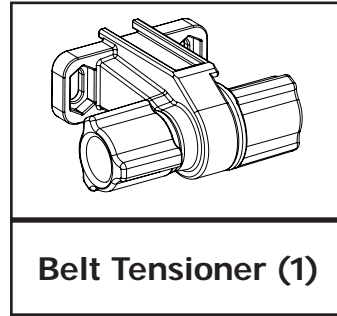
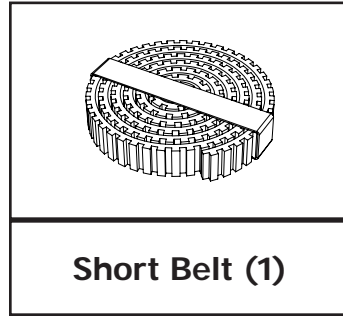
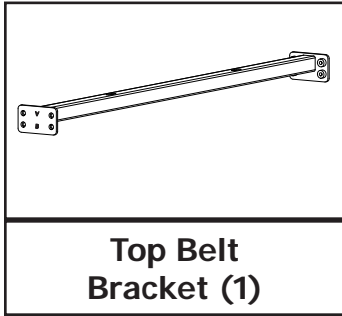
**Pro Carriage Top Plate**

Turn to page 175



## Step 3a – Short Belt Installation - Q'nique 15"

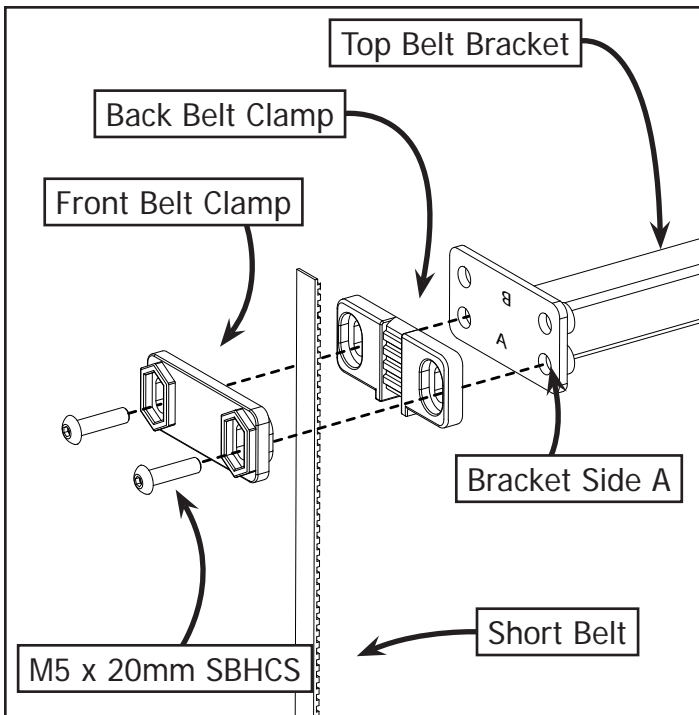
Parts Needed:



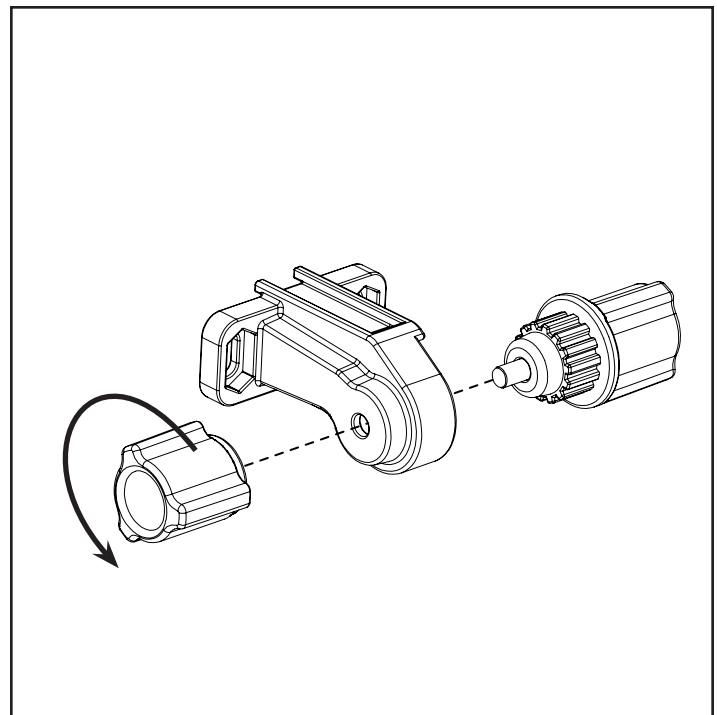
Tools Needed:

3mm Allen Wrench

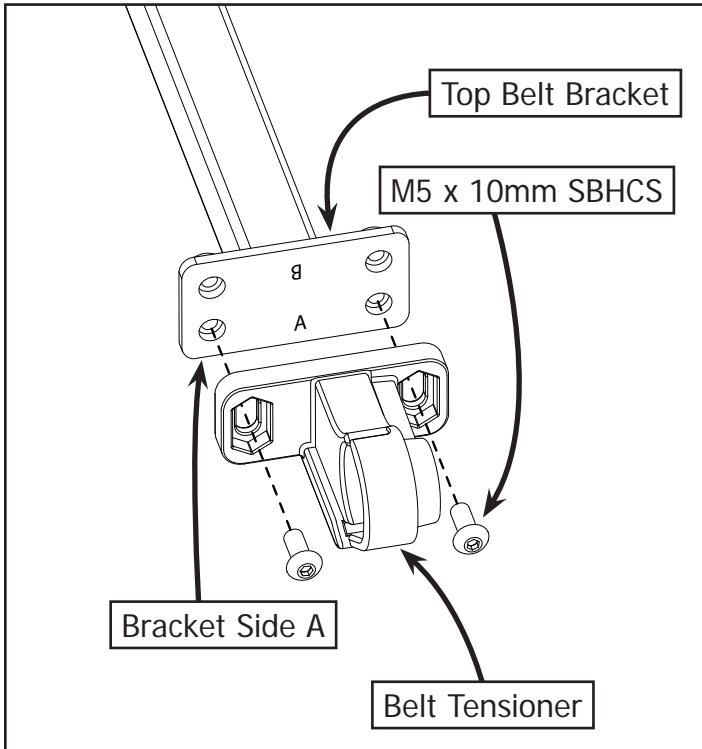
4mm Allen Wrench



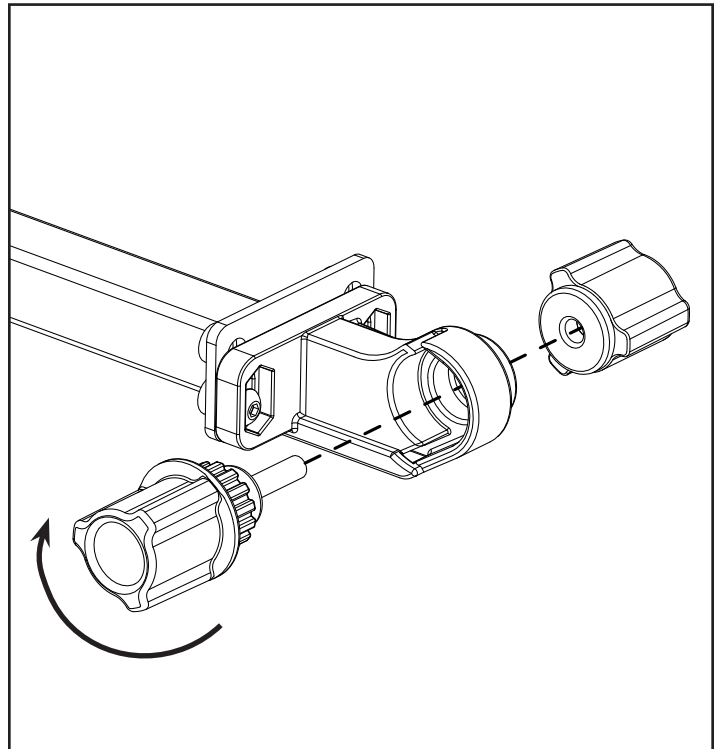
**3-1a:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach with (2) M5 x 20mm SBHCS to the Top Belt Bracket on Bracket Side A.  
**Note:** The teeth of the belt should be facing towards the Top Belt Bracket.



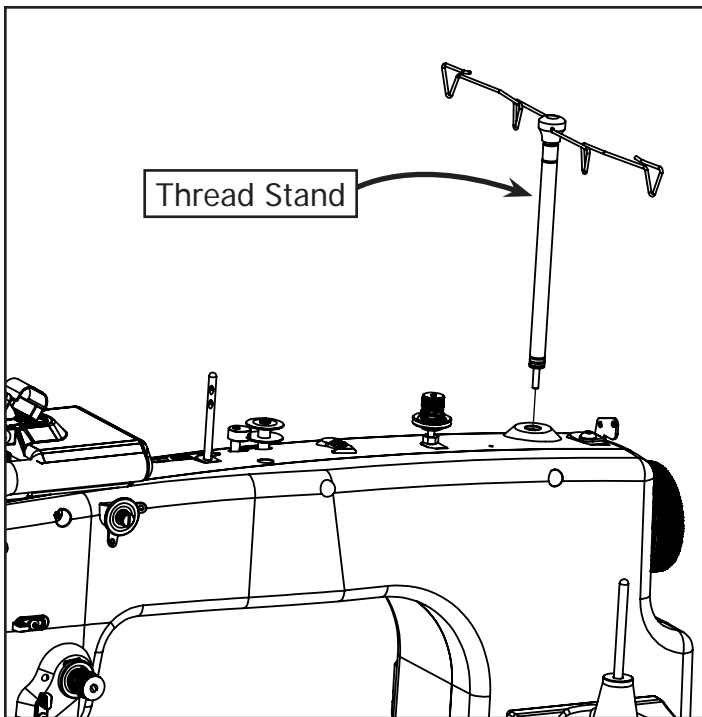
**3-2a:** Turn the right knob of the Belt Tensioner counter clockwise and remove the tensioner knobs.



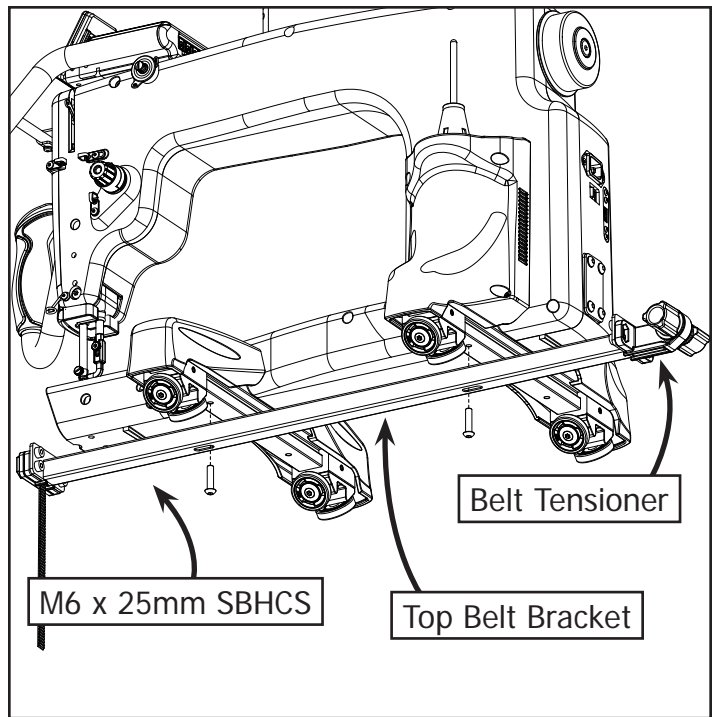
**3-3a:** Assemble the Belt Tensioner onto the opposite end of the Top Belt Bracket on Bracket Side A using (2) M5 x 10mm SBHCS.



**3-4a:** Re-Install the Belt Tensioner Knobs.



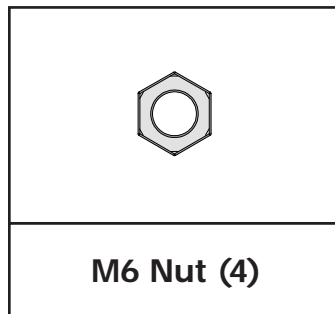
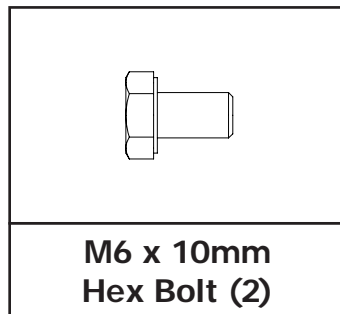
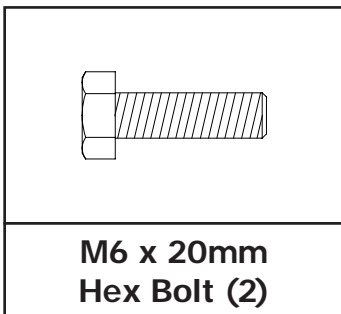
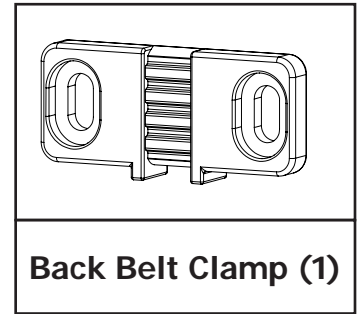
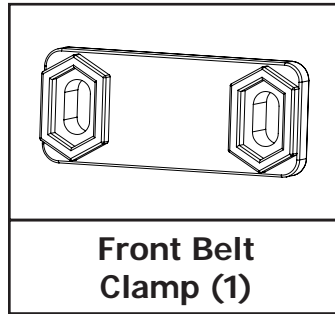
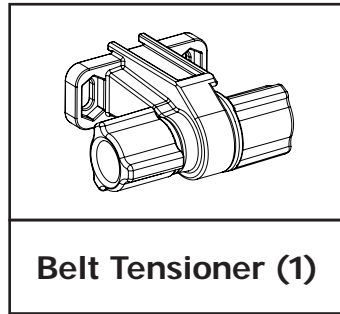
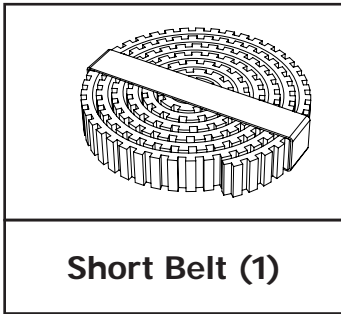
**3-5a:** Remove the Thread Stand from your machine. See your machine manual for instructions.



**3-6a:** Attach the Top Belt Bracket to the bottom of the Sewing Machine using (2) M6 x 25mm SBHCS. **Note:** Be sure the Belt Tensioner is at the back of the machine. Slide Top Belt Bracket as far to the rear as possible.

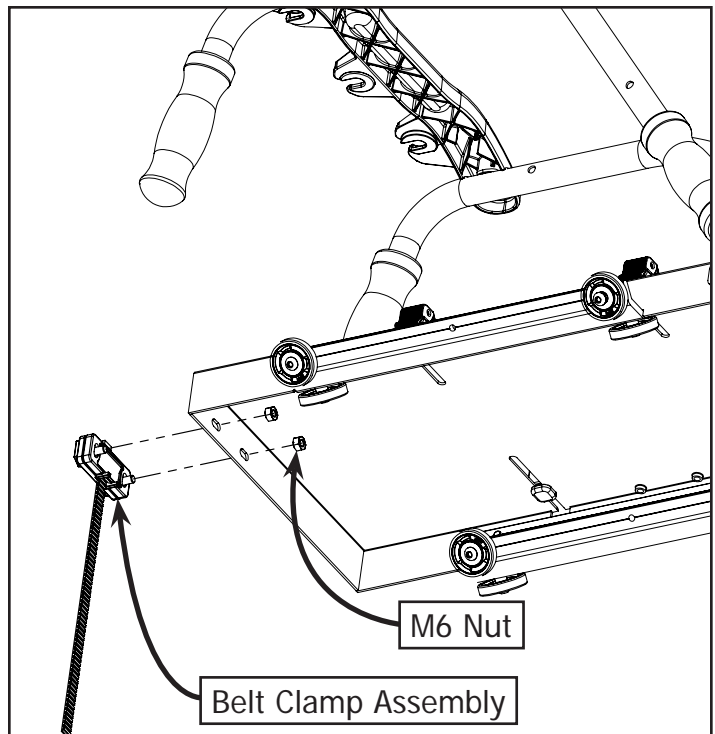
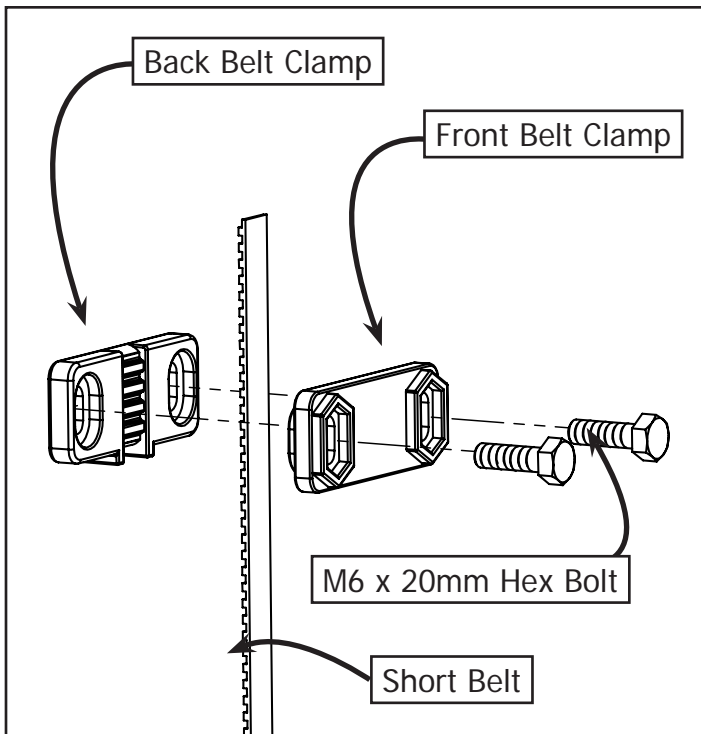
## Step 3b – Short Belt Installation - Top Plate

Parts Needed:



Tools Needed:

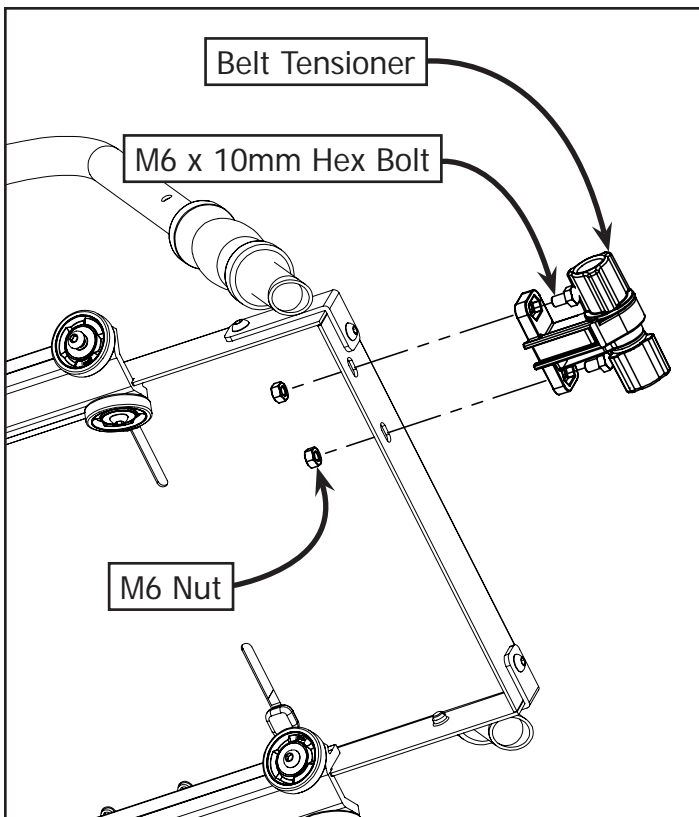
10mm & 13mm Open End Wrench



**3-1b:** Place the most curly end of the Short Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and place (2) M6 x 20mm Hex Bolts through the Belt Clamp.

**3-2b:** Assemble the completed assembly (from Step 3-1b) to the front end of the Top Plate using (2) M6 Nuts.

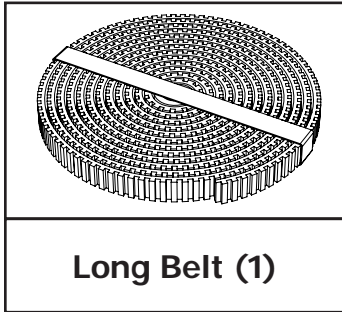
**Note:** The teeth of the belt should be facing towards the Top Plate.



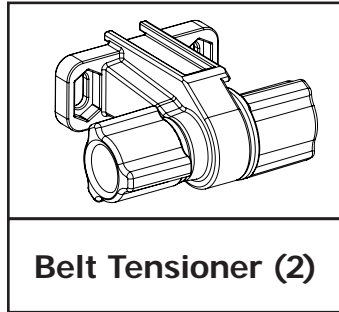
**3-3b:** Assemble the Belt Tensioner onto the opposite end of the Top Plate using (2) M6 x 10mm Hex Bolts and (2) M6 Nuts.

## Step 4 - Long Belt Installation

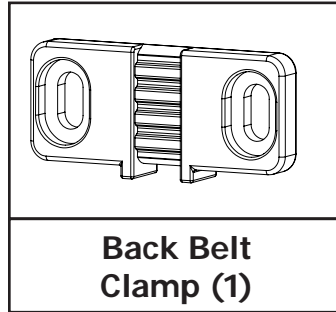
Parts Needed:



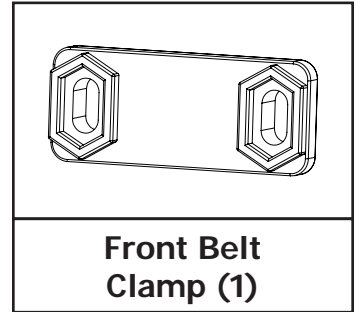
Long Belt (1)



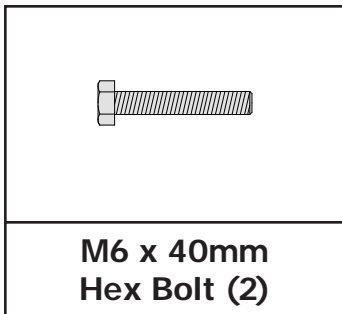
Belt Tensioner (2)



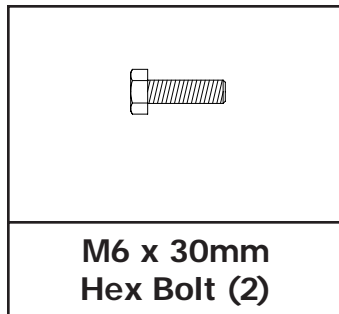
Back Belt  
Clamp (1)



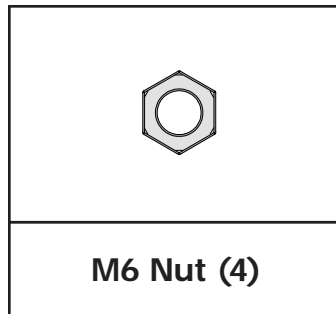
Front Belt  
Clamp (1)



M6 x 40mm  
Hex Bolt (2)



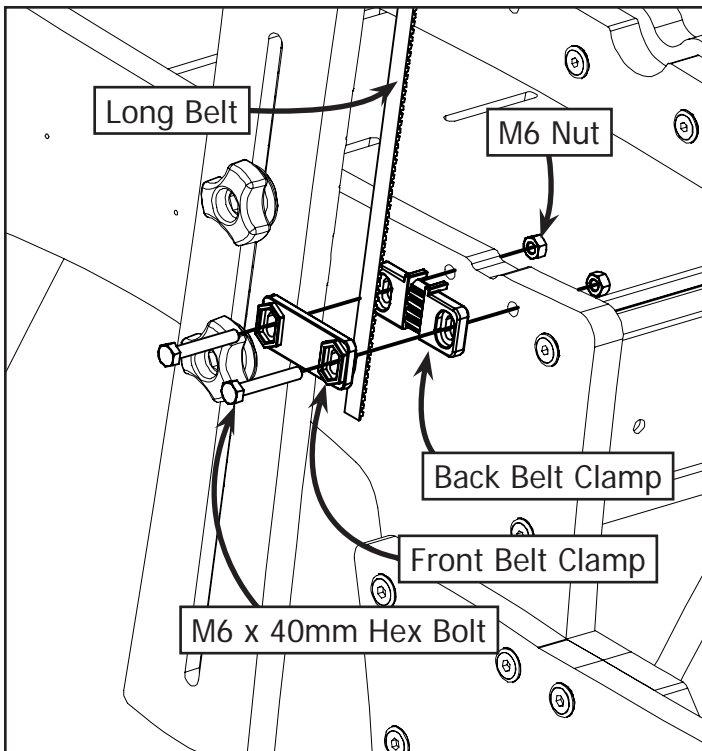
M6 x 30mm  
Hex Bolt (2)



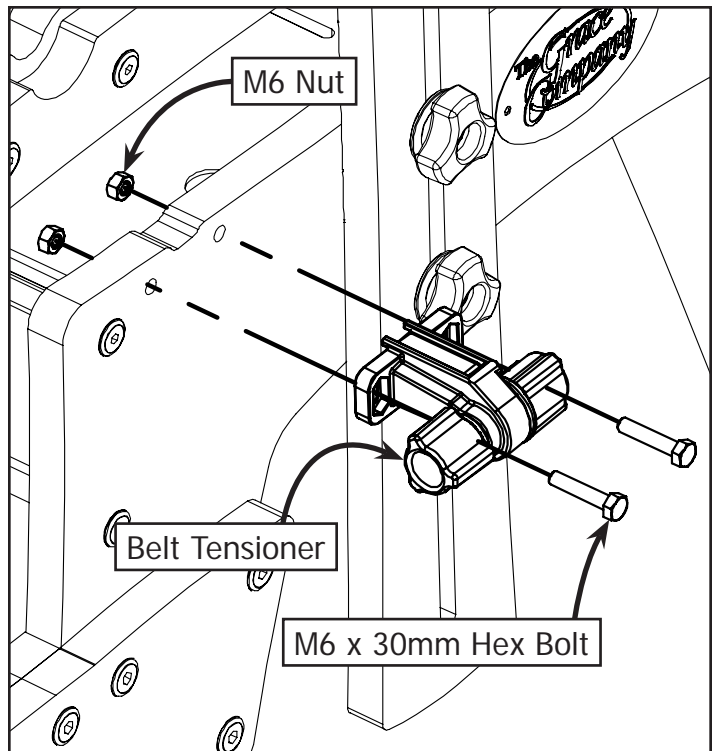
M6 Nut (4)

Tools Needed:

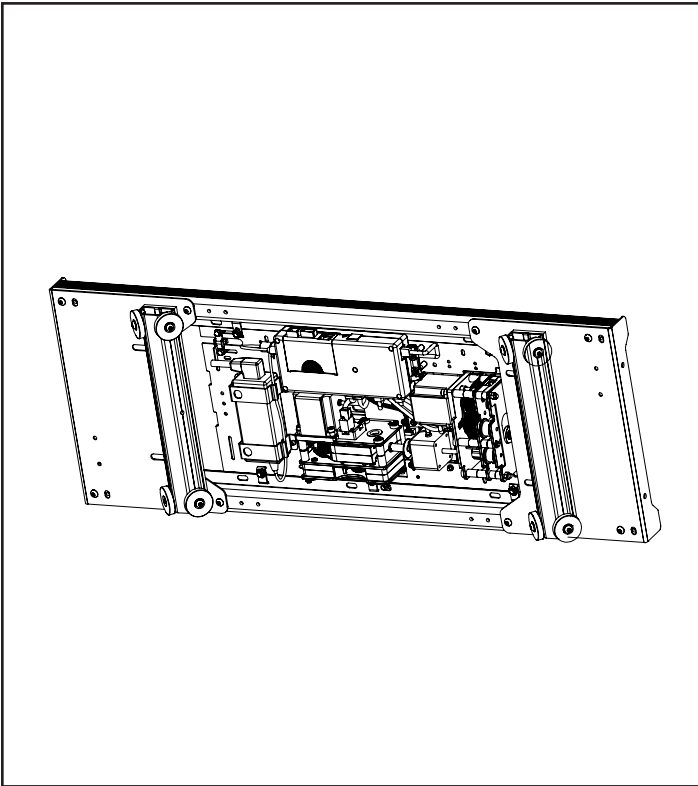
4mm Allen Wrench



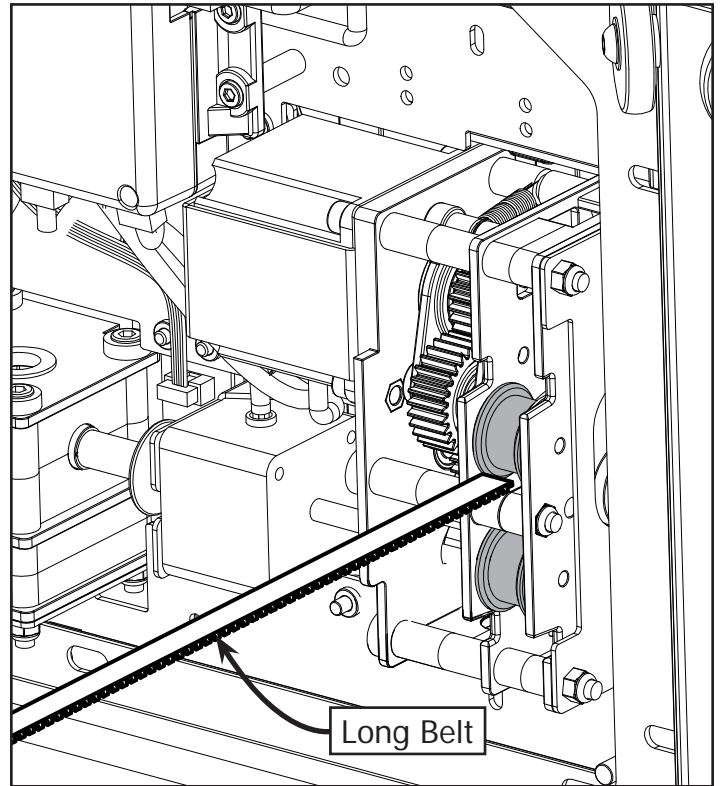
**4-1:** Place the most curly end of the Long Belt into the Back Belt Clamp. Place the Front Belt Clamp over the belt and attach to the left side of the frame using (2) M6 x 40mm Hex Bolts and (2) M6 Nuts.



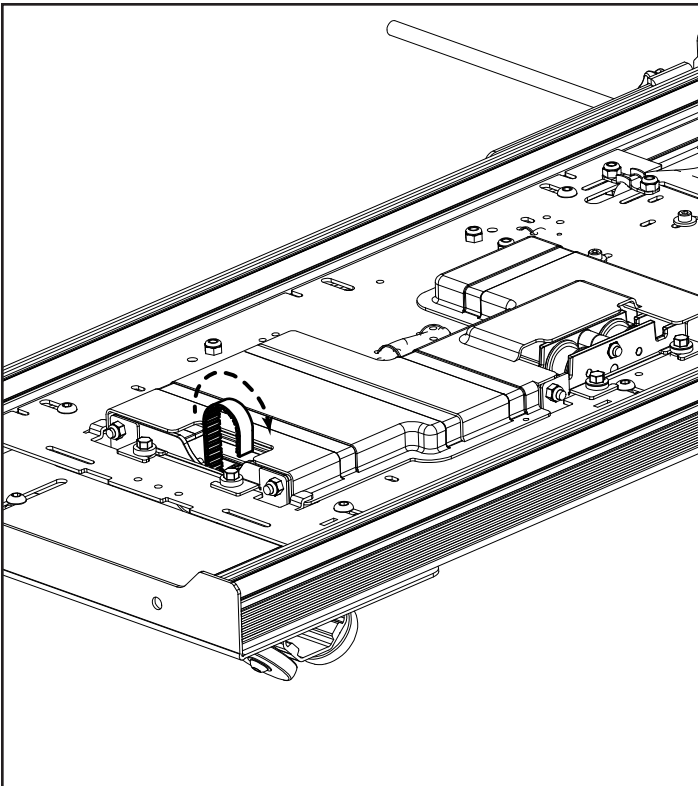
**4-2:** Assemble the Belt Tensioner to the Right Frame Side using (2) M6 x 30mm Hex Bolts and (2) M6 Nuts.



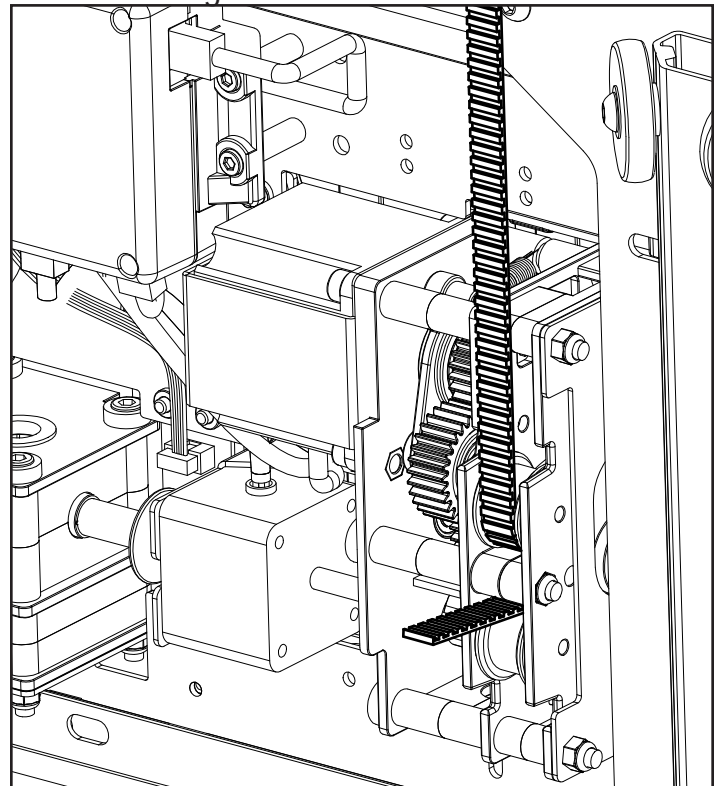
4-3: Tilt the Bottom Carriage onto its side.



4-4: Keep the Long Belt flat and thread the Long Belt into the gearbox in the QuiltMotion Motor Plate from the bottom until it comes out the top of the Bottom Carriage.

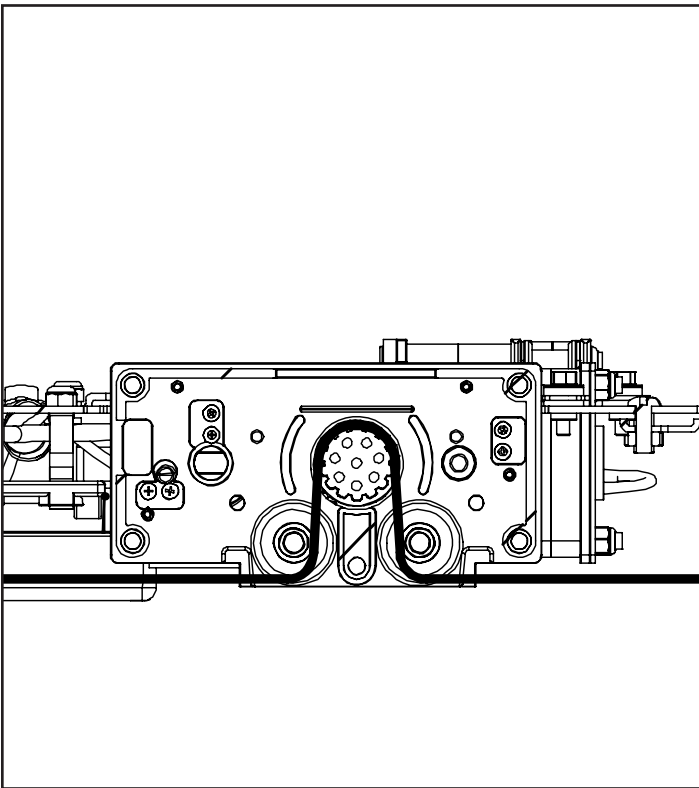


4-5: Loop the Long Belt over and feed it back through the gear box and back out the bottom of the Bottom Carriage.

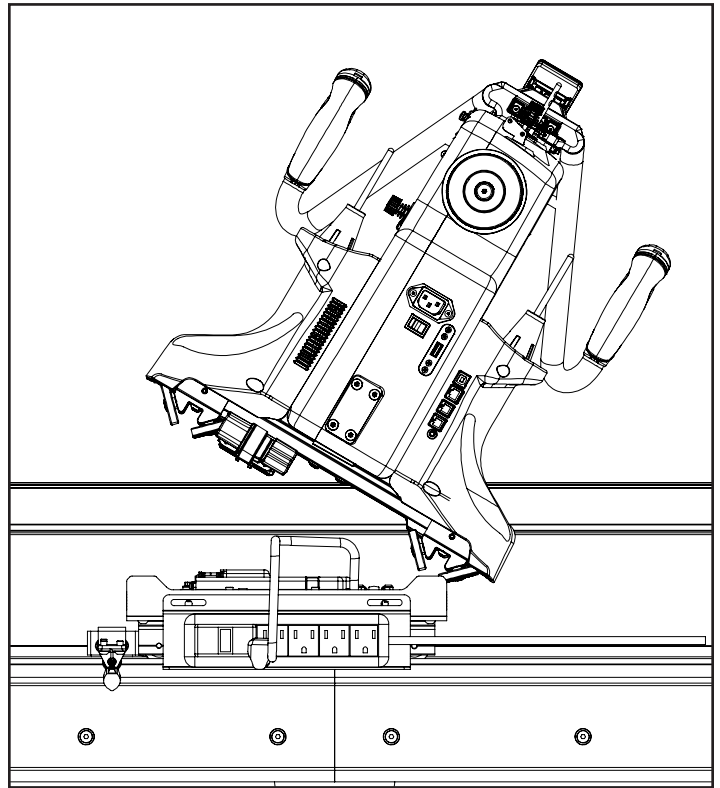


4-6: Pull the rest of the Long Belt through the QuiltMotion Motor Plate.

**Note:** Do not insert the belt into the Belt Tensioner Assembly yet.

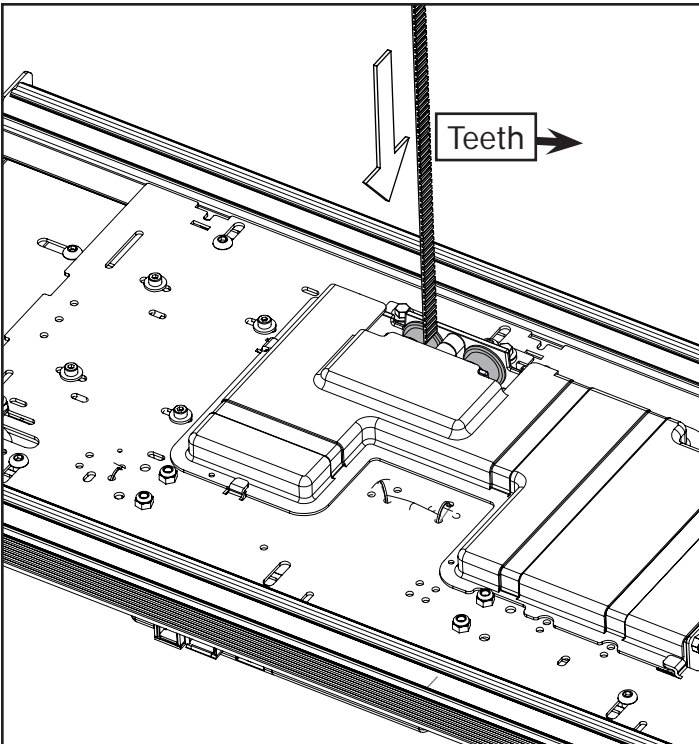


**4-7:** Belt will be routed as shown.



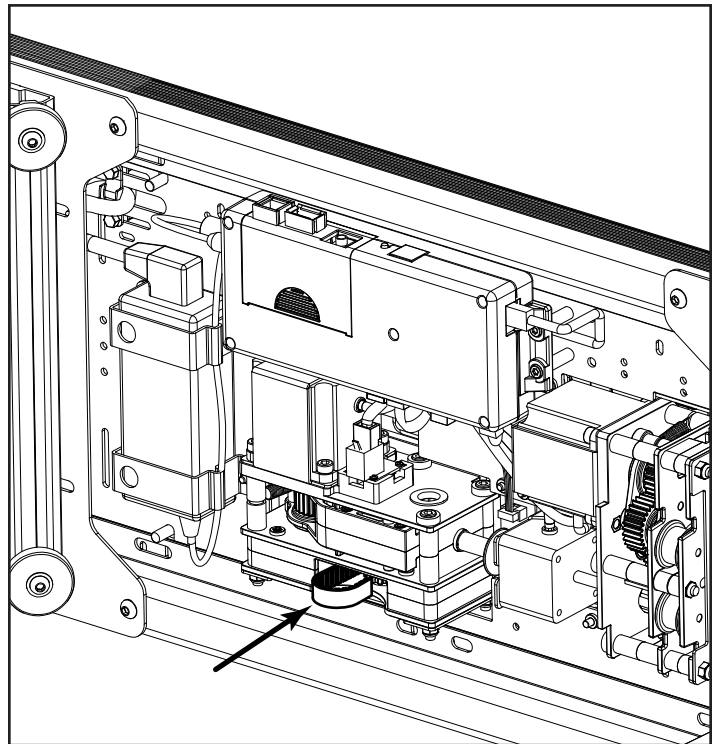
**4-8:** Place Sewing Machine or Top Plate at an angle on the carriage.

**Note:** This step will require two people.



**4-9:** Thread the free end of the Short Belt into the gear box in the QuiltMotion Motor Plate from the top until it comes out the bottom of the carriage.

**Note:** Keep the belt flat without any twists.



**4-10:** Loop the Short Belt over and feed it back through the gear box and back out the top of the Bottom Carriage.

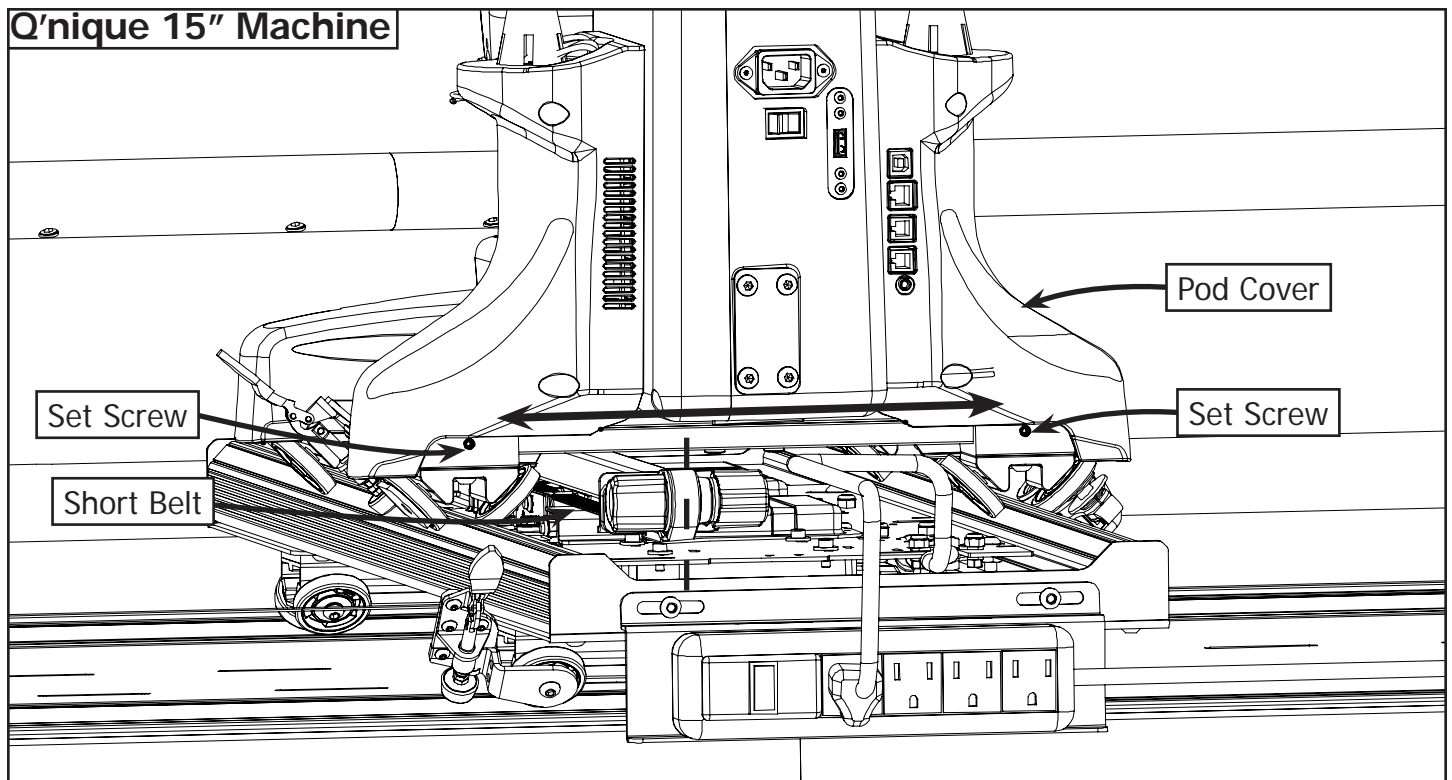
**Note:** The belt teeth should be facing towards the gear teeth.

## Step 5 - Aligning the Belts

Tools Needed:

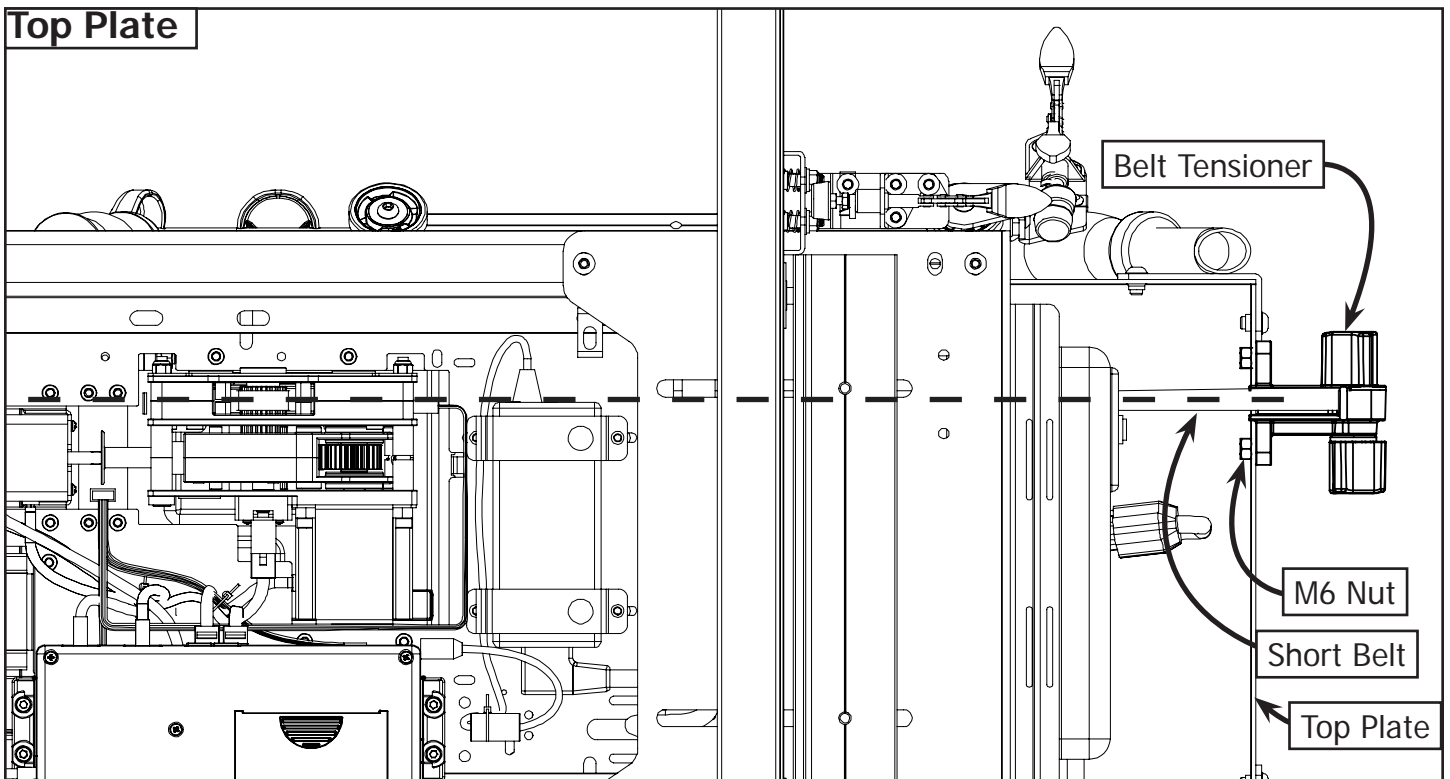
3mm Allen Wrench

4mm Allen Wrench

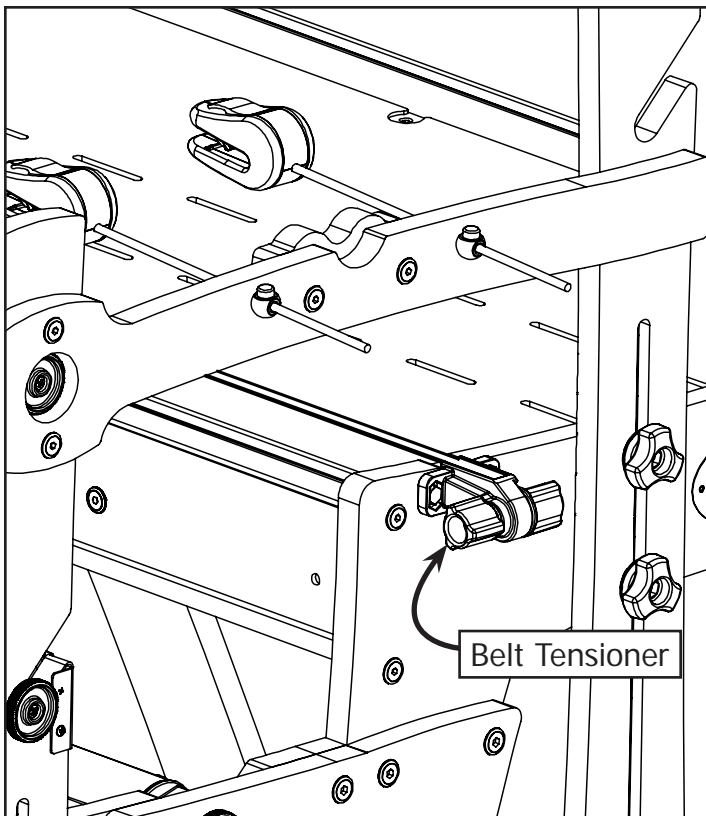


**5-1a:** Check the alignment of the short belt attached to the Top Belt Bracket. If it is bowed to one side loosen the set screws on the front and back wheels, and shift the machine until the belt is straight. Retighten the set screws and re-install the Pod Covers if they were removed.

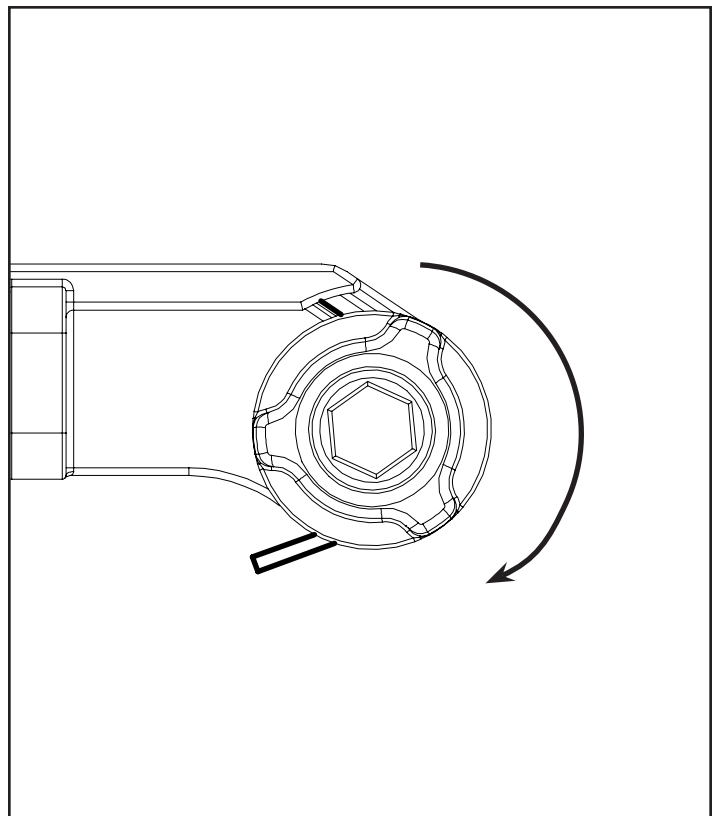




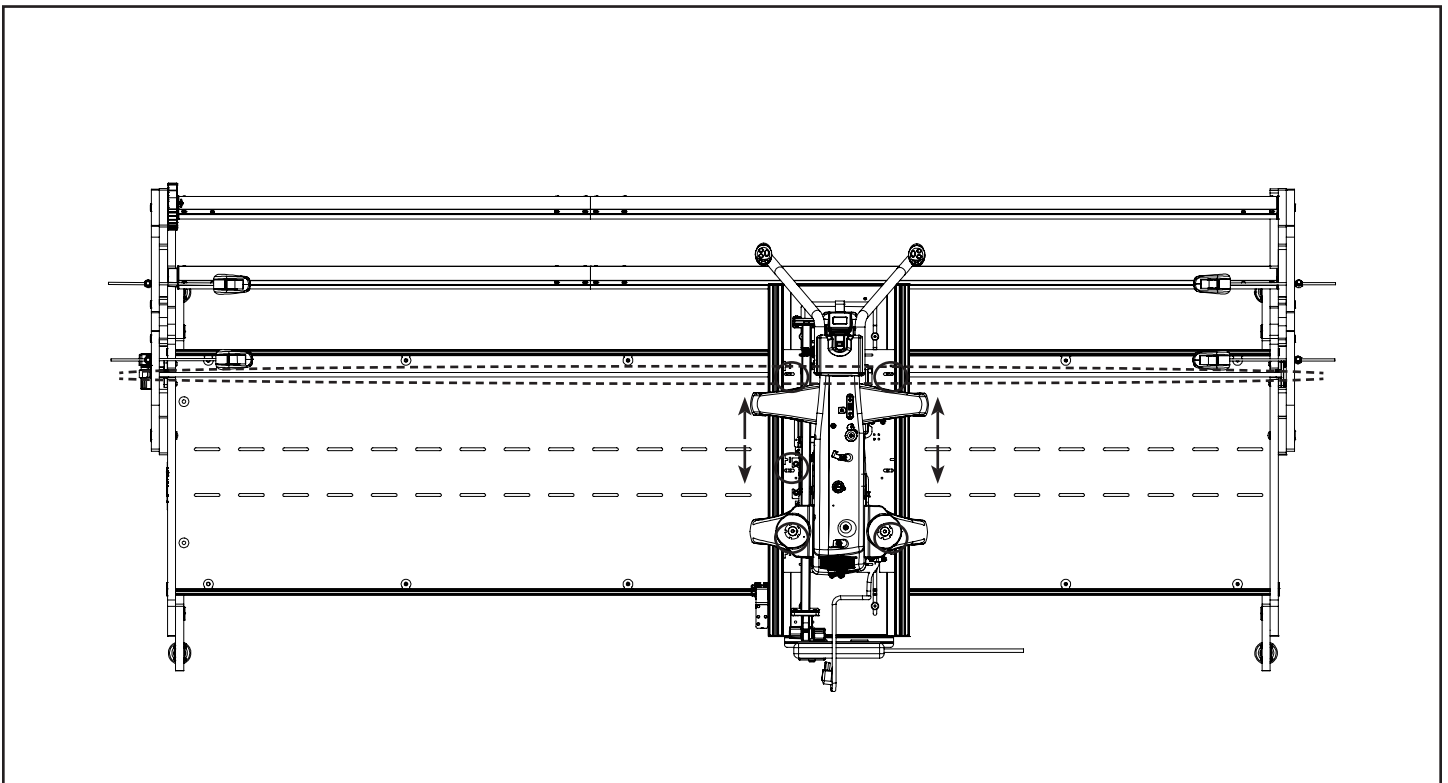
**5-1b:** Check the alignment of the belt attached to the Top Plate. If it is bowed to one side move the Top Plate as far back as possible. Loosen the (2) M6 Nuts on the Belt Tensioner and adjust until the Short Belt is aligned with the Motor Plate.



**5-2:** Insert the free end of the Long Belt into the Belt Tensioner Assembly.

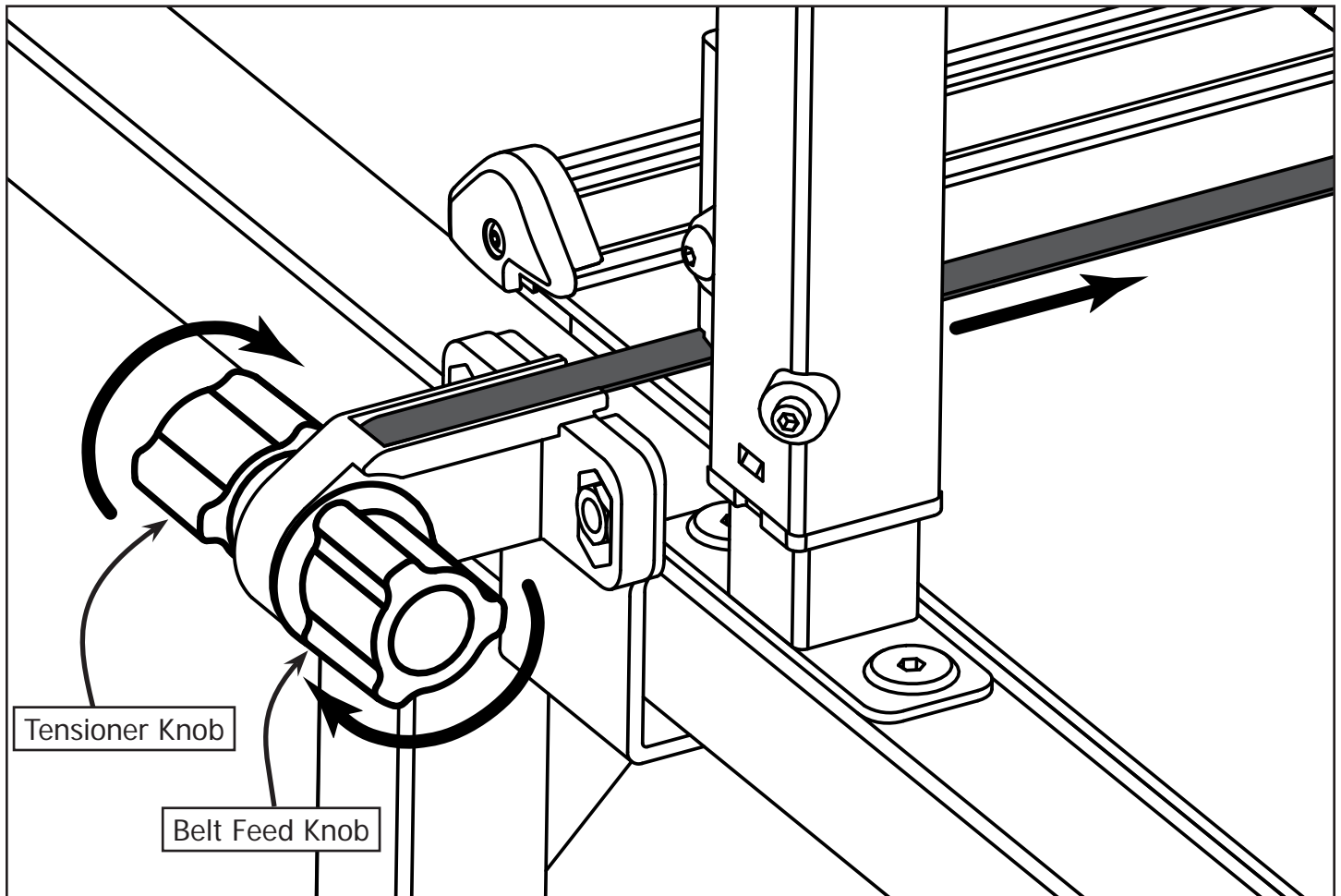


**5-3:** Twist the right Belt Tensioner knob to tighten the belt. Once the belt is tight rotate the left knob clockwise to lock it into place.



**5-4:** Loosen the (5) M6 x 20mm SBHCS from the Motor Plate. Adjust the Motor Plate to make sure there is no bow in the Long Belt. Once the Long Belt is straight tighten the (5) M6 x 20mm SBHCS on the Motor Plate.

**\*See Your QCT and Wiring Instructions Booklet\***



For free motion quilting with QuiltMotion setup on the frame, release use the belt tensioner to release the tension from the long belt on the frame.

1. Loosen the Tensioner Knob on the long belt tensioner.
2. Use the Belt Feed Knob to feed slack into the long belt. **Do not remove the belt from the tensioner.**



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