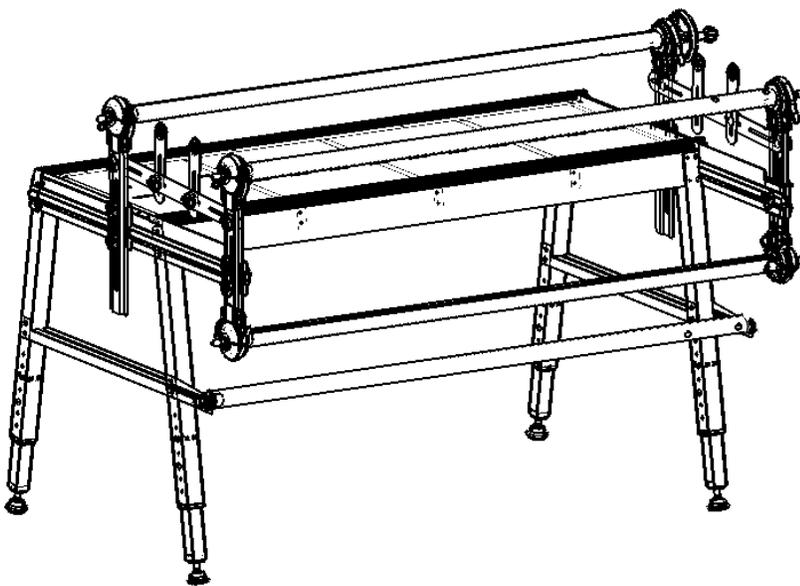
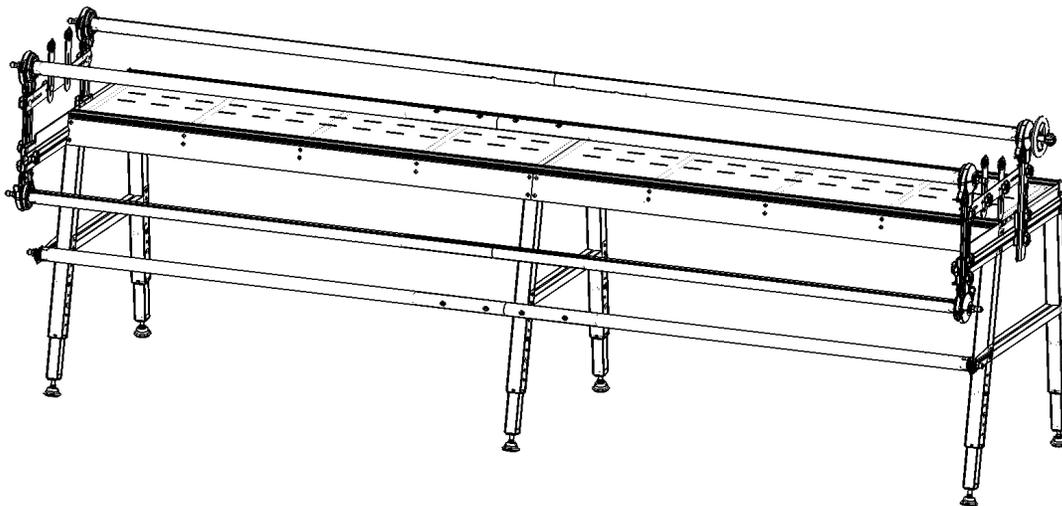


# Majestic

## Professional Series Quilting Frame

### Assembly Instructions



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Jim M. Bagley, GraceWood, Inc  
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Print Date 03-11-10

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## Warranty Information

### for your Grace Machine Quilting Frame

The Machine Quilting Frame 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. After one year customers are responsible for the cost of return shipping.

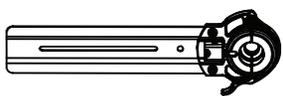
## Welcome!

Before you begin assembly of your new home machine quilting system, keep in mind the following:

- 1: Assembly of your new quilt frame will be simple and step by step.
- 2: Read through each step completely before beginning the step.
- 3: When beginning assembly of your frame we recommend you assemble it in the room you are going to be quilting in because it is large and could be difficult to move.
- 4: Your new quilt frame can be assembled in two size options, king which is 10 ft. or crib at 5 ft.
- 5: Using the parts list as a reference, take the parts out of the boxes and make sure that you have all the needed parts
- 6: Identify hardware packets: All hardware is separated by type and each packet is labeled for ease in identification.
- 7: If anything appears to be missing or damaged please contact your dealer or the Grace Company directly at 1-800-264-0644 or [info@graceframe.com](mailto:info@graceframe.com).

## Box 1

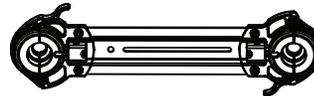
### Parts List



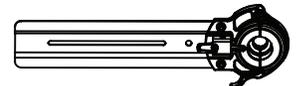
Take Up Rail  
End Left(1)



Front Rail End  
Right(1)



Front Rail End  
Left(1)



Take Up Rail End  
Right(1)



Lower Leg Brace(4)



Track Runner  
Coupling(2)

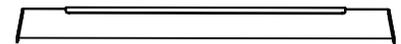


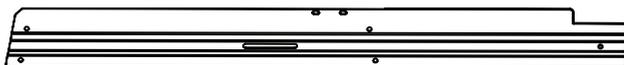
Table Support(6)



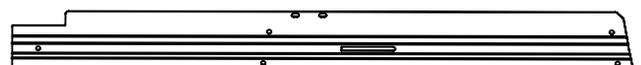
Side Leg Brace Right(1)



Side Leg Brace Left(1)



Frame End Left(1)



Frame End Right(1)



Plastic Tubing(4)

# Box 1

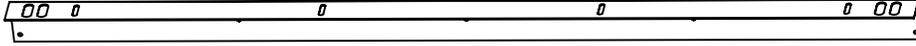
## Parts List (Continued)

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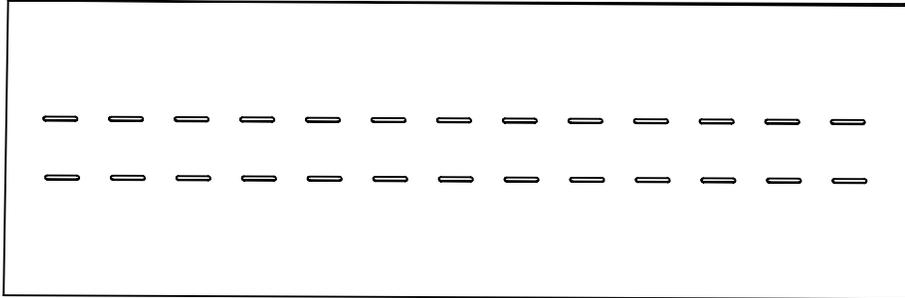
Track Runner(4)



Backing Tape(16)



Track Support(4)



Table(2)

---

Short Plastic Track(4) (pre-installed in two track runners)

---

Long Plastic Track(4)

## Tools (Provided)



Fabri-Fast Tool(1)



Bungee Clamp(4)



M3 Allen  
Wrench(1)



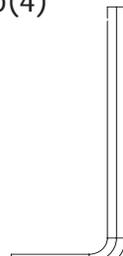
M4 Allen  
Wrench(1)



Open End Wrench  
10mm X 13mm(1)

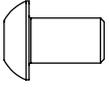


M5 Allen  
Wrench(1)

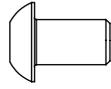


M6 Allen  
Wrench(1)

# Hardware List



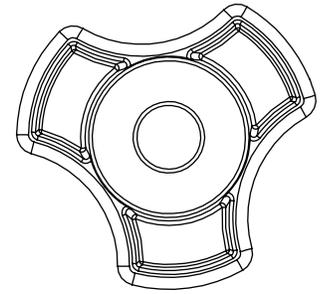
M5 X 10mm  
Socket Head  
Screw(50)



M6 X 10mm  
Socket Head  
Screw(66)



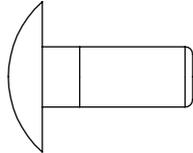
M6 Nylock Nut(2)



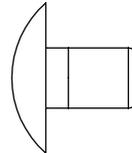
M8 Plastic Knob(8)



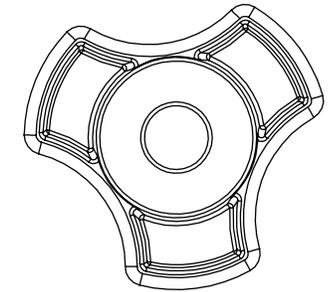
M6 X 15mm  
Hex Bolt(10)



M8 X 20mm  
Carriage Bolt(4)



M8 X 15mm  
Carriage Bolt(4)



M6 Plastic Knob (10)



M6 X 30mm  
Hex Bolt(2)

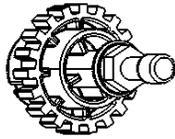


M5 Washer(22)

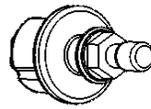
# Plastic Parts List



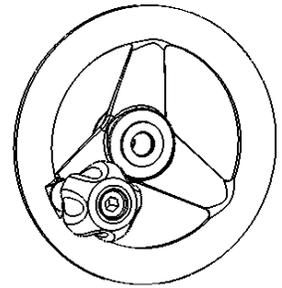
Ratchet Rail insert  
Assembly(5)  
(pre-assembled)



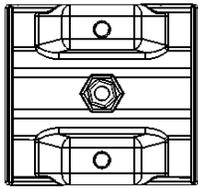
Ratchet Rail insert  
Assembly for  
Hand wheel(1)  
(pre-assembled)



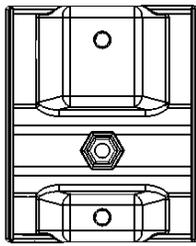
Fourth Rail End  
Cap(2)  
(pre-assembled)



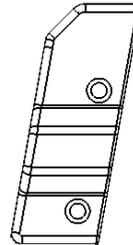
Hand Wheel(1)  
(pre-assembled)



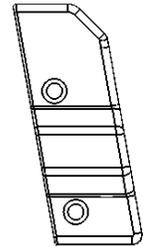
Front Rail End  
Mount(2)



Take Up Rail Mount(2)



Left Corner(1)



Right Corner(1)

## Box 2

### Parts List



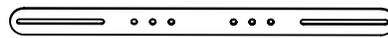
Leg Assembly(6)



Leg Table Brace(4)



38mm Rail Coupler(4)



Bungee Hold Plate(2)



Bungee Bar(4)

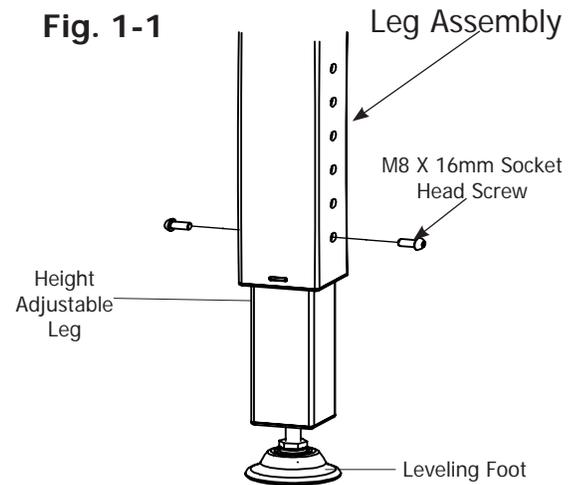


38mm Rail(8)

## Step 1: Height Adjustable Leg-Assembly

Parts Needed:

6- Leg Assembly



**1-1:** To adjust the height of the leg, unscrew the pre-assembled M8 Socket Head Screws on each side, and slide the leg to the desired height. Reinsert the screws into the leg on each side, as shown in Fig. 1-1 and tightly thread back in. Repeat this step again for the other legs, making sure the screws in all the legs are at the same position.

**Note:** As a general recommendation, most users from 5'4" to 5'6" tall prefer the legs positioned with the screws in the center hole. Preferred heights may vary.

## Step 2: Side Stand-Assembly

Parts Needed:

24-M6 X 10mm Socket Head Screw

1-Side Leg Brace Left

1-Side Leg Brace Right

2-Lower Leg Brace

2-Leg Table Brace

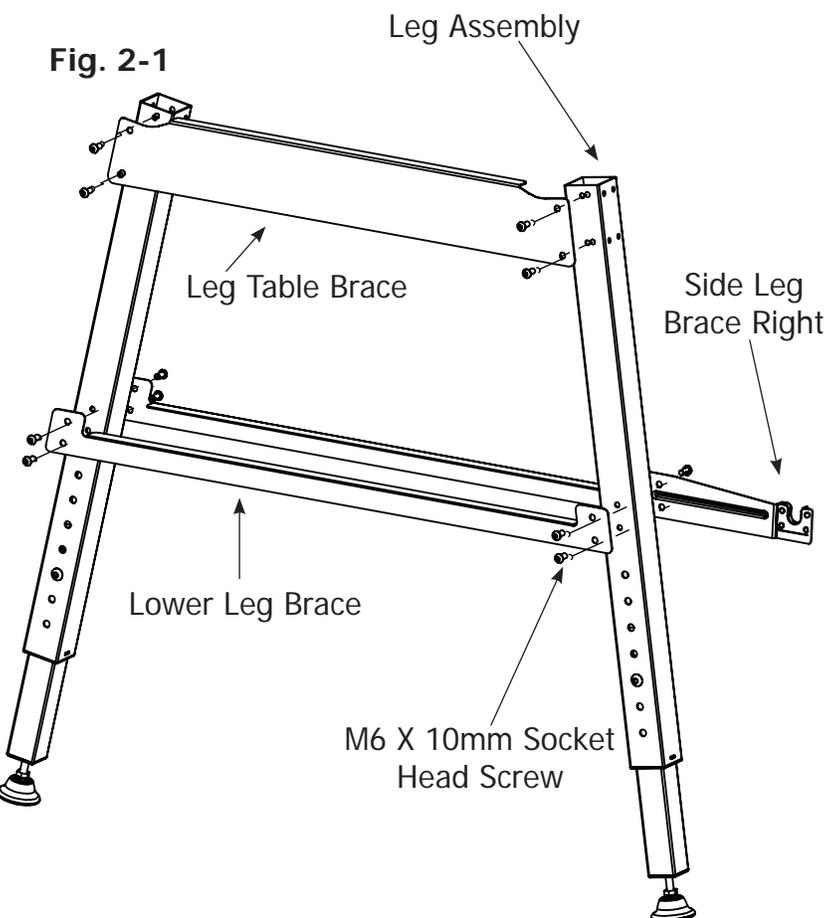
4-Leg Assembly

**2-1:** Attach the Leg Table Brace to the top two the leg assemblies with (4) M6 X 10mm Socket Head Screws. Do not tighten any screws completely until all the braces are in place.

**2-2:** Attach the Lower Leg Brace on the same side as the Leg Table Brace with (4) M6 X 10mm Socket Head Screws.

**2-3:** On the opposite side, attach the Side Leg Brace Right to the Leg Assemblies with (4) M6 X 10mm Socket Head Screws, as shown in Fig. 2-1. Tighten down all screws completely now.

**2-4:** Repeat Steps 2-1 through 2-3 to assemble the Left Side Stand Assembly.



### **Step 3: Middle Stand-Assembly** (King assembly only)

Parts Needed:

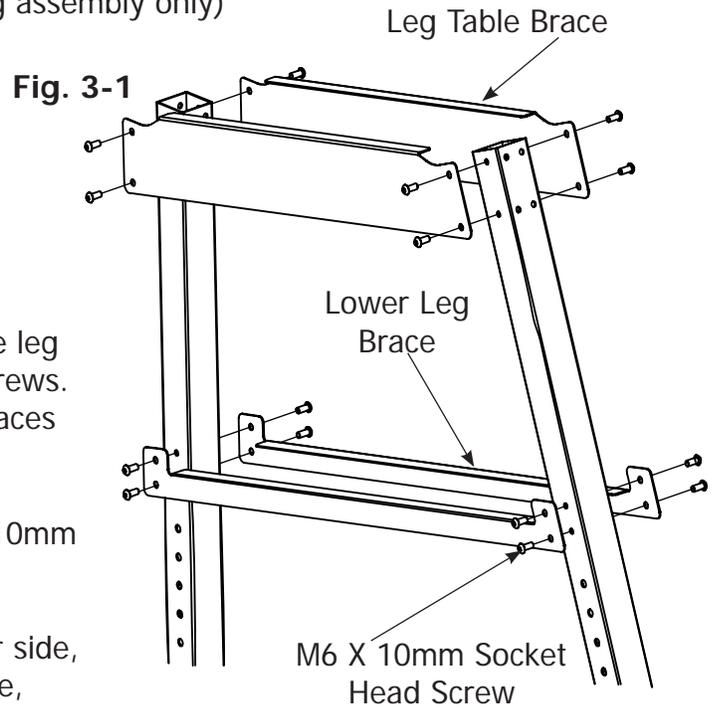
- 16-M6 X 10mm Socket Head Screw
- 2-Lower Leg Brace
- 2-Leg Table Brace
- 2-Leg Assembly

**Note:** Skip to Step 4 if setting up in crib size.

**3-1:** Attach the Leg Table Brace to the top of the leg assemblies with (4) M6 X 10mm Socket Head Screws. Do not tighten any screws completely until all braces are attached.

**3-2:** Attach the Lower Leg Brace with (4) M6 X 10mm Socket Head Screws.

**3-3:** Repeat the previous two steps for the other side, as shown in Fig. 3-1. When all braces are in place, tighten down all screws completely.



### **Step 4: Track Support-Assembly**

Parts Needed:

- 16-M6 X 10mm Socket Head Screw\*\*
- 4-Track Support\*\*
- 1-Middle Leg Assembly\*
- 1-Right Leg Assembly
- 1-Left Leg Assembly

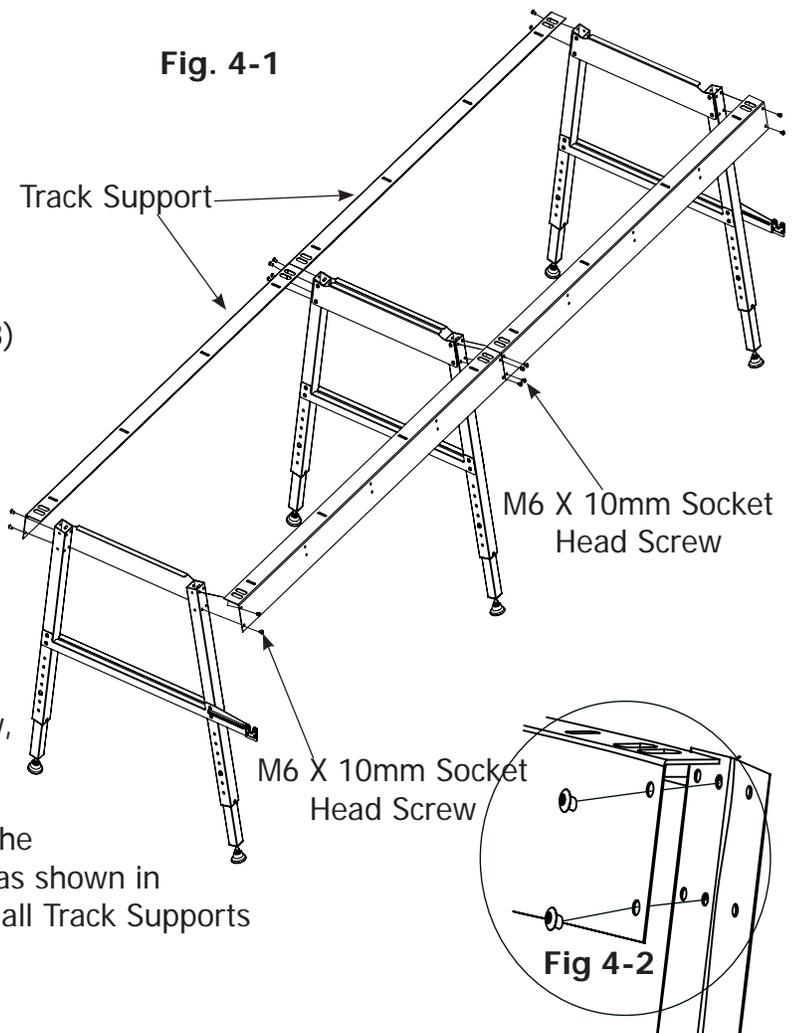
\* King size only

\*\*For crib size only (2) Track Supports and (8) Socket Head Screws are needed.

**Note:** For Crib assembly, ignore steps 4-2 and 4-4 because you will not have the Middle Leg Stand. Instead, attach Track Supports from one Side Leg Stand to the other Side Leg Stand, as shown in Fig. 4-3.

**4-1:** Attach a Track Support to the Left Leg Stand with (2) M6 X 10mm Socket Head Screw, as shown in Fig. 4-1.

**Note:** Make sure Track Supports line up with the outside holes on the right and left leg stands, as shown in Fig. 4-2. Don't tighten screws completely until all Track Supports are attached to Leg Assemblies.



**4-2:** Attach the other end of the track support to the Middle Leg Stand with (2) M6 X 10mm Socket Head Screws.

**4-3:** Attach another Track Support to the Right Leg Stand, with (2) M6 X 10mm Socket Head Screws.

**4-4:** Attach the other end of this track support to the Middle Leg Stand with (2) M6 X 10mm Socket Head Screws.

**4-4:** Follow steps 4-1 through 4-4 again, for the other side of the frame. Tighten all screws completely after completing this step.

### **Step 5: Table Supports-Assembly**

Parts Needed:

24-M5 X 10mm Socket Head Screw\*\*

6-Table Supports\*\*

\*\*Only 12 Socket Head Screws and 3 Table Supports needed for crib size.

**5-1:** Attach a Table Support to Track Supports using (2) M5 X 10mm Socket Head Screws on each side, as shown in Fig. 5-1.

**5-2:** Repeat this process to install the other 5 Table Supports. (Or the other 2 Table Supports for crib.)

**Note:** Firmly tighten all screws as you attach each Table Support.

### **Step 6: Frame End-Assembly**

Parts Needed:

1-Frame End Left

1-Frame End Right

1-Right Corner

1-Left Corner

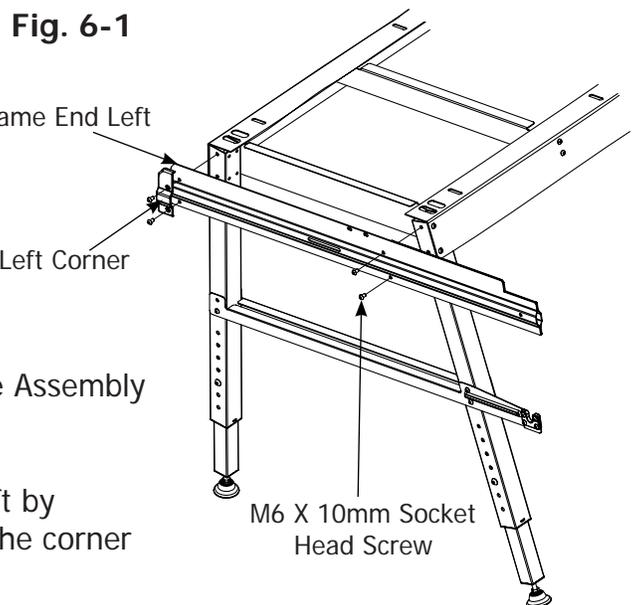
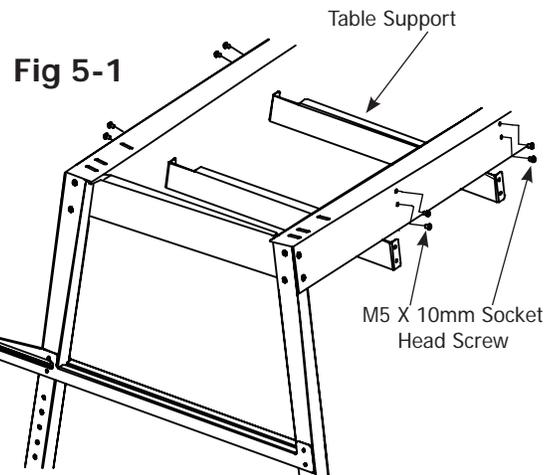
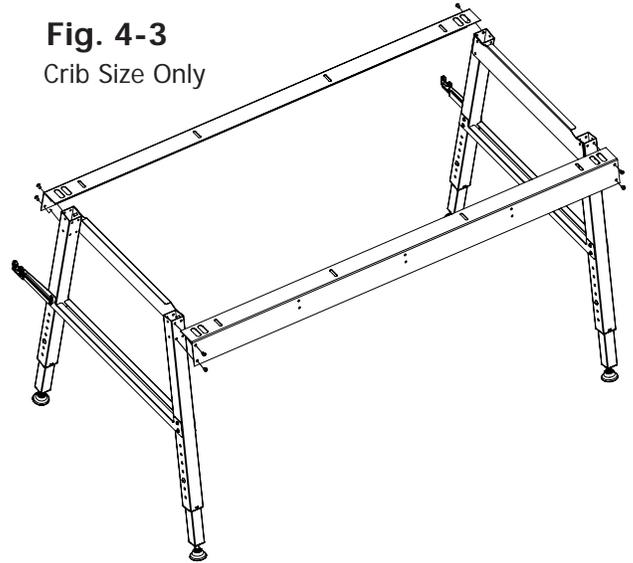
8-M6 X 10mm Socket Head Screw

**6-1:** Attach the Frame End Left to the front of the Frame Assembly with (2) M6 X 10mm Socket Head Screws.

**6-2:** Attach the Plastic Left Corner to the Frame End Left by threading (2) M6 X 10mm Socket Head Screws through the corner and into the Frame Assembly, as shown in Fig. 6-1.

**6-3:** Repeat Steps 6-1 and 6-2 for the Right Frame End and Right Corner.

**Fig. 4-3**  
Crib Size Only



## **Step 7: Take Up Rail End-Assembly**

Parts Needed:

- 6- M6 X 15mm Hex Bolt
- 2- M6 Nylock Nut
- 4- M6 Plastic Knobs
- 1- Take Up Rail End Right
- 1- Take Up Rail End Left
- 2- Take Up Mount
- 2- M5 Flat Washer

**Note:** The Right Take up Rail End and Right Front Rail End have a ratchet and locking switch in them as shown in Fig. 7-1. The left side Rail Ends do not.

**7-1:** Insert (1) M6 X 15mm Hex Bolt into Take Up Mount.

**7-2:** Attach the Take Up Mount to Take Up Rail End Left with (2) M6 X 15mm Hex Bolts. Tighten bolts with (2) M6 Plastic Knobs, as shown in Fig. 7-2.

**Note:** The Take Up Mount should be attached to the Take Up Rail Ends Left and Right, with the tall side up as shown in Fig. 7-2.

**7-3:** Attach Take Up Assembly to Frame End Left using the M6 X 15mm Hex Bolt already inserted into the Rail Mount in step 7-1. Tighten this bolt with a M6 Flat Washer and a M6 Nylock Nut as shown in Fig. 7-3.

**7-4:** Repeat this process in the right side of the frame for the Take Up Rail End Right.

## **Step 8: Front Rail End-Assembly**

Parts Needed:

- 4-M6 X 15mm Hex Bolt
- 2-M6 X 30mm Hex Bolt
- 6-M6 Plastic Knobs
- 1-Front Rail End Right
- 1-Front Rail End Left
- 2-Front Rail End Mount

**8-1:** Insert (1) M6 X 30mm Hex Bolt into Front Rail End Mount Left.

**8-2:** Attach the Front Rail End Mount to Front Rail End Left with (2) M6 X 15mm Hex Bolts and tighten with (2) M6 Plastic Knobs, as shown in Fig. 8-1.

Fig. 7-1

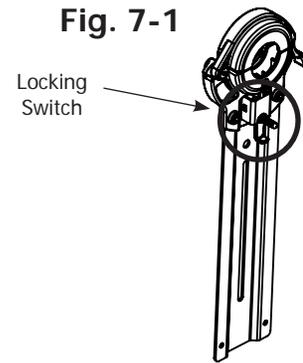


Fig 7-2

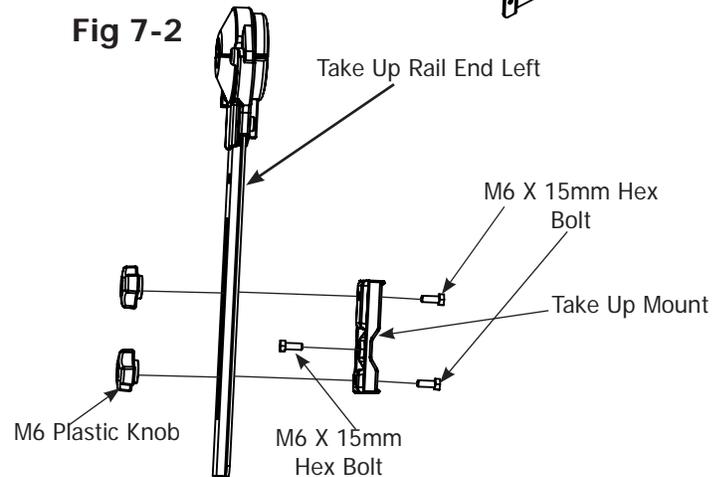


Fig. 7-3

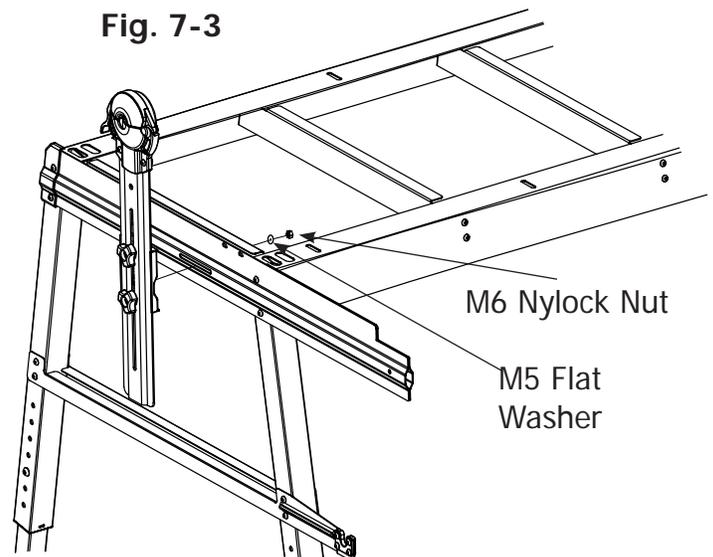
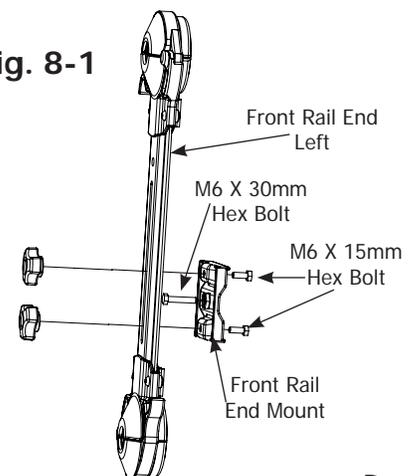
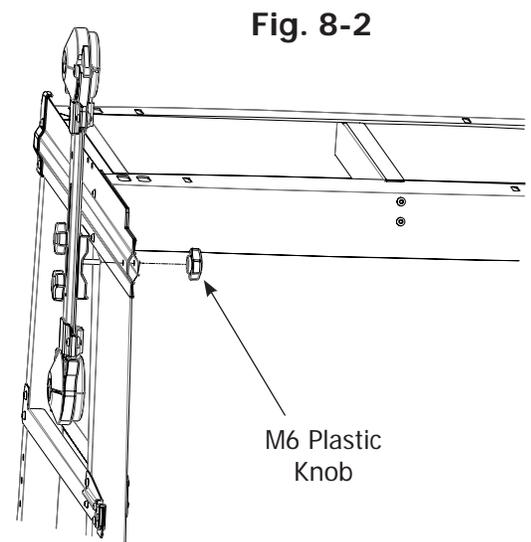


Fig. 8-1



**8-3:** Attach Front End Rail Assembly to Frame End Left using the M6 X 15mm Hex Bolt already inserted into the Rail Mount in step 8-1. Tighten this bolt with a M6 Plastic Knob as shown in Fig. 8-2.

**8-4:** Repeat Steps 8-1 through 8-3 for the Front Rail End Right.



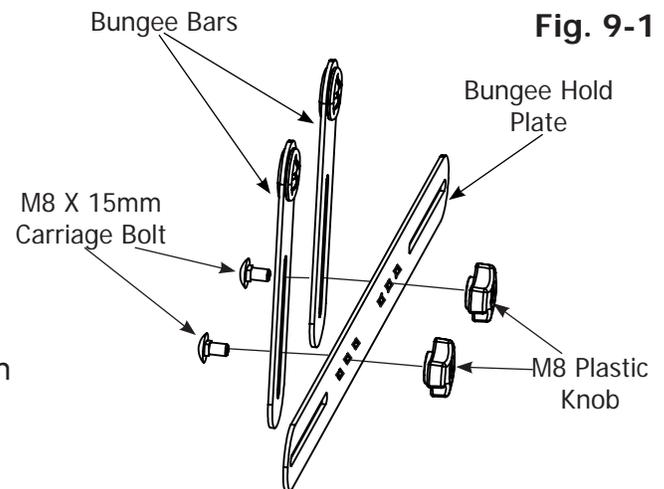
**Fig. 8-2**

### **Step 9: Bungee Hold Plate-Assembly**

Parts Needed:

- 2-Bungee Hold Plate
- 8-M8 Plastic Knob
- 4-M8 X 15mm Carriage Bolt
- 4-M8 X 20mm Carriage Bolt
- 4-Bungee Bar

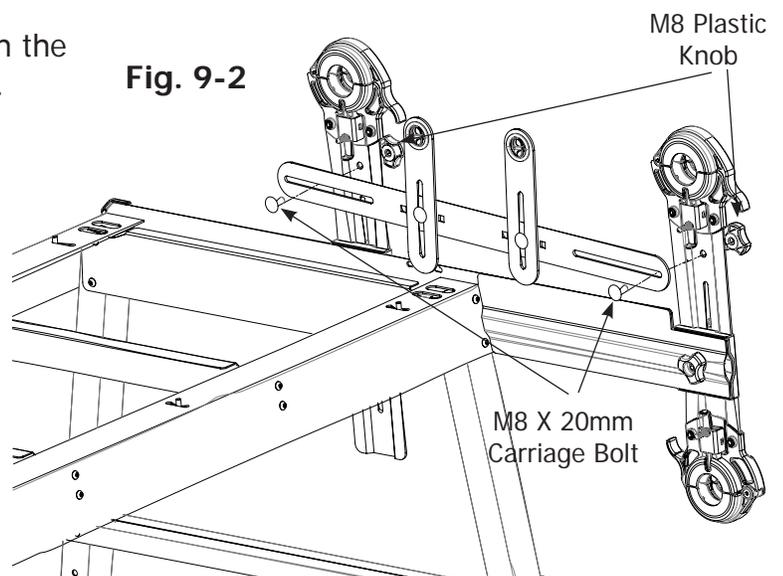
**9-1:** Slide (2) M8 X 15mm Carriage Bolts with through the Bungee Bars and into the Bungee Hold Plate and tighten (2) M8 Plastic Knobs on the bolts as shown in Fig. 9-1.



**Fig. 9-1**

**9-2:** Attach the Bungee Hold Plate Assembly to the Front End Right and Take Up Rail End Right with (2) M8 X 20mm Carriage Bolts as shown in Fig. 9-2. Tighten (2) M8 Plastic Knobs onto the bolts.

**9-3:** Repeat these steps to assemble and attach the Bungee Hold Plate on the left side of the frame.



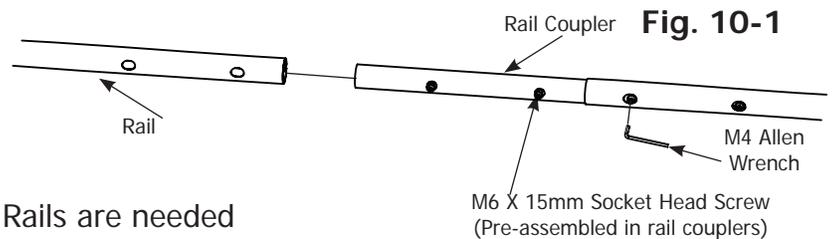
**Fig. 9-2**

## Step 10: Rail-Assembly

### Parts Needed:

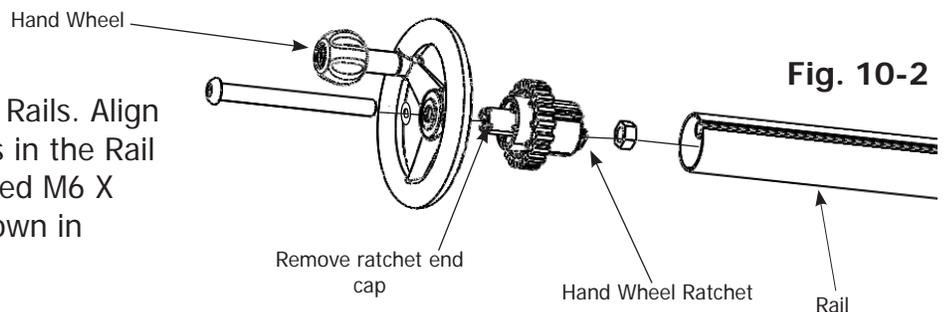
- 5-Ratchet Rail Insert assembly
- 1-Hand Wheel Ratchet
- 4-Rail Coupler\*
- 2-Fourth Rail End Caps
- 8-Rail\*
- 1-Hand Wheel

\*For King setup only. For Crib setup only 4 Rails are needed and no Rail Couplers.



**Note:** For crib assembly, only do Steps 10-3 through 10-6.

**10-1:** Slide a Rail Coupler into (2) Rails. Align the slots on each rail with the slots in the Rail Coupler. Tighten the (4) pre-installed M6 X 15mm Socket Head Screws, as shown in Fig. 10-1.



**Note:** Inserting the Rail Coupler into the rails might be a tight fit to insure quality.

**10-2:** Repeat Step 10-1 for to couple together the other rails.

**10-3:** Take the Socket Head Screw out of the Hand Wheel Ratchet (the insert assembly with the longer bolt), and remove the Ratchet End Cap. In the place of the Ratchet End Cap, add the Hand Wheel to the assembly as shown in Fig. 10-2. Reinsert the Socket Head Screw through the Ratchet Rail Insert Assembly as shown in Fig. 10-2.

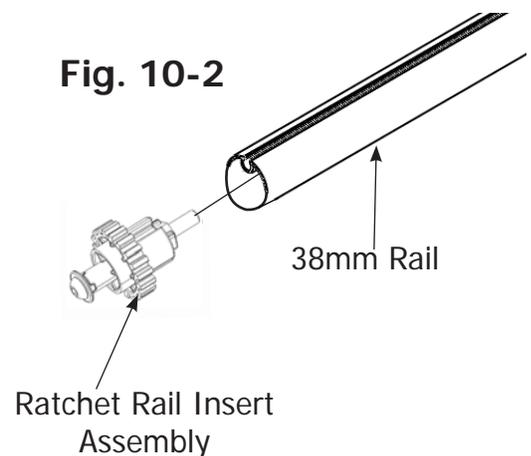
**10-4:** Insert the Hand Wheel Assembly into a Rail and tighten the Socket Head Screw.

**Note:** If the Ratchet Rail Insert Assembly won't fit, loosen the screw on the end and loosen the pieces of the insert. Don't pull the bolt all the way out. Then re-insert Ratchet Assembly into the Rail and tighten the screw.

**10-5:** Insert the Ratchet Rail Insert Assembly into the other end of the Rail and tighten the screw on the end, as shown in Fig. 10-2.

**10-6:** Insert the other (4) Ratchet Rail Insert Assemblies into the ends of the other (2) Rails.

**10-7:** Insert (2) Fourth Rail End Caps into the last Rail.



## Step 11: Track Runner-Assembly

### Parts Needed:

- 24-M5 X 10mm Socket Head Screw
- 2-Track Runner Coupling\*\*
- 4-Track Runner (only 2 for crib)
- 16-M5 Flat Washer
- 4-60" Short Plastic Track\*
- 4-120" Long Plastic Track\*\*

\*For crib setup only

\*\*For king setup only

**Note:** For crib assembly only do Steps 11-7 through 11-11.

**11-1** Insert an M5 screw into the third hole of the bottom of the Track Runner. This screw will be used as a stopper for the proper depth on the coupler, as shown in Fig. 11-1.

**11-2:** Slide the Track Runner Coupling into Track Support until it stopped by the screw.

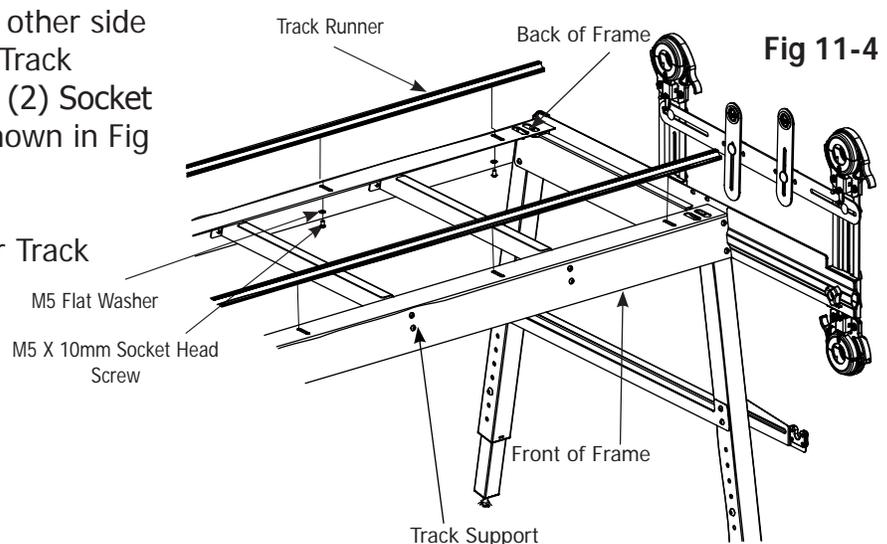
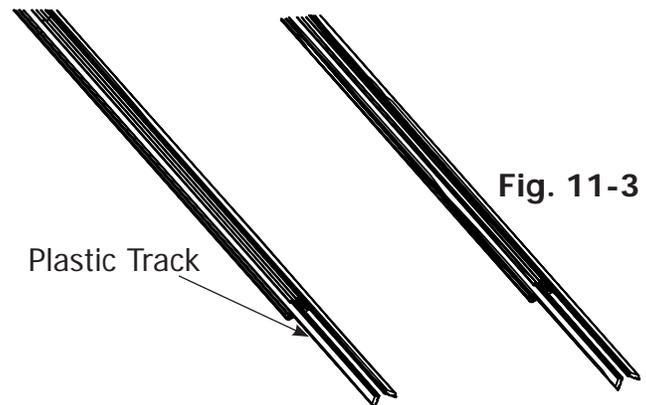
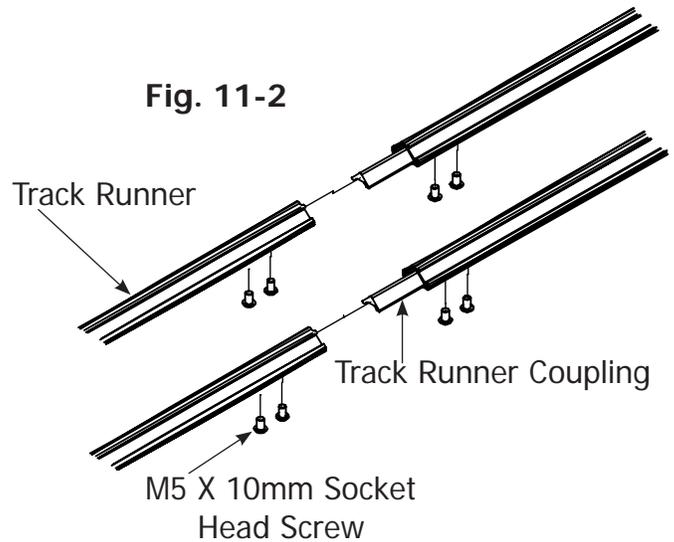
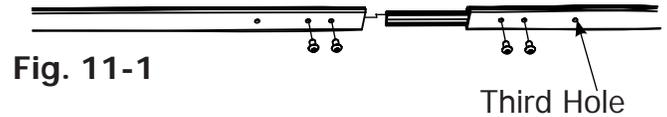
**11-3:** Thread two M5 X 10mm Socket Head Screws into the first two holes on the track runner to tighten the coupler in place, as shown in Fig. 11-2.

**Note:** The screw heads will stick out a little ways from the Track Runner.

**11-4:** Take out the third screw used as a stop once the Track Runner Coupling is secured in place.

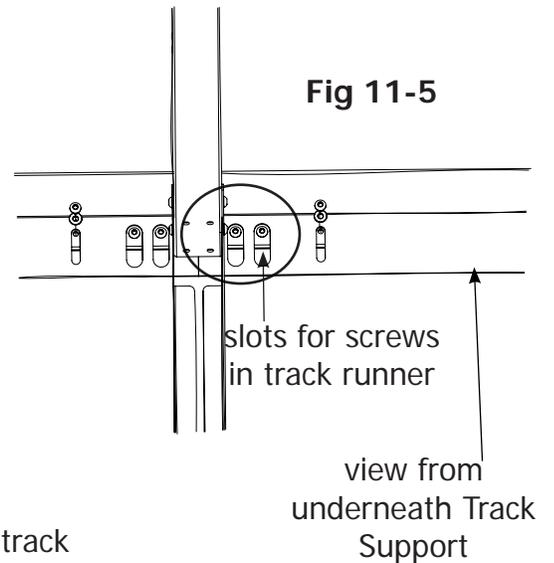
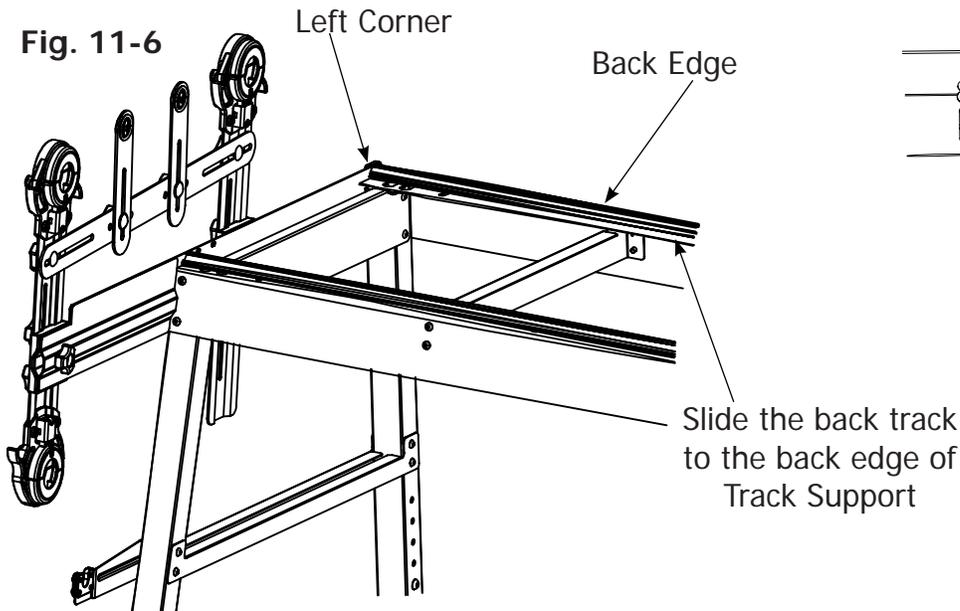
**11-5:** Slide another Track Runner onto other side of the Coupling, making top surface of Track Runners as flush as possible. Thread in (2) Socket Head Screws into the inside holes as shown in Fig 11-2.

**11-6:** Repeat this process for the other Track Runner Assembly.



**11-7:** Slide a piece of Long plastic track into each side of the Track Runners, as shown in Fig 11-3 (for the crib assembly use Short Plastic Track).

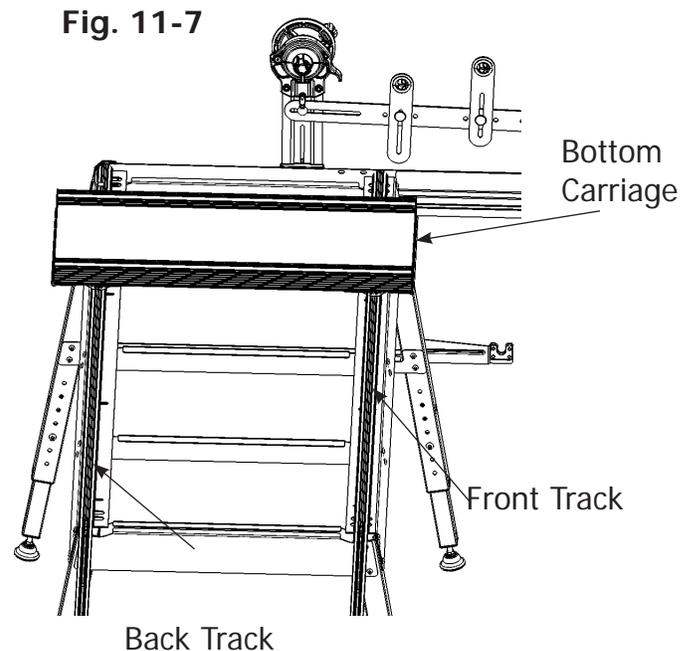
**11-8:** Place a Track Runner Assembly on the back of the frame with screws threaded into the slots on the Track Support, as shown in 11-5. Slide Back as far as it will go, as shown in Fig. 11-6.



**11-9:** Slide (8) M5 X 10mm Socket Head Screws through (8) M5 Flat Washer and into the back track from underneath the frame as shown in Fig. 11-4. Tighten screws to secure Track Runner in place.

**11-10:** Place the other Track Runner onto the Front Track Support and repeat step 11-9 but leave screws loose without tightening them completely.

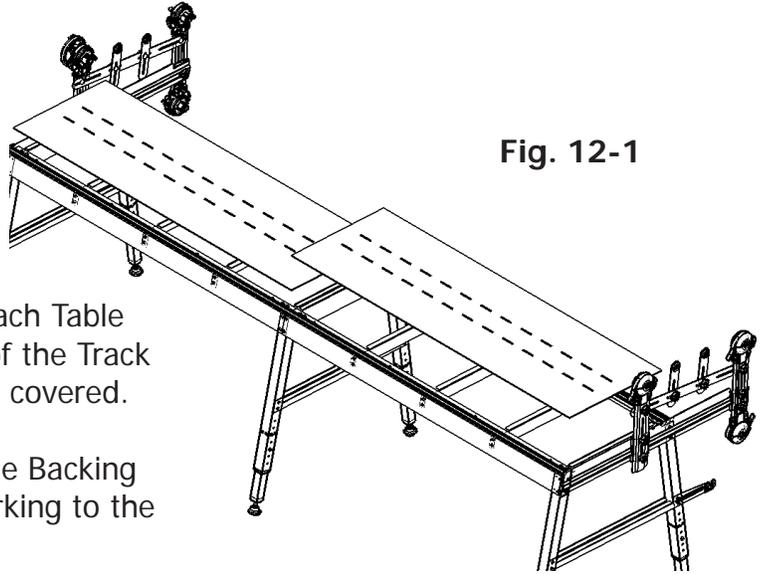
**11-11:** Use the Bottom Carriage to align the front track. Move the carriage slowly down the track, stopping at each screw to tighten it in place, as shown in Fig. 11-7.



## Step 12: Table - Assembly

Parts Needed:

- 2-Tables for King (only 1 for Crib)
- 16-Backing Tape



**12-1:** Place pieces of backing tape between each Table Support, along the back of the frame in front of the Track Runner. Leave the top side of backing tape still covered.

**12-2:** Peel off the nonstick cover from all of the Backing Tape, starting at one end of the frame and working to the other.

**12-3:** Align the plastic tables by setting the first table in all the way forward touching the front track runner. Align the edge of the table with middle seam of the track runners. Slowly lower table to the backing tape. Attach the plastic table, **with the textured surface side up**. Repeat for second table by placing it against the edge of the first table. Press the tables firmly against the Backing Tape.

## Step 13: Rail to Frame - Assembly

Parts Needed:

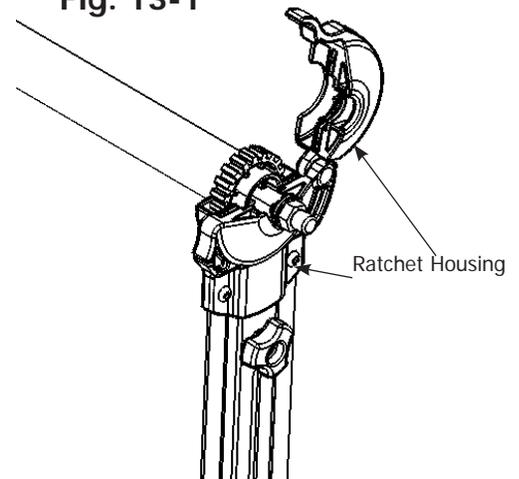
- 1-Take Up Rail Assembly
- 2-Rail Assemblies
- 1-Bottom Rail Assembly

**Note:** The Take Up Rail Assembly, which has the Hand Wheel, is placed so that the wheel is on the right side of the frame.

**13-1:** Open up top of ratchet housings and engage the locking switch on ratchets. Then insert rail assemblies into ratchet housing. Don't put Take Up Rail on until Step 13-4.

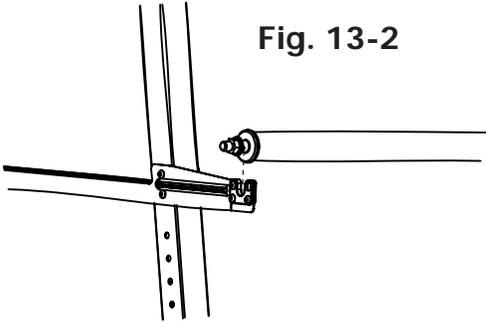
**13-2:** Close the ratchet housing and unlock the locking switches. Then spin the rails to make sure ratchets are working properly, as shown in Fig. 13-3.

Fig. 13-1

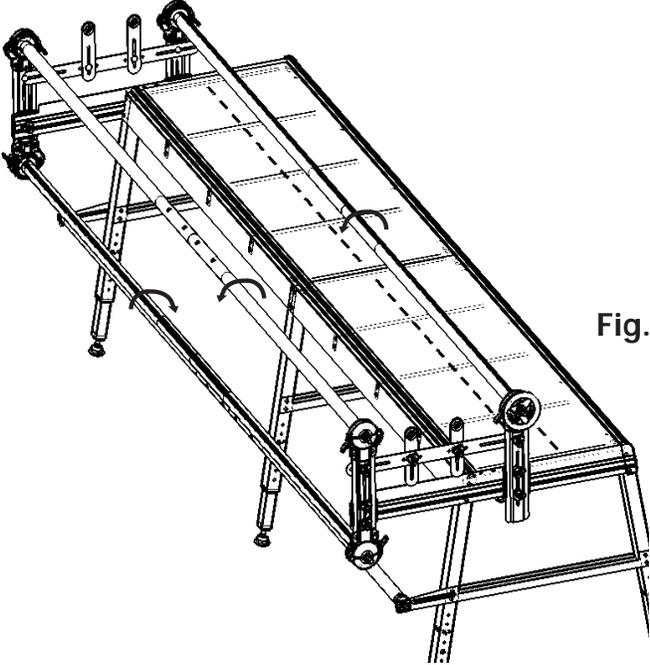


**13-3:** Insert the fourth Rail Assembly into the Side Leg Brace Right and Left, as shown in Fig. 13-3.

**13-4:** Once your sewing machine is in place on the frame, insert the Take Up Rail through the throat of your sewing machine and into the ratchet housings.



**Fig. 13-2**



**Fig. 13-3**

## Congratulations! You have completed the assembly of your Quilting Frame.

All that remains is to install your fabric and begin quilting! (You will notice you still have Bungee Clamps to install. These will be assembled in conjunction with the fabric installation).

With the Grace Company - specially designed Fabri-Fast rails, installing your fabric is easier on the Grace Quilting Frames than on any other frame. Each rail has a Fabri-Fast slot and accompanying tubing. These components work together to make your fabric installation much easier and faster than using tape, tracks or Velcro®.

Before you begin, please locate the plastic Fabri-Fast tool included in your shipment.

We recommend you begin with practice material allowing you to experiment with machine settings and stroke techniques.

**Note:** As you cut your fabric layers, we recommend making the quilt backing about 12" longer and 2-4" wider than your top. This will allow for a little give in the backing, especially if using thicker batting.

### Fabric installation

Installing Fabric Layers onto the Rails (Preview): Center your cloth lengthwise along the rail. Using Grace's Fabri-Fast™ System, take a piece of plastic tubing (you should cut the tubing to 56 inches if you have your frame set up in the crib size), and holding your fabric over the slot (lining up the edge), press the tubing over the fabric and into the slot. Use the Fabri-Fast tool to press the rest of the tubing and fabric in quickly and easily.

**Methods of Installation:** The tow methods of installation are either to apply fabric layers directly to the rails or using Cloth Leaders.

**Overview:** This is an outline to show which fabric layer goes onto each rail, and the direction that each rail should rotate.

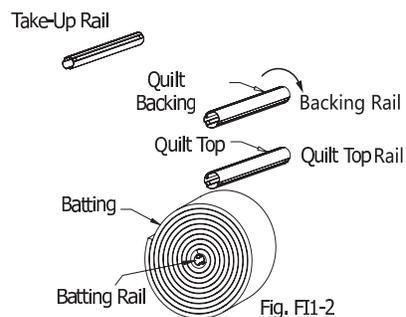
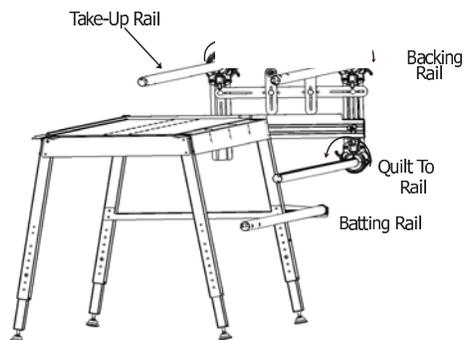
- Step 1: Install Batting to Batting Rail and roll up.
- Step 2: Install Quilt Top to the Quilt Top Rail and roll up.
- Step 3: Install Backing to Backing Rail and roll up.
- Step 4: Attach Quilt Layers to Take-up Rail.

### Step 1: Batting

**Note:** A light, bonded batting is recommended.

**1-1:** Center the batting on the batting rail and attach one end of the batting using the fabri-fast tubing. (Note: Fabri-Fast tubing will work with most batting, however, if the batting is too thick to squeeze into the slot, you may tape the batting to the rail to keep it in place).

**1-2:** Roll the batting onto the rail. The direction that you roll the batting doesn't matter. The important thing to watch when rolling the batting is that the batting is not stretched. Always keep the ratchet lever on the batting rail in the neutral position (Right or Left Side) to prevent any tension from being applied to the batting (see Fig. FI 1-1).



## Step 2: Quilt Top to Quilt Top Rail

**2-1:** Determine which end of your quilt will be the front.

**2-2:** Place the quilt top onto the table surface with its finished side facing up. Line up the center of your fabric layer with the center of the Quilt Top Rail. Attach the back edge of your quilt top to the Quilt Top Rail. This is to be done with the finished side of the fabric facing up. Do not stretch or pull the fabric during this process.

**2-3:** Make sure that the Quilt Top Rail's Locking Switch is not locked and ratchets as it rolls. This will ensure you roll the fabric in the correct direction. Roll your quilt top onto the Quilt Top Rail completely. Again, be sure the fabric stays lined up. Smooth out any wrinkles as you roll by brushing the fabric from the center out, being very careful not to stretch or pull the fabric excessively

## Step 3: Quilt Backing To Backing Rail

**3-1:** To begin, determine which will be the front and back edge of your quilt backing. (Your quilt can't exceed (110" wide) the maximum quilt width of your Quilting Frame. Your quilts Length is only limited by the size of the throat of your sewing machine.)

**Note:** If your backing is made up of more than one piece of fabric, cut your selvages off and flatten out the seams with an iron to allow the backing the proper give it needs.

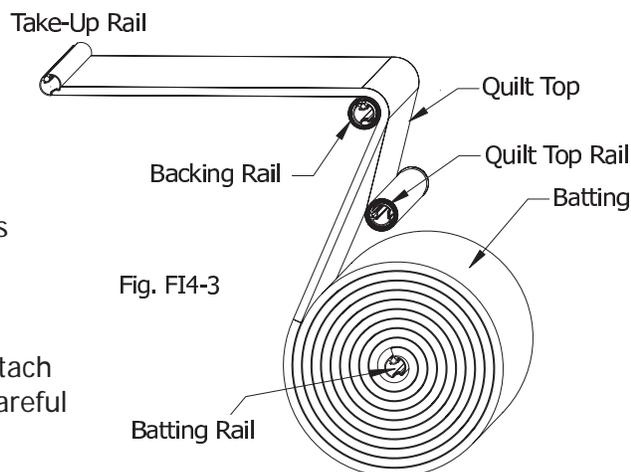
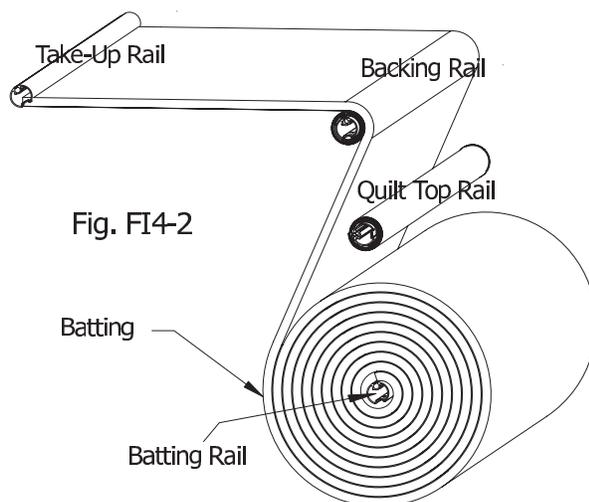
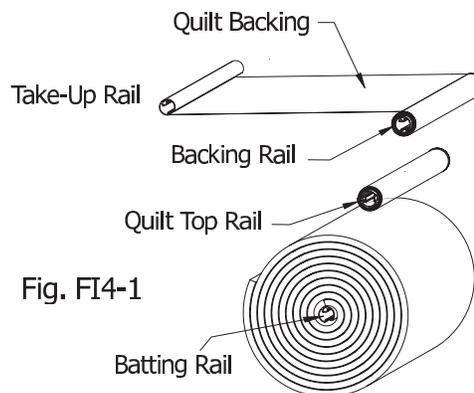
**3-2:** Place your quilt backing onto the table surface good side down. Line up the center of your backing with the center of the Backing Rail. Attach the backing with its finished side of the fabric facing the rail do not stretch or pull the fabric during this process. Let it lie as naturally as possible.

**3-3:** Make sure that Backing Rail's Locking Switch is not locked, and ratchet as it rolls. This will ensure you roll the fabric in the correct direction. Roll your backing onto the Backing Rail (see Fig. FI 1-1) completely. Watch to make sure the fabric stays lined up. Smooth out any wrinkles as you roll by bunching the fabric from the center out. However be very careful not to stretch or pull the fabric excessively.

## Step 4: Attaching Quilt Layers to the Take-Up Rail (See Fig. FI4-4).

**4-1:** Put the Take-Up Rail's Ratchet Locking switch into the lock position, to ensure that it always rotates in the correct direction.

**4-2:** Put the Backing Rail's Locking switch so it is locked. Now take the end of the quilt backing and attach it to the Take-Up Rail with the fabri-fast tubing. Be careful to not stretch your fabric. Put the Locking



switch back to the unlocked position, and roll the backing rail to apply just enough tension to the Backing fabric to keep the fabric flat. The fabric should be loose, but not sagging. (See Fig. FI 4-1).

**4-3:** Next, bring your Batting up in between the Quilt Top Rail and Backing Rail and drape it over the Backing. Lay it along the edge of the Take-Up Rail (See Fig. FI4-2).

**4-4:** Put the Quilt Top's Locking Switch into the Locked position. Now, bring the edge of the Quilt Top up over the Backing and Batting and lay it over the batting along the Take-Up Rail. Pin your Top and Batting to the Backing, in a straight line along the edge of the Take-Up Rail. You may also baste the edge with your sewing machine (See Fig. FI4-3). Put the Quilt Top's ratchet back into the unlocked position. You are now ready to sew your desired patterns onto your quilt.

## Rolling your Fabric

When you have completed quilting your work area and are ready to roll to the next, simply switch the Quilt Top, and Backing Ratchets into the locked position, allowing them to roll freely. The Batting ratchet should already be in the Neutral position. Roll the Take-Up Rail forward, rolling the sewn quilted areas onto that rail. After you have advanced your quilt to the next location, switch each Rail's Ratchet Locking Switch back to the unlocked position except the batting rail, and re-apply just enough tension to hold the fabric up without sagging, and without stretching the fabric.

**TIP!** As you roll the quilt forward, the quilt will accumulate on the Take-Up Rail. Raise the Take-Up Rail Mount End as needed, so that the bottom of the rolled fabric stays about 1/16" above the sewing machine base. Failing to do so will cause your Carriage Assembly to roll less smoothly.

## Turning Quilt Around

(This will enable you to quilt the entire quilt surface when quilting a large quilt with a small sewing machine or when using very thick batting.)

**Step 1:** Begin pin basting your quilt when the quilt rolled up onto the Take-Up Rail is larger than desired. Pin-baste all of the remaining un-quilted material.

**Step 2:** Detach the individual layer of fabric from their rails (Backing, Top, and Batting) and roll them up onto the Take-Up Rail. (Keep the quilt attached to the Take-Up Rail.)

**Step 3:** Remove the Quilt top Rail. Remove to support the rail to prevent the Rail Ends from being broken. Temporarily place the rail on the floor in front of your quilting frame. (We recommend having someone help you with this step and step 4.)

**Step 4:** Remove the Take-Up Rail (with quilt rolled onto it) and put it into the Front Rail Mount End where the Quilt Top Rail was located. Now put the other empty rail in the Take-Up Rail, using the Fabri-Fast Tubing.

Fig. FI4-4

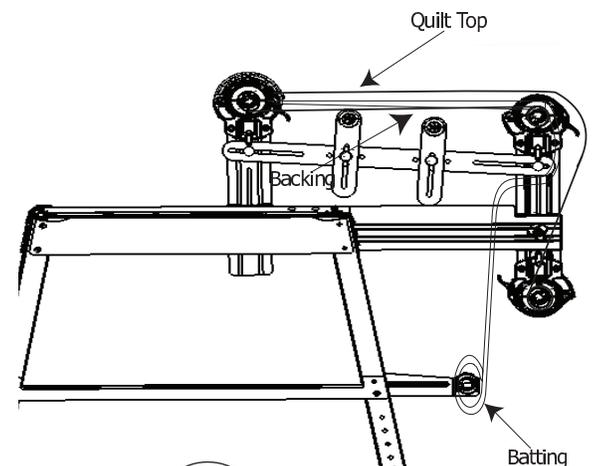
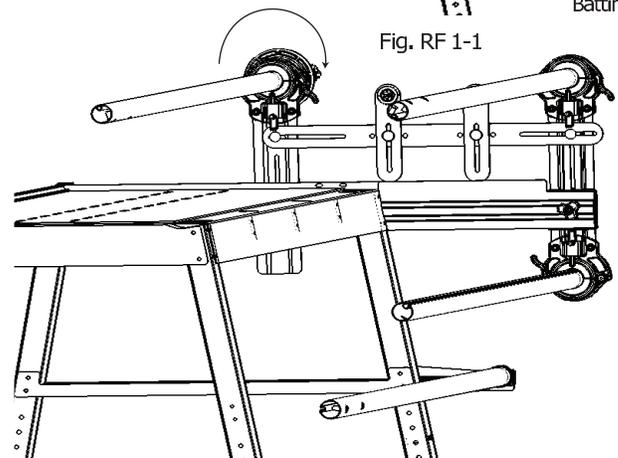


Fig. RF 1-1



**Step 6:** Roll the quilt off of the new Quilt Top Rail, onto the New Take-Up Rail until it has reached the area of the quilt where you began basting.

**Step 7:** Place the Ratchet Switch on the Quilt Top Rail to the locked position and roll the rail back to add a little less tension to your fabric. You are now ready to begin quilting again.

**Note:** As you advance to the next area, roll the fabric off the Take-Up Rail and out of the throat of the sewing machine by putting the Take-Up Rail's Ratchet switch to the locked position and rolling the Quilt Top Rail. Your finished quilt will now be rolled up onto the Quilt Top Rail at the front of the frame rather than onto the Take-Up Rail.

## Making Cloth Leaders

1: First, select your cloth leader material. We recommend using a good quality muslin or similar fabric that has a good thread count. Be aware, however, that if the fabric is too thick, it may prove more difficult to install into the rail slot.

2: Surge or hem your cloth leaders on all sides

3: Make cloth leader in the following widths:

Take-Up Rail Leader- 4 inches

Backing Leader- 18 inches

Quilt Top Leader- 24 inches

The recommended length is 110". This length will accommodate any width of quilt that can be made on your Quilting Frame.

4: Make a dashed line along the length of your leader about 1/2" in from the edge with a pen or marker. You will use this as a guide to help you insert your leader into the slot in a straight line. (Optional: for straighter cloth leader installation, some may consider it easier to make a hem and then push the tubing into the hem before installing it into the slot. Leave the edges open on both ends. You may then slide your tubing into the hem, Fig. CL 1-1)

5: Mark each cloth leader at the center (length wise).

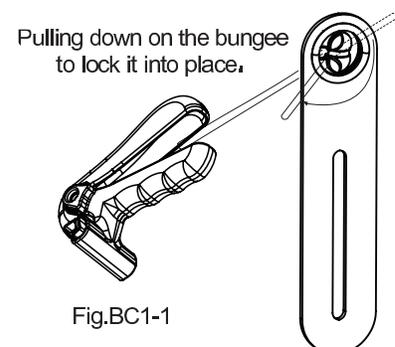
6: Mark (or baste) a straight line about 1/2" in from the opposite (non-hemed, or non-dashed) end of the leader. This will be the line to which you attach your fabric layer.

7: Center your cloth leader lengthwise along the rail. Using Grace's Fabri-Fast™ System, take a piece of plastic tubing (cut to the appropriate length), and, holding your cloth leader to the slot (lining up the dashed line), press the tubing over the leader and into the slot. Use the Fabri-Fast tool to press the rest of the tube and fabric in quickly and easily. (If you have made a hem, line up the hem with the tubing over the slot and press it into the slot using the Fabri-Fast tool.

8: With Cloth Leader in place, pin your Quilt Fabric to the Leader, rather than attaching it directly to the Rails.

## Bungee Clamp Installation

There are four Bungee Clamps provided with your Majestic Quilting Frame. The Bungee Clamps allow you to easily add side tension to your quilt fabric. Clip your bungee Clamps to the quilt fabric, then insert the loose end of the Bungee Cord through the Bungee Holder than loop the bungee cord back into the Bungee Holder and pull it down to lock it into place, as shown in Fig. BC1-1.



## Optional Accessories

There are many optional accessories available for your Steel Quilting Frame. Check with your dealer or visit [www.graceframe.com](http://www.graceframe.com) to see all of the accessories available, as new items are being developed regularly.

## Sewing 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.
- You will need 4-5 bobbins to quilt a small sized quilt (less than a queen).
- Make sure to turn off your sewing machine nay time you leave your quilting room.
- 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.