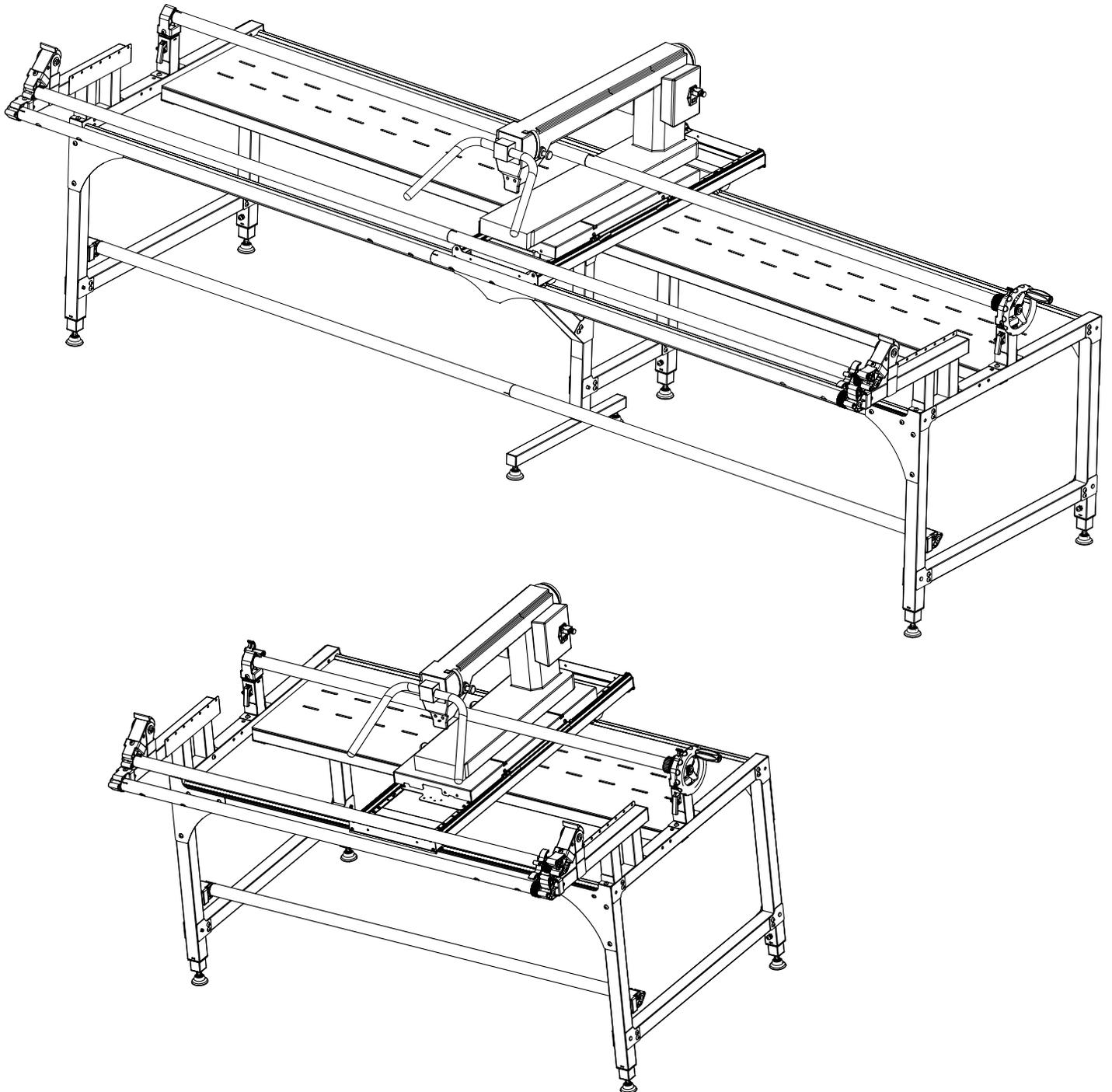


The Artistic Freedom

Professional Quilting Frame



The Artistic Freedom Professional Quilting Frame

Parts List

Box 1.....	3
Box 2.....	4
Box 3.....	5
Hardware.....	5
Tools.....	5

Assembly Steps

Step 1 - Height Adjustable Leg Assembly.....	6
Step 2 - Side Assembly.....	6
Step 3 - Middle Assembly.....	7
Step 4 - Table Top To Side.....	7
Step 5 - Attach Middle Leg Assembly.....	7
Step 6 - Connect Front Bar.....	8
Step 7 - Attach Support Plates.....	8
Step 8 - Take Up Rail Bar.....	8
Step 9 - Attach Front Rail Support.....	9
Step 10 - Track Support Assembly.....	9
Step 11 - Track Insertion.....	9
Step 12 - Track Support Installation.....	10
Step 13 - Track Alignment.....	10
Step 14 - Plastic Table Installation.....	10
Step 15 - Rail End Cap Assembly.....	11
Step 16 - Rail Connection.....	11
Step 17 - Rail Installation.....	12
Step 18 - Pattern Perfect Bracket Installation.....	12
Step 19 - Placing Machine.....	12

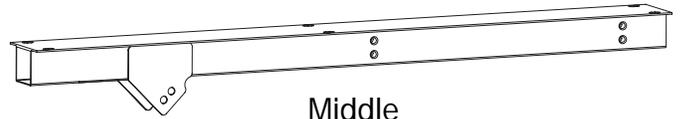
Fabric Installation

Fabric Installation Over View.....	13
Leader Cloth Installation Instructions.....	13
Installing Fabric Onto Rails.....	13
Step 1 - Quilt Backing to 2nd rail.....	14
Step 2 - Quilt top to 3rd rail.....	14
Step 3 - Batting.....	15
Step 4 - Attaching Quilt Fabric To Take Up Rail.....	15
Rolling Quilt Fabric.....	15
Bungee Clamp Installation.....	15
Leader Cloth Instructions.....	16

Box 1



Right Side
Top Bar(1)



Middle
Top Bar(1)



Left Side
Top Bar(1)



Middle
Angled Bar(1)



Middle
Bottom Bar(1)



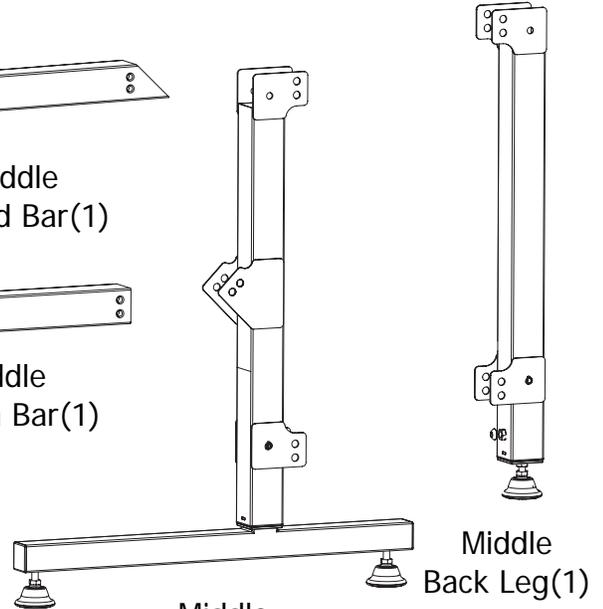
Side Bottom
Bar(2)



Cloth Leaders (1)

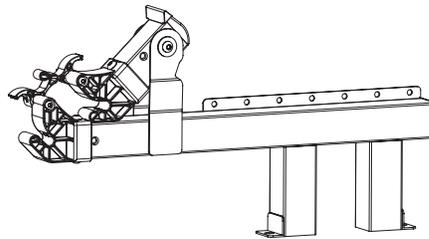


Laser (1)

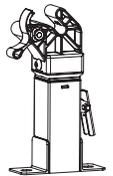


Middle
Front Leg(1)

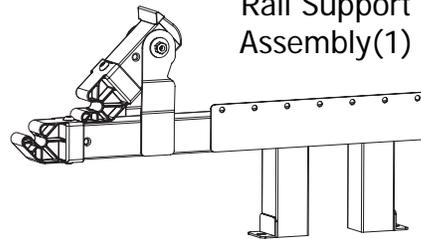
Middle
Back Leg(1)



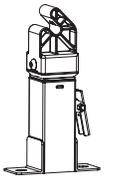
Right Front
Rail Support
Assembly(1)



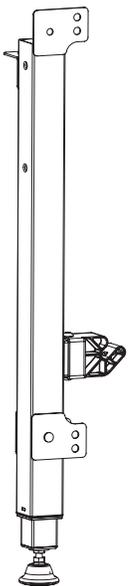
Right Take Up
Rail Bar(1)



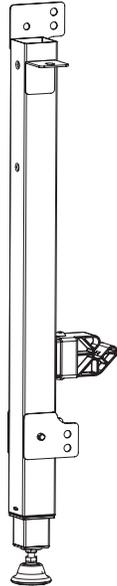
Left Front
Rail Support
Assembly (1)



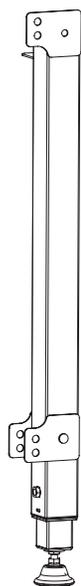
Left Take Up Rail
Bar(1)



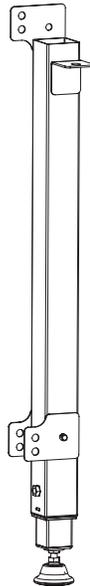
Front Right
Side Leg(1)



Front Left
Side Leg(1)



Back Right
Side Leg(1)



Back Left
Side Leg(1)



Ratchet (3)



Take Up Rail
Wheel Assembly (1)



Rail End
Cap (7)

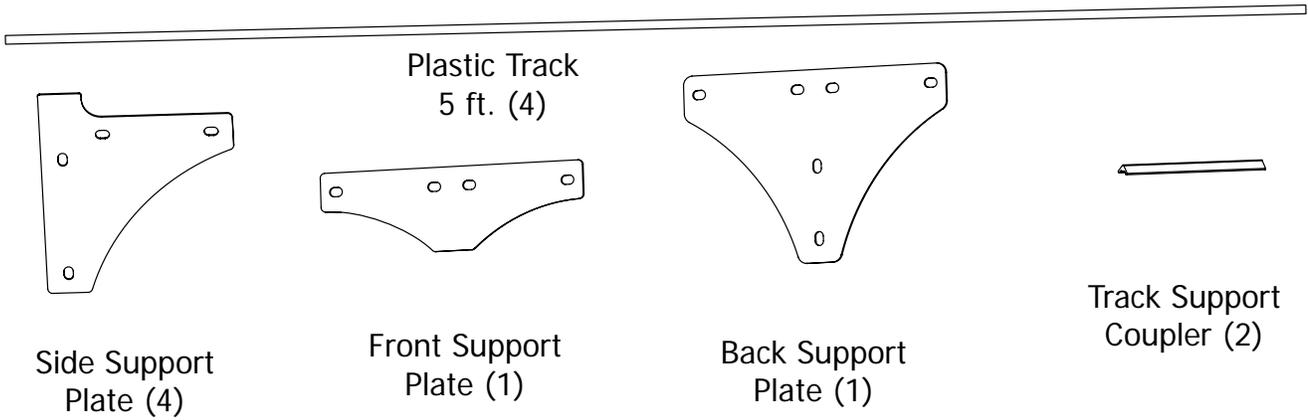
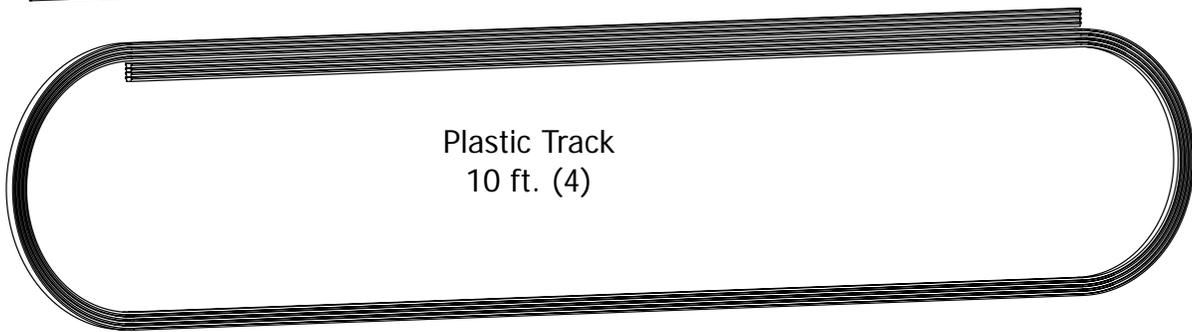
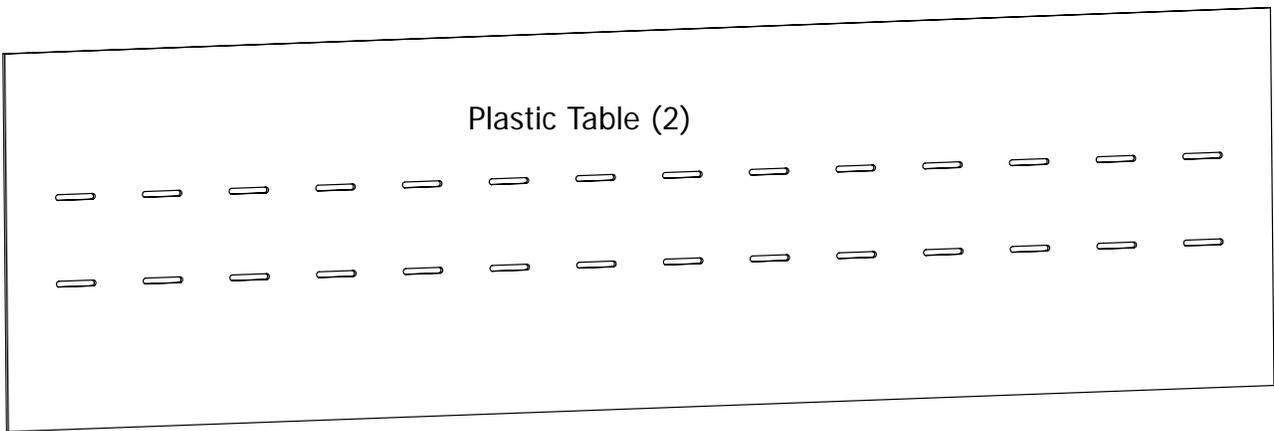
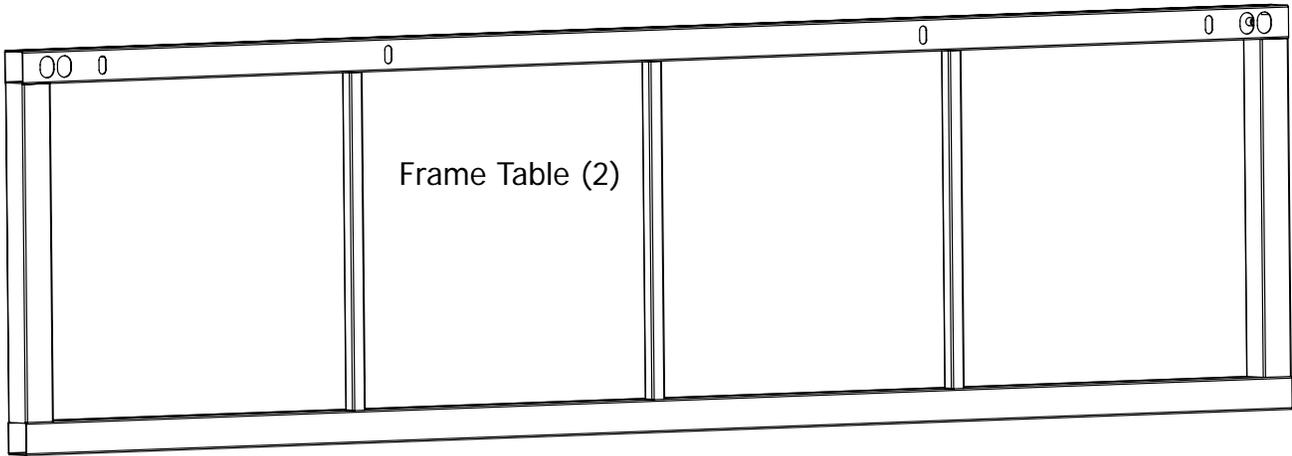


Bungee
Clamps (4)

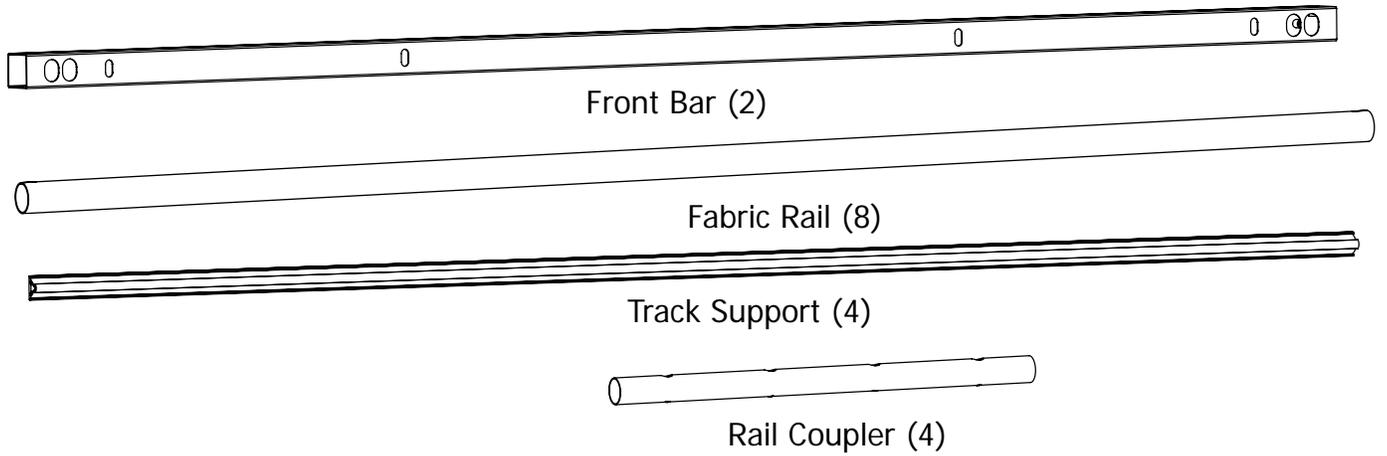


Bungee Stops
(4)

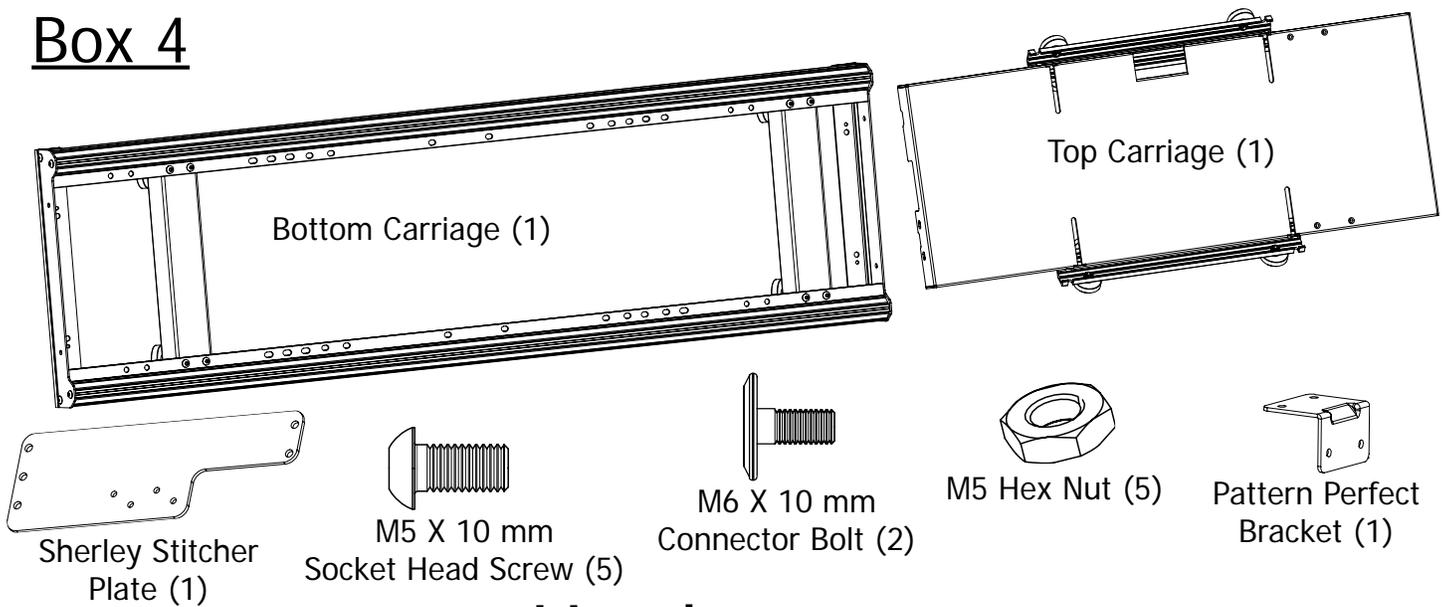
Box 2



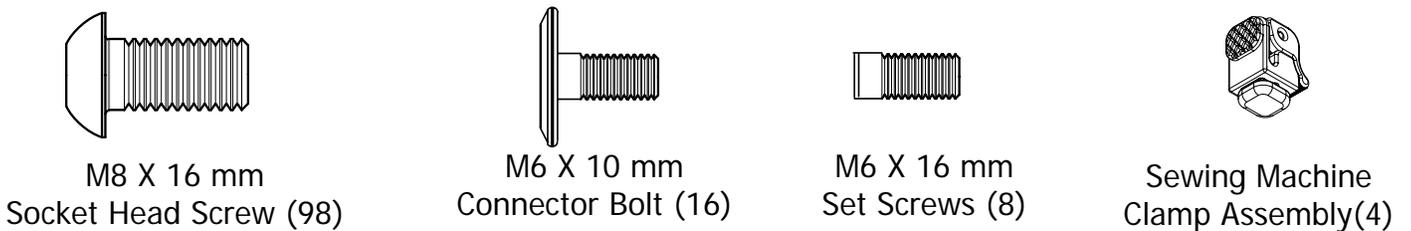
Box 3



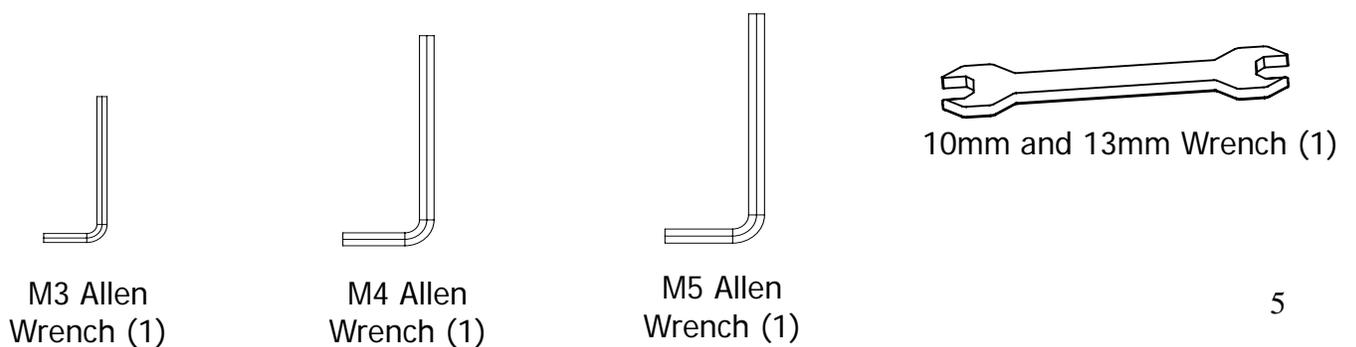
Box 4



Hardware (in Box 1)



Tools



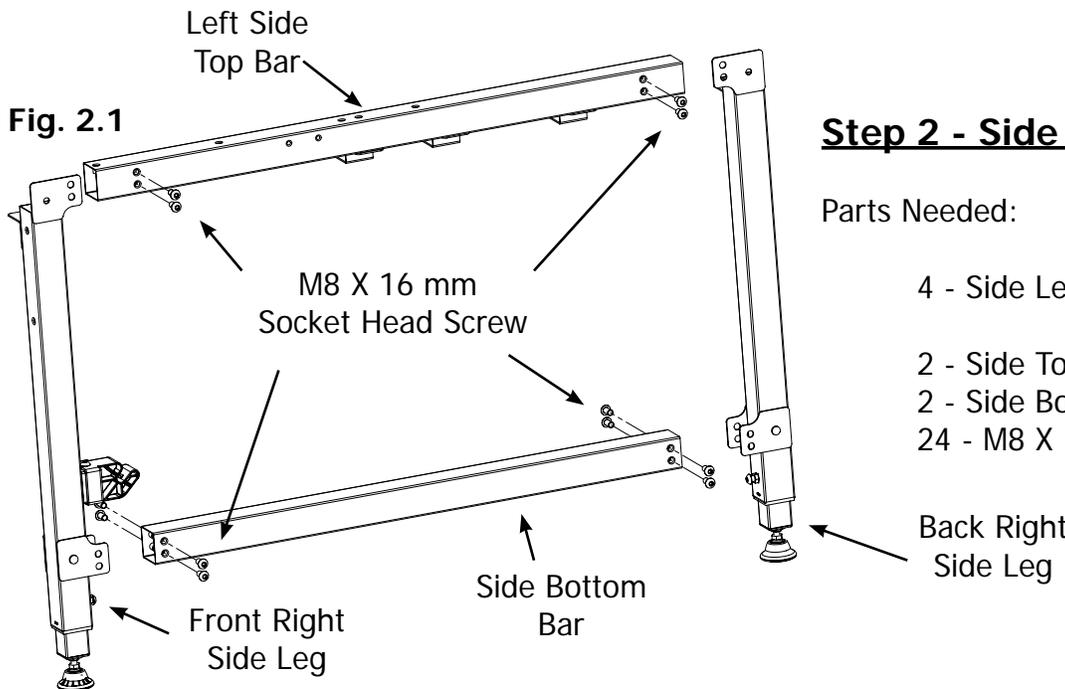
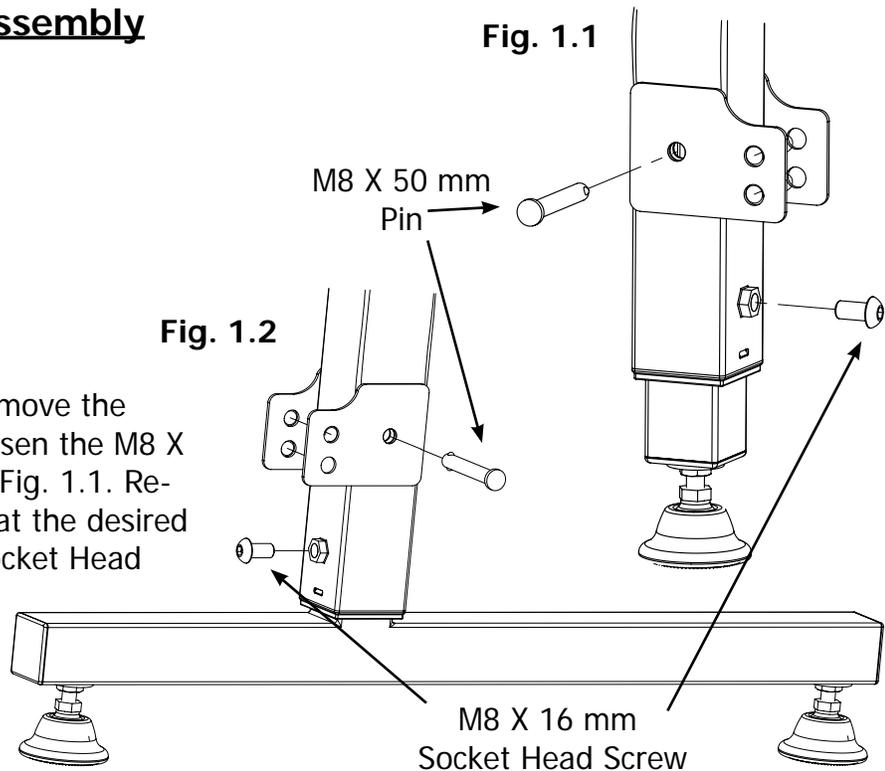
Step 1 - Height Adjustable Leg Assembly

Parts Needed:

- 4 - Side Leg
 - 1 - Middle Front Leg*
 - 1 - Middle Back Leg*
- (* for King Size only)

1-1: To adjust the height of the leg, remove the pre-assembled M8 X 50 mm Pins and loosen the M8 X 16 mm Socket Head Screw, as shown in Fig. 1.1. Re-insert the M8 X 50 mm Pins into the leg at the desired height. Then tighten the M8 X 16 mm Socket Head Screw.

1-2: Repeat Step 1-1 for all other legs.



Step 2 - Side Assembly

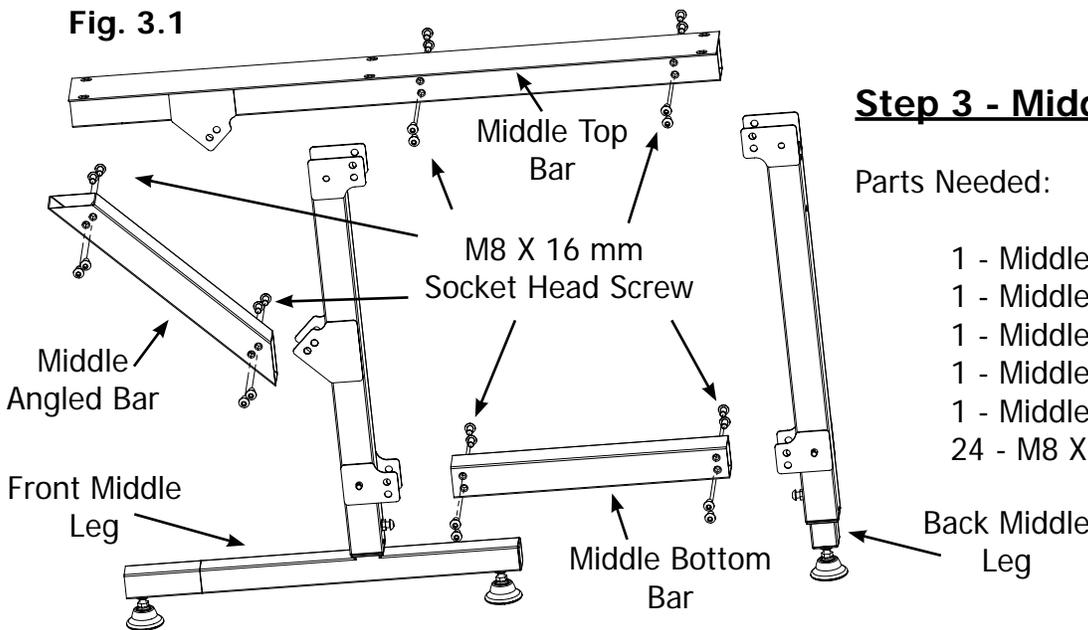
Parts Needed:

- 4 - Side Leg (Front Left, Front Right, Back Left, and Back Right)
- 2 - Side Top Bar (Right and Left)
- 2 - Side Bottom Bar
- 24 - M8 X 16 mm Socket Head Screw

2-1: To create the Right Side Assembly, connect (1) Front Right Side Leg, (1) Back Right Side Leg, (1) Right Side Top Bar, and (1) Side Bottom Bar using (12) M8 X 16 mm Socket Head Screws, as shown in Fig. 2.1.

2-2: Repeat Step 2-1 using (1) Front Left Side Leg, (1) Back Left Side Leg, (1) Left Side Top Bar, (1) Side Bottom Bar, and (12) M8 X 16 mm Socket Head Screws.

Fig. 3.1



Step 3 - Middle Assembly

(For King Size only)

Parts Needed:

- 1 - Middle Top Bar
- 1 - Middle Angled Bar
- 1 - Middle Front Leg
- 1 - Middle Back Leg
- 1 - Middle Bottom Bar
- 24 - M8 X 16 mm Socket Head Screw

3-1: Assemble (1) Middle Top Bar, (1) Middle Angled Bar, (1) Middle Front Leg, (1) Middle Back Leg, (1) Middle Bottom Bar, as shown in Fig. 3.1.

3-2: Lock down the Middle Assembly using (24) M8 X 16 mm Socket Head Screws.

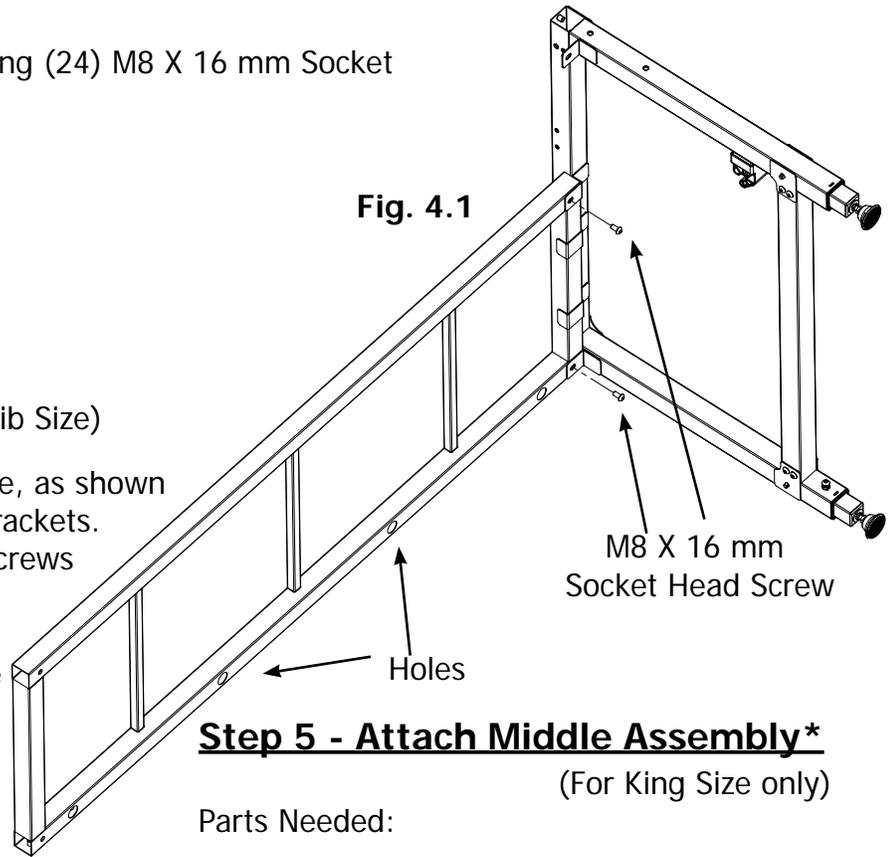
Step 4 - Table Top to Side

Parts Needed:

- 4 - M8 X 16 mm Socket Head Screw
- 1 - Right Side Assembly
- 1 - Left Side Assembly
- 2 - Frame Table* (1 Frame Top for Crib Size)

4-1: Lay the Side Assemblies on their side, as shown in Fig. 2.1. Slide the Frame Table in the brackets. Then use (2) M8 X 16 mm Socket Head Screws to connect the Right Side Assembly to the Frame Table. Make sure the side of the Frame Table with the holes is touching the floor, as shown in Fig. 4.1.

Fig. 4.1



Step 5 - Attach Middle Assembly*

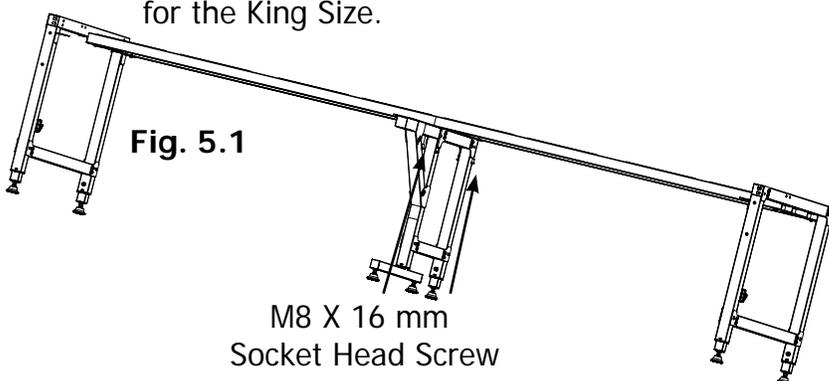
(For King Size only)

Parts Needed:

- 4 - M8 X 16 mm Socket Head Screw
- 1 - Right Side Assembly with Frame Table
- 1 - Left Side Assembly with Frame Table
- 1 - Middle Assembly

5-1: With your Left and Right Side Assemblies still on their sides, place the Middle Leg Assembly at the joint and attach it to the Frame Tables with (4) M8 X 16 mm Socket Head Screws, as shown in Fig. 5.1.

Fig. 5.1



Step 6 - Connect Front Bar

Parts Needed:

- 4 - M8 X 16 mm Socket Head Screw*
- 2 - Front Bar*
- * (2 Screws and 1 Front Bar for Crib Size)

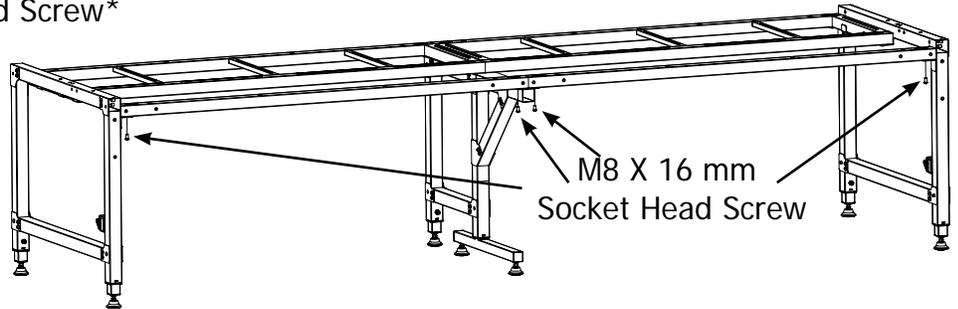


Fig. 6.1

6-1: With assistance, tilt the Table into a standing position. Now place (2) Front Bars at the front of the frame with the slotted holes on top, and attach to the frame using (4) M8 Socket Head Screws, as shown in Fig. 6.1.

Note: For Crib attach one Front Bar to both sides and not the middle.

Step 7 - Attach Support Plates

Parts Needed:

- 26 - M8 X 16 mm Socket Head Screw*
- 4 - Side Support Plate
- 1 - Back Support Plate*
- 1 - Front Support Plate*
- * (no Back or Front Support Plate and only 16 Screws in Crib Size, skip Step 7-2, for Crib Size)

7-1: Attach (4) Side Support Plates to the corners of the frame using (16) M8 X 16 mm Socket Head Screws, as shown in Figure 7.1.

7-2: Attach the Back Support Plate to the back of the Middle Leg Assembly of the frame in the back using (6) M8 X 16 mm Socket Head Screws. Attach the Front Support Plate to the front using (4) M8 X 16 mm Socket Head Screws.

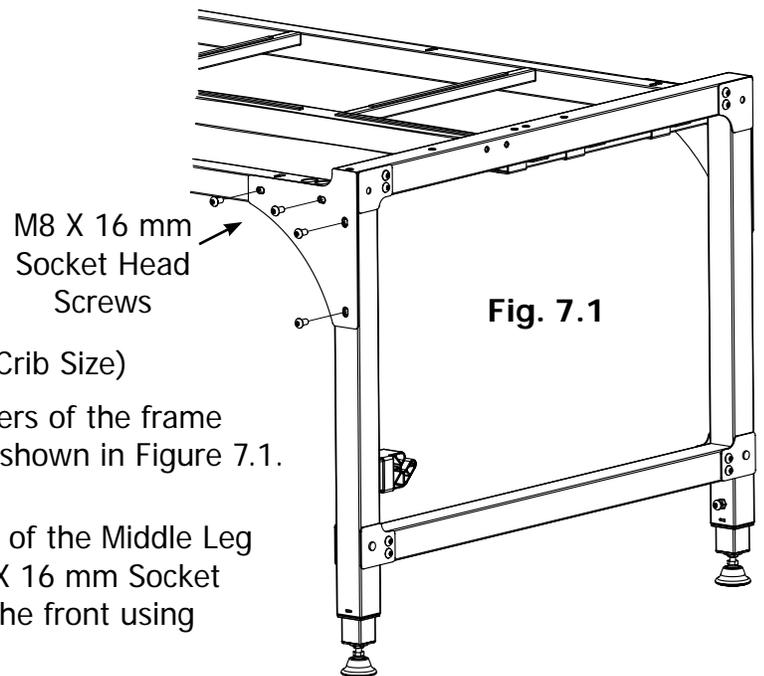


Fig. 7.1

Step 8 - Attach Take Up Rail Bar

Parts Needed:

- 1 - Right Take Up Rail Bar
- 1 - Left Take Up Rail Bar
- 4 - M8 X 16 mm Socket Head Screw

8-1: Attach (1) Right Take Up Rail Bar to the Right Side Assembly using (2) M8 X 16 mm Socket Head Screws, as shown in Fig. 8.1.

8-2: Repeat Step 8-1 for the left side of the frame.

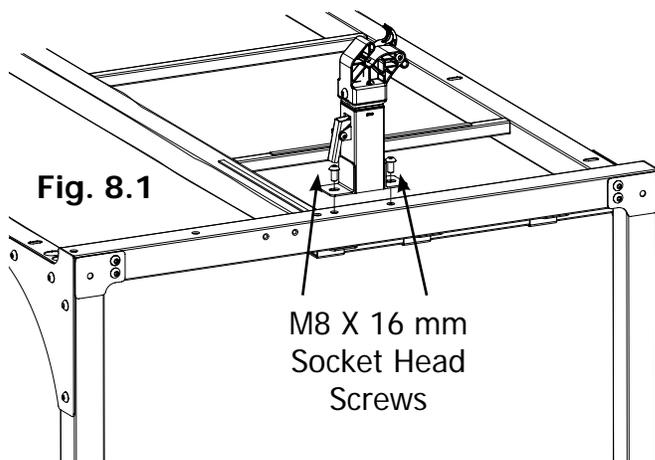


Fig. 8.1

M8 X 16 mm
Socket Head
Screws

Step 9 - Attach Front Rail Support

Parts Needed:

- 8 - M8 X 16 mm Socket Head Screw
- 1 - Right Rail Support Assembly
- 1 - Left Rail Support Assembly

9-1: Using (4) M8 X 16 mm Socket Head Screws attach the Right Front Rail Support Assembly to the right front corner of the frame using the corresponding holes for your machine as shown in Fig. 9.1 for the 26" Machine or Fig. 9.2 for the 18" Machine.

9-2: Repeat Step 9-1 for Left Front Rail Support Assembly.

Fig. 9.1

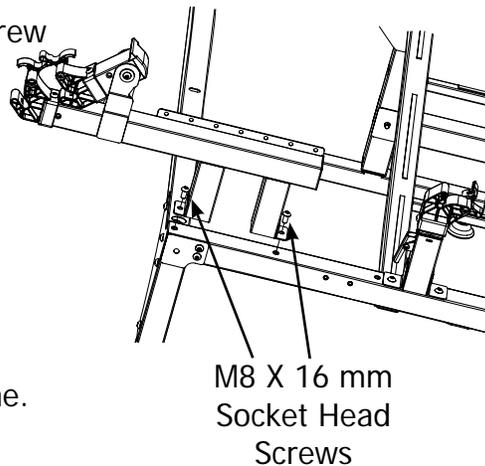
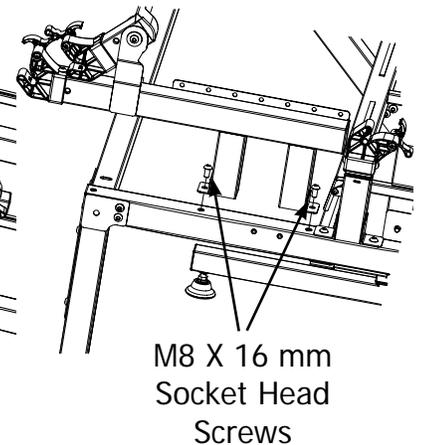


Fig. 9.2

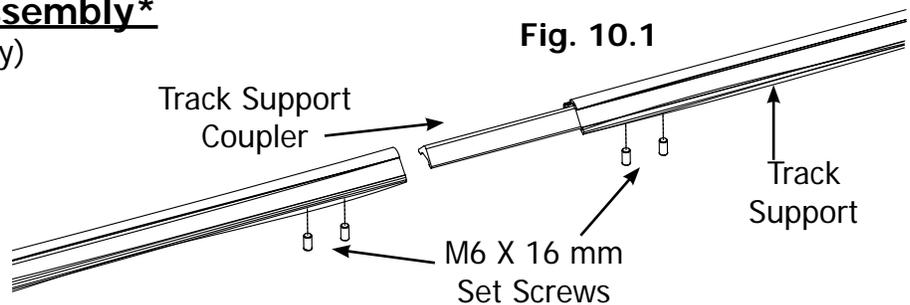


Step 10 - Track Support Assembly*

(For King Size only)

Parts Needed:

- 8 - M6 X 16 mm Set Screw
- 4 - Track Support
- 2 - Track Support Coupler



10-1: Slide a Track Support Coupler into a Track Support so that half of it is exposed. Lock the Coupler in place by using (2) M6 X 16 mm Set Screws.

10-2: Slide another Track Support over the rest of the Track Support Coupler and then lock the Coupler in place by using (2) M6 X 16 mm Set Screws, as shown in Fig. 10.1.

10-3: Repeat Steps 1 and 2 to create another Track Support Assembly.

Step 11 - Track Insertion

Parts Needed:

- 2 - Track Support Assembly
- 4 - Plastic Track* (for King Size)
- 4 - 5 ft. Plastic Track* (for Crib Size)

11-1: Slide (2) Plastic Tracks into the grooves of the Track Support Assembly, as shown in Figure 11.1.

11-2: Repeat Step 11-1 for the remaining Track Support Assembly.

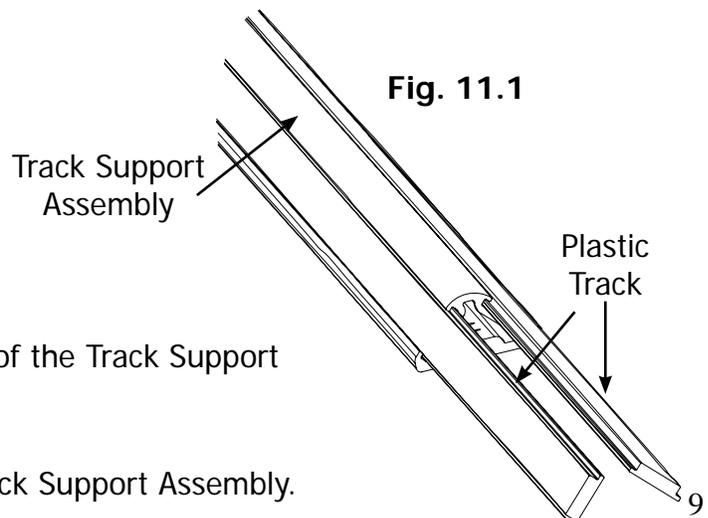
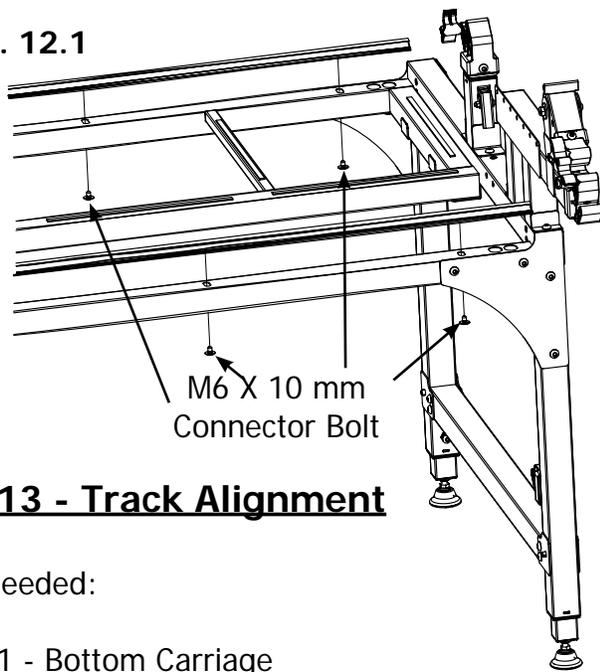


Fig. 12.1



Step 12 - Track Installation

Parts Needed:

- 2 - Track Support Assembly
- 16 - M6 X 10 mm Connector Bolt*

*(only 8 Connector Bolts for Crib Size)

12-1: Lay one of the Track Support Assemblies on the front and one on the back of your frame.

12-2: Thread an M6 X 10 mm Connector Bolt into each of the holes, as shown in Figure 12.1. Do not completely tighten the bolts at this time.

12-3: Slide the Track Support Assembly on the back of the Frame as far to the back as possible.

Step 13 - Track Alignment

Parts Needed:

- 1 - Bottom Carriage

13-1: Place the Bottom Carriage on the tracks and slide it across the frame. Adjust the tracks so they line up with the wheels and the Bottom Carriage, as shown in Fig. 13.1. This allows your carriage to glide smoothly across the frame during quilting.

13-2: Once the track is lined up, tighten the M6 X 10 mm Connector Bolts under the track until they are tight and the track can not be moved. Remove the Bottom Carriage until later.

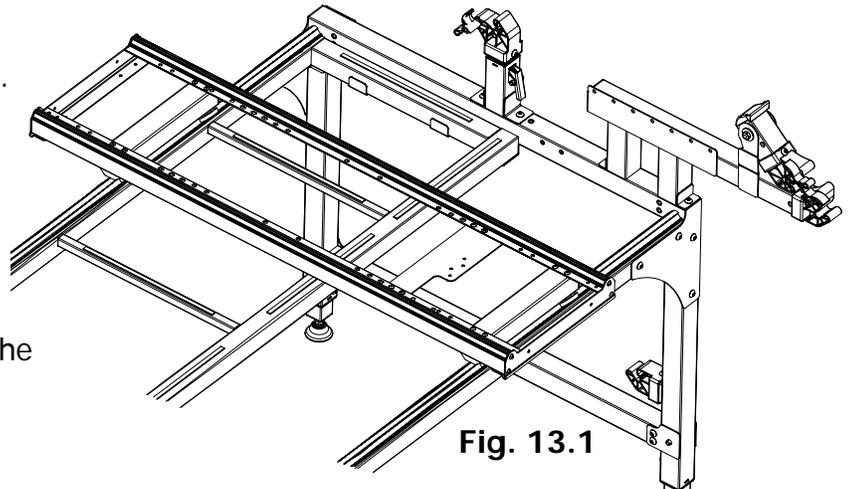


Fig. 13.1

Step 14 - Plastic Table Installation

Parts Needed:

- 2 - Plastic Table*
- *(Only (1) Plastic Table is needed for Crib Size)

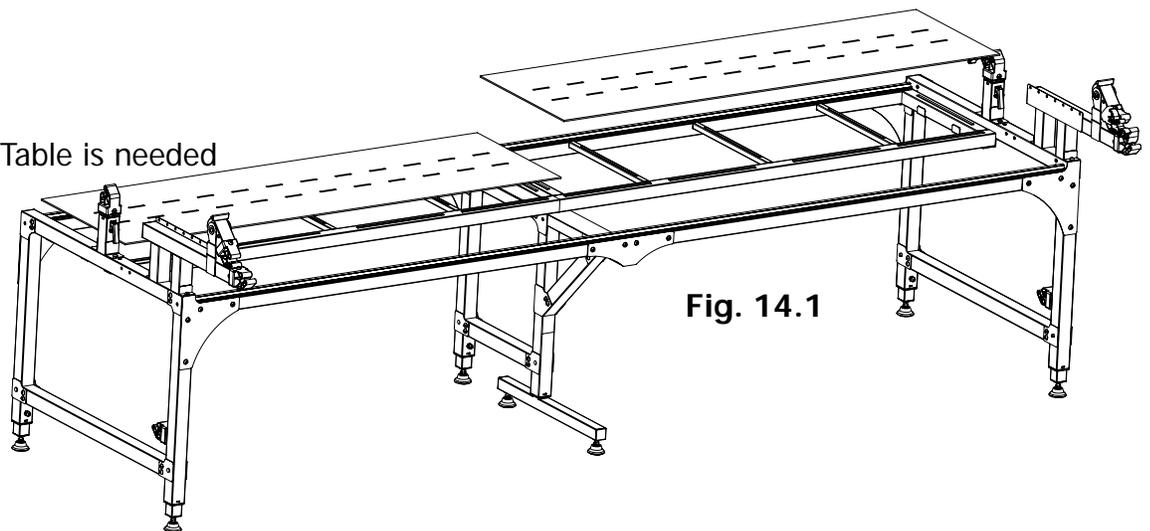


Fig. 14.1

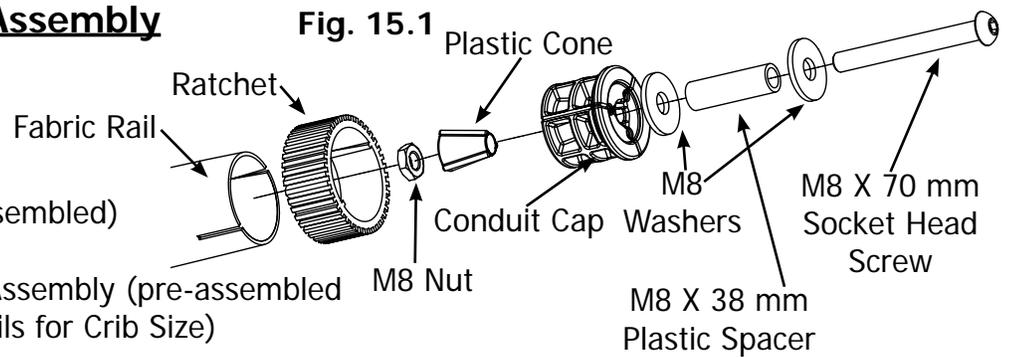
14-1: Lay the Plastic Table against the back Track Support and against one side of the frame, over the foam strips, as shown in Fig. 14.1.

14-2: Lay the other Table against the back Track Support and against the other side of the frame.

Step 15 - Rail End Cap Assembly

Parts Needed:

- 8 - Fabric Rail*
- 7 - Rail End Cap (pre-assembled)
- 3 - Ratchet
- 1 - Take Up Rail Wheel Assembly (pre-assembled)
- * (Only use (4) Fabric Rails for Crib Size)

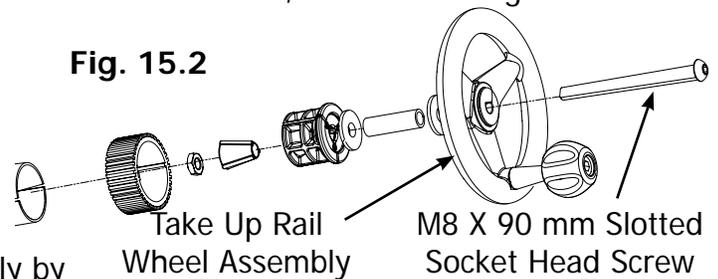


Note: For Crib size make one Rail with only Rail End Caps on each side, two with only a Rail End Cap on one side and a Rail End Cap with a Ratchet on the other, and one Rail with a Rail End Cap on one side and the Take Up Rail Wheel Assembly with a Ratchet on the other side.

15-1: Slide (3) Ratchets on (3) Fabric Rails, matching the ridges in the Ratchet with the groves in the Fabric Rail. Rail End Caps come assembled. Steps 15-2, 15-3 and 15-5 are for changing to Crib or King after frame has been assembled and can otherwise be skipped.

Note: If a Rail End Cap is disassembled, place the M8 Nut into the back of the Conduit Cap and slide the M8 X 70 mm Socket Head Screw through the M8 Washer, M8 X 38 mm Plastic Spacer, another M8 Washer, and Conduit Cap, then lightly tighten the screw into the M8 Nut, as shown in Fig. 15.1.

15-2: Slide (6) Rail End Caps into the ends of (2) Fabric Rails with Ratchets and (5) Fabric Rails without Ratchets. Tighten the Socket Head Screws.



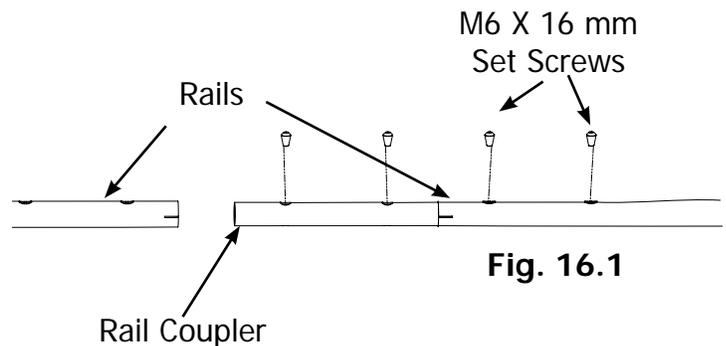
Note: If the Take Up Rail Wheel Assembly is disassembled make the Take Up Rail Wheel Assembly by using the M8 X 90 mm Slotted Socket Head Screw followed by the Wheel Assembly, M8 Washer, M8 X 38 mm Steel Spacer, another M8 Washer, and Conduit Cap with the M8 Nut placed in back, as shown in Fig. 15.2. Firmly tighten the Assembly and place it into the last Rail with the Ratchet. Finish by tightening the M8 X 90 mm Slotted Socket Head Screw.

Step 16 - Rail Connection*

(For King Size only)

Parts Needed:

- 1 - Fabric Rail Assembly with Hand Wheel
- 5 - Fabric Rail Assembly without Ratchet
- 2 - Fabric Rail Assembly with Ratchet
- 4 - Rail Coupler
- 16 - M6 X 16 mm Set Screw (pre-installed)



16-1: Slide a Rail Coupler into the open end of a Fabric Rail Assembly with a Ratchet and line the holes up. Use (2) M6 X 16 mm Set Screws to tighten the Rail to the Coupler, as shown in Fig. 16.1.

16-2: Slide a Fabric Rail Assembly without a Ratchet on the other end of the coupler. Again, line up the holes and tighten (2) M6 X 16 mm Set Screws into the Coupler through the Rail.

16-3: Repeat Steps 16-1 and 16-2 until you have three Fabric Rail Assemblies and then make the fourth assembly using (2) Fabric Rail Assemblies without Ratchets for the batting rail.

Step 17 - Rail Installation

Parts Needed:

- 1 - Fabric Rail Assembly without Ratchet
- 2 - Fabric Rail Assembly with Ratchet
- 1 - Fabric Rail Assembly with Hand Wheel

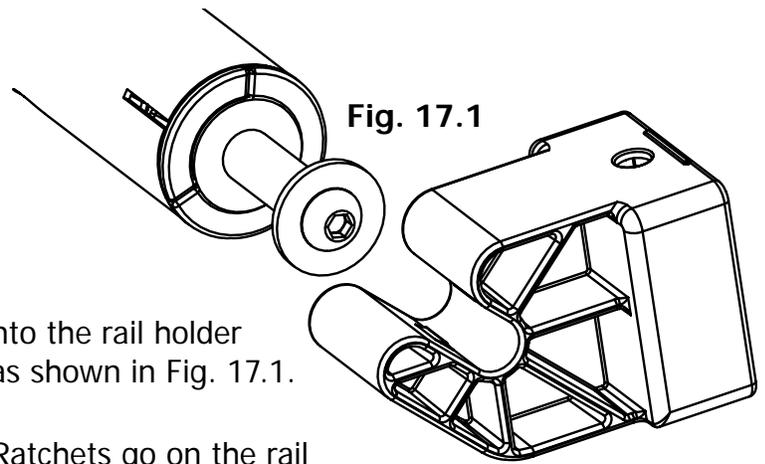


Fig. 17.1

17-1: Place the Fabric Rail without a Ratchet into the rail holder on the bottom of the frame for the batting rail, as shown in Fig. 17.1.

17-2: The (2) Fabric Rail Assemblies with the Ratchets go on the rail holders on the front of the frame with the ratchets going on the right side of the frame, as shown in Fig. 17.2.

17-3: The Fabric Rail Assembly with the Hand Wheel goes in the rail holders on the top back of the frame with the hand wheel on the right side of the frame.

17-3: The Rails will Roll in the direction, as shown in Fig. 17.2.

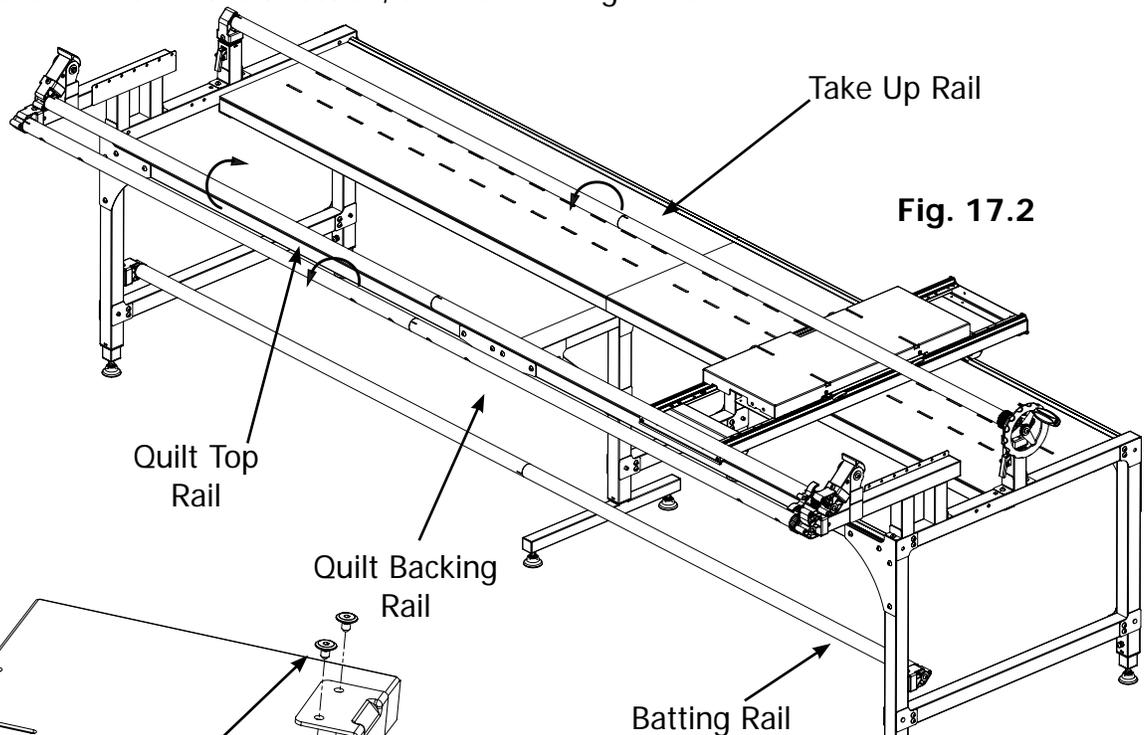
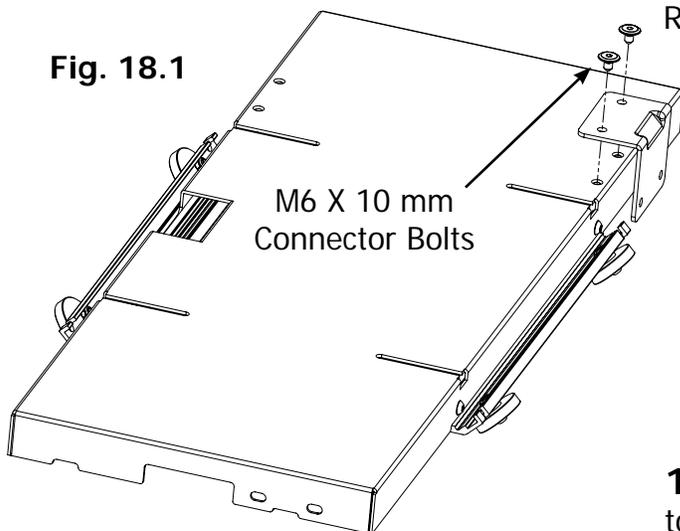


Fig. 17.2

Fig. 18.1



M6 X 10 mm
Connector Bolts

Step 18 - Pattern Perfect Bracket Installation (Optional Accessory)

Parts Needed:

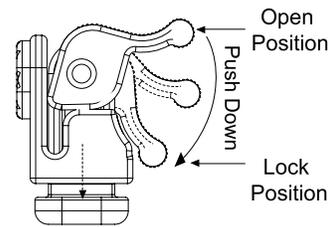
- 1 - Top Carriage
- 1 - Pattern Perfect Bracket
- 2 - M6 X 10 mm Connector Bolt

18-1: Attach the Pattern Perfect Bracket to the hole toward the back of the Top Carriage on the desired side using (2) M6 X 10 mm Connector Bolts, as shown in Fig. 18.1.

Step 19 - Placing Machine

Parts Needed:

- 1 - Top Carriage
- 4- Sewing Machine Clamp Assembly



19-1: Place your sewing machine onto the Top Plate of the Carriage, and center it, from side to side.

19-2: Pull the Sewing Machine Clamp Handle in the open position slide it into the slot on the Top Plate until it is touching the sewing machine. Push the handle down to lock the Clamp into position. Repeat this with the remaining (3) clamps.

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

All that remains is to install your fabric and begin quilting!

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

NOTE: As you cut the fabric layers, we recommend making the quilt backing about 6-8" longer and 2-4" wider than the top. This will allow for a little give in the backing, especially if using thicker batting.

Fabric Installation:

Using cloth leaders enables you to finish your quilt completely, end to the end, without having to take your quilt off the frame.

Fabric Installation Overview

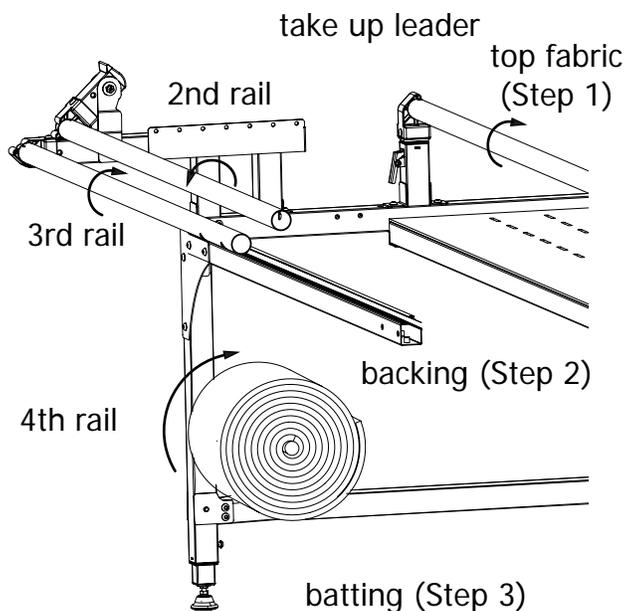


Fig. FI-1

- Step 1:** Install quilt top to 2nd rail and roll up.
- Step 2:** Install quilt backing to the 3rd rail and roll up.
- Step 3:** Install batting to the 4th rail and roll up.
- Step 4:** Attach quilt backing to take up rail.
- Step 5:** Attach batting to take up rail.
- Step 6:** Attach quilt top to take up rail.

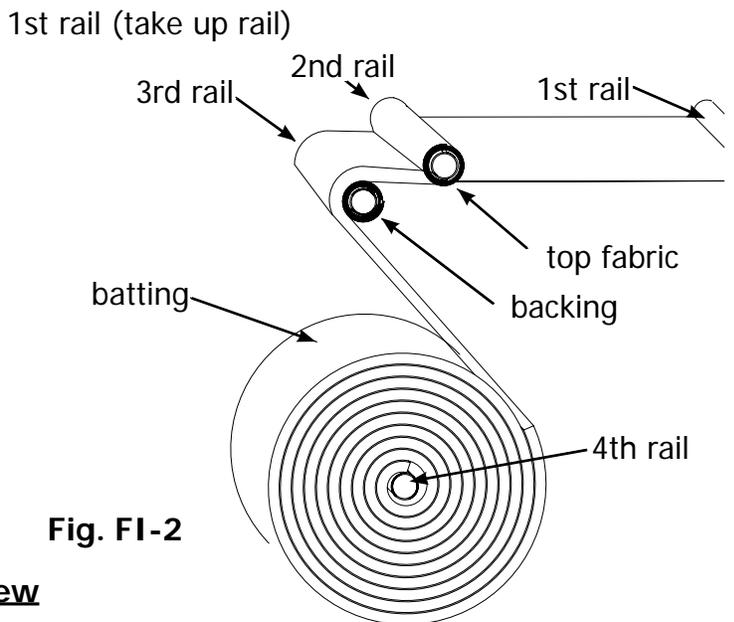


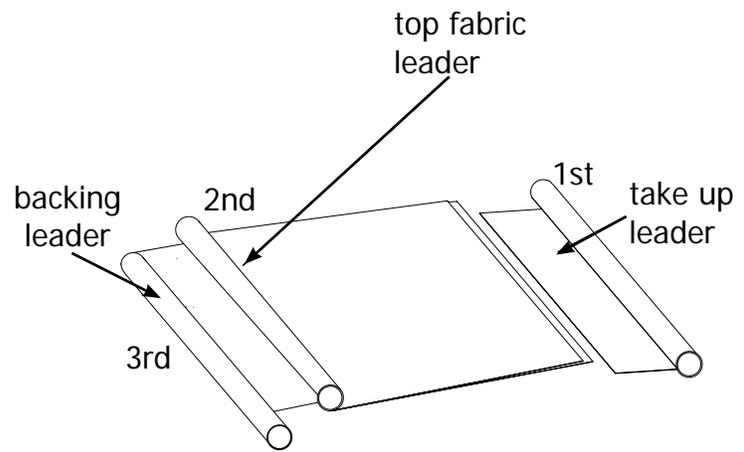
Fig. FI-2

Cloth Leader Installation Instructions Preview

Step L1: Draw a straight line all the way across each of your fabric rails with a black magic marker.

Step L2: Mark the center of each cloth leader on both edges (Length-wise). Also place a mark at the center of each of the fabric rails. Always measure to the center of the rails from the same end of the quilting frame. Draw the lines at the center of each rail so that they cross the lines previously drawn across the rails.

Step L3: Now you need to attach your leaders to their respective rails. The fabric can easily be attached to the rails by applying a piece of adhesive backed hook Velcro along the lines that you have drawn down each fabric rail.



Note: This illustration shows the cloth leaders installed on each rail prior to your quilt layers being installed.

Installing Fabric Layers Onto Rails

STEP 1: Quilt Top To 2nd Rail

Step 1-1: Determine which will be the front and back edges of your quilt.

Step 1-2: Line up the center of your fabric layer with the center of the cloth leader on the 2nd Rail. Pin the back edge of your top to the leader cloth. This is to be done with the finished side of the fabric facing up.

Step 1-3: Do not stretch or pull the fabric during this process. Let it lay as naturally as possible.

Step 1-4: Roll your leader and top onto the 2nd rail completely. Again, be sure the fabrics stay 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.

NOTE! It is important that you roll the rail the proper direction so the fabric rolls onto the 2nd rail the right way (when fabric rolls off the rail toward the take-up rail, it should roll under and off the rail. See Fig. FI-4).

STEP 2: Quilt Backing To 3rd Rail

Step 2-1: To begin, determine which will be the front and back edges of your quilt **backing** (make sure the backing is not wider than your quilting frame).

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

Step 2-2: Line up the center of your fabric layer with the center of the cloth leader on the 3rd rail. Pin the back edge of your backing to the leader cloth. This is to be done with the finished side of the fabric facing down.

Note: Do not stretch or pull the fabric during this process, let it lay as naturally as possible.

Fig. FI-3

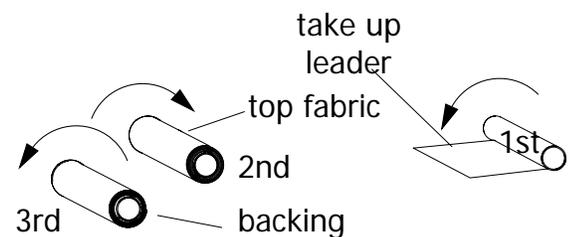


Fig. FI-4

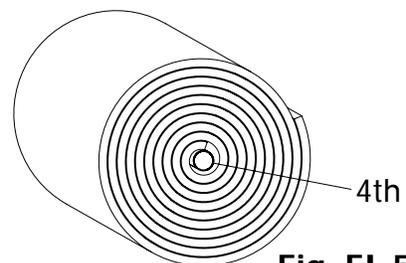
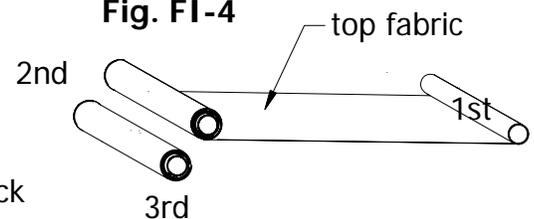


Fig. FI-5

Step 2-3: Roll your leader and backing onto the 3rd rail completely. Watch to make sure the fabric stays lined up. Smooth out any wrinkles as you roll by brushing the fabric from the center out. However, be very careful not to stretch or pull the fabric excessively.

Note: It is important that you roll the rail the proper direction so the fabric rolls over and onto the 3rd rail (Fig. FI-4).

STEP 3: Batting

Step 3-1: A light, bonded batting is recommended.

Step 3-2: Center the batting on the 4th rail. Roll the batting onto the 4th rail, being sure to roll the proper direction so that it, like the quilt top, comes off the rail from the bottom when unrolling.

STEP 4: Attaching Your Quilt Layers To The Take-Up Rail

Step 4-1: Take the edge of the quilt backing and pin it along the straight line of the take up rail leader in a smooth manner, without stretching your fabric.

Step 4-2: Next, bring your batting up in between the 3rd rail and 2nd rail and drape over the backing. Lay it along the pin line of your backing on the take up rail cloth leader.

Step 4-3: Finally, bring the quilt top up over the backing and batting and lay it over the batting along the pin line on the take up rail cloth leader. Pin your top and batting along the same line as your backing so that it is smooth.

Rolling Your Fabric

When you have completed your work area and are ready to move to the next, simply release the ratchet stops on the 2nd and 3rd rails, allowing them to roll freely. Then, roll the 1st rail forward, rolling the completed work area onto that rail.

TIP! As you roll forward, the quilt will accumulate on the 1st rail. Be sure to raise the take up rail brackets slightly as needed, so that the bottom of the rolled up fabric stays about **1/8" above the throat plate of your sewing machine base**. Failing to do so will cause your carriage assembly to roll less smoothly.

Bungee Clamp Installation

There are four Bungee Clamps provided with your 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 one of the holes on the Front Rail Support Assemblies and slide a Bungee Stop on the cord to secure it, as shown in Fig. BC1-1.

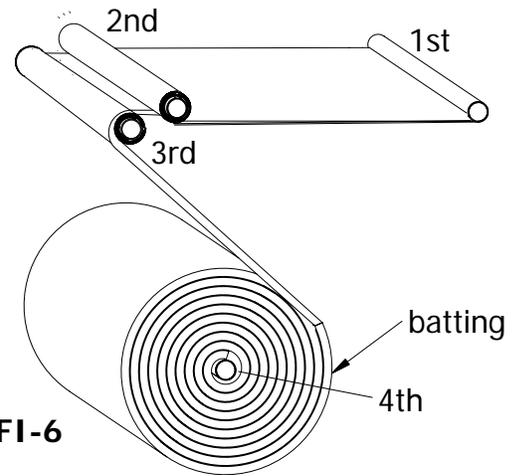


Fig. FI-6

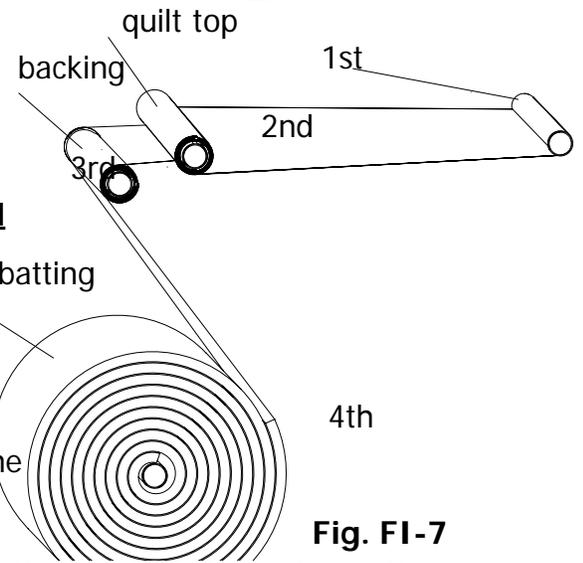


Fig. FI-7

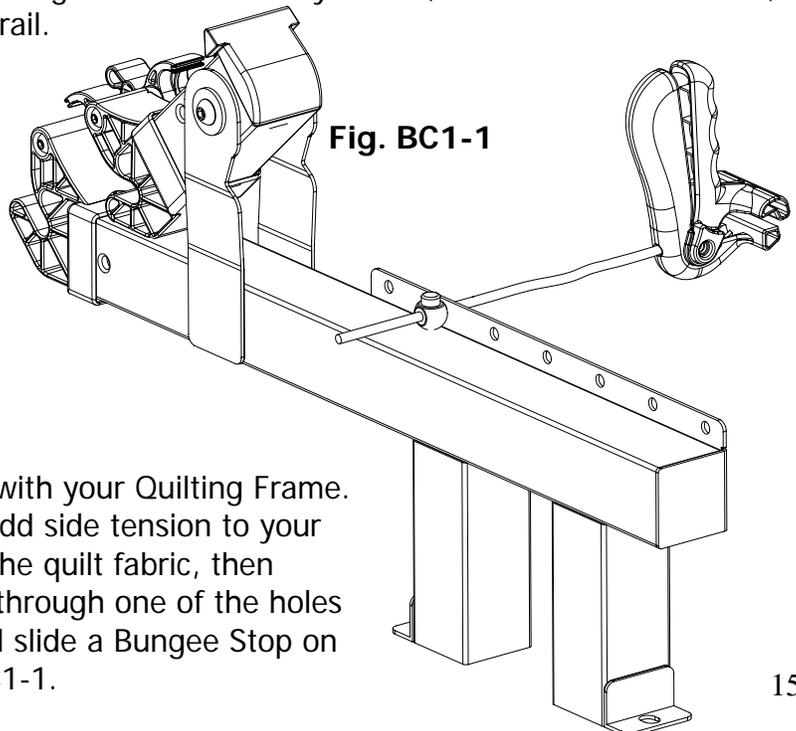
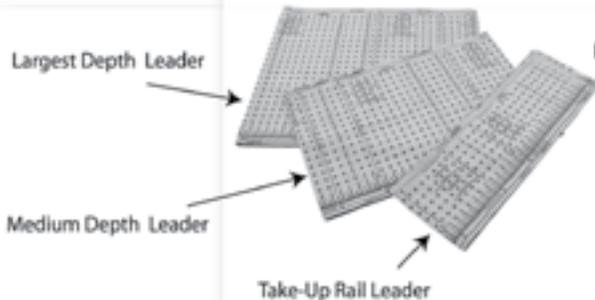


Fig. BC1-1

**Step 1:
Cut Leaders to Length**

Cut your cloth leaders to size, determined by the length of your quilting frame (length of rail minus 6"). Hem your cut edge.



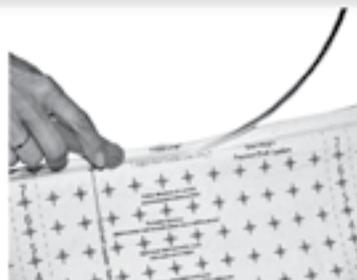
**Step 2:
Determine which leaders install to each pole**

The leader with the largest depth installs to the rail furthest away from your take-up rail; the next largest leader to the next closest rail. The most narrow leader installs to the take-up rail.

**Step 3:
Installing Leaders into your frame**

Option 1: Velcro® Method

Attach the leaders to your rails by first laying down the sticky-backed Velcro® to each rail. Lay the Velcro® side of the leaders over the Velcro® on the rail. (See Below)



Step 3 Option 2:

Fabri-Fast™ Method

This method works on all GraceFrames™ with Fabri-Fast rails. First, locate the Fabri-Fast™ Guide Line on your printed leader cloth. Line up the guide line over the slot of your Fabri-Fast™ rail. (Other attachment methods include: Quilter's Thumb Tacks, and Double Sided Tape.)

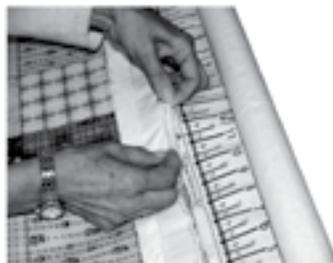


Step 4:

Applying your fabric to the leaders

(There are two options for fabric attachment)

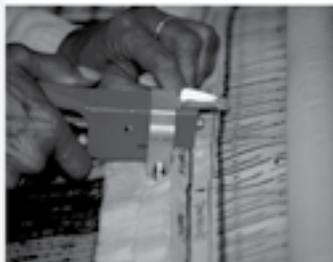
First, locate and mark the center of each of your quilt layers. You will attach each layer to each leader working from the center out. Line the edge of your fabric layer with the edge of your leader, as pictured. Note: Attach the quilt backing to the leader so the finished side of the fabric is face-down. Attach the quilt top with the finished side face-up.



Step 4: Option 1

Staple Method

Adjust the reference tool on the top of your stapler so that you staple 1/2" in from the fabric edges.



(A staple remover is also included for easy removal)



Step 4 Option 2:

Pinning Method

Line the edge of your fabric layer with the edge of your leader, as pictured. Pin the edges together working from the center out.



NOTE! DO NOT STRETCH YOUR FABRIC as you attach it to your leader cloths. This will cause your quilt layers to roll unevenly onto your frame. As you attach your fabric, let it lay as naturally as possible.