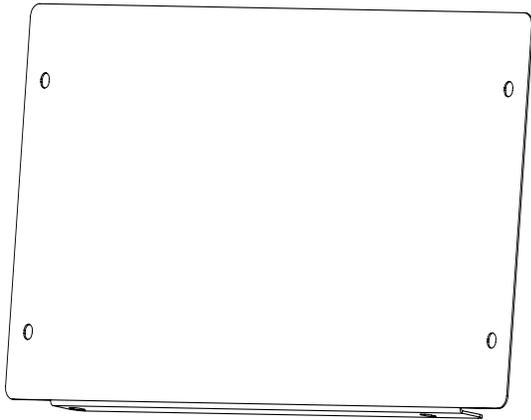


# *Continuum*

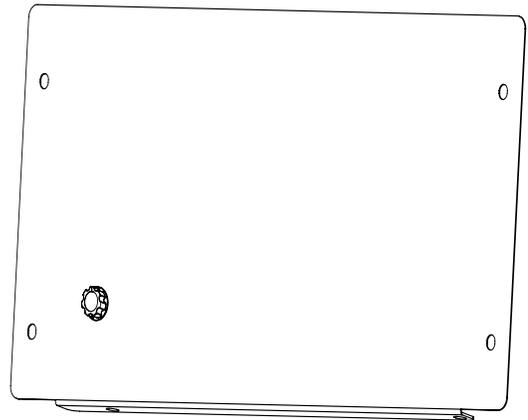
## Gliding Rail Accessory

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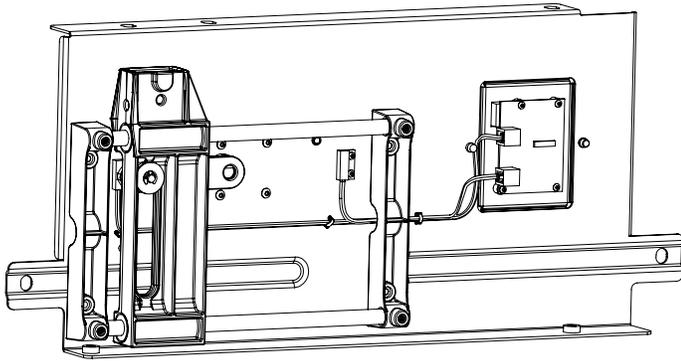
# Parts List Box 1



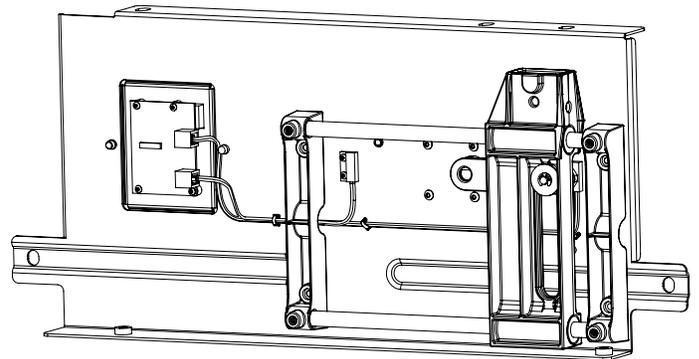
Left Cover  
(1)



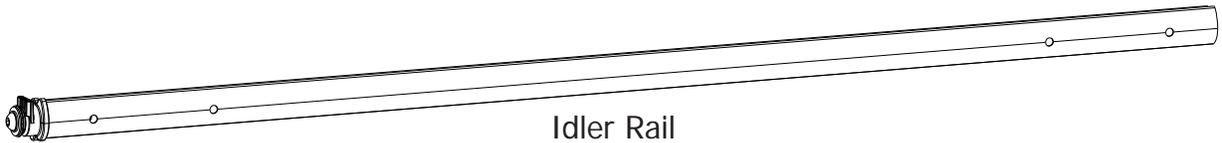
Right Cover  
(1)



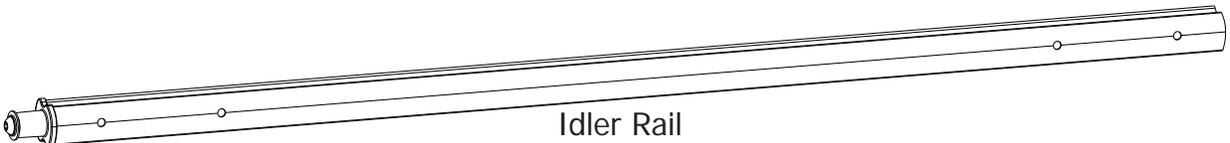
Left Motor Plate  
Assembly  
(1)



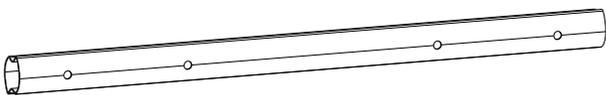
Right Motor  
Plate Assembly  
(1)



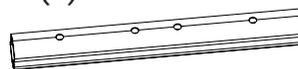
Idler Rail  
Fixed End  
(1)



Idler Rail  
Floating End  
(1)



Idler Rail  
Middle Section  
(2)

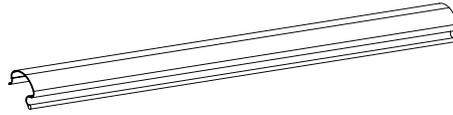
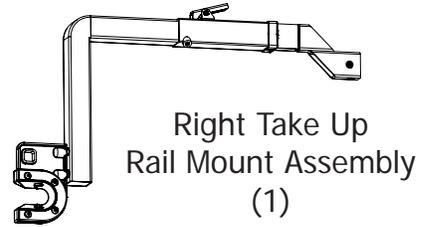
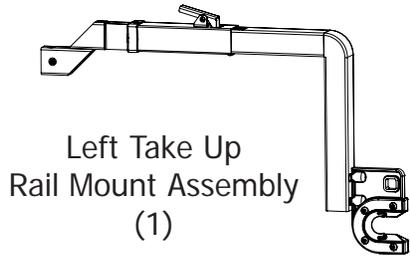


Idler Rail 1ft  
Section  
(1)



Idler Rail  
Coupler  
(3)

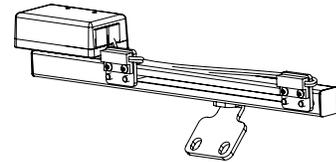
# Parts List | Gliding Rail Accessory



Fabric  
Clip  
(6)

---

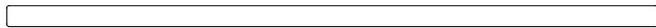
## Hardware Box



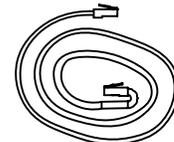
Open Market  
Sensor Bracket  
(1)



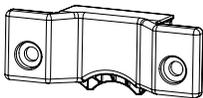
Rail Slot  
Cover Center  
(2)



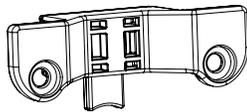
Rail Slot  
Cover Sides  
(4)



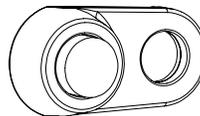
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Cable  
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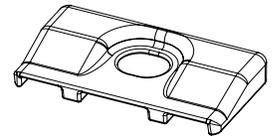
Rail Holder  
Cap  
(2)



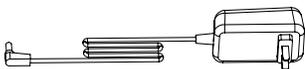
Rail Tensioner  
Cap  
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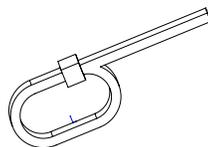
Magnet  
Mount  
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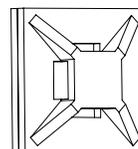
Slot Plate Cap  
(4)



Power Supply  
(2)



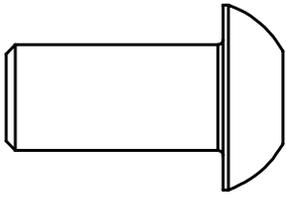
Zip Tie  
(14)



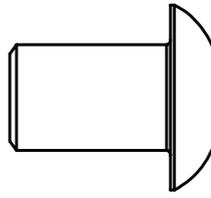
Zip Tie Mount  
(12)

# Parts List | Gliding Rail Accessory

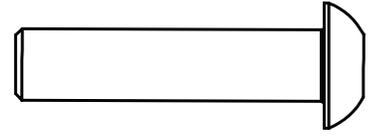
## Hardware Box



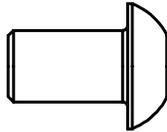
M8 x 16mm  
SBHCS  
(16)



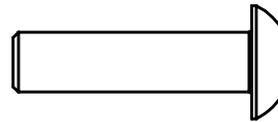
M8 x 10mm  
SBHCS  
(4)



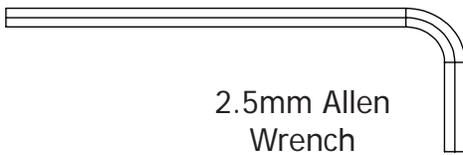
M6 x 20mm  
SBHCS  
(1)



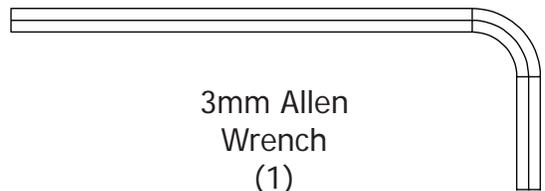
M6 x 10mm  
SBHCS  
(8)



M5 x 20mm  
SBHCS  
(6)



2.5mm Allen  
Wrench  
(1)



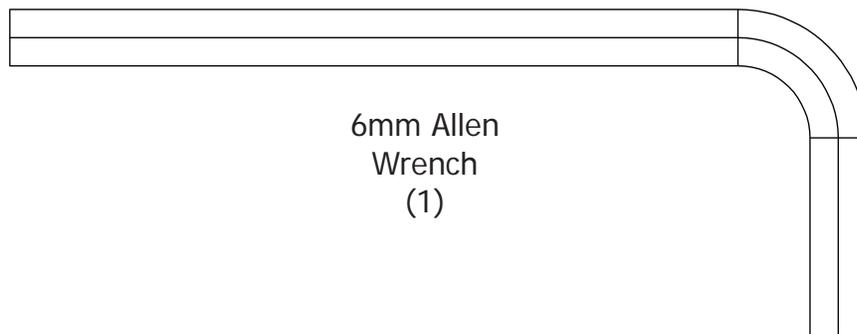
3mm Allen  
Wrench  
(1)



4mm Allen  
Wrench  
(1)



5mm Allen  
Wrench  
(1)



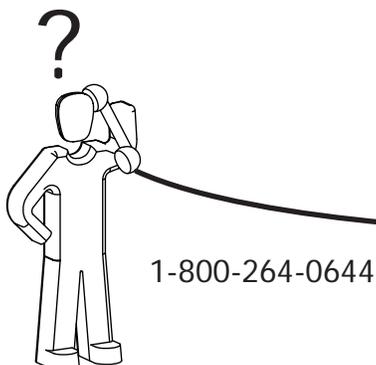
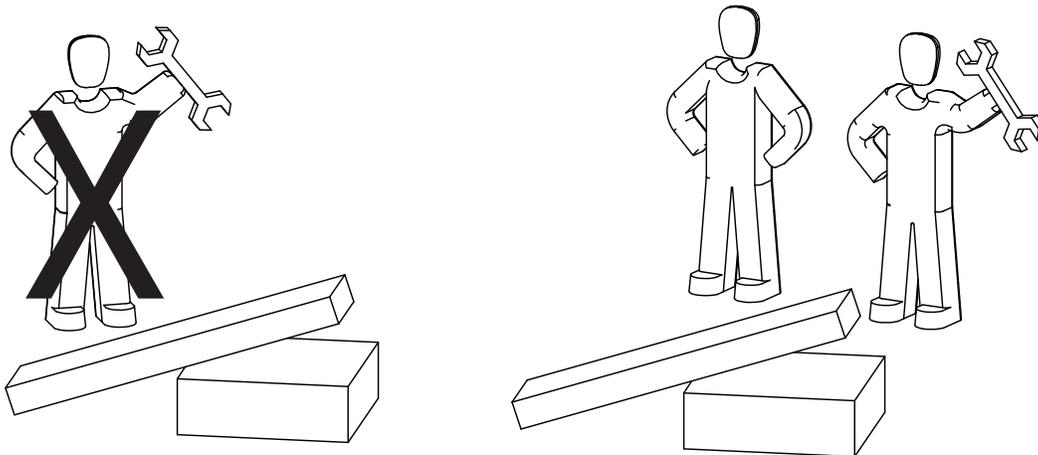
6mm Allen  
Wrench  
(1)

## Preparation and Warranty

If you have purchased a Grace Continuum Frame and Gliding Rail Accessory together, Complete the Continuum Frame Assembly Instructions prior to proceeding with the assembly of the Gliding Rail Accessory. If you have purchased the Batting Rail Accessory, it is recommended you assembly the Batting Rail Accessory prior to the Gliding Rail Accessory.

### Warranty Information for your Continuum Gliding Rail Accessory

The Continuum Gliding Rail Accessory 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.



The Grace  
Company  
Fine Quilting Frames

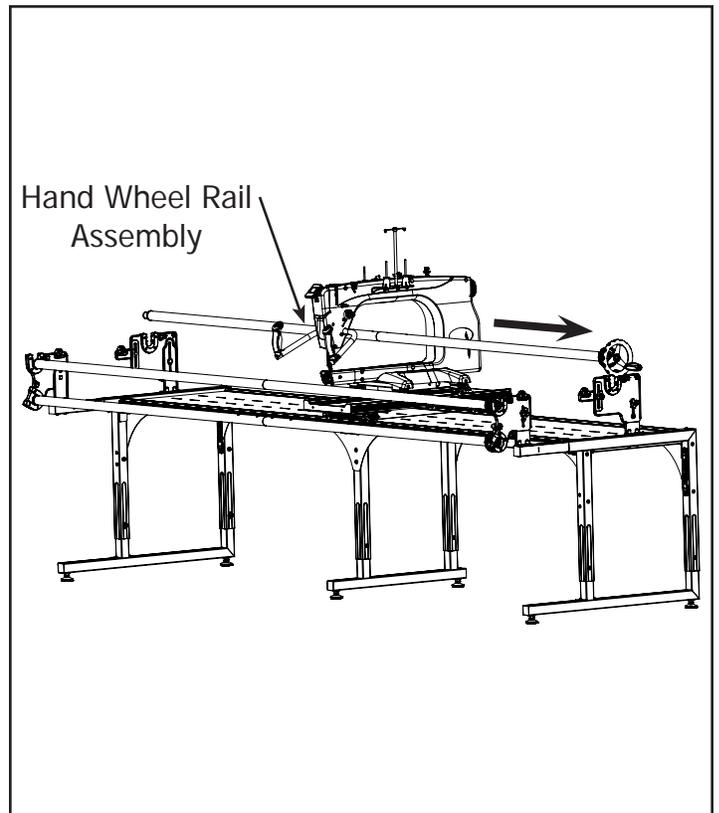
# Preparation

## Step 1 - Removal Steps

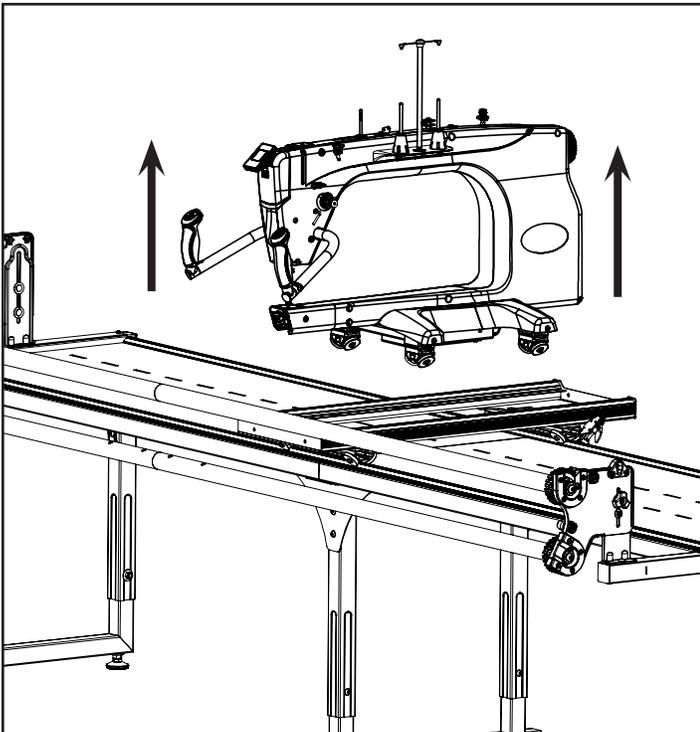
Tools Needed:

4mm Allen Wrench

6mm Allen Wrench

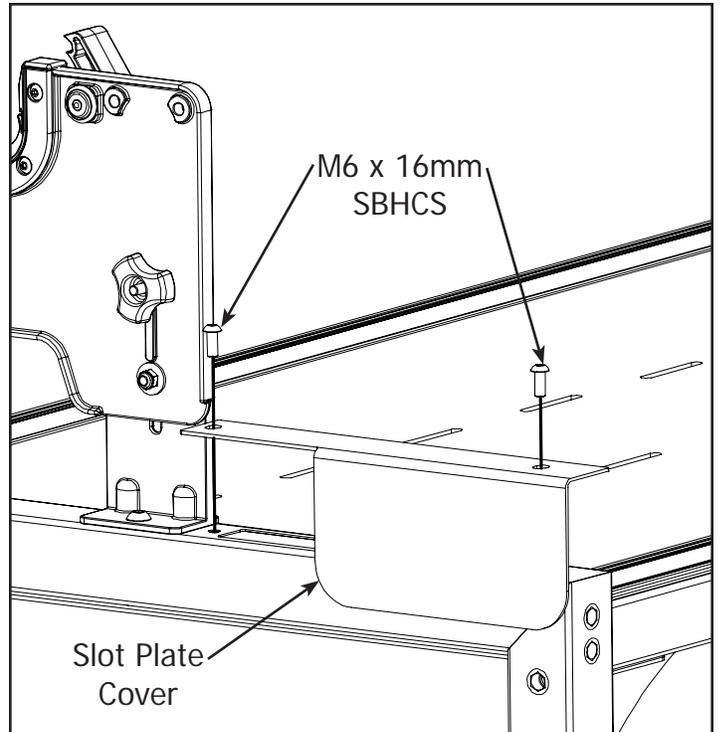


1-1 Remove the Hand Wheel Rail Assembly.



1-2 Remove your Sewing Machine from the Bottom Carriage.

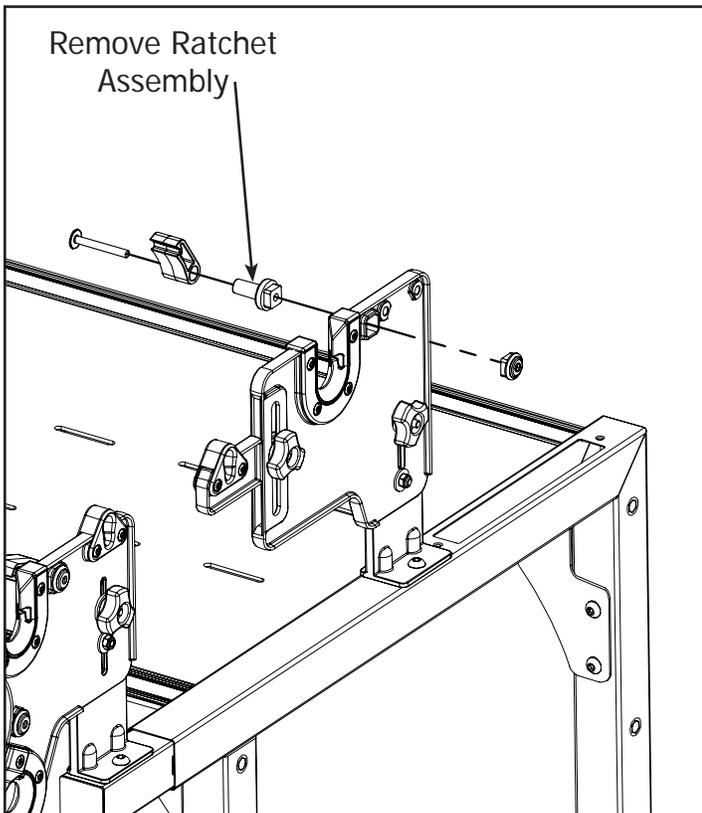
**Note:** Be sure to unplug all cords first.



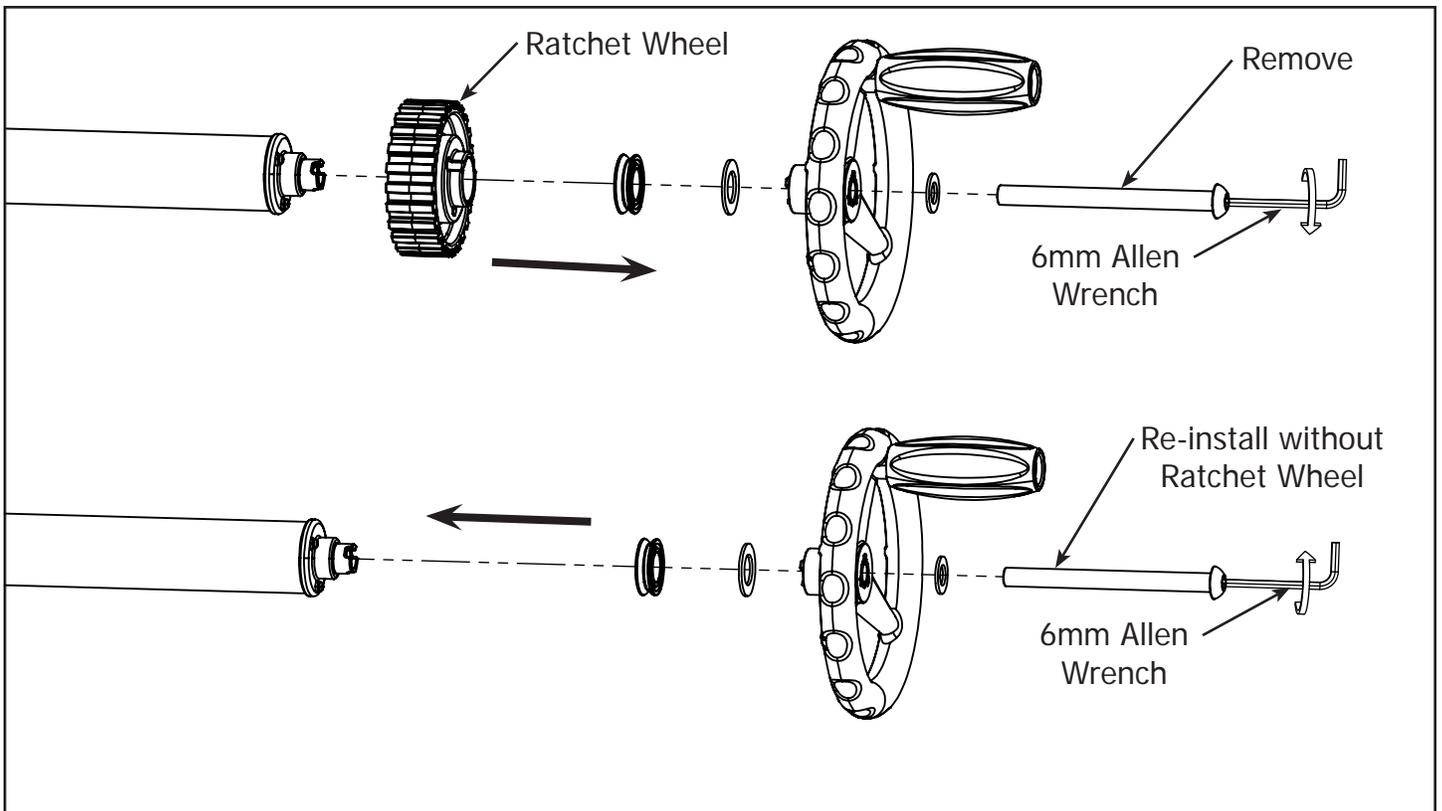
1-3 Remove the Slot Plate Covers from the right and left side by removing the (2) M6 x 16mm SBHCS from each side using the 4mm Allen Wrench.

**Note:** Set M6 x 16mm SBHCS to the side for use in Step 4.

# Preparation



1-4 Remove the Ratchet Stop Assembly from the Ratchet Back Rail Support using the 4mm Allen Wrench.

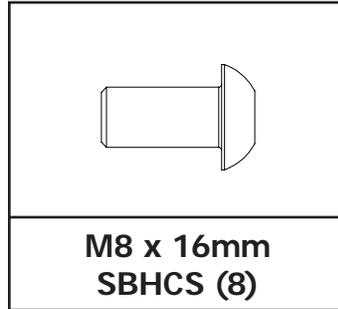
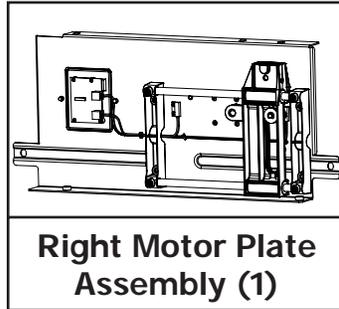
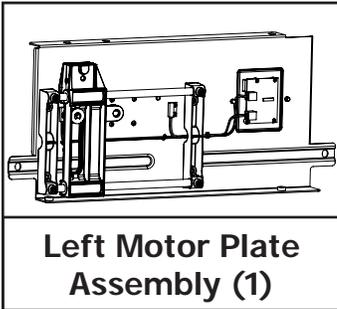


1-5 Remove the Hand Wheel Assembly using the 6mm Allen Wrench, then re-install without the Ratchet Wheel.

# Assembly

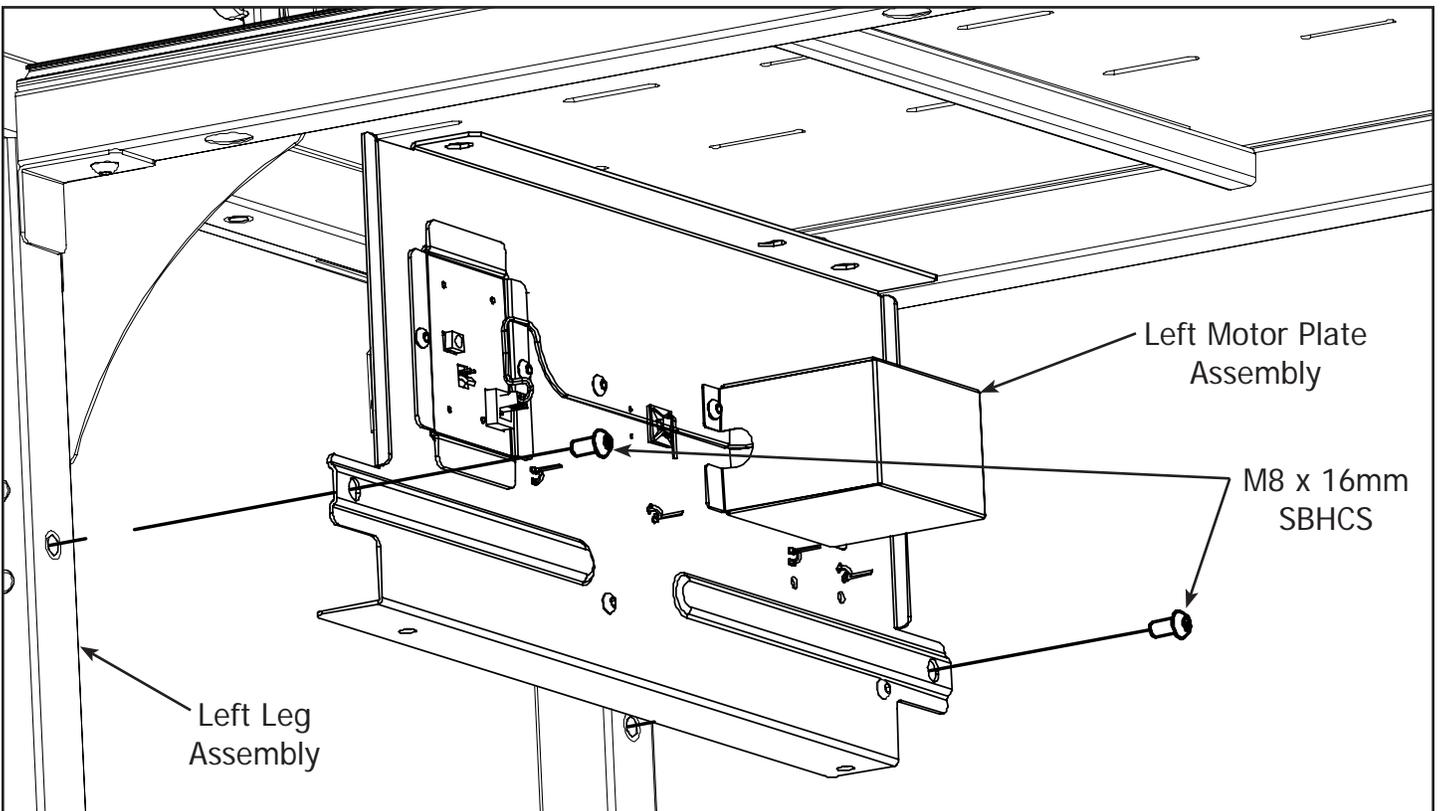
## Step 2 - Motor Plate Installation

Parts Needed:



Tools Needed:

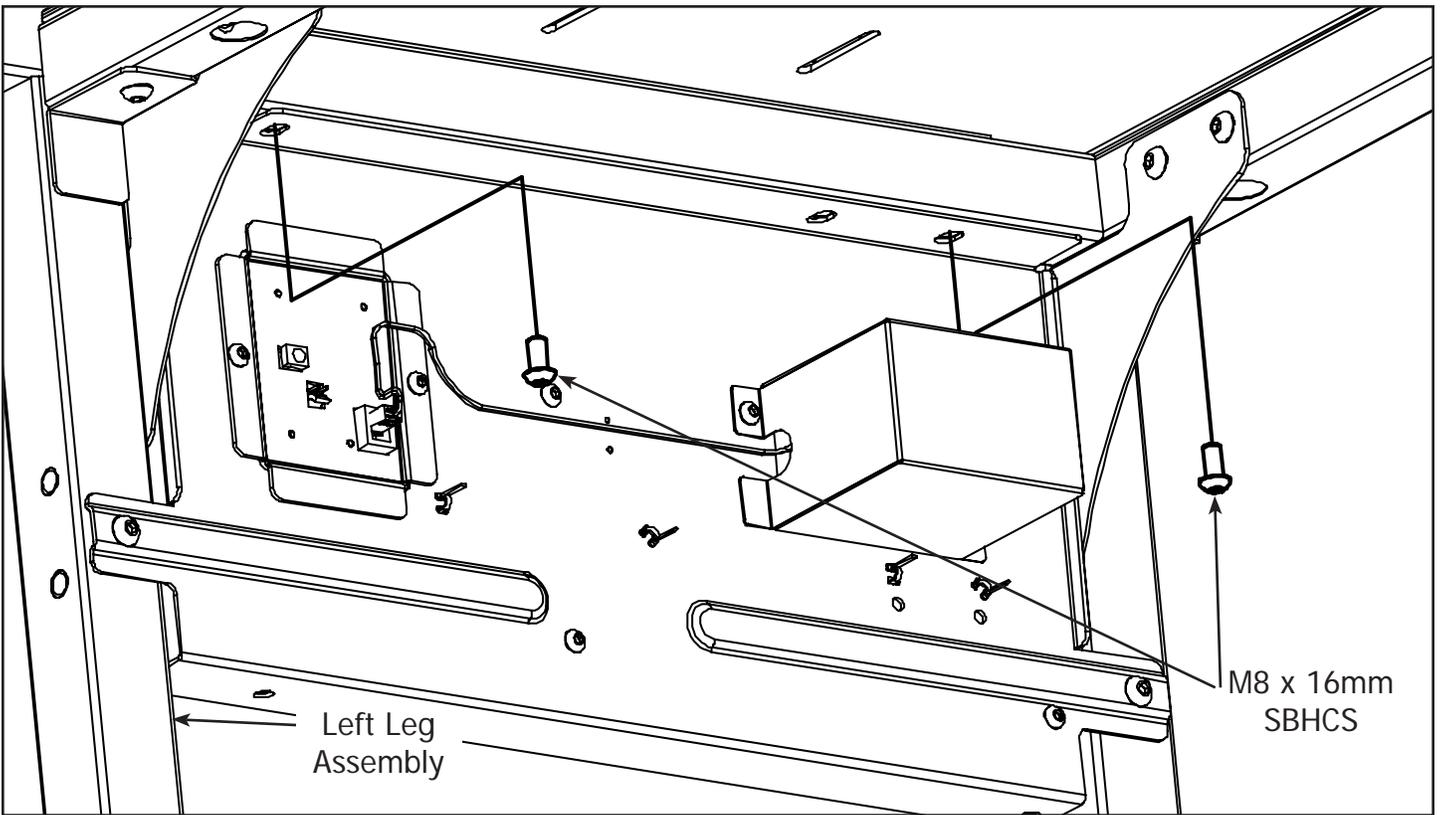
5mm Allen Wrench



2-1 Secure the Left Motor Plate Assembly to the Left Leg using (2) M8 x 16mm SBHCS.

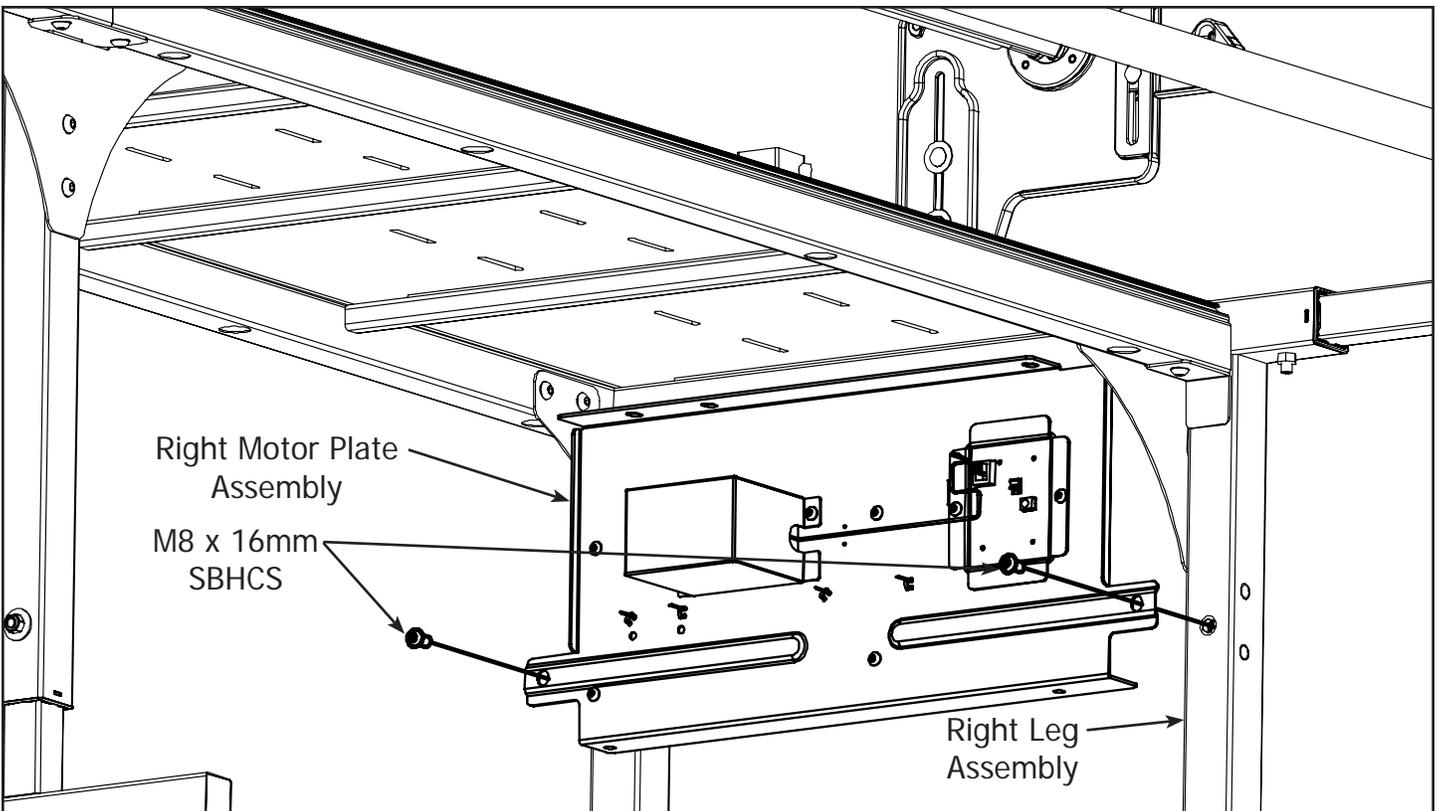
**Note:** Do not tighten screws at this time.

# Assembly



2-2 Secure the Left Motor Plate Assembly to the Left Leg using (2) M8 x 16mm SBHCS.

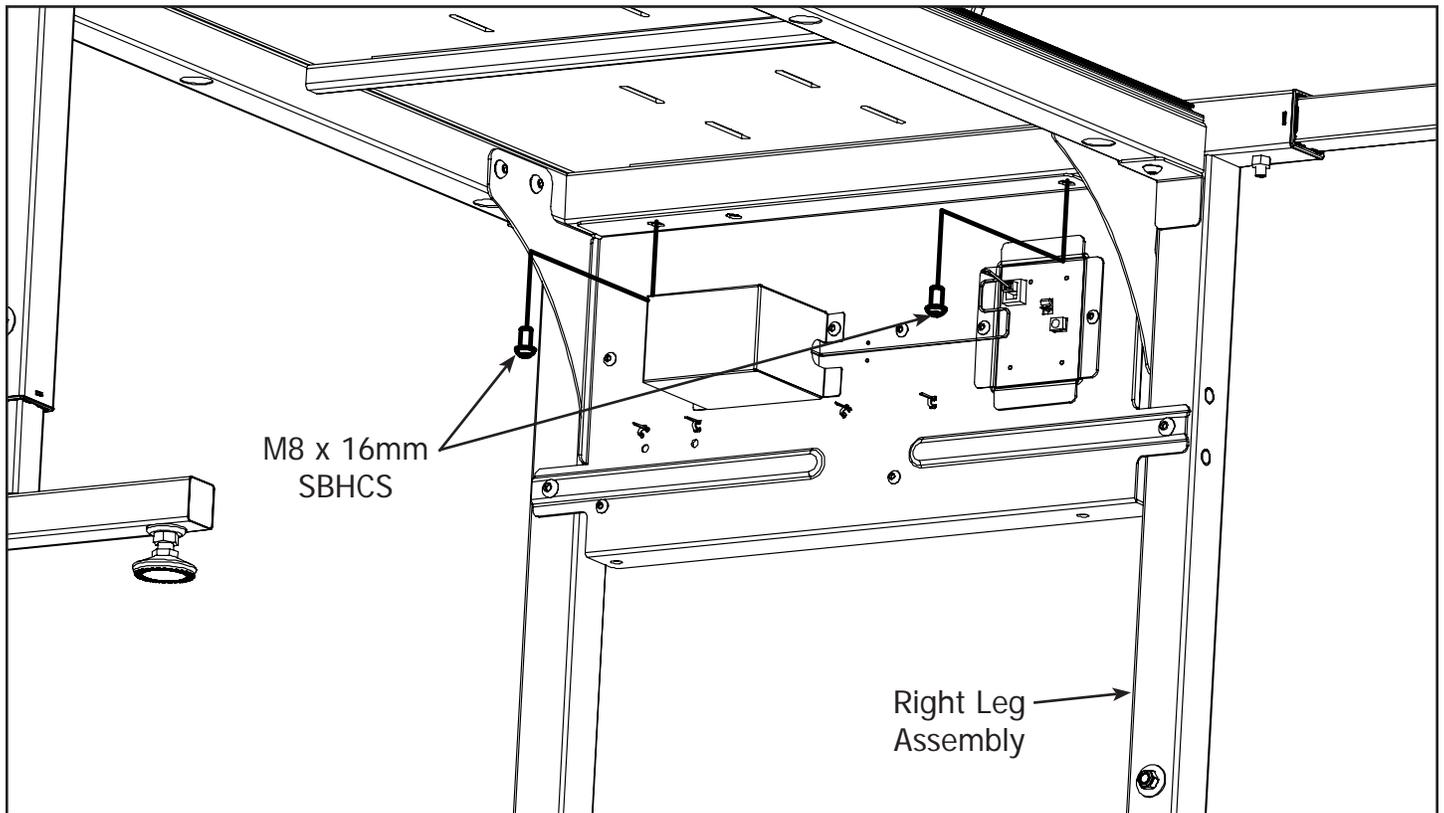
**Note:** Tighten all screws at this time.



2-3 Secure the Right Motor Plate Assembly to the Right Leg using (2) M8 x 16mm SBHCS.

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

# Assembly



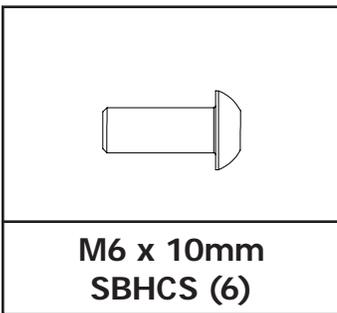
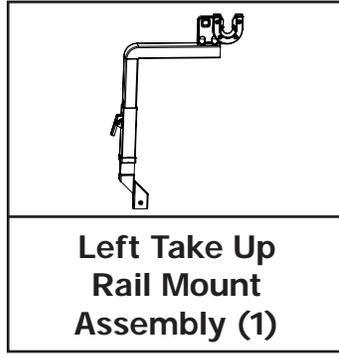
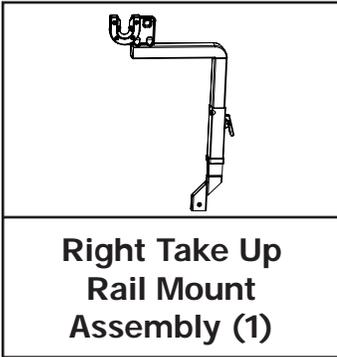
2-4 Secure the Right Motor Plate Assembly to the Right Leg using (2) M8 x 16mm SBHCS.

**Note:** Tighten all screws at this time.

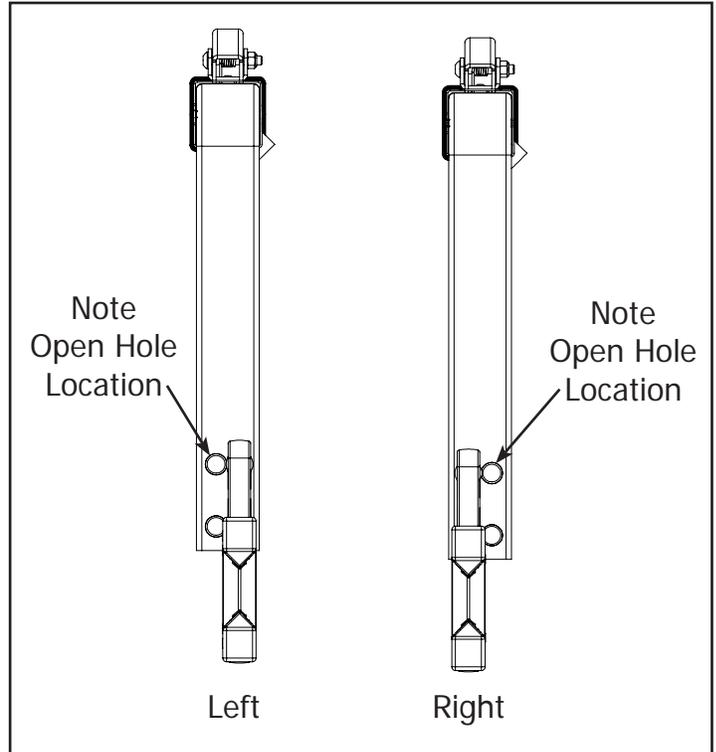
# Assembly

## Step 3 - Take Up Rail Mount Installation

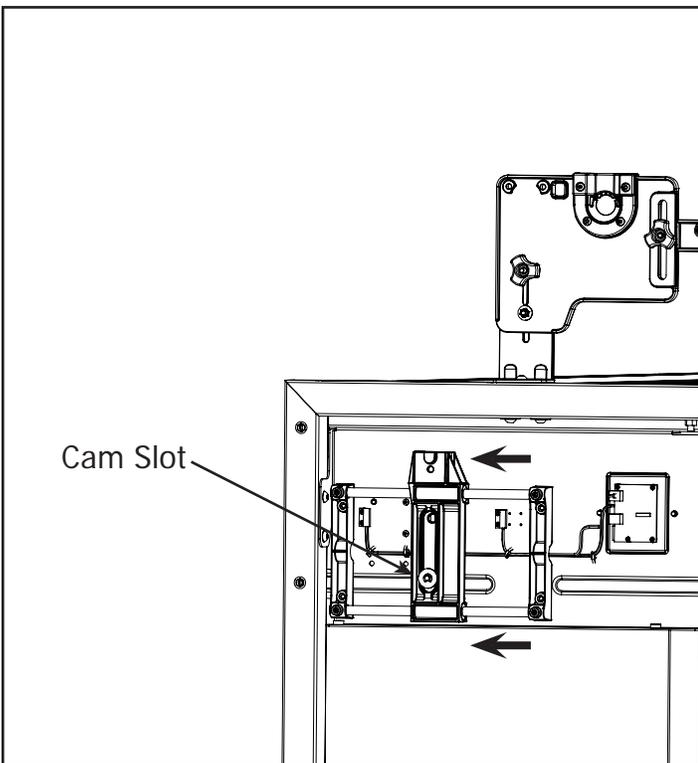
Parts Needed:



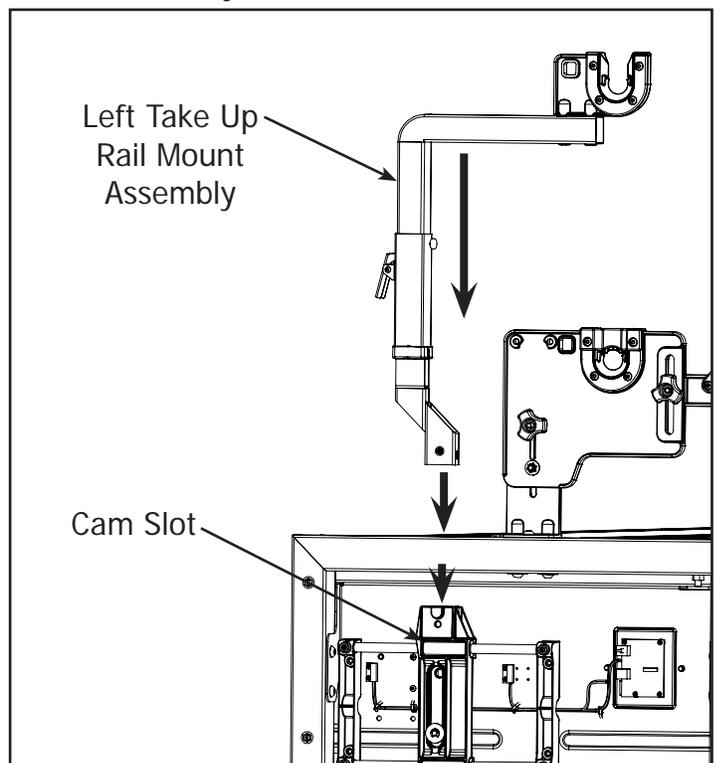
Tools Needed:  
4mm Allen Wrench



3-1 Identify the difference between the Right Take Up Rail Mount Assembly and the Left Take Up Rail Mount Assembly.

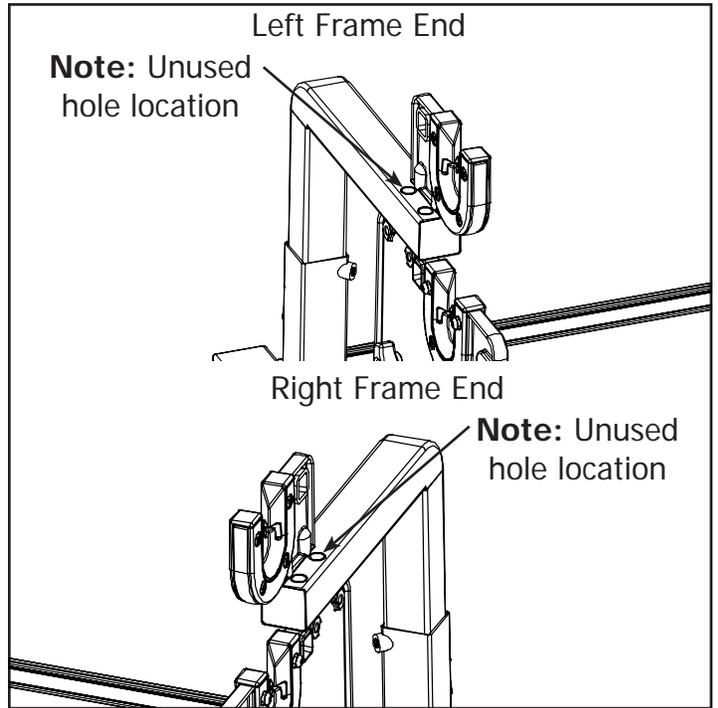
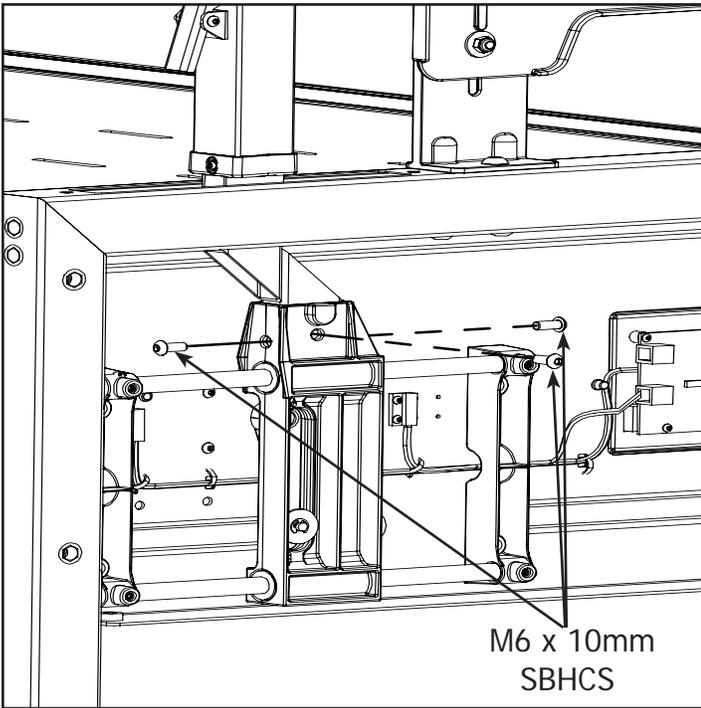


3-2 It may be required to move the Cam Slot towards the back of the frame to allow the Take Up Rail Mounts to insert as shown in Step 3-3.



3-3 Install the Left Take Up Rail Mount Assembly into the Cam Slot on the left Motor Plate Assembly. **Note:** Repeat for the opposite side.

# Assembly



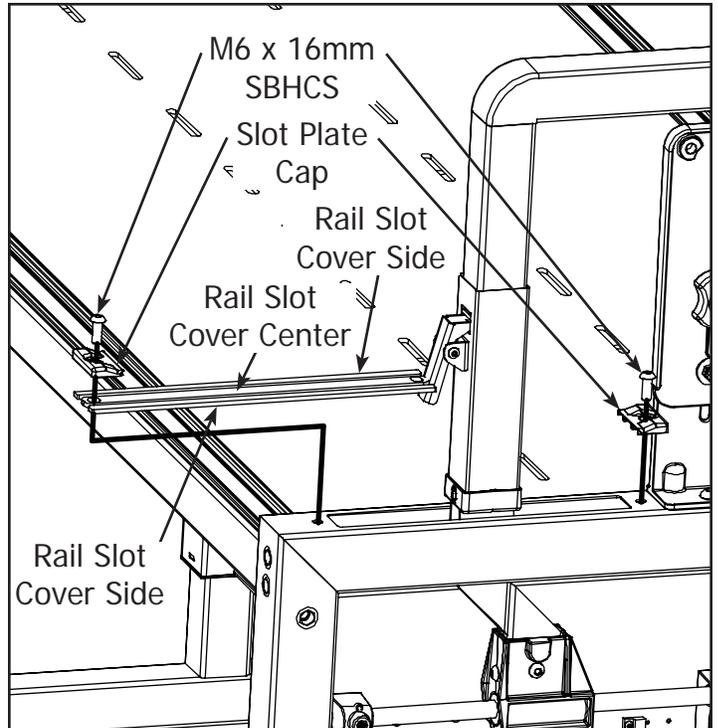
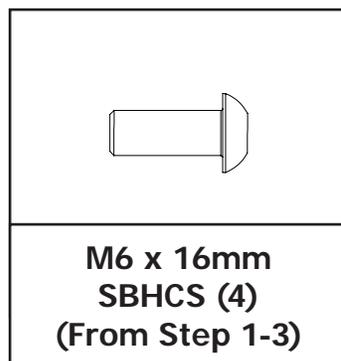
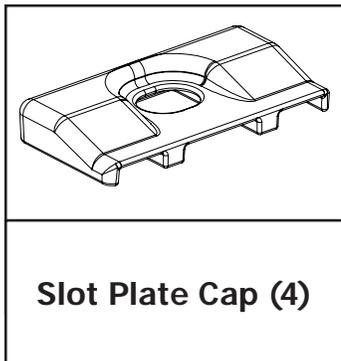
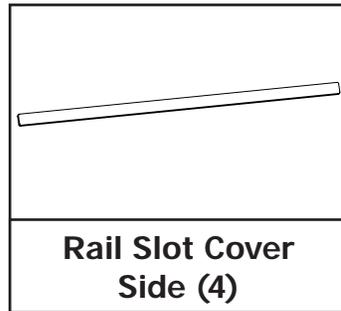
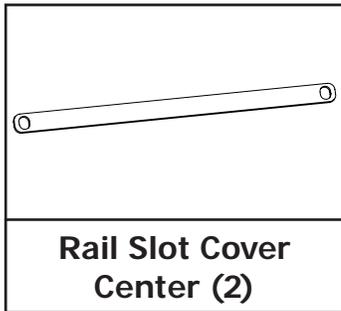
3-4 Secure the Take Up Rail Mount Assemblies into the Cam Slots using (3) M6 x 10mm SBHCS.

**Note:** Repeat for opposite side.

3-5 Unused holes in the Take Up Rail Mounts should be to the outside of the frame.

## Step 4 - Slot Cover Installation

Parts Needed:



Tools Needed:

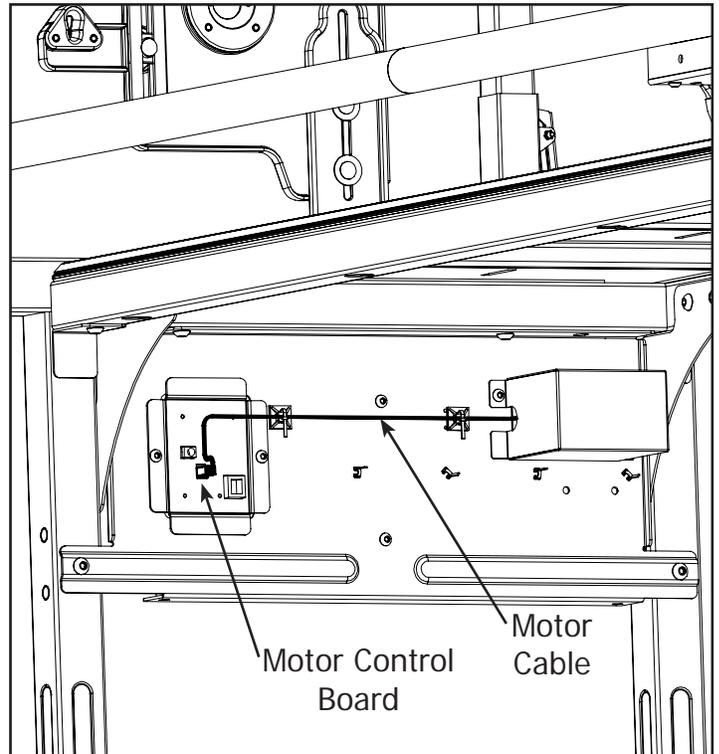
4mm Allen Wrench

4-1 Install the Rail Slot Covers and Slot Plate Caps using (2) M6 x 16mm SBHCS from Step 1-3.

**Note:** Do not tighten screws until step 12-7. Repeat for opposite side.

# Assembly

## Step 5 - Check Connections

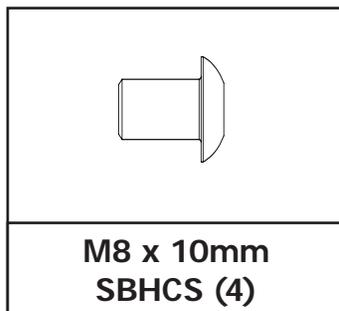
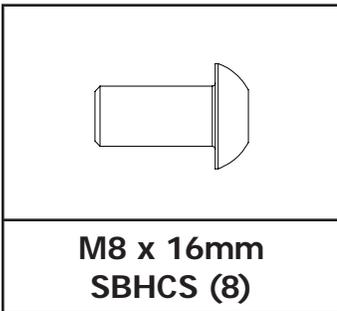
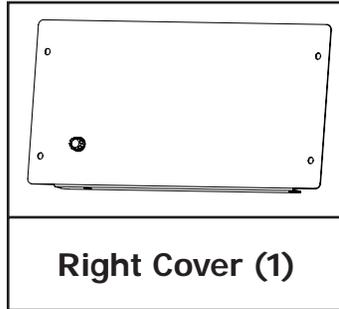
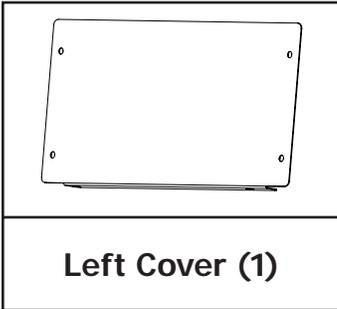


5-1 Plug in the Motor Cable to the correct port on the Motor Control Board for each side.

# Assembly

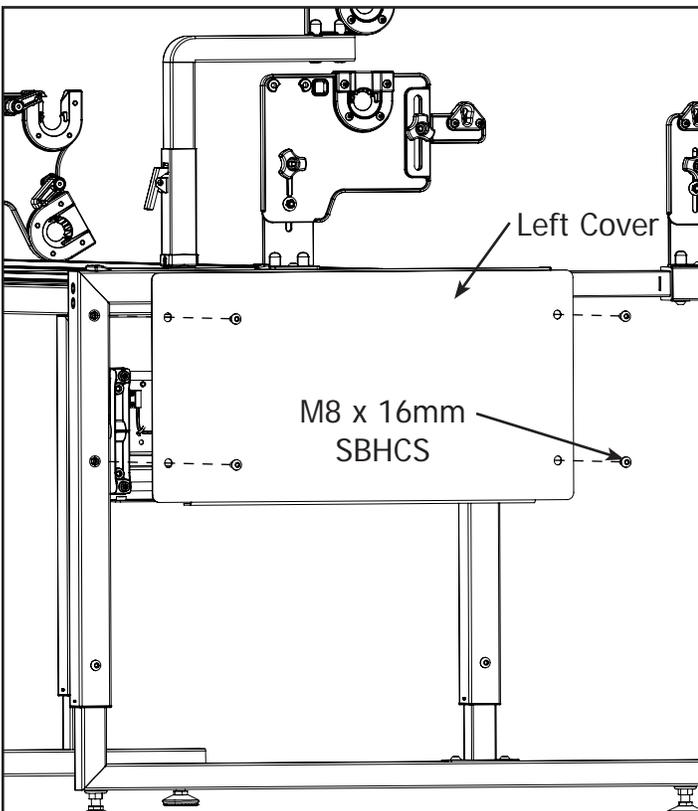
## Step 6 - Cover Installation

Parts Needed:



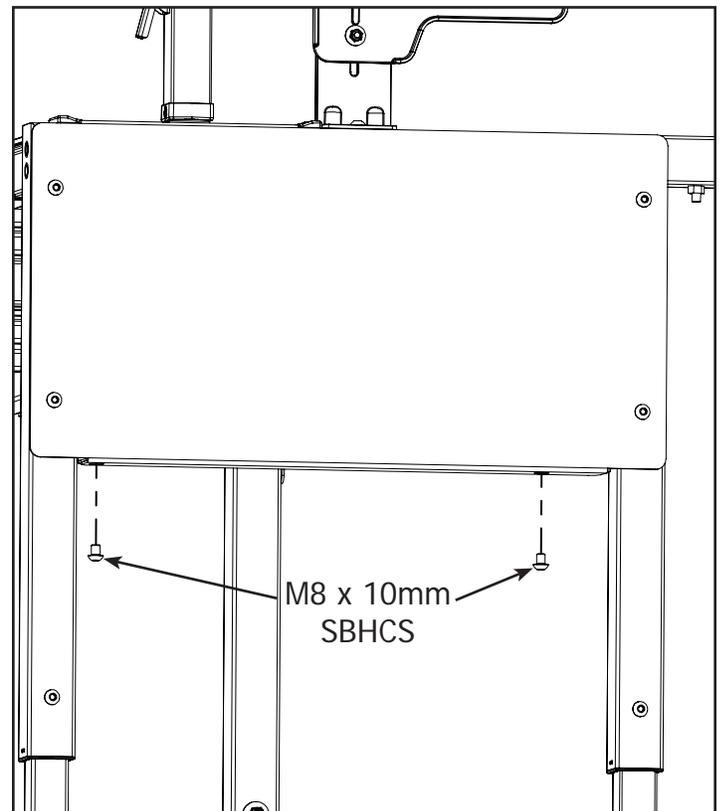
Tools Needed:

5mm Allen Wrench



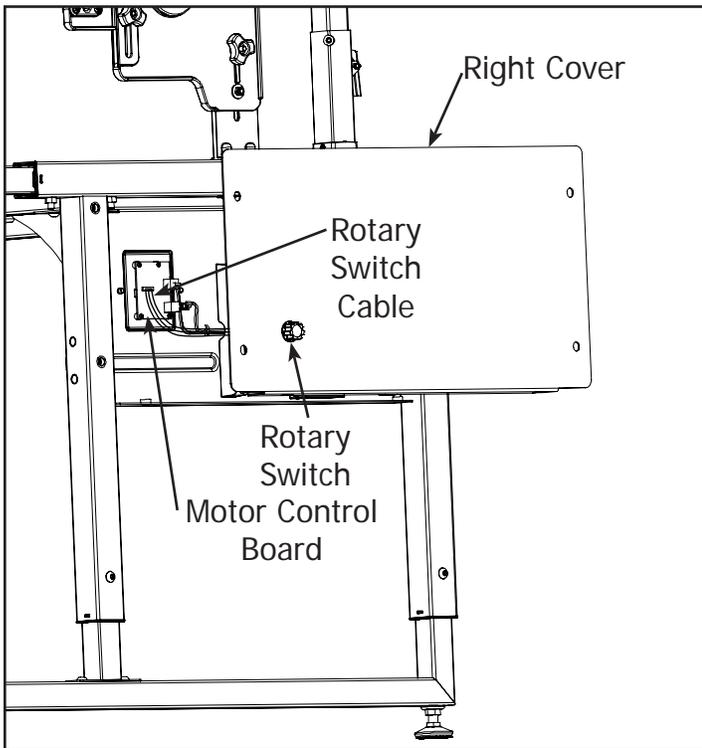
6-1 Install the Left Cover using (4) M8 x 16mm SBHCS.

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



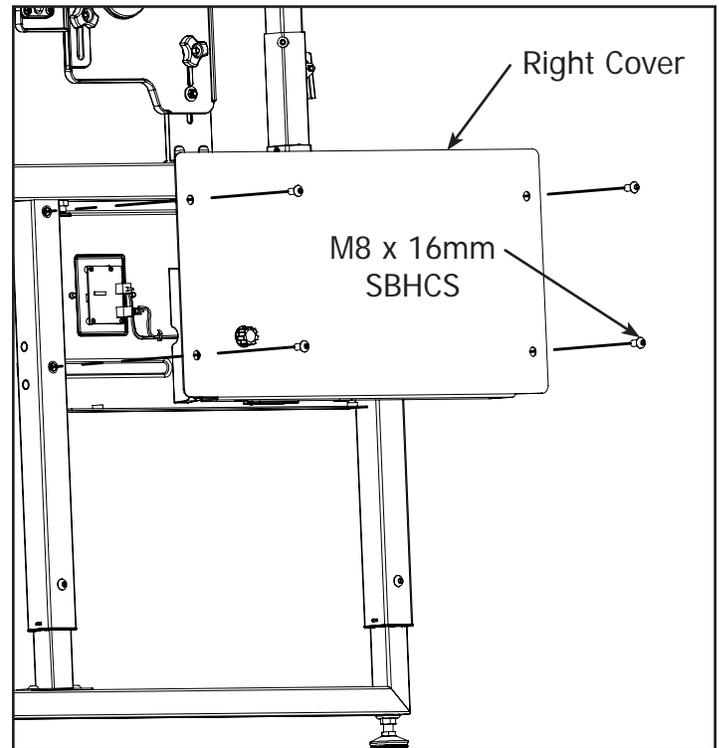
6-2 Install the (2) M8 x 10mm SBHCS and tighten all (6) screws.

# Assembly



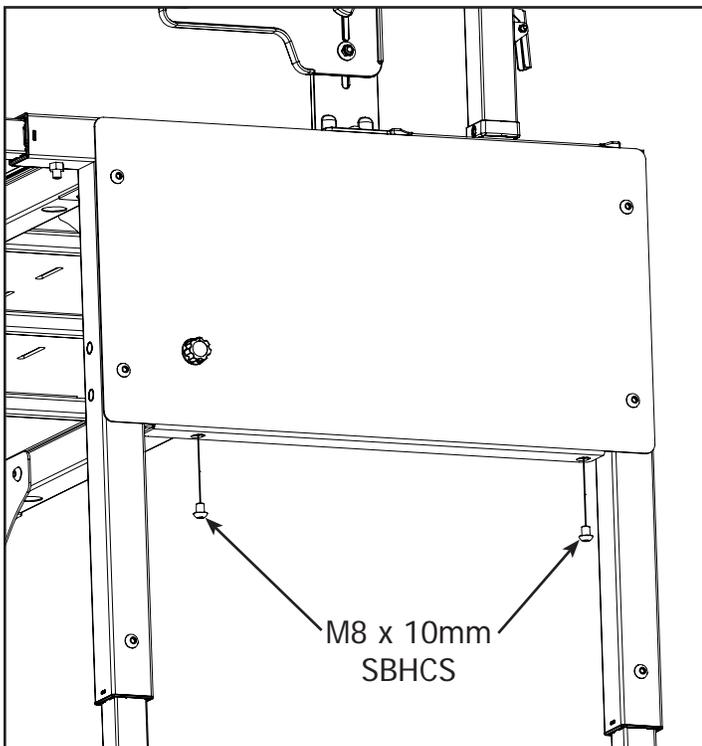
6-3 Plug the Rotary Switch into the Motor Control Board.

**Note:** Be sure to not pinch the Rotary Switch Cable when installing the Right Cover.



6-4 Install the Right Cover using (4) M8 x 16mm SBHCS.

**Note:** Be sure to not pinch the Rotary Switch Cable when installing the Right Cover. Do not tighten screws at this time.

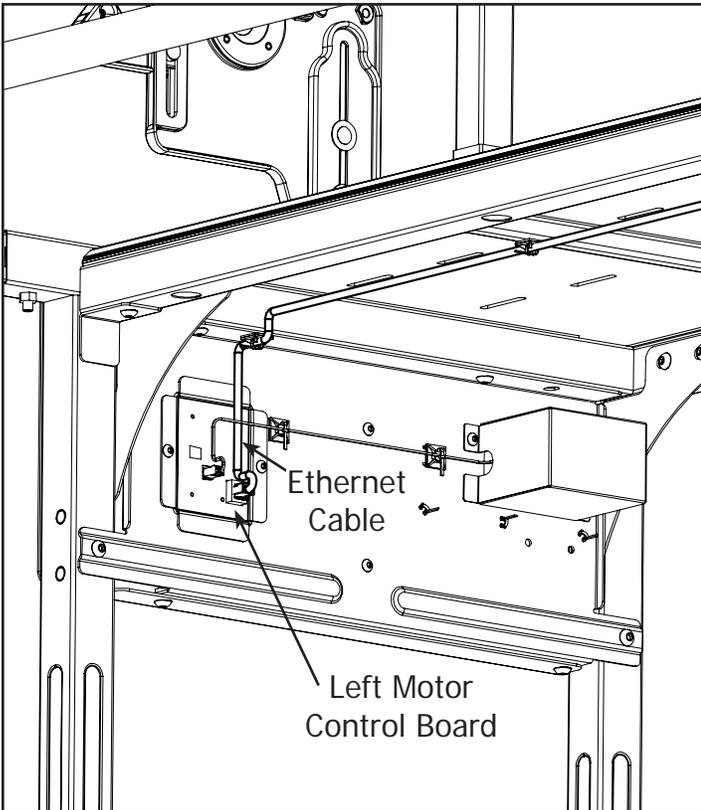
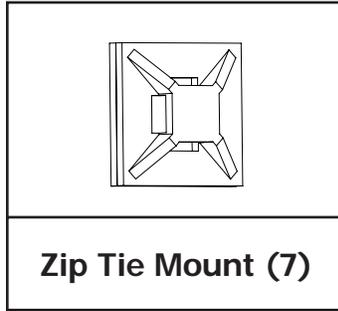
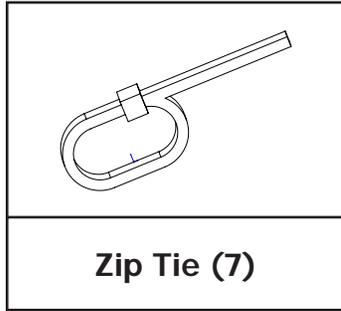
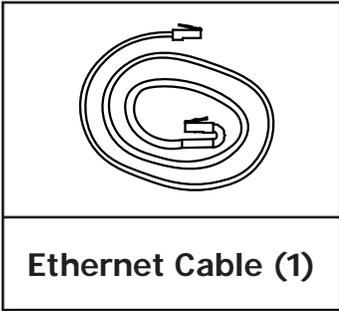


6-5 Install the (2) M8 x 10mm SBHCS and tighten all (6) screws.

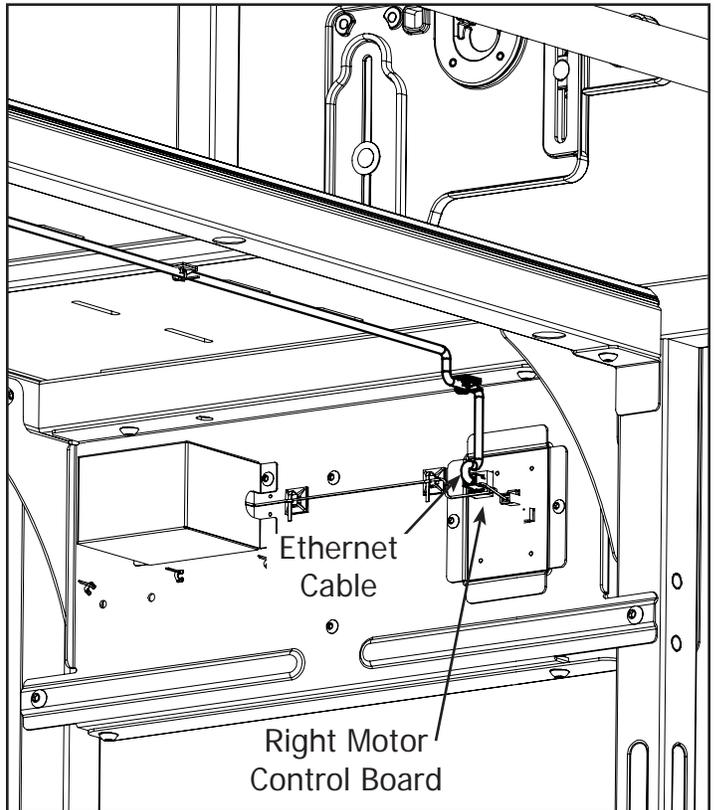
# Assembly

## Step 7 - Ethernet Cable Installation

Parts Needed:

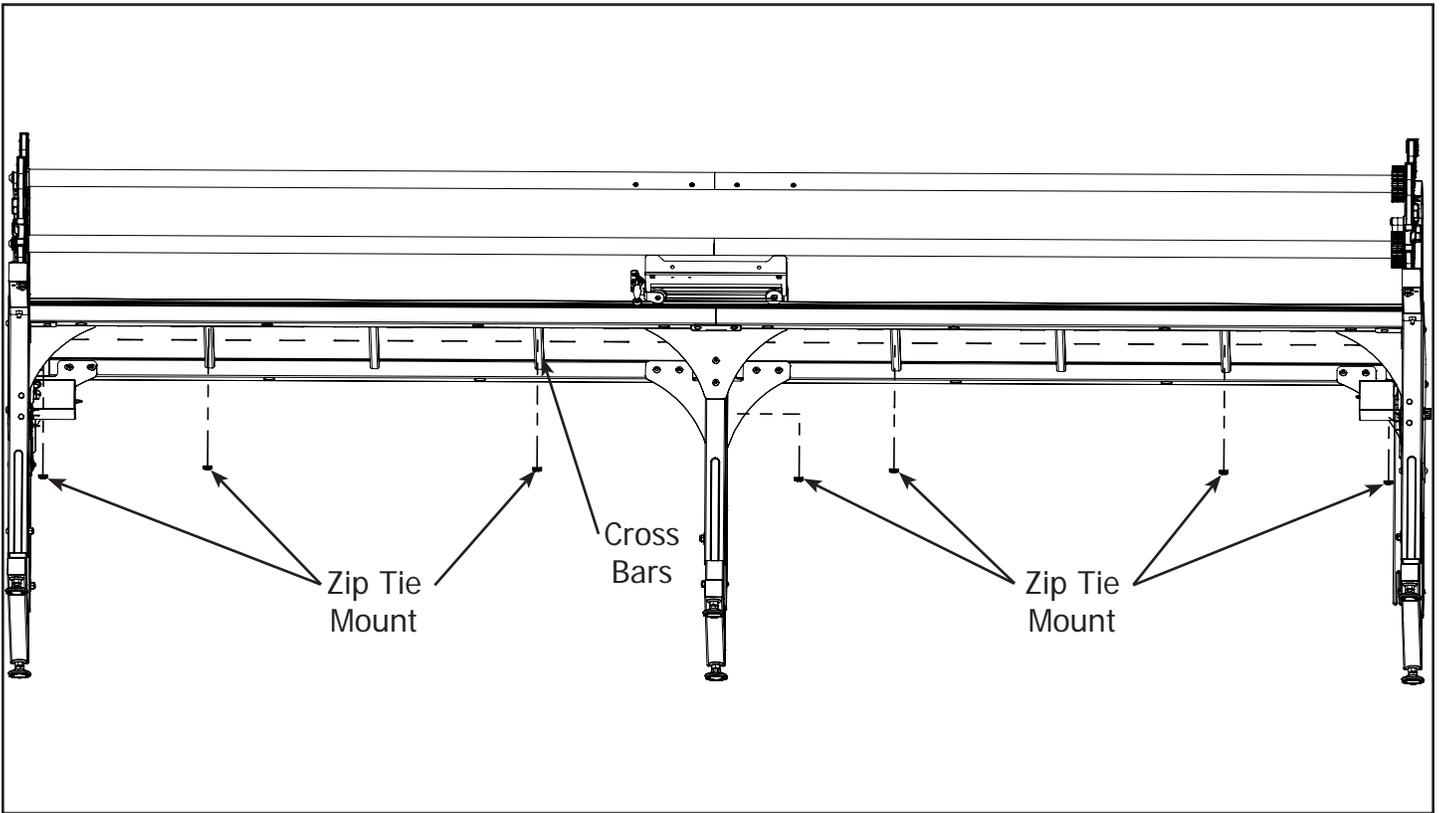


7-1 Connect the Ethernet Cable to the Left Motor Control Board.

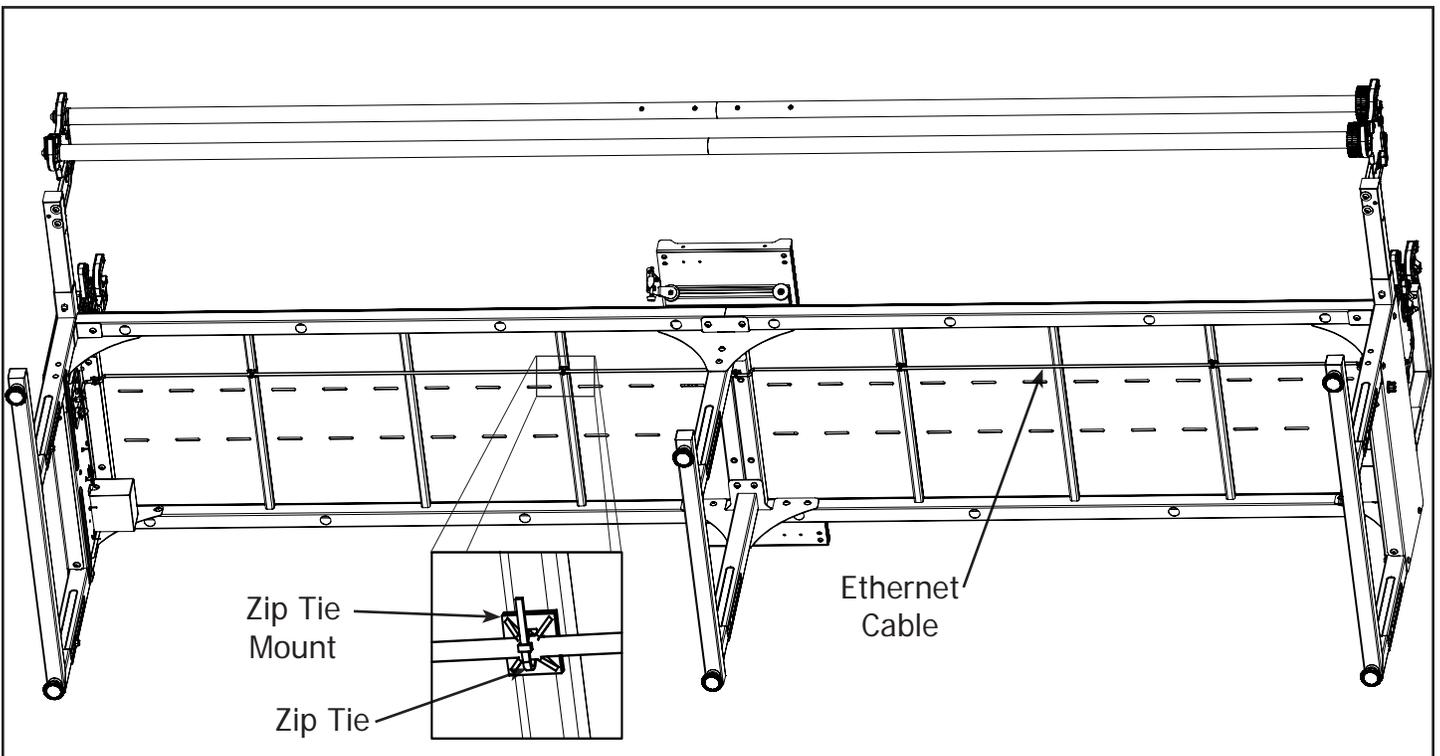


7-2 Connect the Ethernet Cable to the Right Motor Control Board.

# Assembly



7-3 Secure (7) Zip Tie Mounts to the bottom of the frame by removing the paper from the double faced tape and sticking them to the cross bars on the underside of the tables.



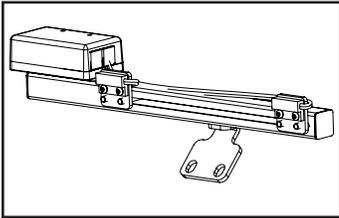
7-4 Insert the (7) Zip Ties into the Zip Tie Mounts and use them to secure the Ethernet Cable to the bottom of the table.

**Note:** Do not over tighten the zip ties. For excess Cable, loop and use additional Zip Ties and Zip Tie Mounts to secure to the underside of the Frame.

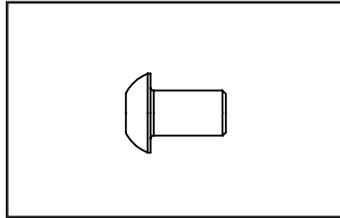
# Assembly

## Step 8 - Open Market Bracket Installation

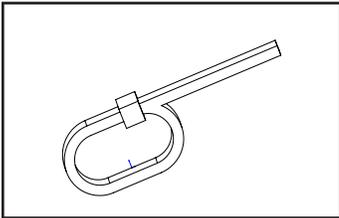
Parts Needed:



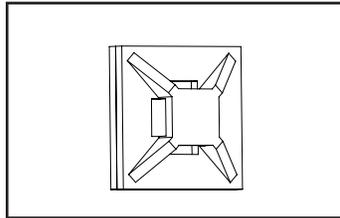
**Open Market  
Sensor Bracket (1)**



**M6 x 10mm  
SBHCS (2)**



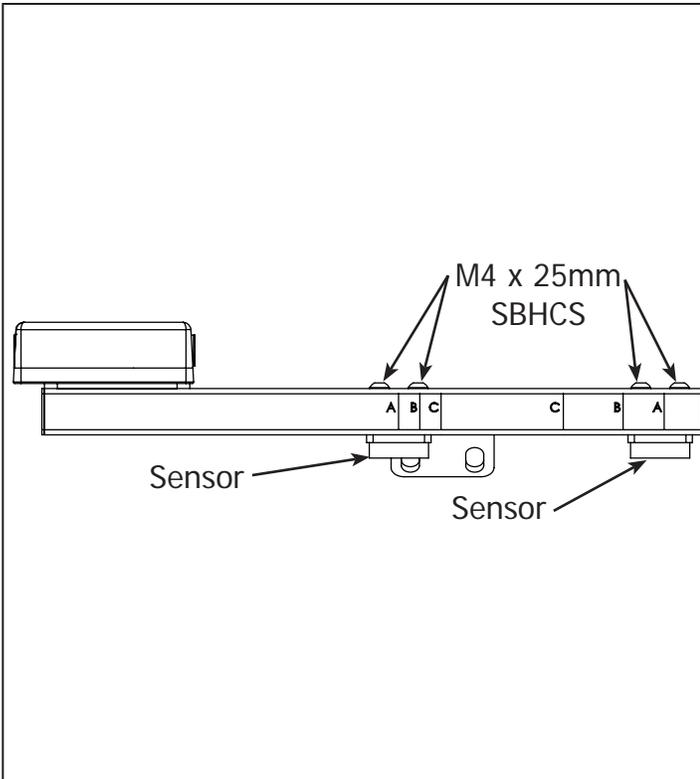
**Zip Tie (1)**



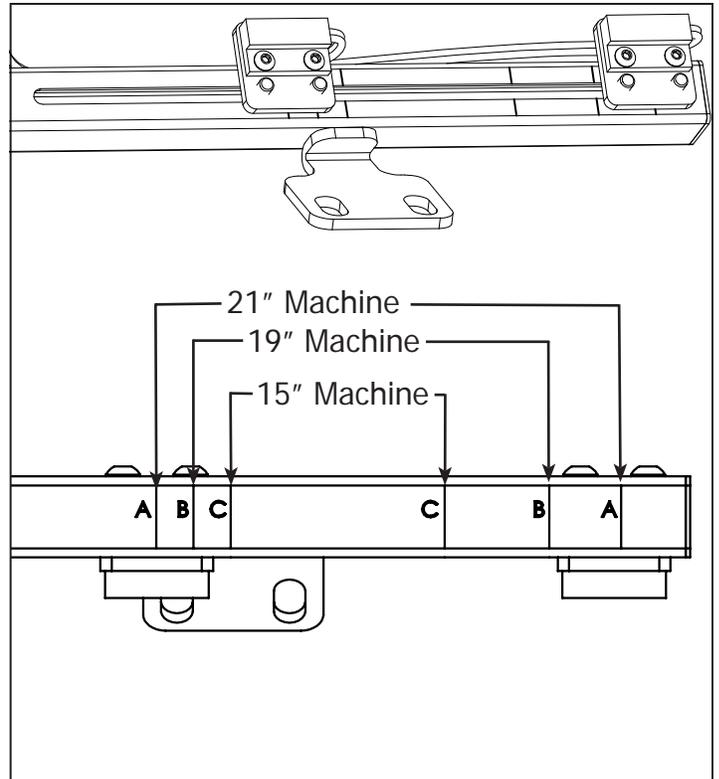
**Zip Tie Mount (1)**

Tools Needed:

**2.5mm Allen Wrench**

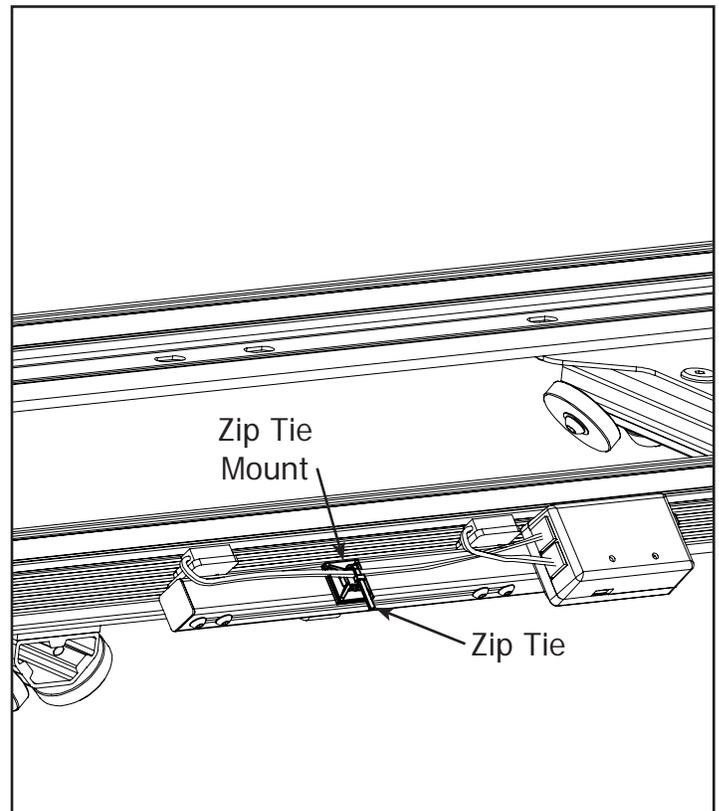
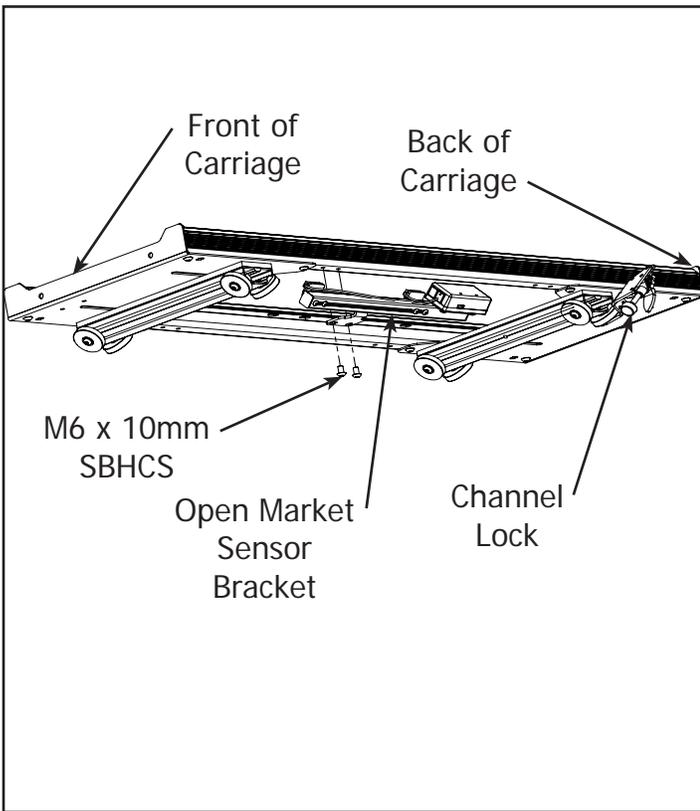


8-1 Loosen the M4 x 25mm SBHCS that secure the Sensors.



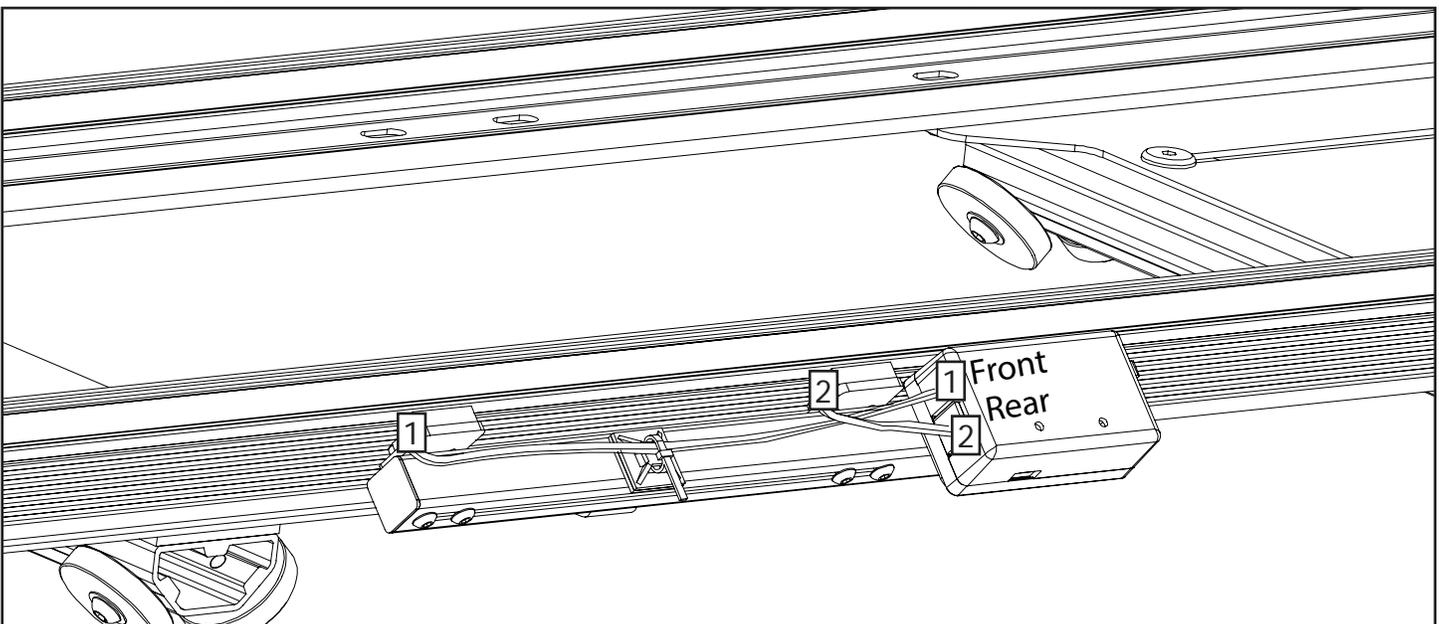
8-2 Adjust each Sensor to the proper setting for your machine with the Sensor centered on the correct indication line and tighten screws.

# Assembly



8-3 Install the Open Market Sensor Bracket onto the Bottom Carriage using (2) M6 x 10mm SBHCS. **Note:** Do not tighten screws at this time.

8-4 Verify the Sensor Cables are attached to the Open Market Sensor Bracket using (1) Zip Tie Mount and (1) Zip Tie.

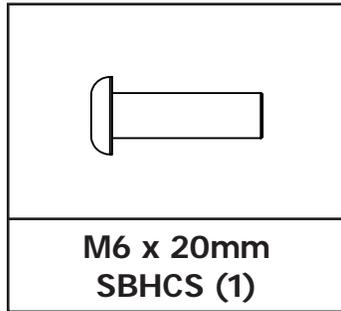
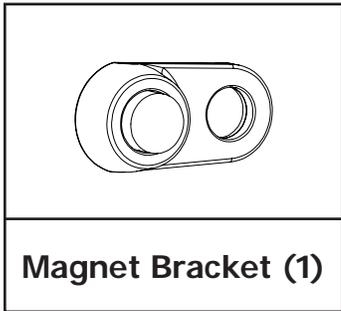


**Note:** Check that the sensors are plugged into the proper port.

# Assembly

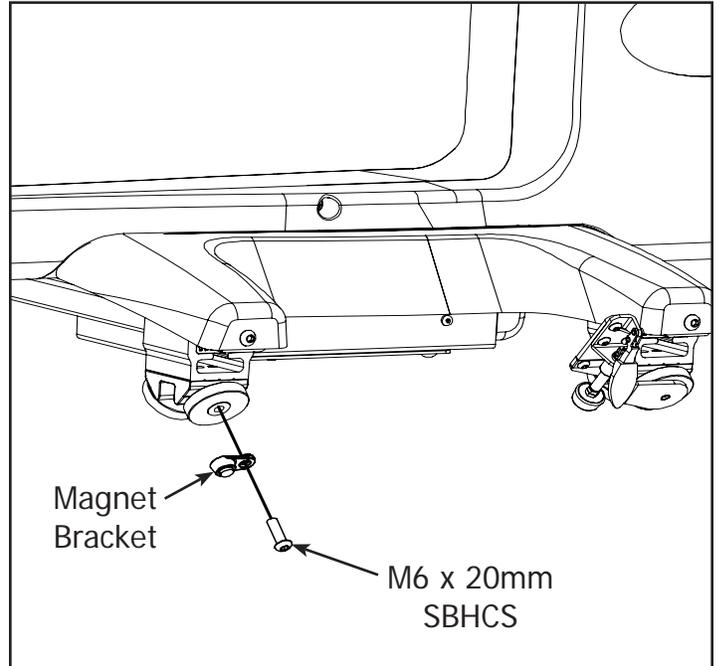
## Step 9 - Magnet Bracket Installation

Parts Needed:



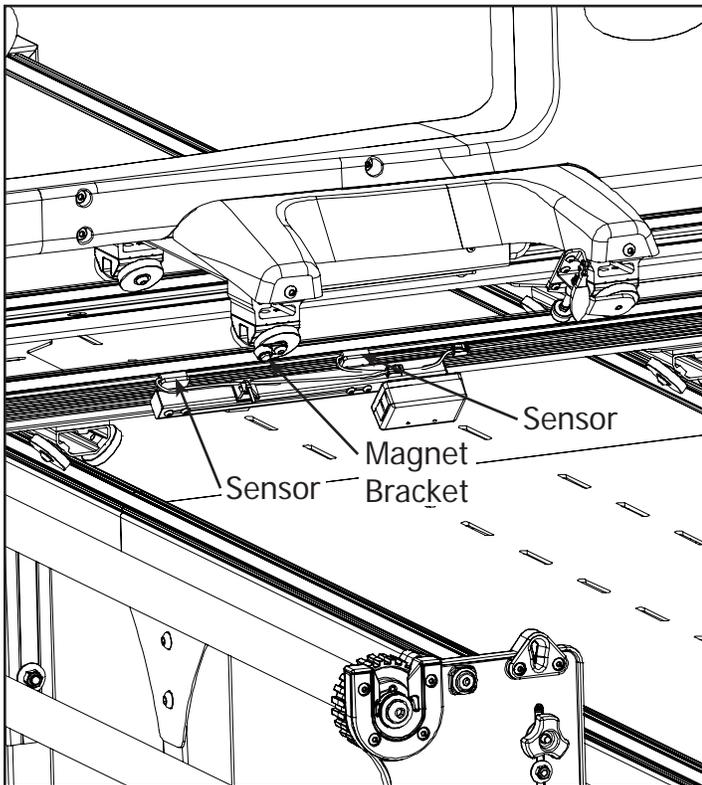
Tools Needed:

4mm Allen Wrench

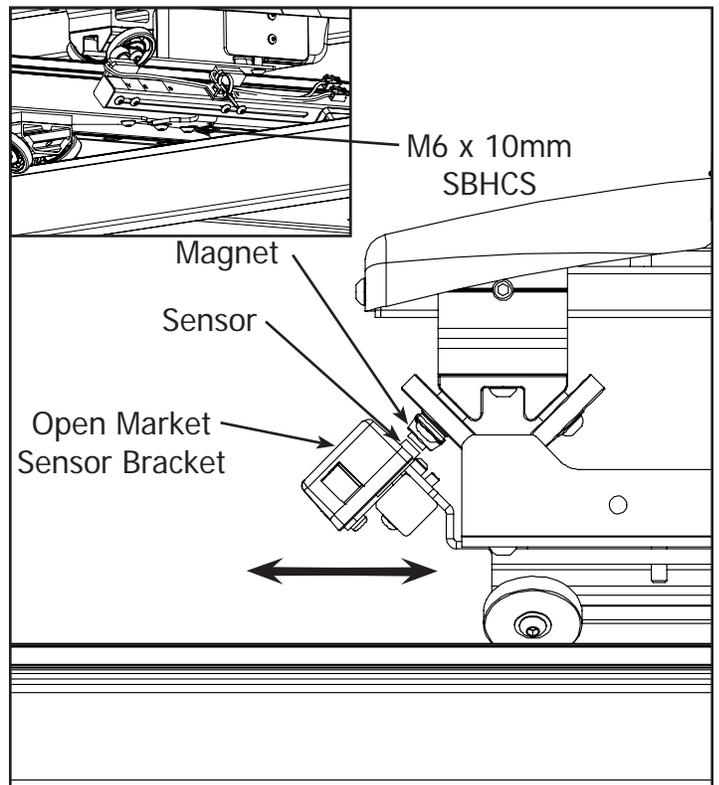


9-1 Install the Magnet Bracket onto the right front wheel of the sewing machine using (1) M6 x 20mm SBHCS.

**Note:** The Magnet Bracket should point to the front of the Sewing Machine.



9-2 Place your Sewing Machine on the bottom carriage with the Magnet Bracket located between the (2) Sensors.

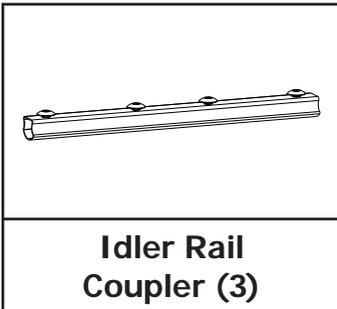
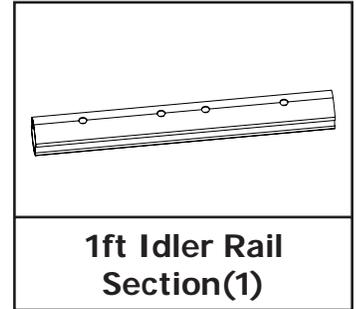
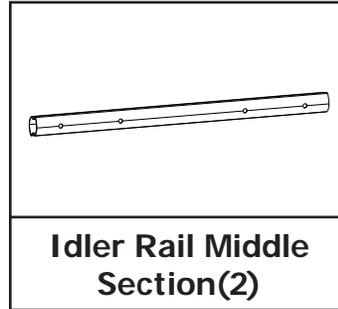
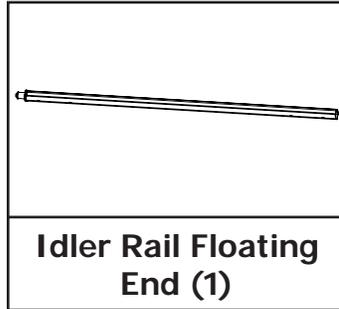
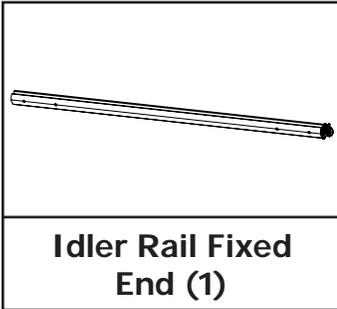


9-3 Adjust the Open Market Sensor Bracket so there is less than 1/4" between the Sensor and the Magnet. Tighten the (2) M6 x 10mm SBHCS on the Open Market Sensor Bracket.

# Assembly

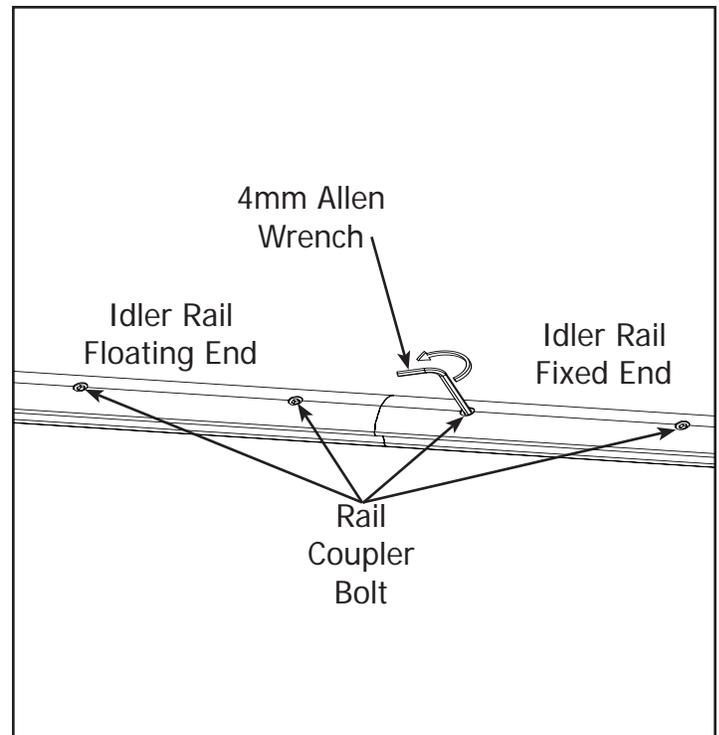
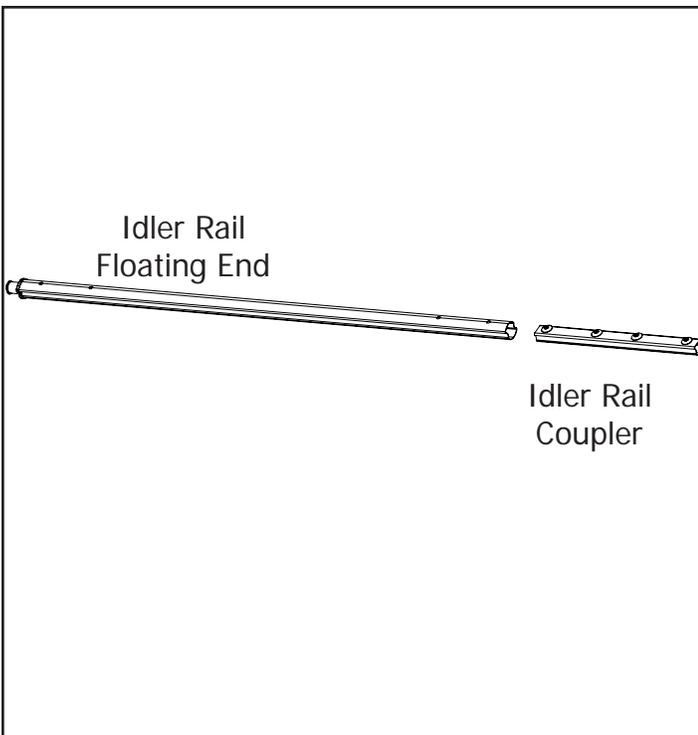
## Step 10 - Idler Rail Assembly

Parts Needed:



Tools Needed:

- 4mm Allen Wrench
- 6mm Allen Wrench

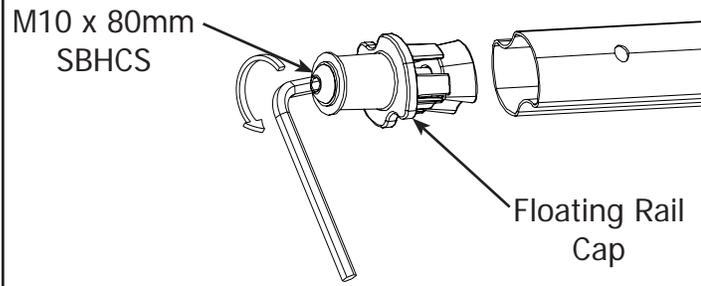


10-1 Slide the Idler Rail Coupler into the Idler Rail Floating End Section half way and align the screws with the holes in the Idler Rail Floating End Section. Secure Idler Rail Coupler by backing the screws out.

10-2 Slide the Idler Fixed End Section onto Idler Rail Coupler, tight against the appropriate Rail Section (see Step 10-3), and secure rail by backing screws out.

# Assembly

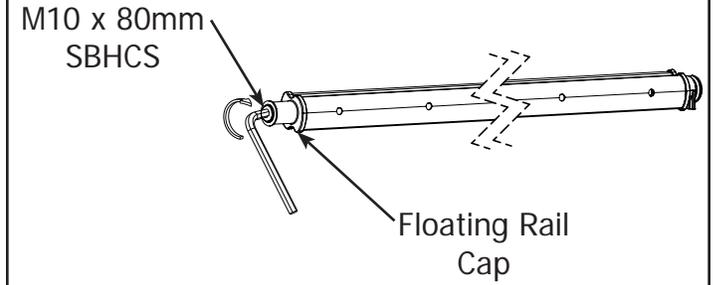
## Crib Assembly



10-1a Loosen the M10 x 80mm SBHCS to remove Floating Rail Cap from the Floating Rail Section.

**Note:** Tap screw in to release the rail cap.

## Crib Assembly

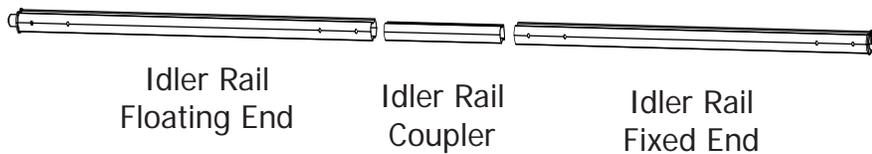


10-1b Insert the Floating Rail Cap into the Fixed Rail Section and tighten the M10 x 80mm SBHCS.

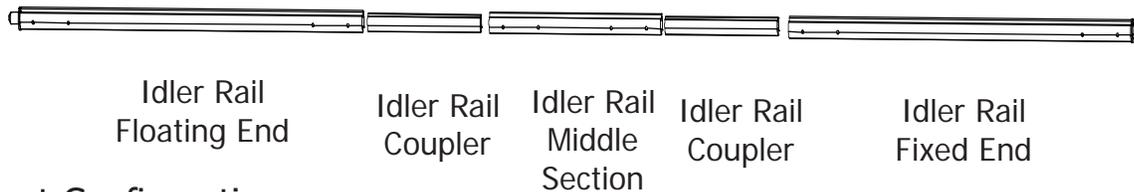
## 5 Foot Configuration



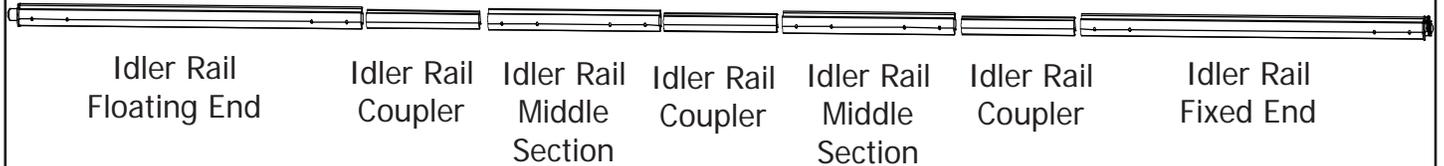
## 8 Foot Configuration



## 10 Foot Configuration



## 12 Foot Configuration



## 10-3 Idler Rail Configurations.

**Note:** Align holes and tighten on one side then repeat for other side.

Skip Step 12 for the 4 Foot Configuration.

For the 5 foot configuration only use the Floating Rail Cap, the 1ft Idler Rail Section, the 4ft Idler Rail Fixed End, and (1) Idler Rail Coupler.

For the 8 foot configuration only use the Idler Rail Fixed End, the Idler Rail Floating End, and (1) Idler Rail Coupler.

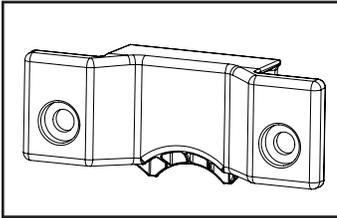
For the 10 foot configuration use the Idler Rail Fixed End, the Idler Rail Floating End, the Idler Rail Middle Section, and (2) Idler Rail Couplers.

For the 12 foot configuration use the Idler Rail Fixed End, the Idler Rail Floating End, (2) Idler Rail Middle Section, and (3) Idler Rail Couplers.

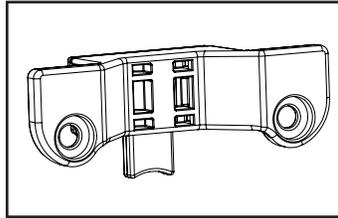
# Assembly

## Step 11 - Rail Installation

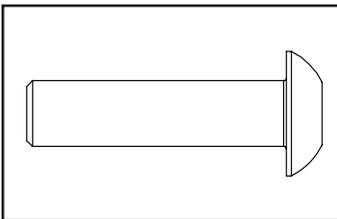
Parts Needed:



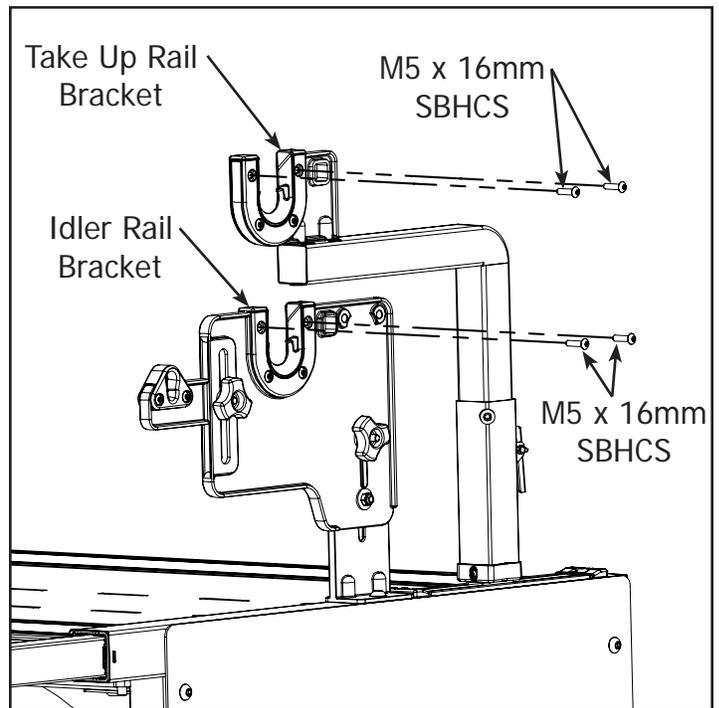
Rail Holder Cap (2)



Rail Tensioner Cap (1)



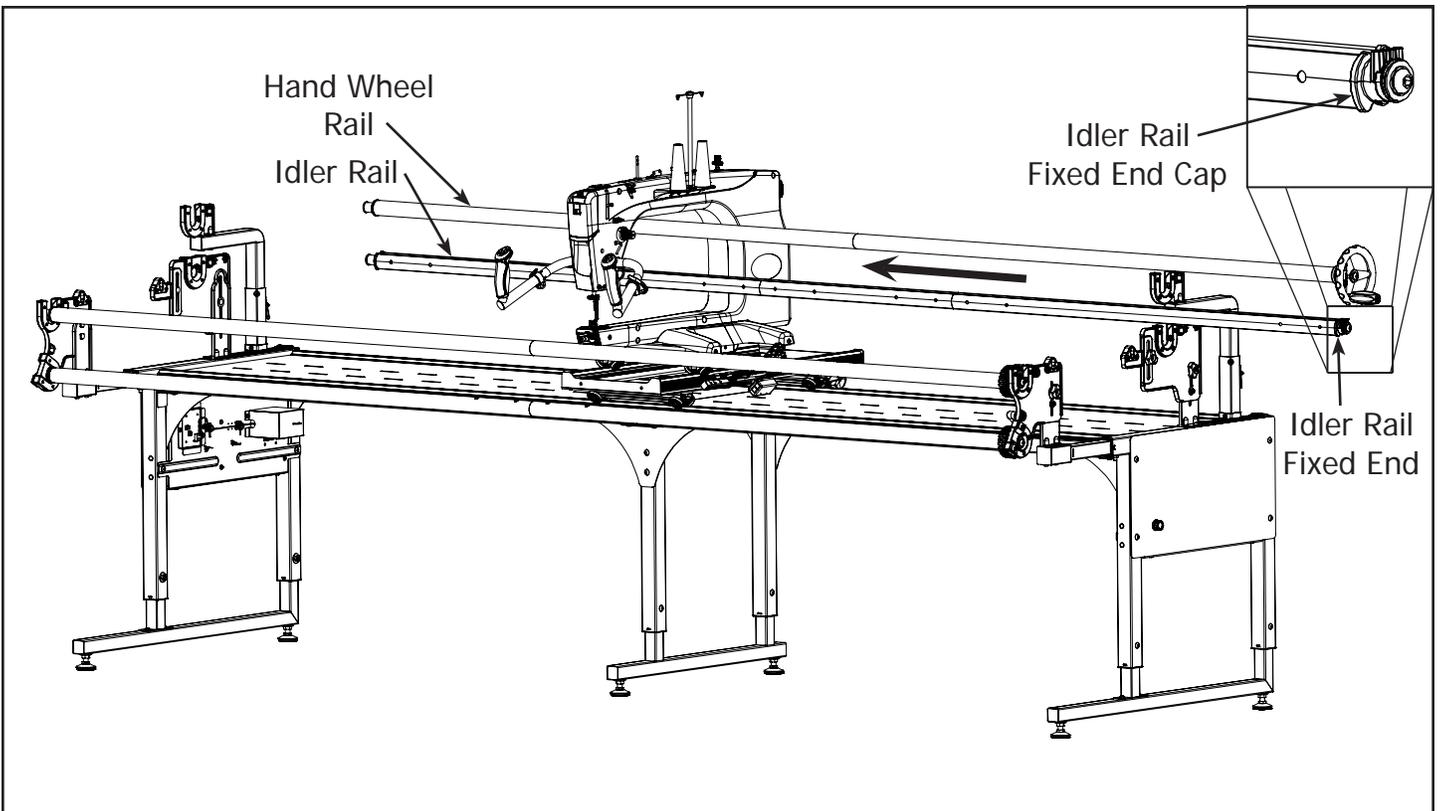
M5 x 20mm  
SBHCS (6)



11-1 Remove the (2) M5 x 16mm SBHCS from the top of the Right Take Up Rail Bracket and the Right and Left Idler Rail Bracket.

Tools Needed:

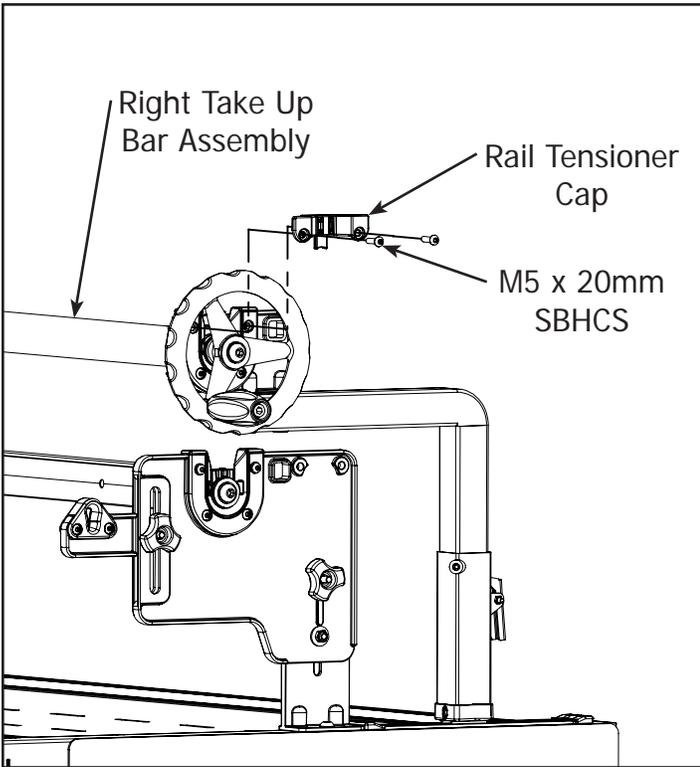
3mm Allen Wrench



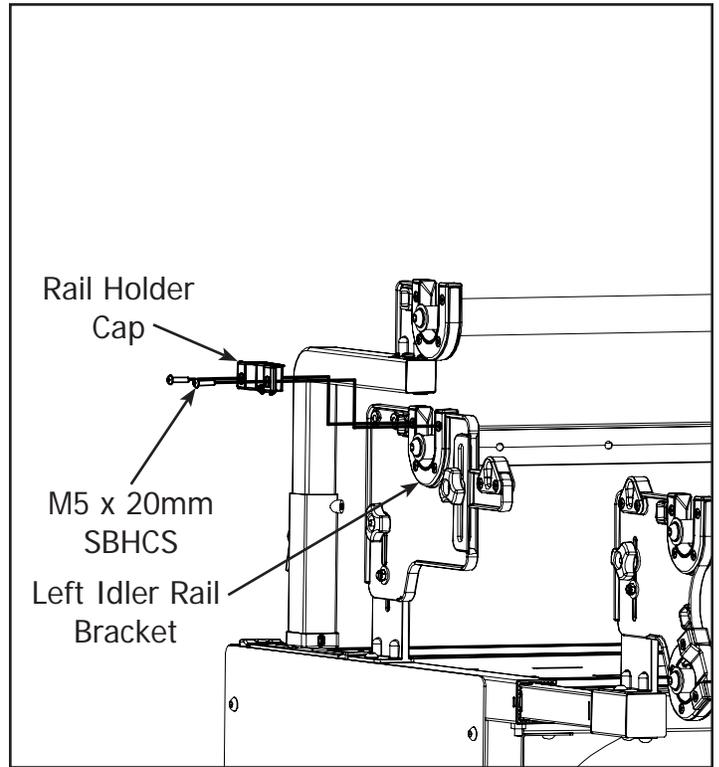
11-2 Install the Hand Wheel Rail and the Idler Rail by sliding through the throat of the Sewing Machine and inserting into the Rail Brackets.

**Note:** Make sure the Idler Rail Fixed End Cap is pointed up.

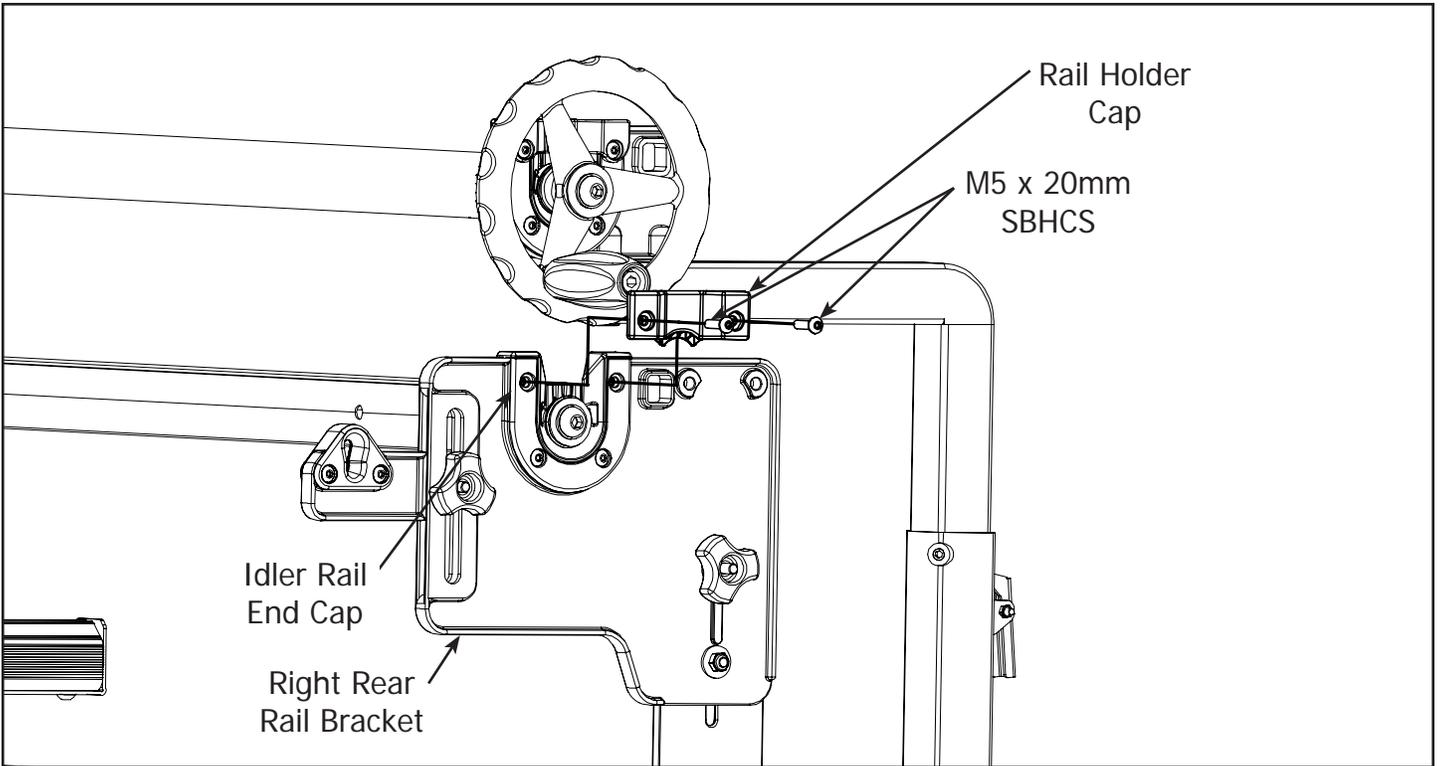
# Assembly



11-3 Install the Rail Tensioner Cap onto the Right Take Up Bar Assembly using (2) M5 x 20mm SBHCS. You will have to push down on the Rail Tensioner Cap to insert the (2) M5 x 20mm SBHCS.



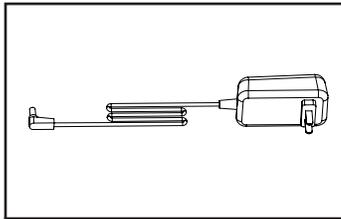
11-4 Install the Rail Holder Cap onto the Left Idler Rail Bracket using (2) M5 x 20mm SBHCS.



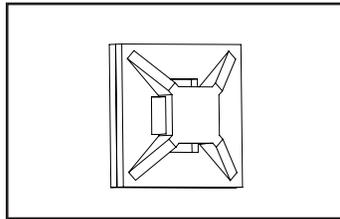
11-5 Install the Rail Holder Cap onto the Right Rear Rail Bracket using (2) M5 x 20mm SBHCS. **Note:** Make sure the the Idler Rail End Cap inserts into the Rail Holder Cap.

# Setup

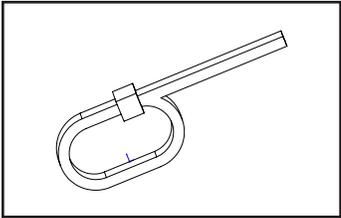
## Step 12 - Adjustments



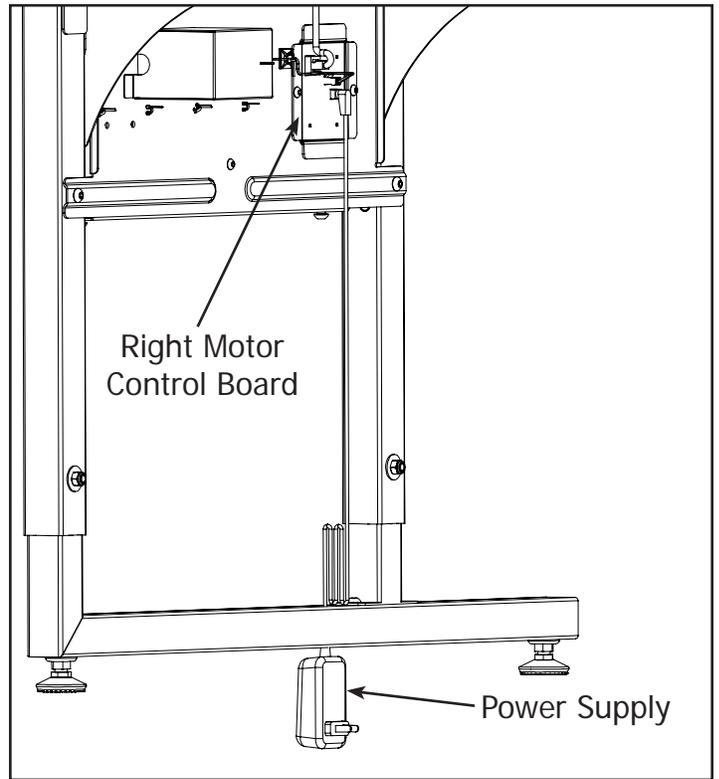
Power Supply (2)



Zip Tie Mount (1)



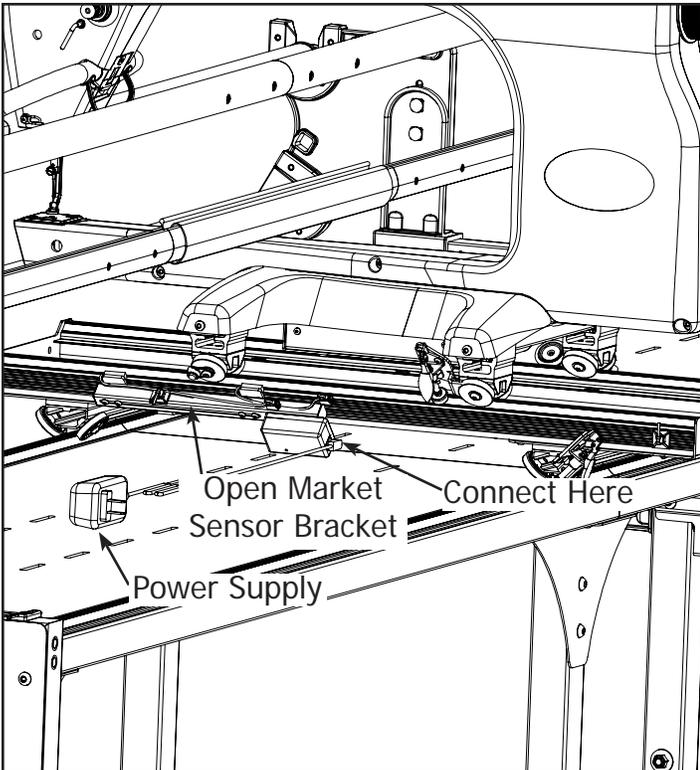
Zip Tie (1)



12-1 Plug the Power Supply into the back of the Right Motor Plate Assembly.

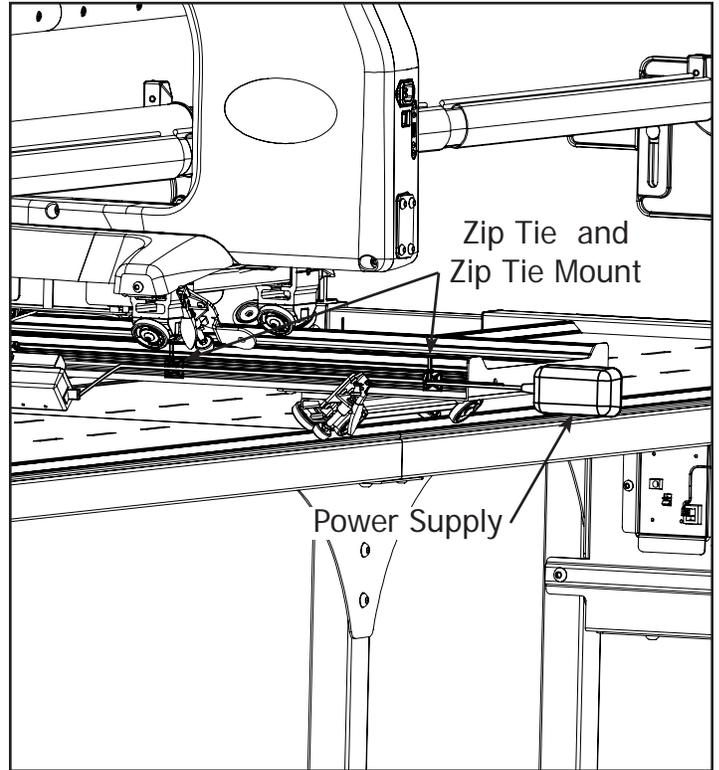
### Tools Needed:

4mm Allen Wrench



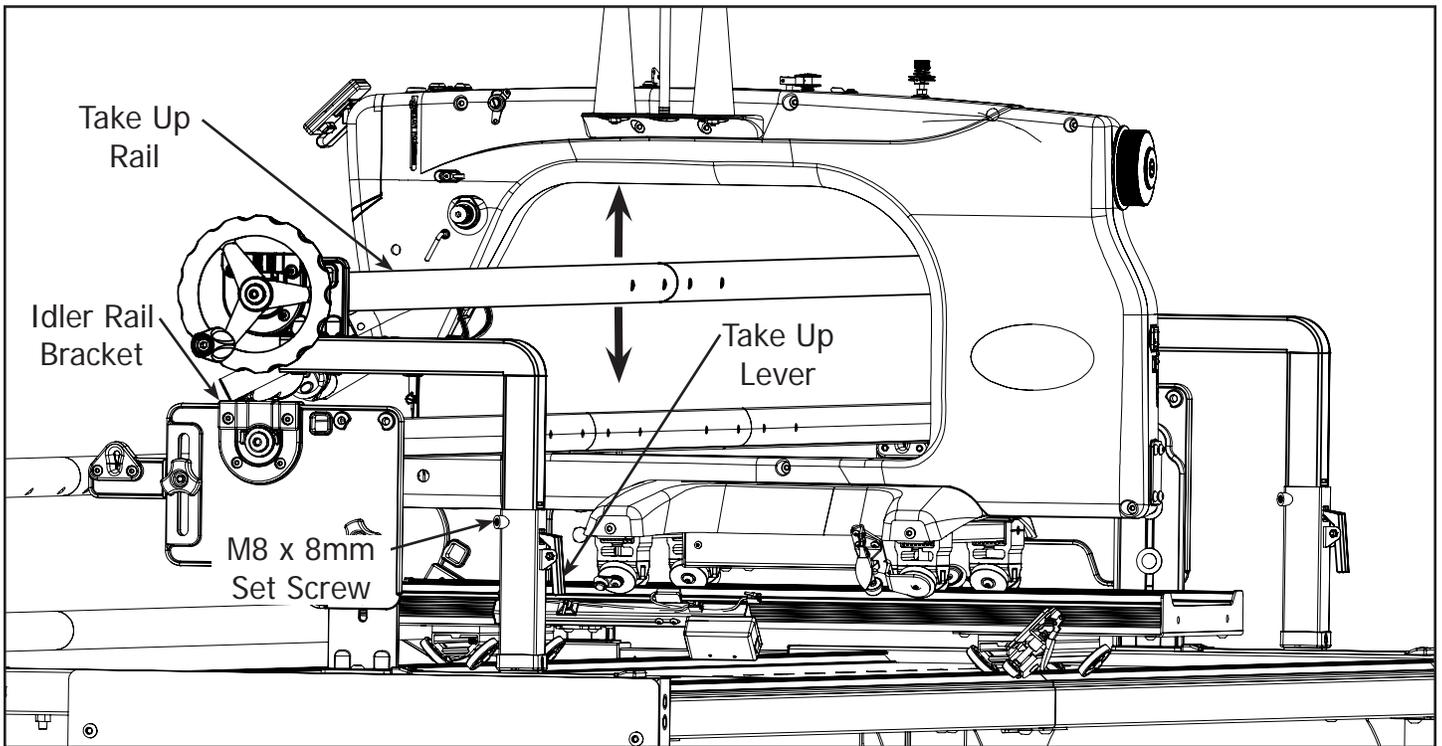
12-2 Plug the Power Supply into the Open Market Sensor Bracket.

**Note:** Make sure the magnet is between the Sensors.

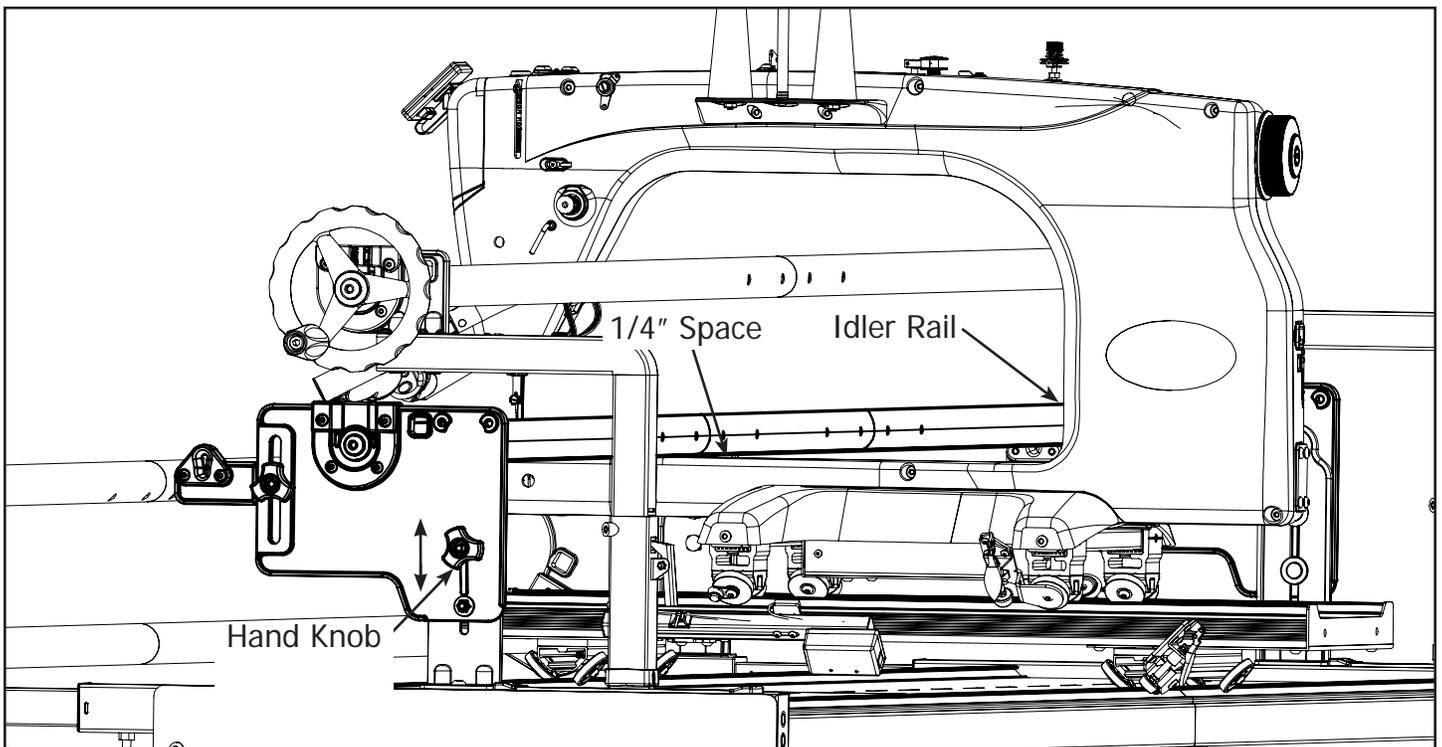


12-3 Secure cable with (2) Zip Ties and (2) Zip Tie Mounts. Plug in both Power Supplies into a power source.

# Setup

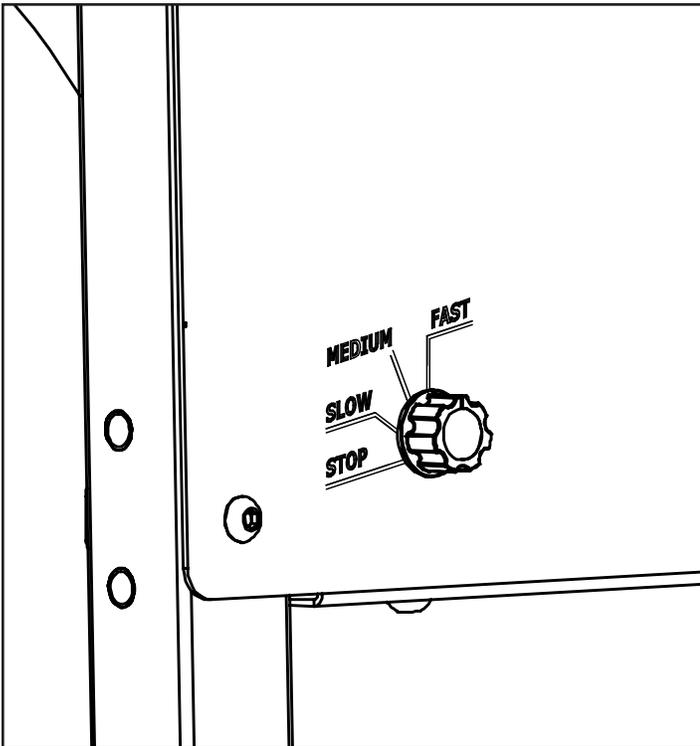


12-4 Adjust the height of the Take Up Rail by pressing in on the lower side of the Take Up Lever. Raise or lower the Take Up Rail so it is approximately centered in your machine, and the Gliding Rail does not rub on the Idler Rail Bracket. Make sure the Take Up Rail is level. Tighten the M8 x 8mm Set Screw on each side.

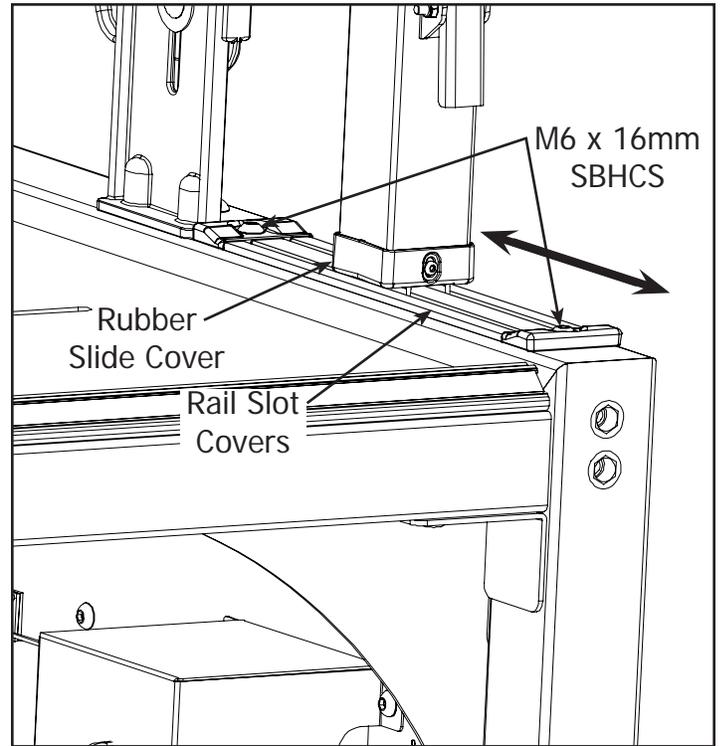


12-5 Adjust the height of the Idler Rail to be approximately 1/4 inch between the Idler Rail and the sewing machine. Make sure the Idler Rail is level and does not rub on your machine. Tighten the Hand Knob on both sides.

# Setup



12-6 Turn the Speed Control Knob to the desired speed to turn on the Gliding Rail. Turn the Speed Control Knob to Stop to center the rail and stop movement.



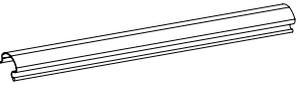
12-7 Move the Sewing Machine forward and back to verify there is no binding on the Slot Covers. If binding occurs, adjust the Rail Slot Covers.

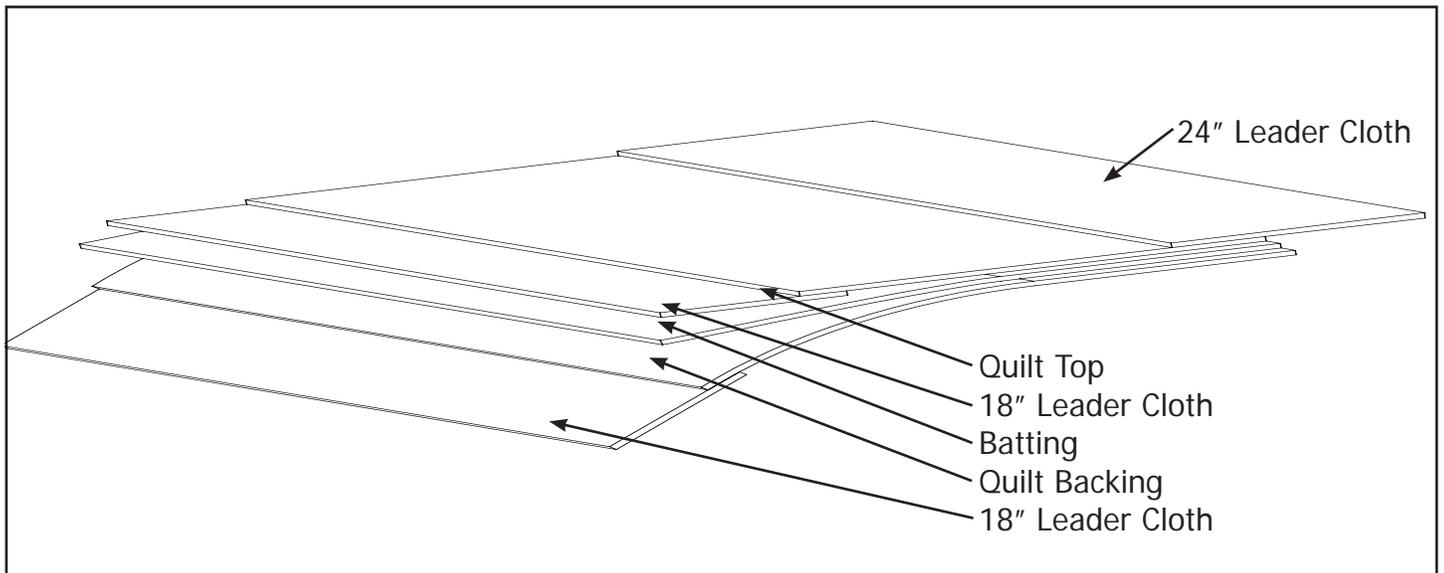
**Tighten the M6 x 16mm SBHCS.**

**Note:** Repeat for opposite side.

# Setup

## Step 13 - Fabric Installation

	
Fabric Clip (6)	Leader Cloth Set (1) (Included with Frame)



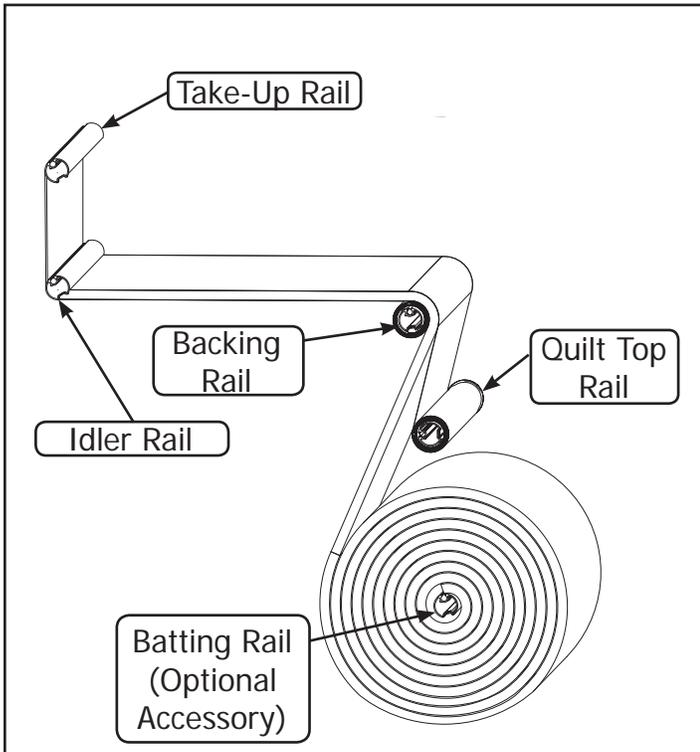
13-1 Pin the Leader Cloth to the appropriate sections of the Quilt.

**Setup:** The 18" Leader Cloth will be attached to the Quilt Backing. The second 18" Leader Cloth attaches to the Quilt Top. The 24" Leader Cloth will attach to the Take-up Rail.

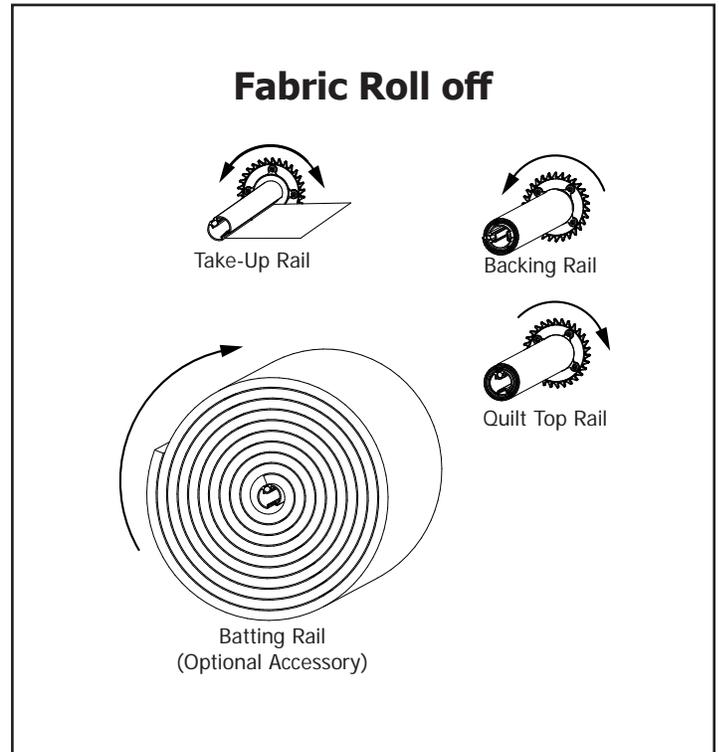
**Note:** This assembly step is universal for Crib, Queen, or King size frames.

**Note:** Place quilt backing fabric with finished side down, and place quilt top fabric with finished side up.

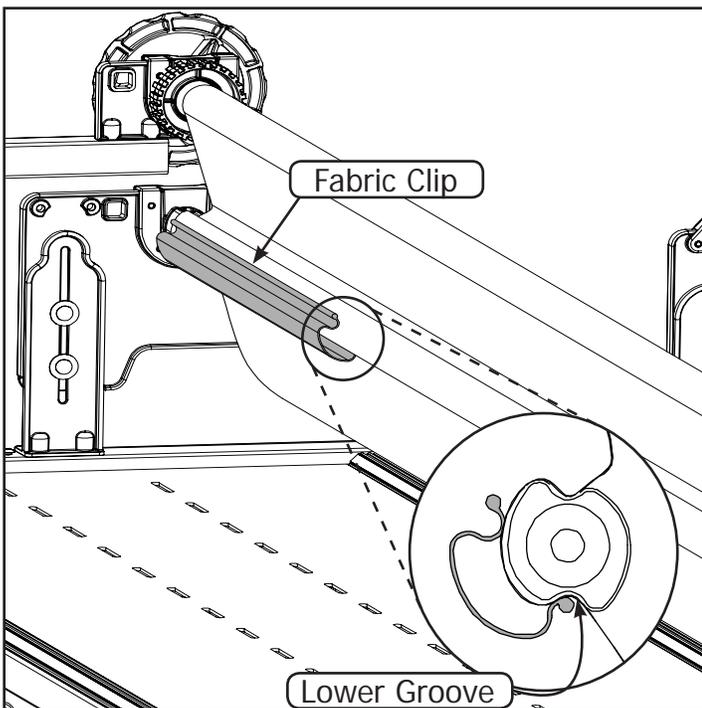
# Setup



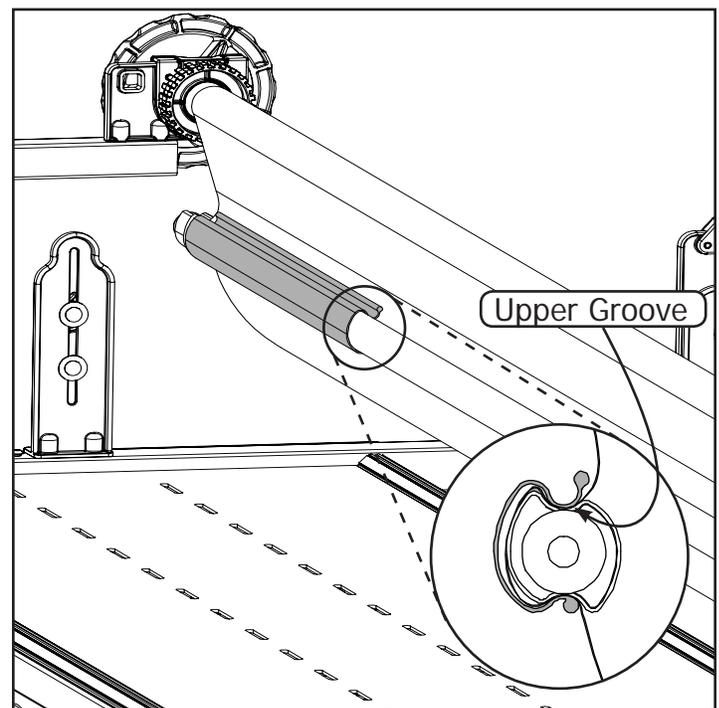
13-2 Attach the Backing Leader to the Backing Rail and ratchet the remaining fabric onto the rail. Similarly, attach the Top Leader to the Top Rail and ratchet the remaining fabric onto the rail.



13-3 Fabric should roll off of the rails as shown in the images above. The Take-Up Rail has no particular direction of rotation and can be rotated either way without effecting the frames performance.



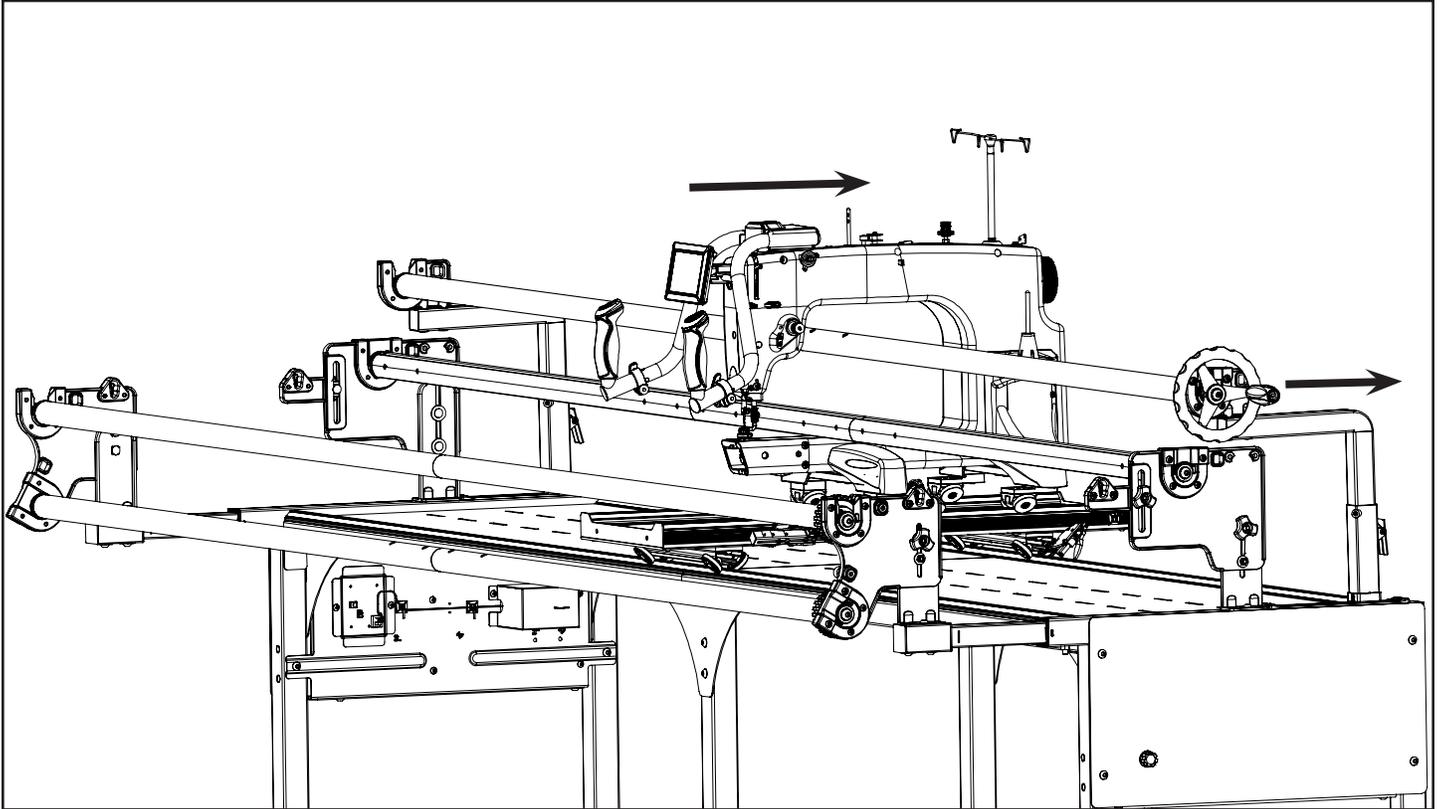
13-4 Place the lower side of the Fabric Clip into the lower groove of the Idler Rail.



13-5 Press the Fabric Clip over the fabric until it snaps into the upper groove.

# Setup

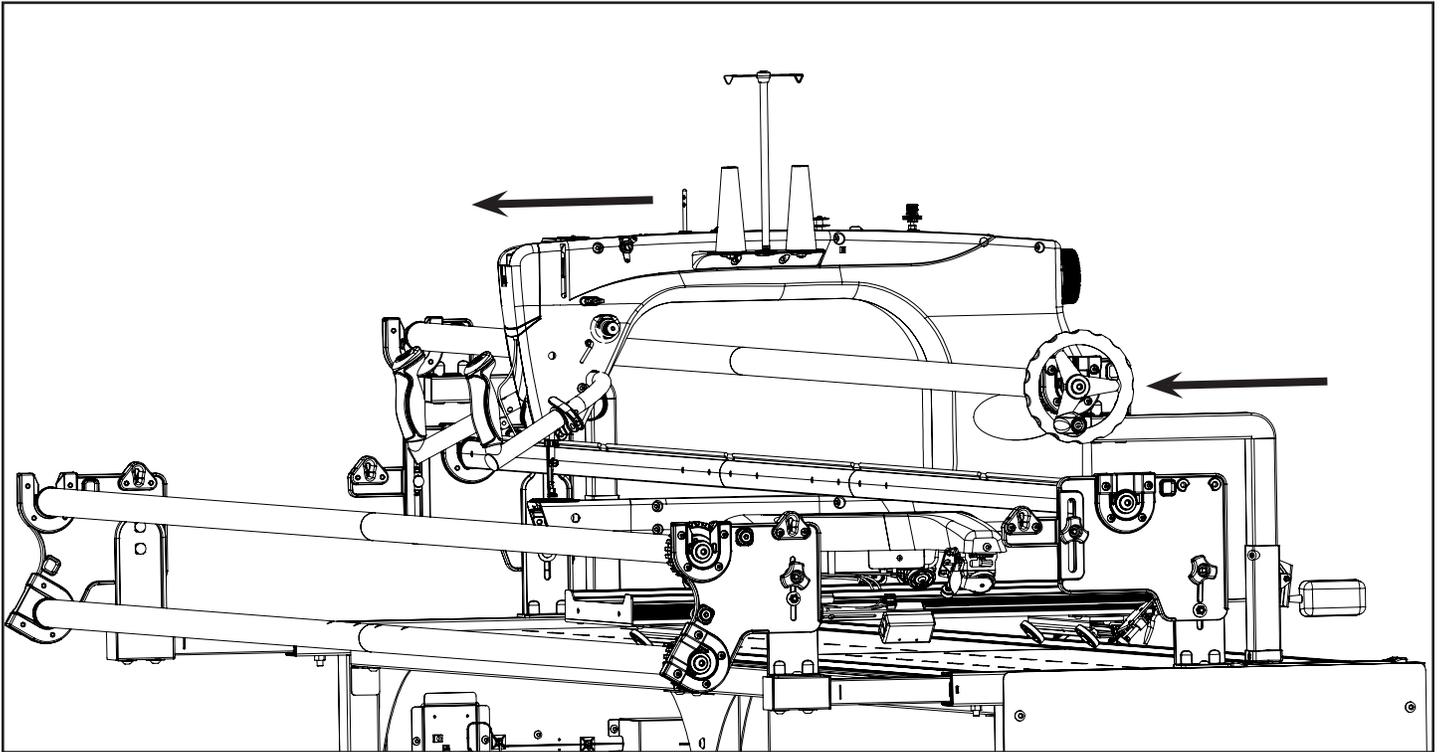
## Step 14 - Calibration



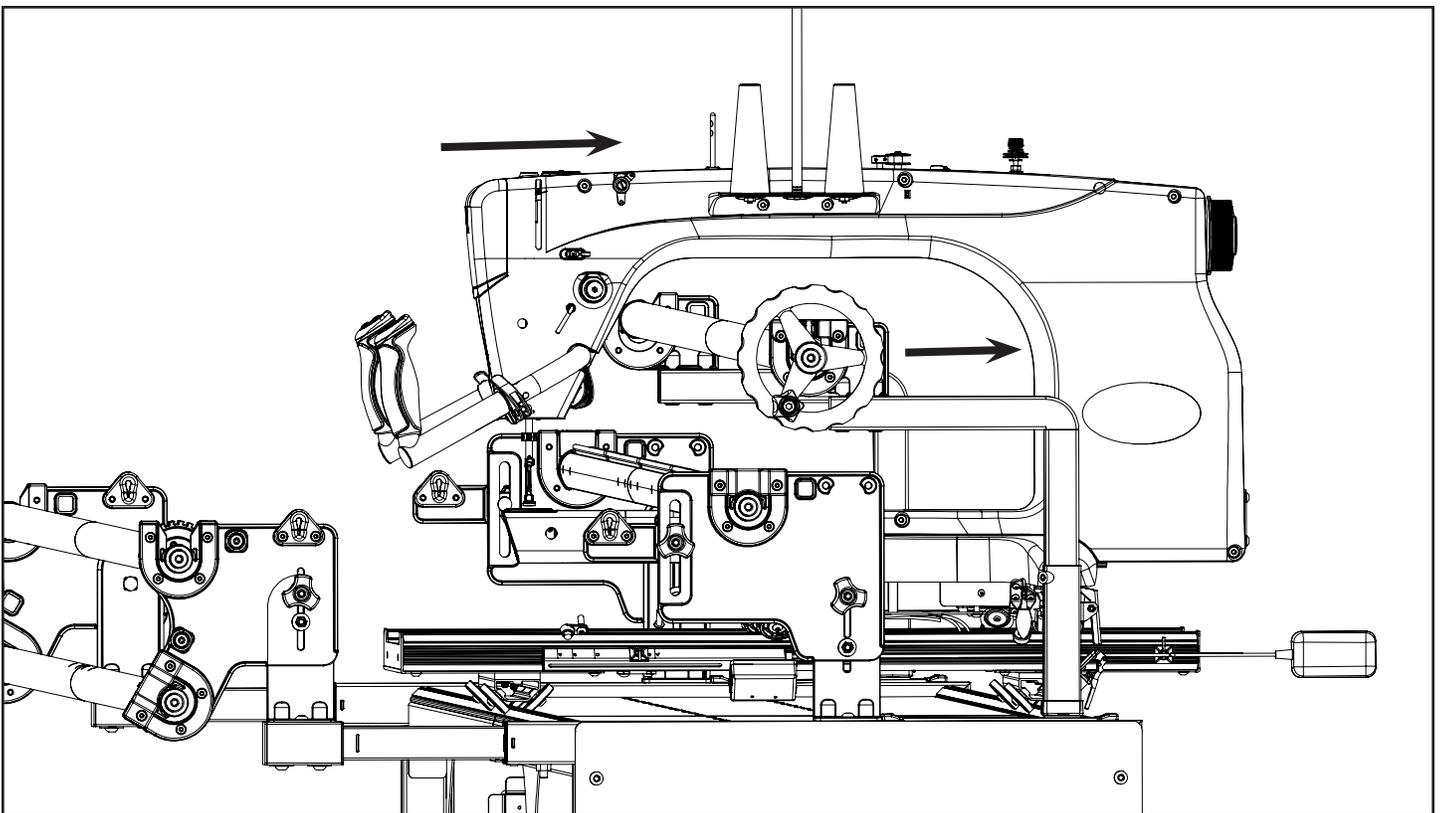
14-1 Move your sewing machine forward and backward a minimum of 10 times slowly making sure the Rail moves forward and back completely in order to calibrate the Gliding Rail System.

## Setup

### Step 15 - Function



15-1 As you move your Sewing Machine forward past the front Sensor on the Open Market Bracket, the Take Up Rail will move forward to allow for increased quilting area.



15-2 As you move your Sewing Machine back past the rear Sensor on the Open Market Bracket, the Take Up Rail will move backwards to allow for increased quilting area.

# Trouble Shooting Guide

## **Quilting Tips:**

- Be Careful not to sew too close to the edge, to prevent hitting you Bungee Clamps, or running off the edge of the quilt. Also, if you are using side leaders, avoid accidentally stitching the leader to your quilt.
- If your quilt will fit onto your frame length-wise attach your quilt's fabric to the rails along it's length. You will have to roll the quilt less often, since your work surface will be as large as possible. Also, the quilt will not be as large under the arm of the machine when you get to the end.
- Make sure to turn off your sewing machine any time you leave your quilting room.

## **Rails:**

- Keeping the fabric on the Take-Up Rail, just slightly above the bed of the sewing machine, yields the best results. If the fabric is too high off the bed, thread and needle breakage may occur. If it is pressing down on the bed of the machine it will be difficult to roll the sewing machine on the frame.
- When rolling the quilt, pull the batting a little to each side to make sure that it is not bunching. After rolling and tightening all the rails, check under the quilt to see that the back is smooth.

## **Stitch Regulating:**

- If the machine only appears to be stitch regulating in one direction, make sure the encoder cords are plugged in tightly on both ends. Make sure the encoder O-rings are contacting the track and rolling when the machine is moving on the carriage.

## **Bungee Clamps:**

- If it is necessary to use the bungee clamps over the batting on your quilt, turn the bungee clamps so the rubber grip in the clamp is gripping against the bottom fabric instead of the batting. Having the rubber grip clamp against the batting is less effective than having it clamp against the fabric.

## **Fabric Issues:**

- Do not over tighten the fabric on the quilting frame. Stretching the fabric will result in a quilt that does lay flat when it is finished.

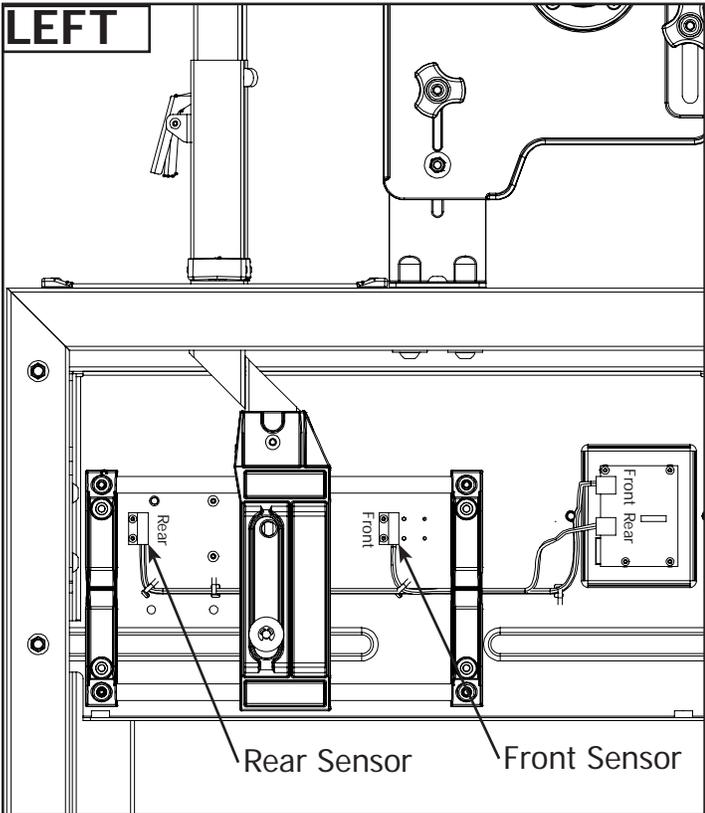
## **Frame Cleaning:**

- Regularly clean the wheels and track of your carriage and frame. Lint from the batting will build up quickly causing the carriage not to roll as smoothly and eventually damage the track.

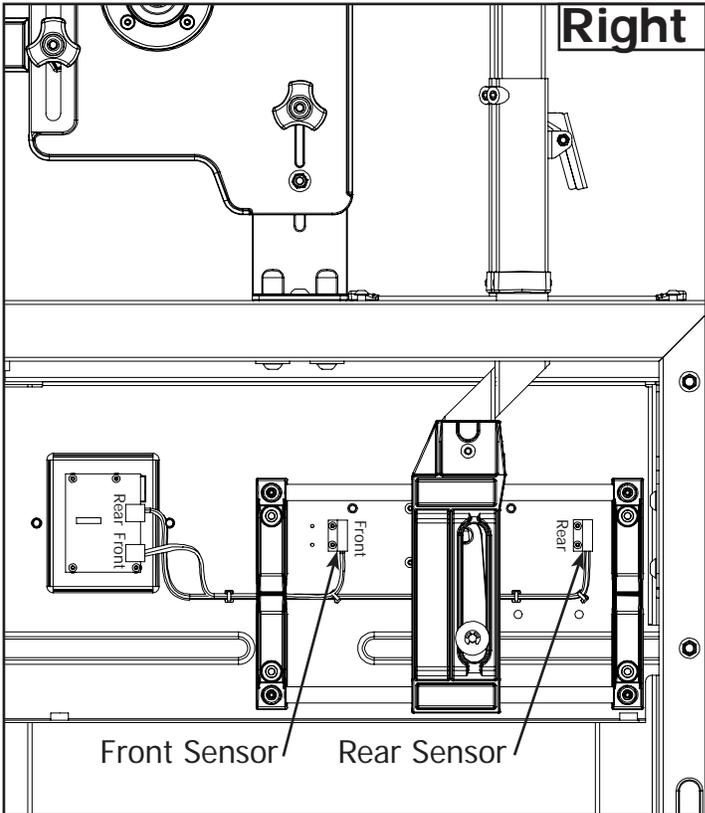
## **Sliding Rail not moving:**

- Check if the Speed Control Knob is switched away from stop. The cables must be attached correctly in their respective ports. (Step 7: Check Connections, and Step 9: Ethernet Cable Installation). Make sure both Power supplies are plugged in and secure. Make sure the Rubber Slide Cover is not binding on the Rail Slot Covers, (Step 4).

# Trouble Shooting Guide



Verify the Sensors are plugged into the correct ports on the Motor Control Board for the Left Frame Side.



Verify the Sensors are plugged into the correct ports on the Motor Control Board for the Right Frame Side.

**The Grace Company**  
**2225 South 3200 West**  
**Salt Lake City, UT 84119**  
**Phone: 1-800-264-0644**  
**[www.graceframe.com](http://www.graceframe.com)**

