



Frame Instructions

Quilt Frame Assembly Instructions

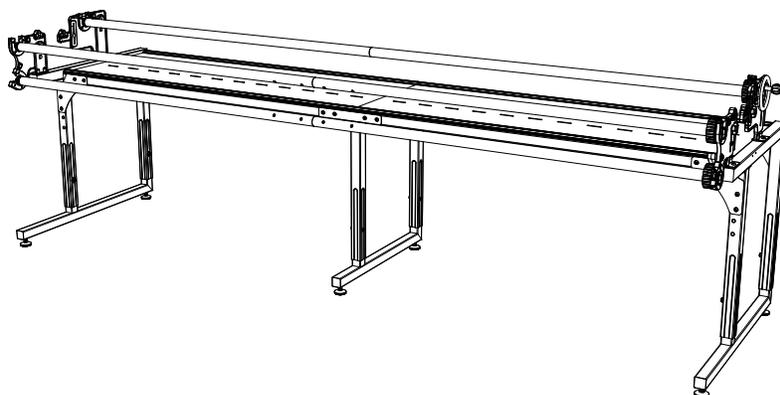


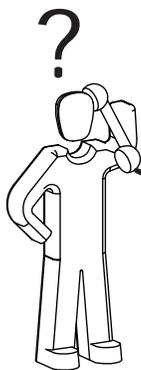
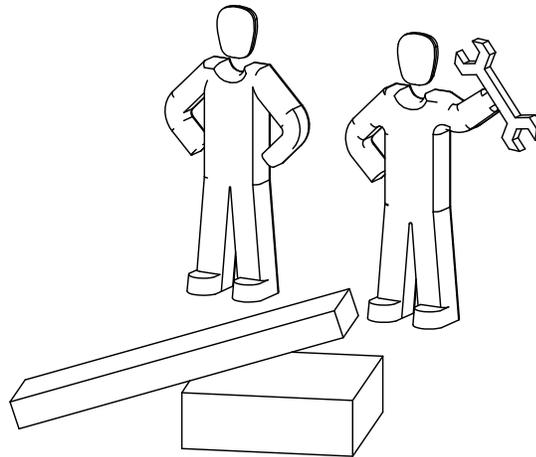
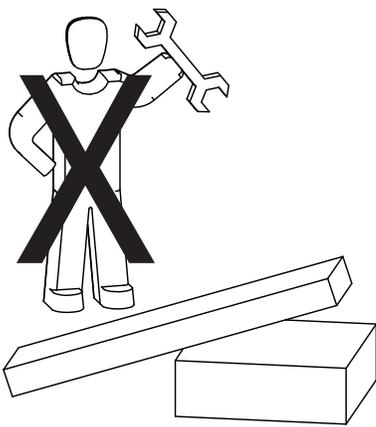
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Warranty

Warranty Information for your Launch Pad Quilting Frame

The Launch Pad 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.

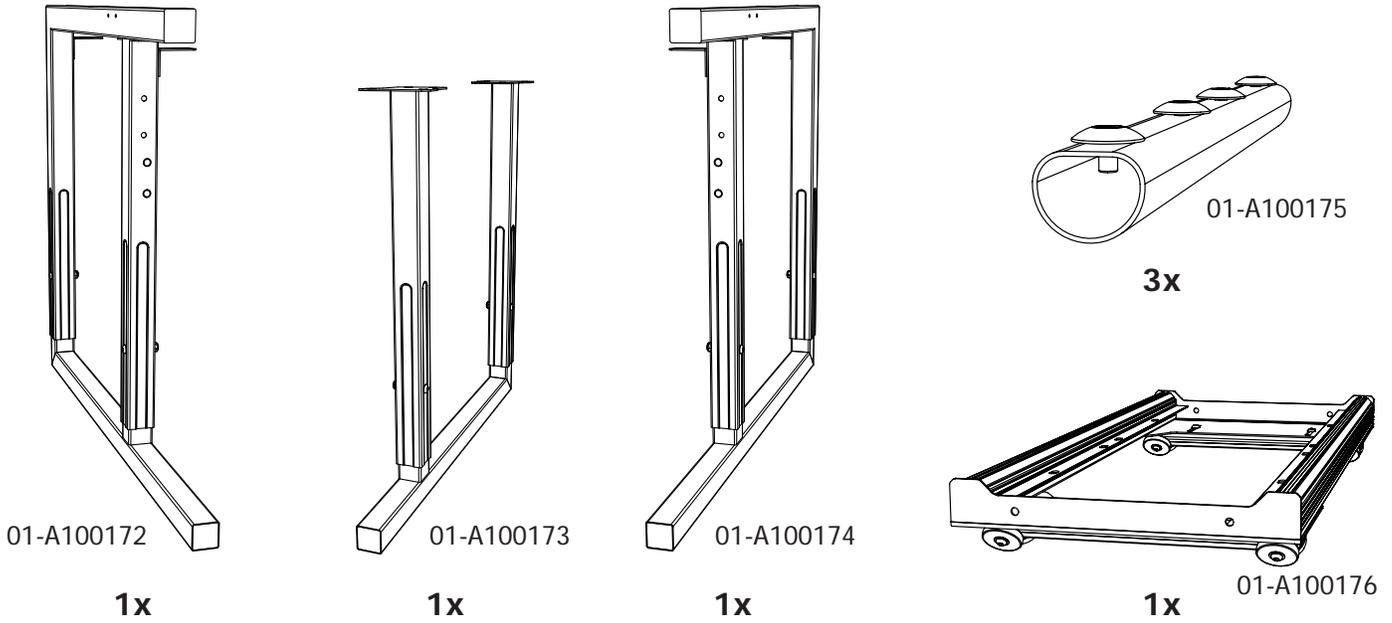


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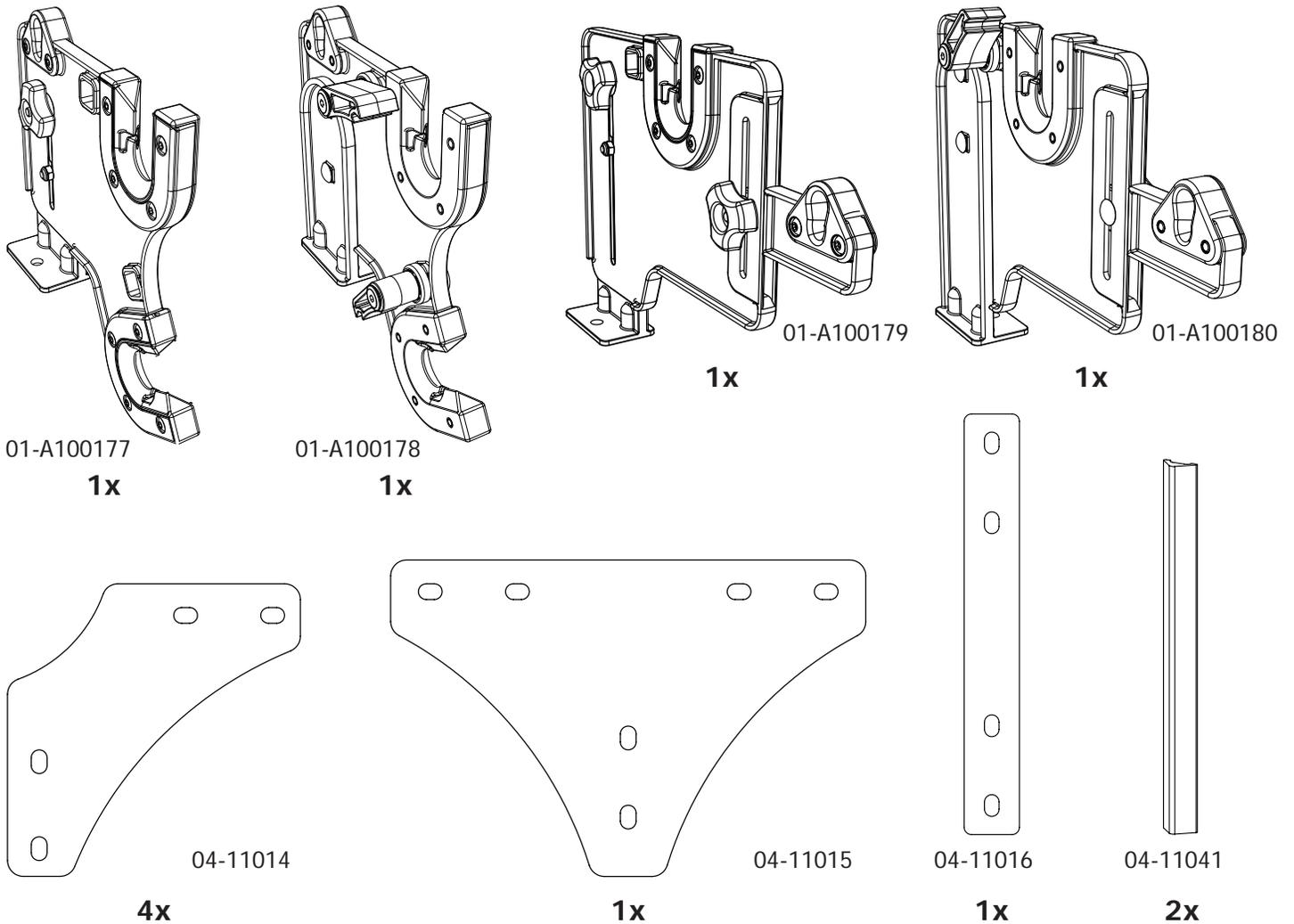
The Grace
Company
Fine Quilting Frames

See Appendix for Part and Assembly Number References.

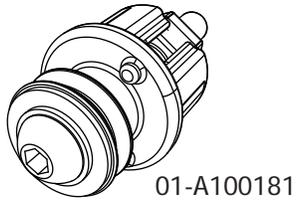
Box 1 Components



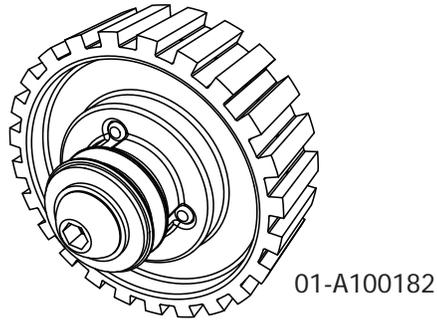
Box 1 Inner Box 1 Components



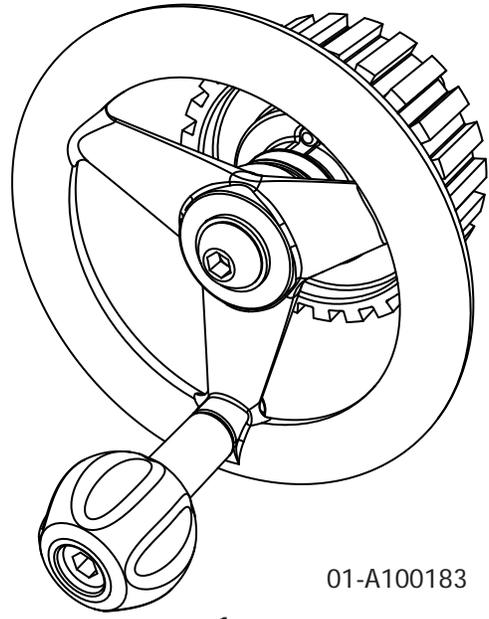
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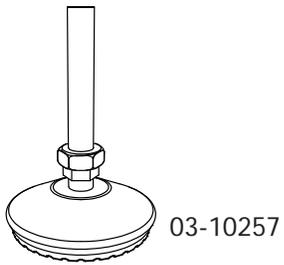
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2x

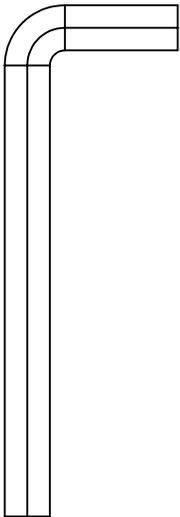


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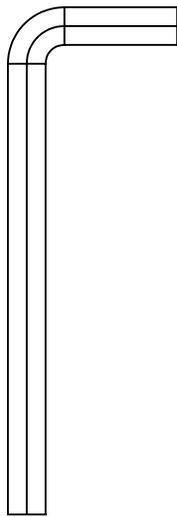
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Box 1 Inner Box 3 Hardware Box (Tools Provided)



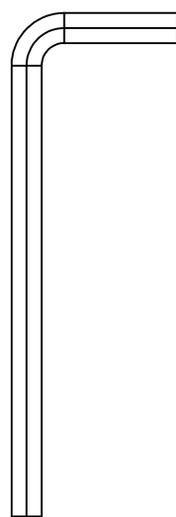
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03-10741

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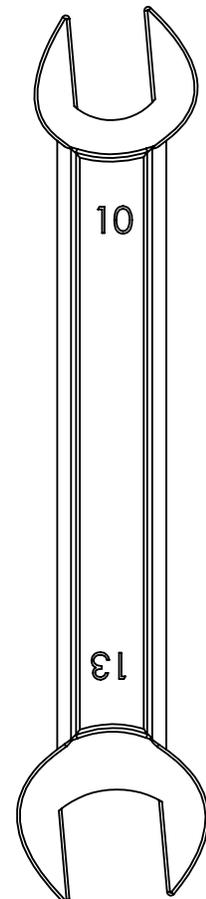
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03-10166

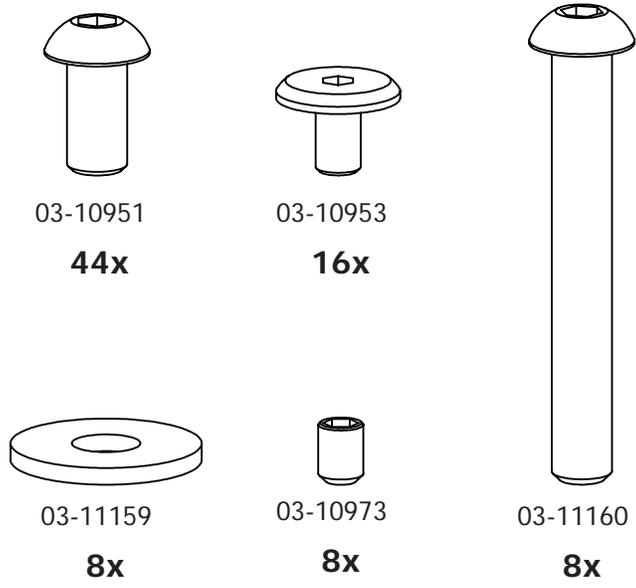
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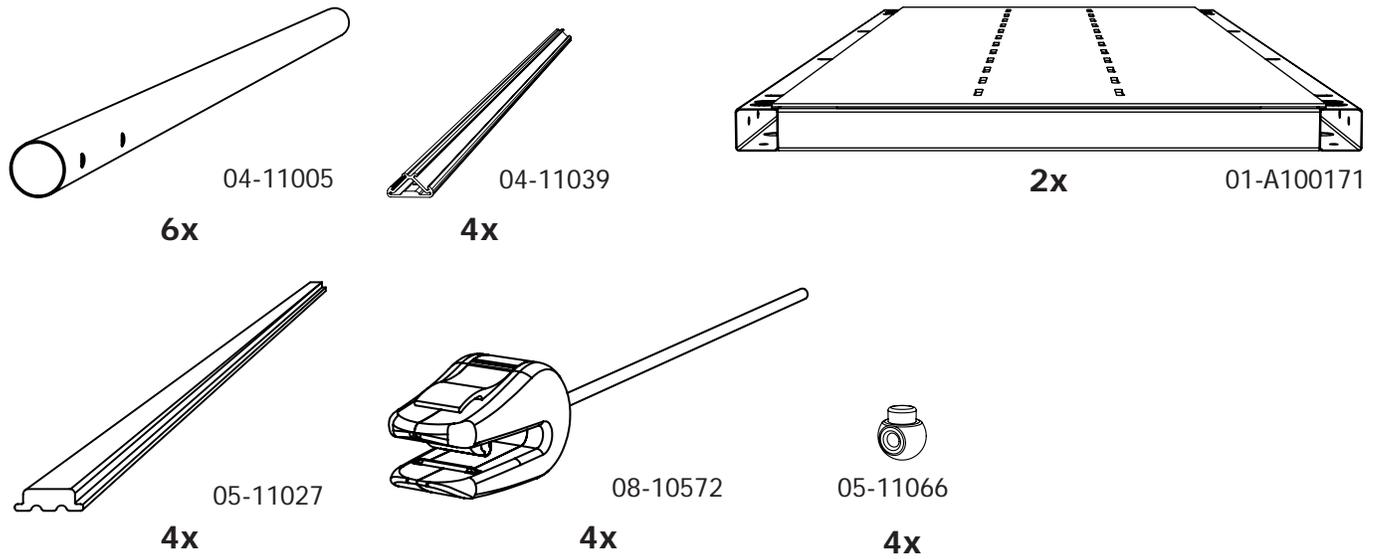
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Box 1 Inner Box 3 Hardware Box Continued

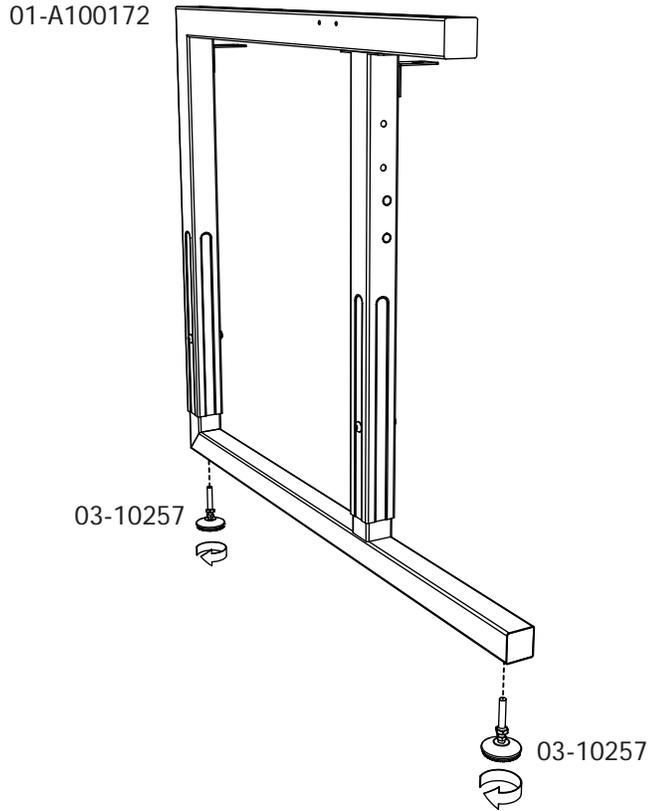


Box 2 Components

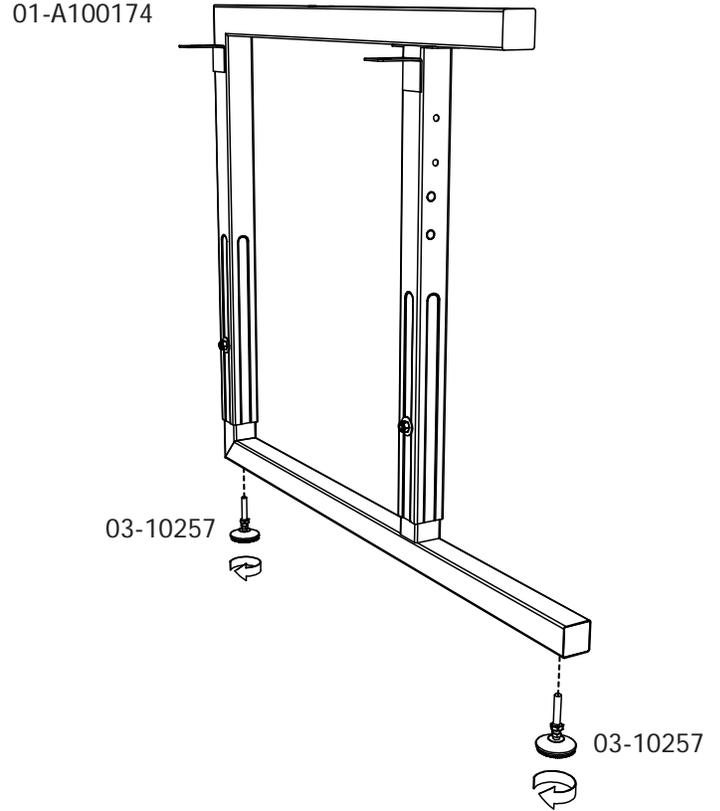


Leveling Foot Attachment to Frame Legs

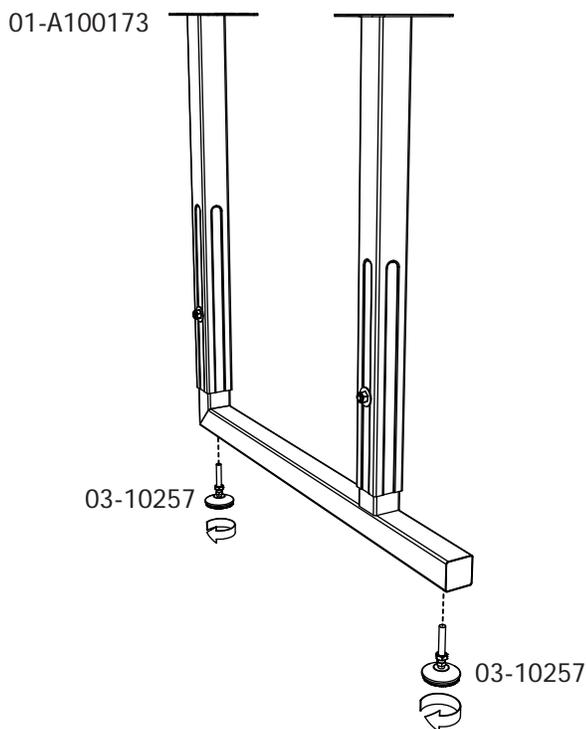
1



2



3



Leg Height Adjustment Chart

Height of Fabric Surface			
Top Hole	42"	3rd Hole	38"
6th Hole	41"	2nd Hole	37"
5th Hole	40"	Bottom Hole	36"
4th Hole	39"		

The Height Adjustable Legs will come pre-installed.

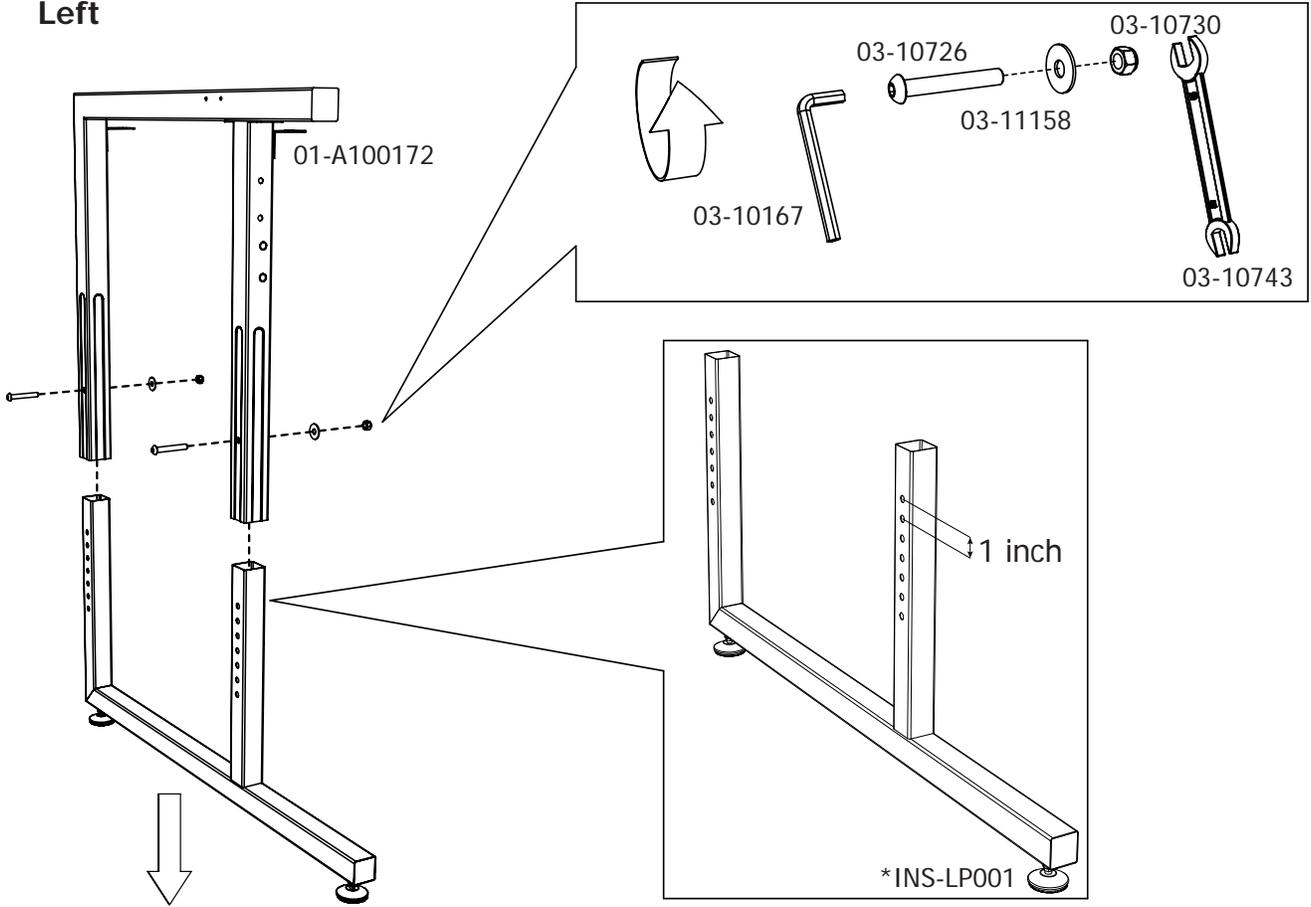
Setting the frame height so that the fabric surface is at about elbow height is a good general starting point.

Adjust the height from there based on what is most comfortable for you.

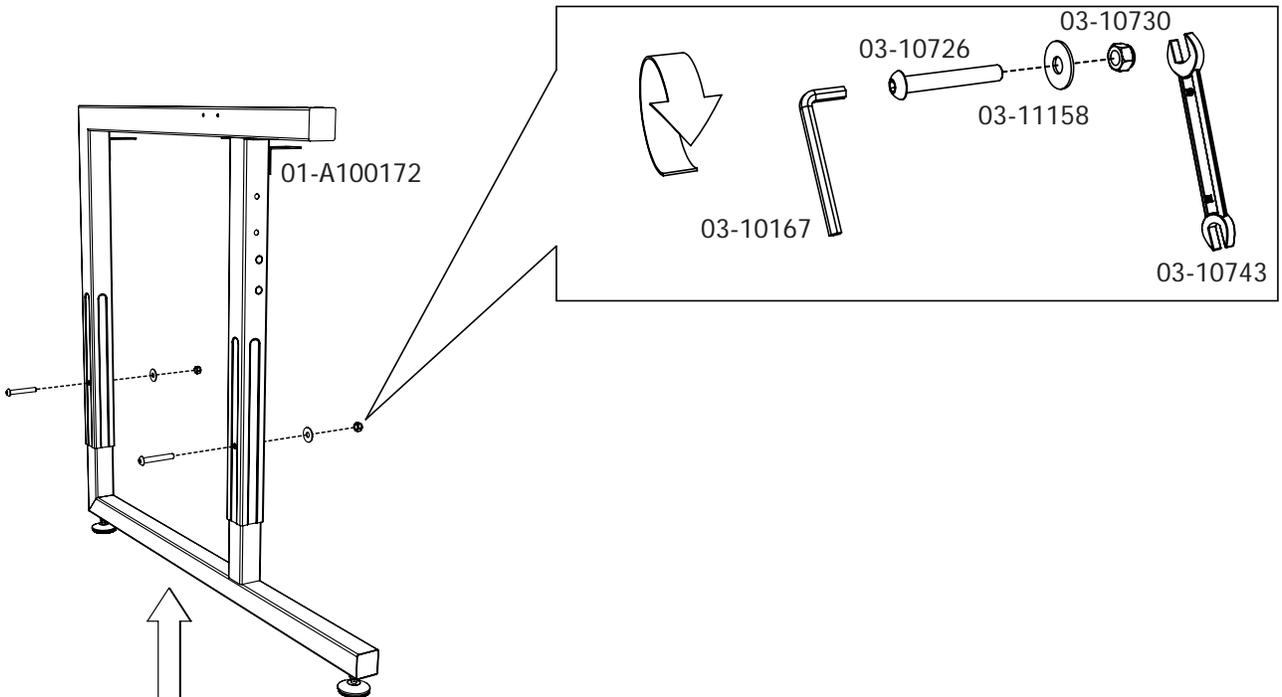
Leg Height Adjustment

4 Left

A

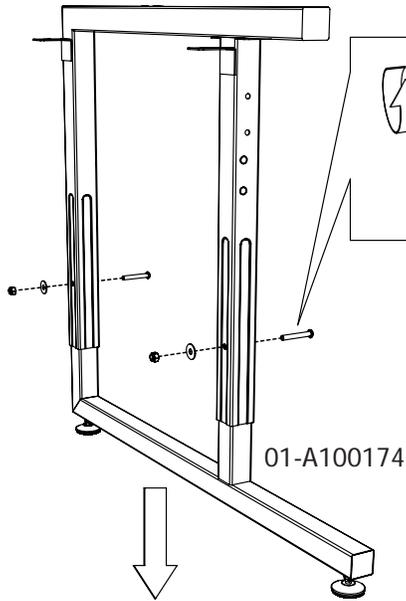


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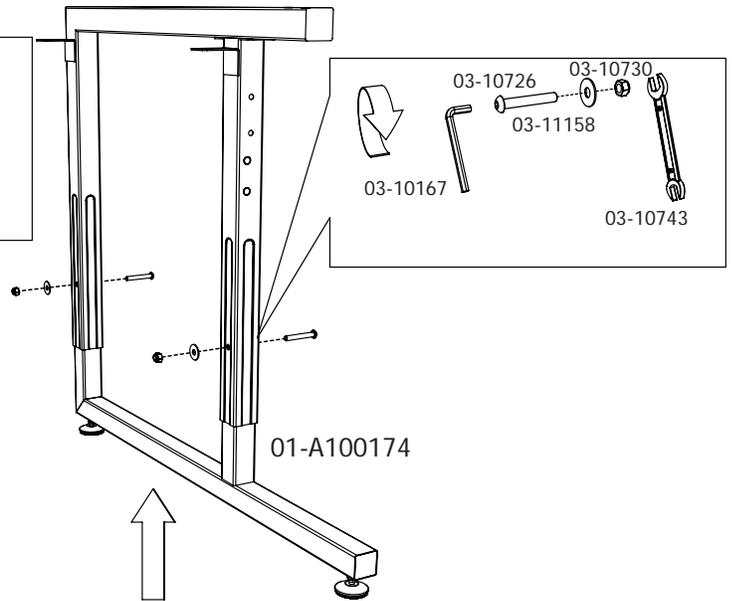


5 Right

A

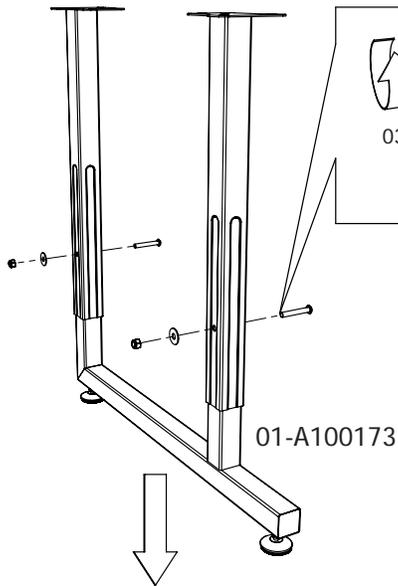


B



6 Middle

A



B

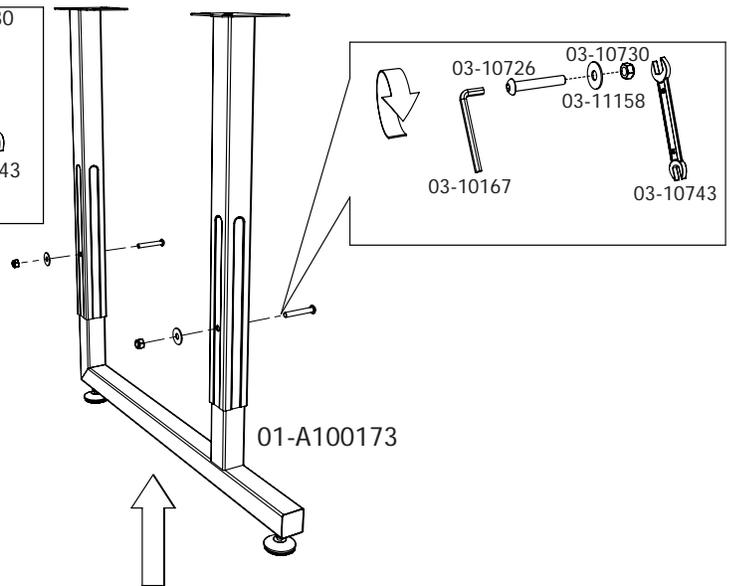
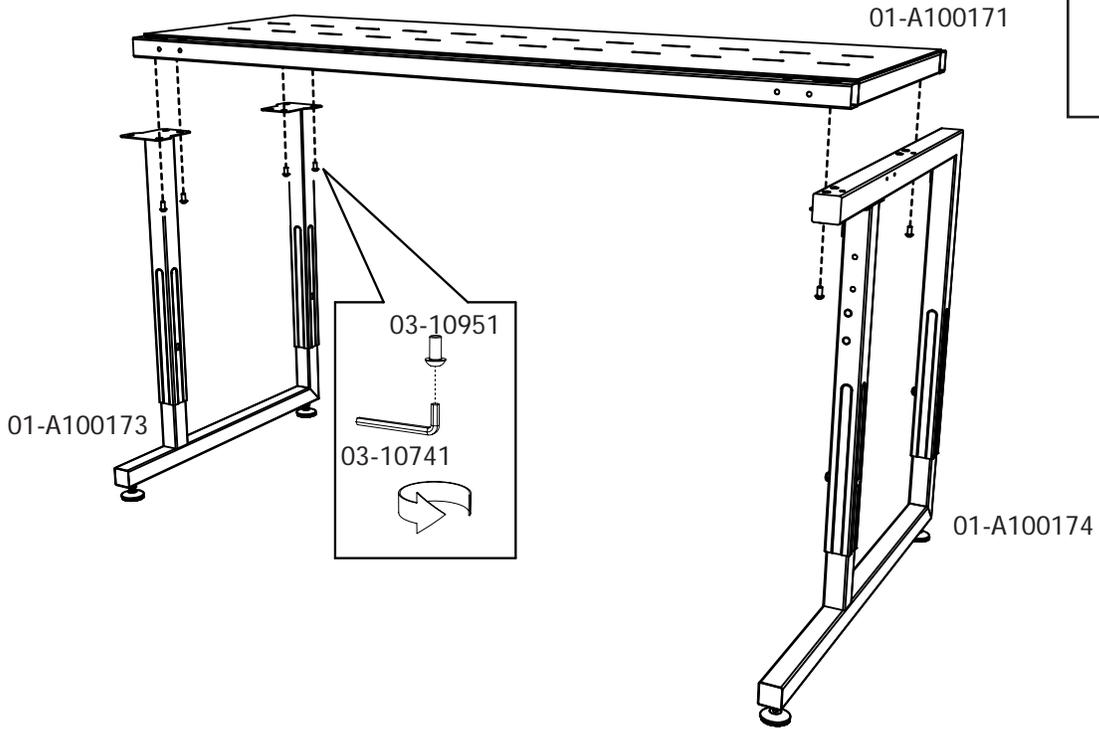


Table Assembly

7
A



B Note: Align the two front edges of the tables in the center so they are flush.

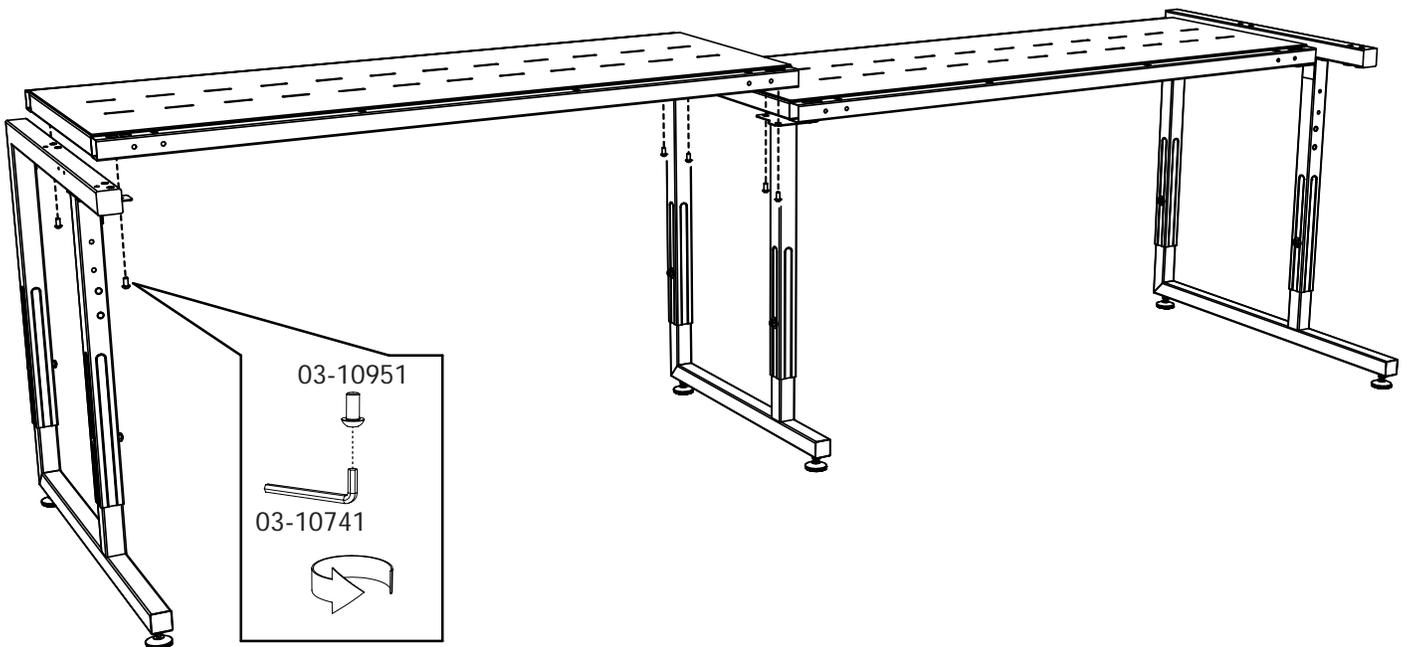
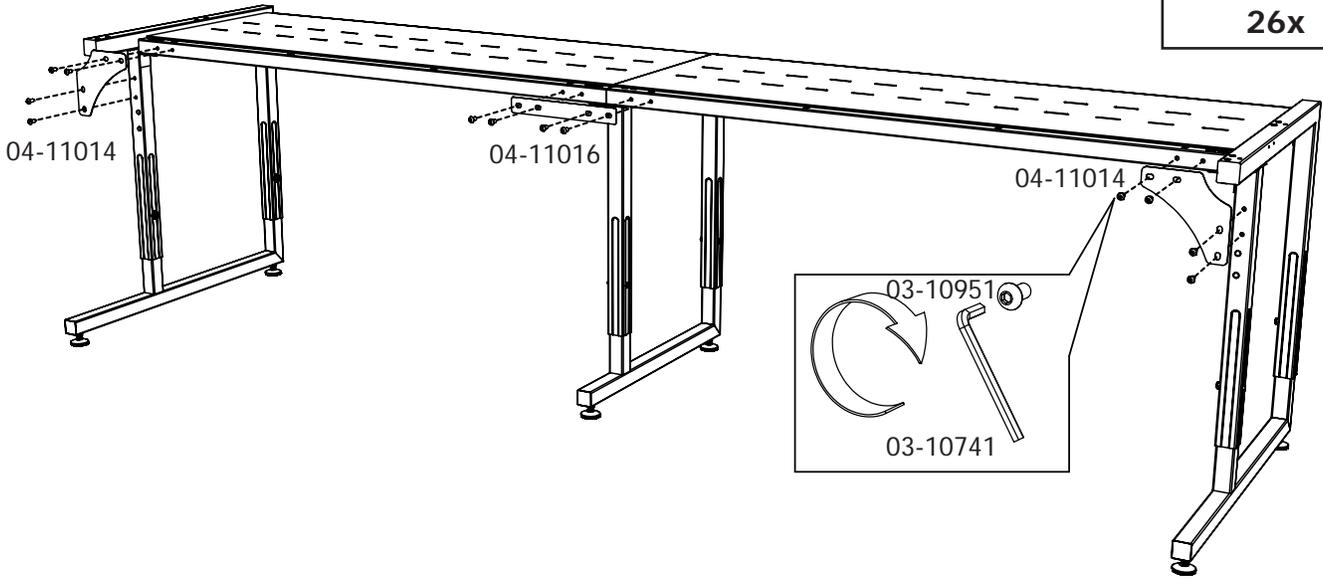


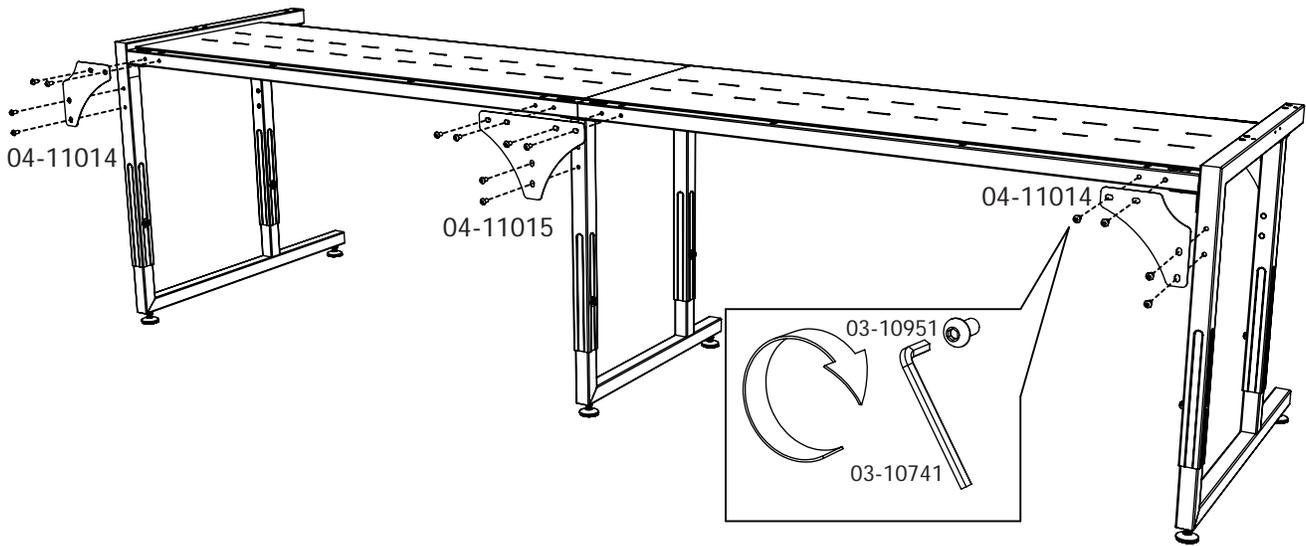
Table Braces

8

A



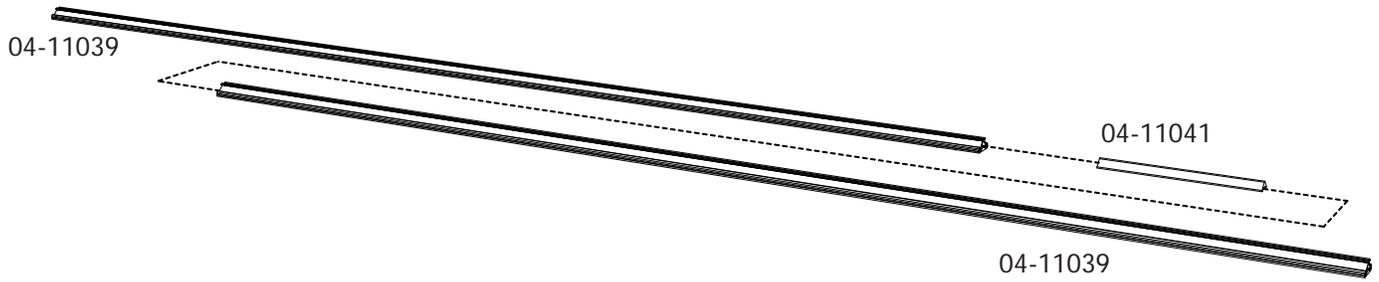
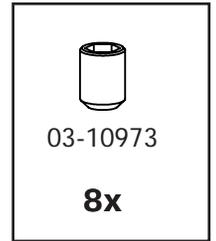
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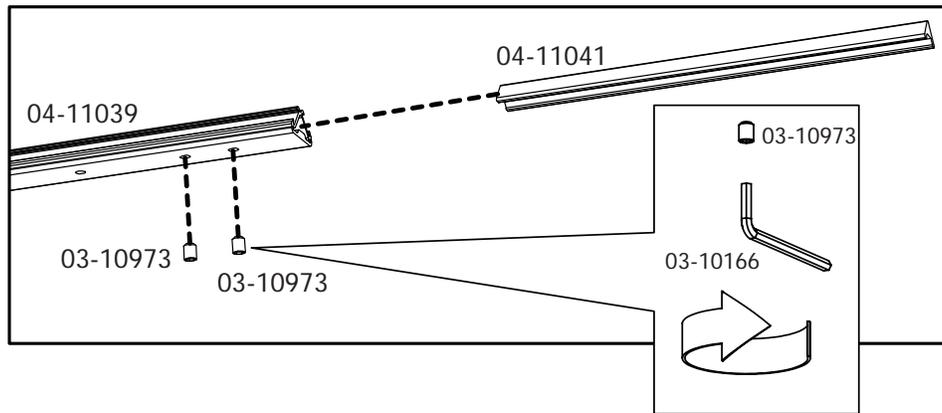
Track Assembly

9

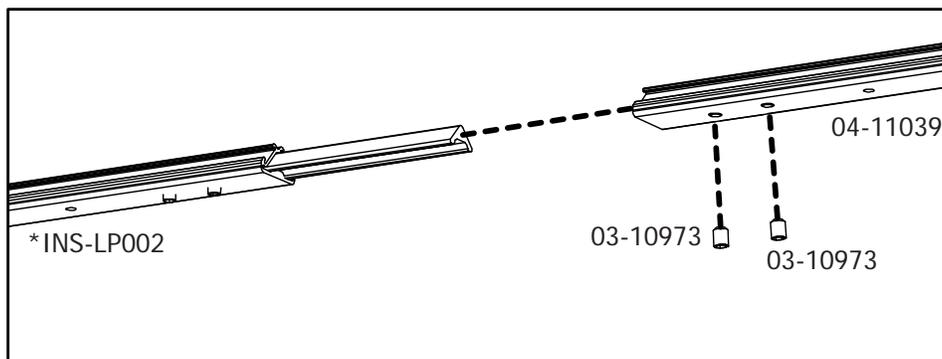
A 2x



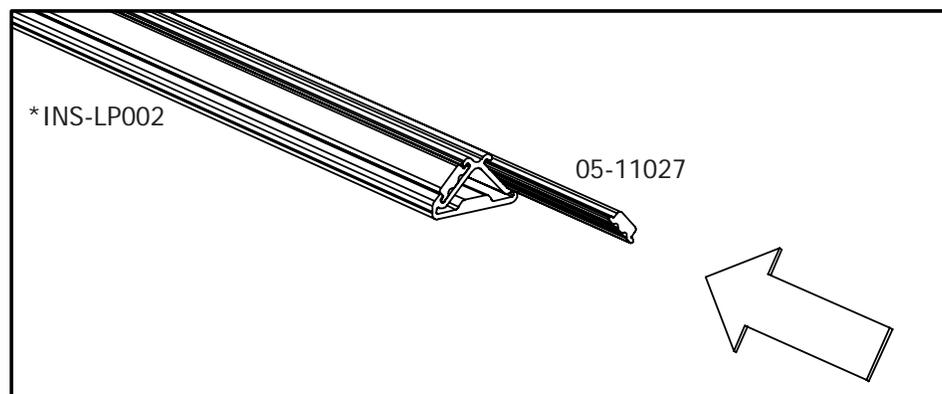
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C

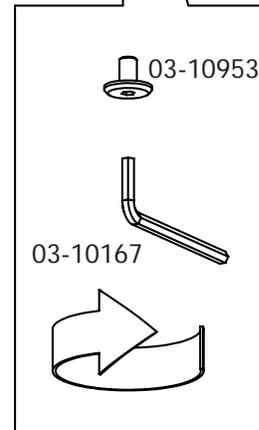
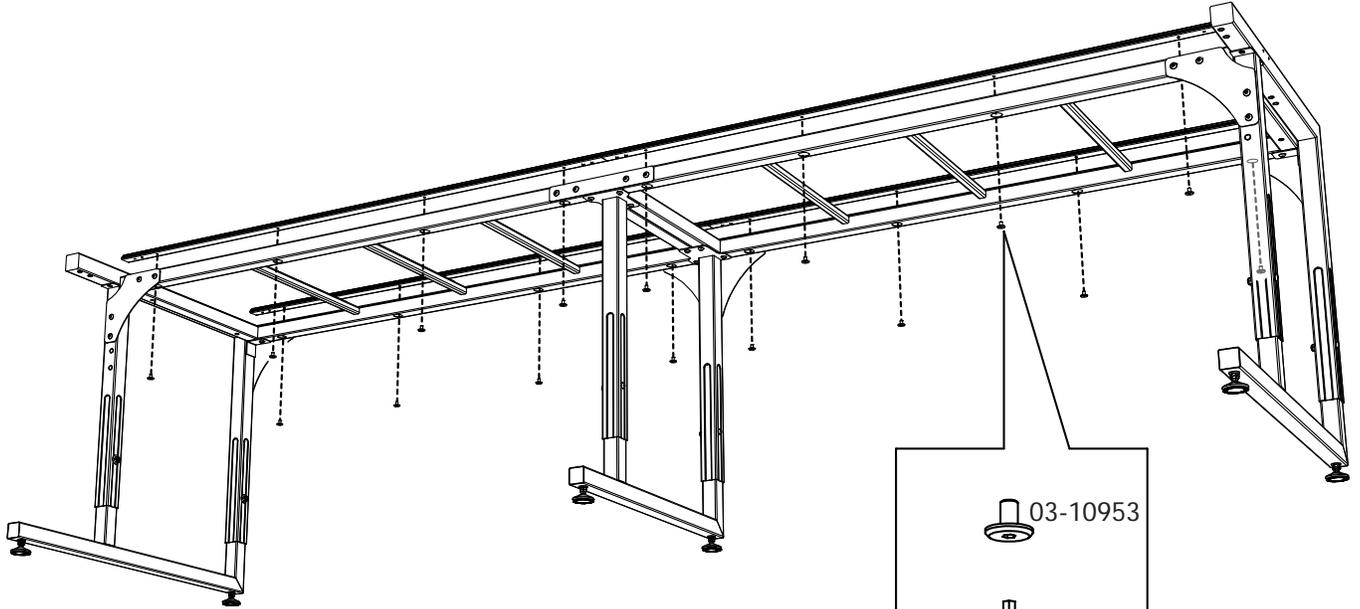
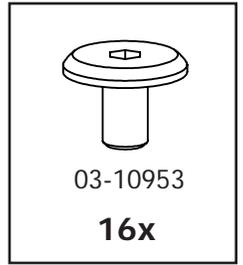


D



Track Assembly Attachment

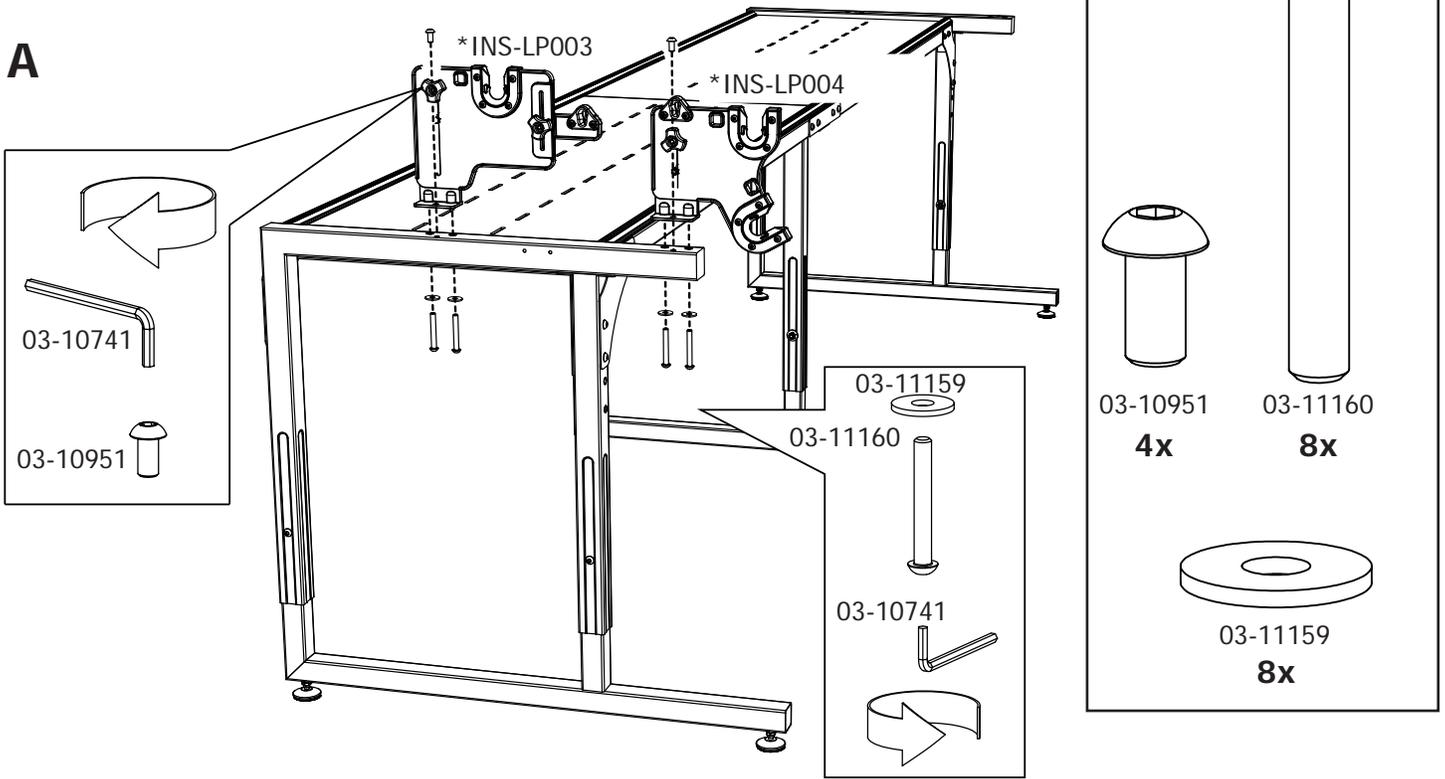
10 Note: Align the track flush to the edge of the table.



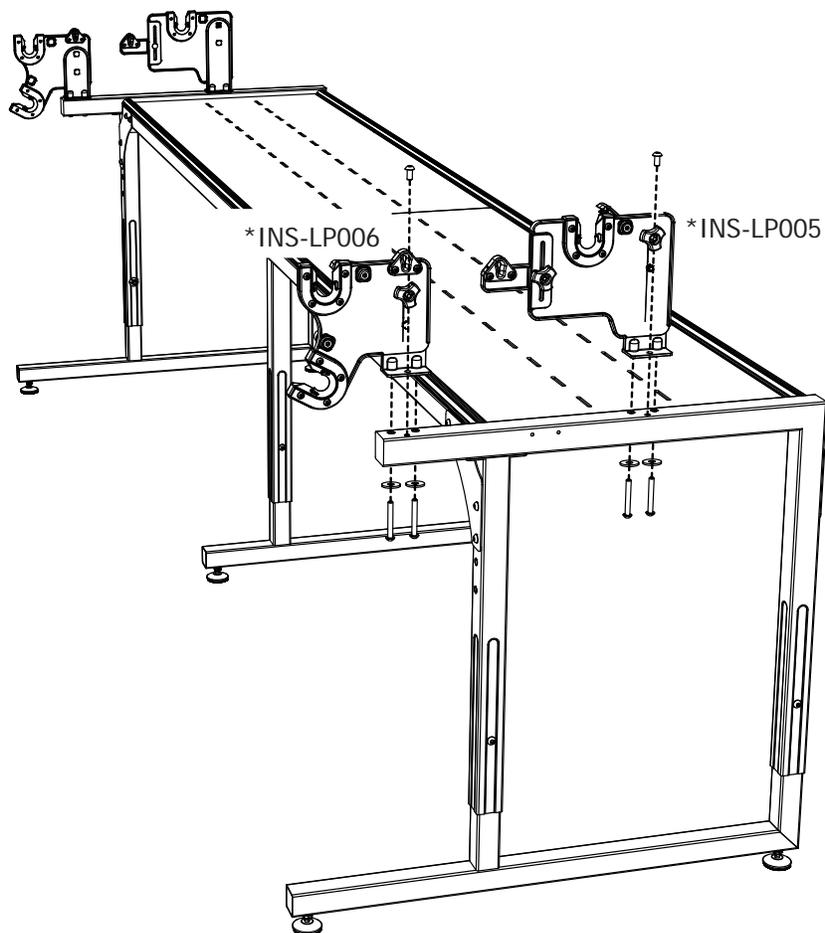
Rail Holder Assembly Attachment

11

A

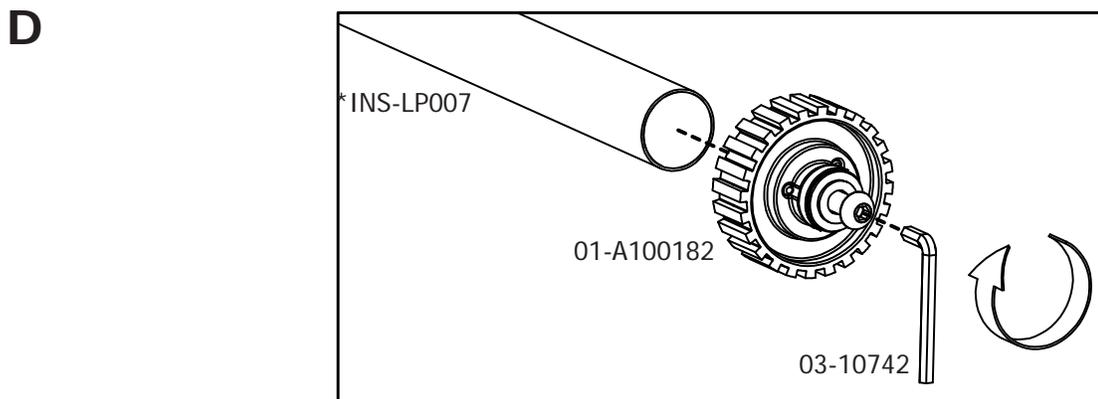
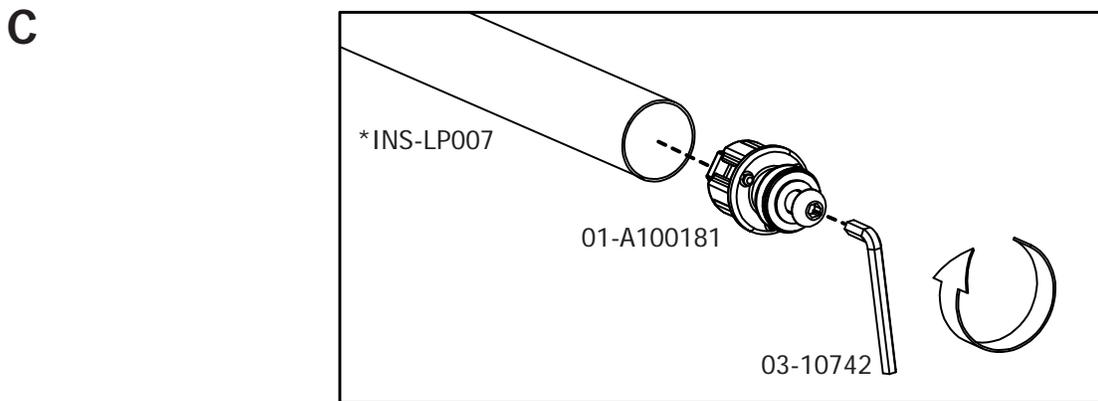
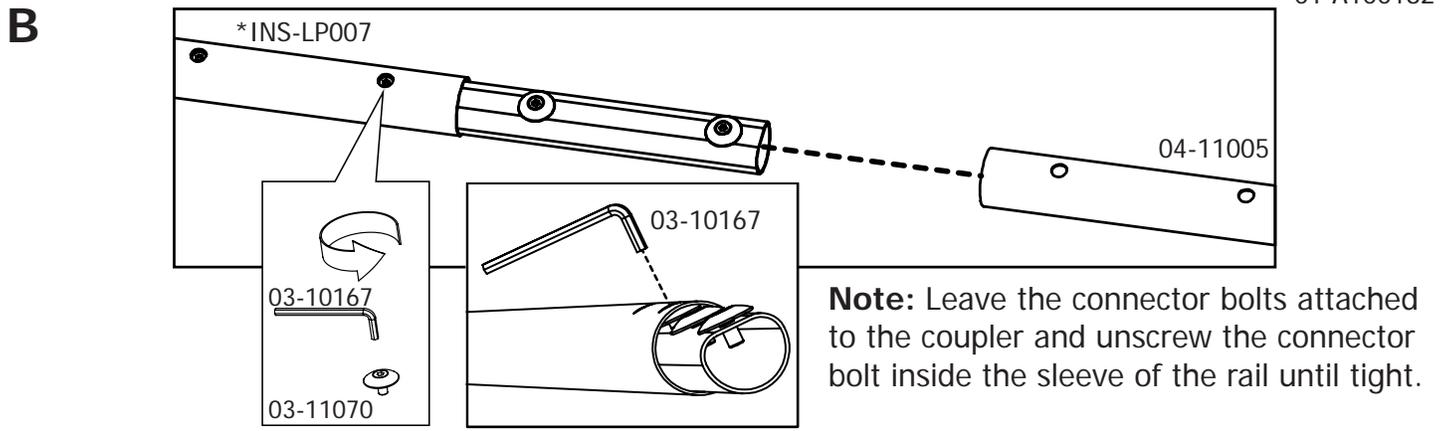
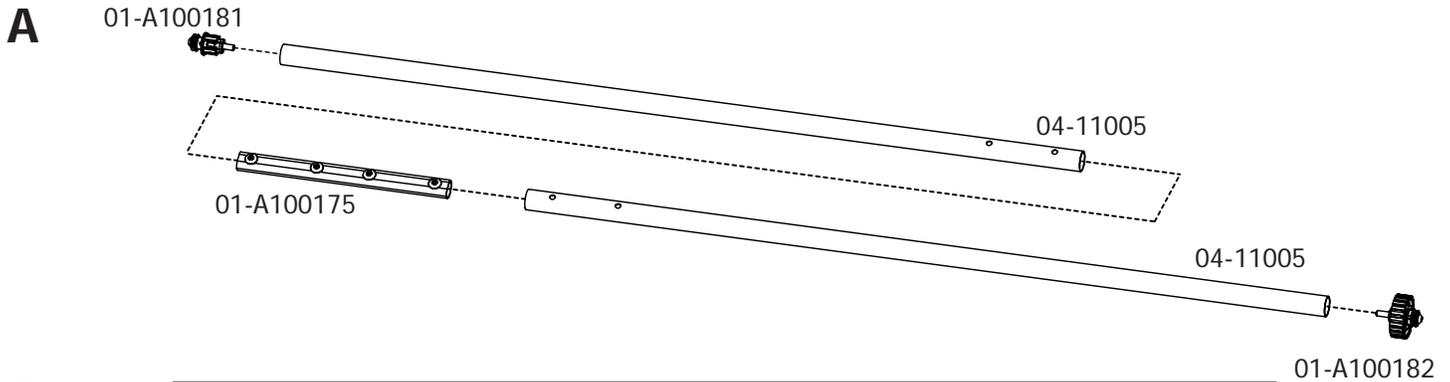


B



Geared Rail Assembly

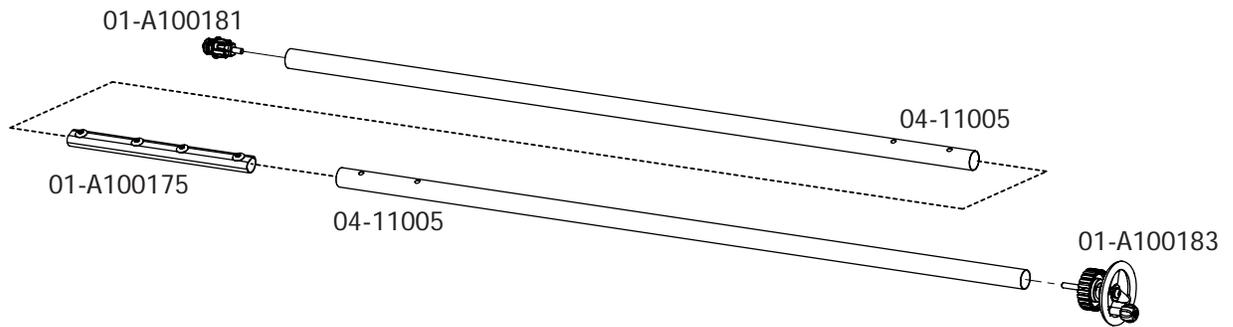
12 2x



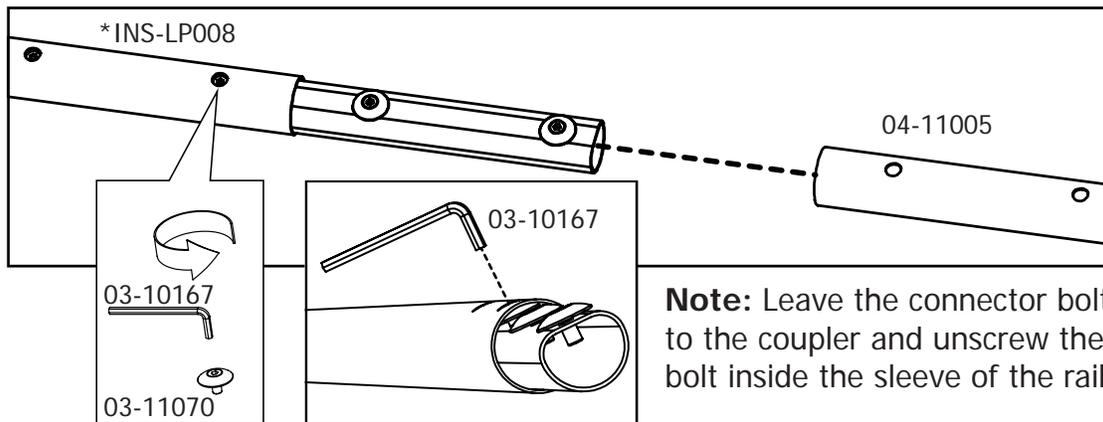
Geared Rail Assembly with Handwheel

13

A

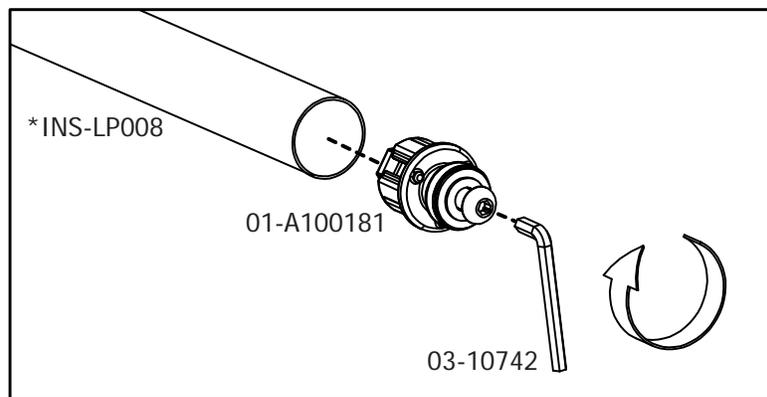


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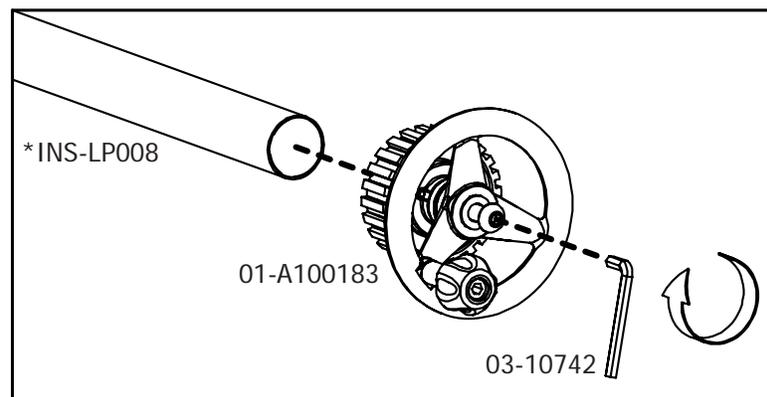


Note: Leave the connector bolts attached to the coupler and unscrew the connector bolt inside the sleeve of the rail until tight.

C

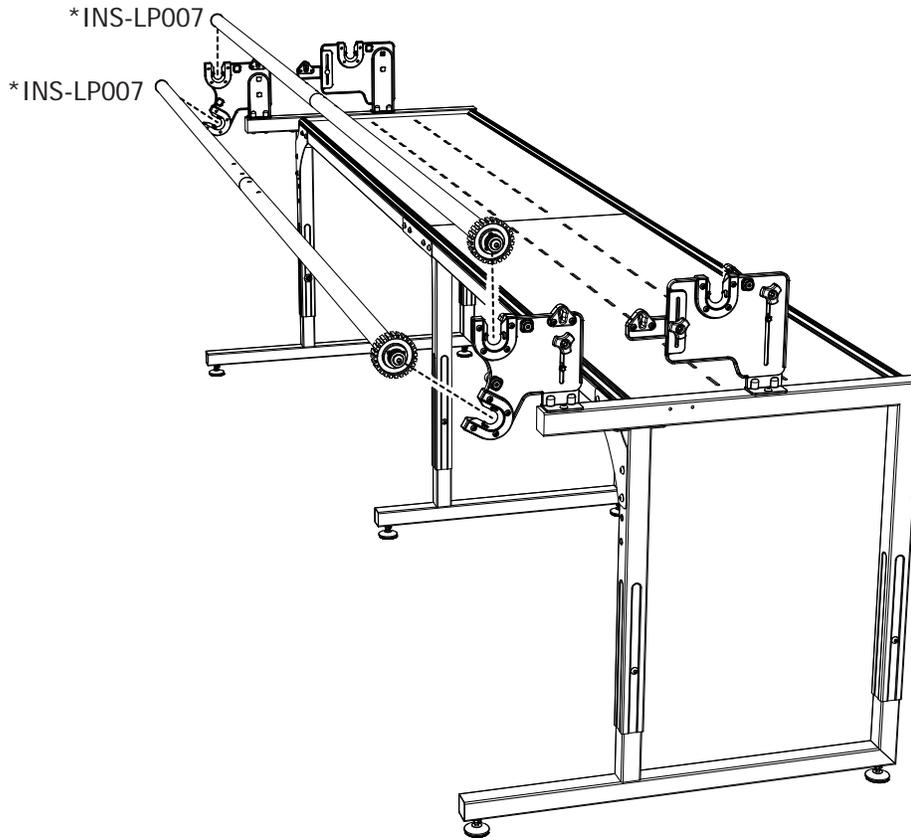


D



Rail Attachment

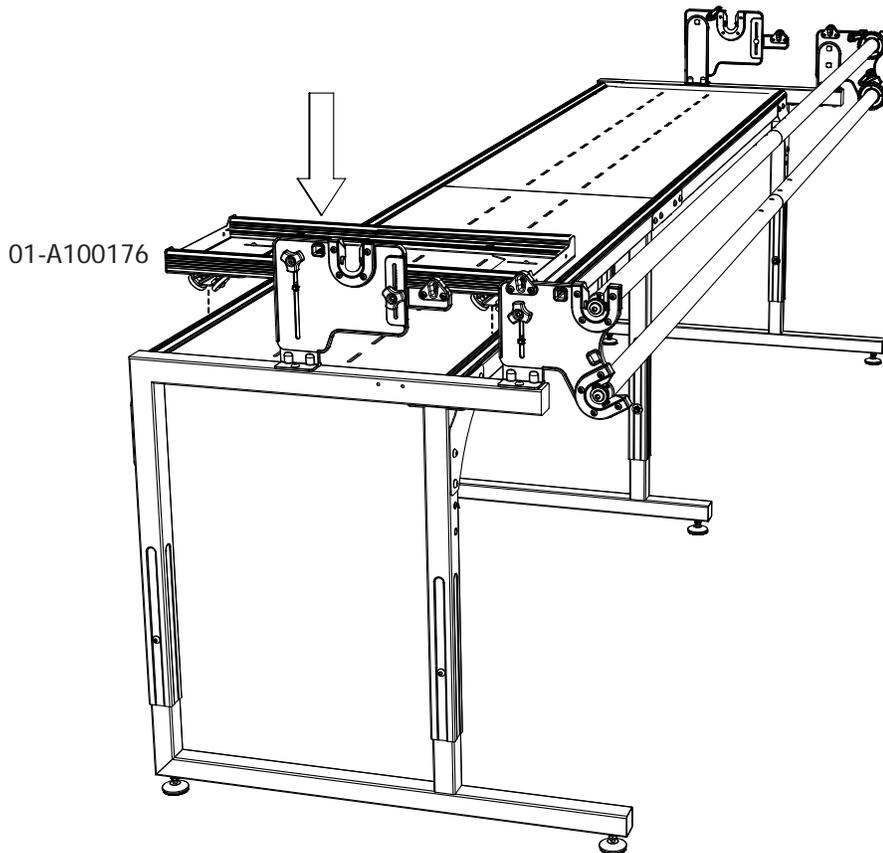
14



Bottom Carriage Adjustment

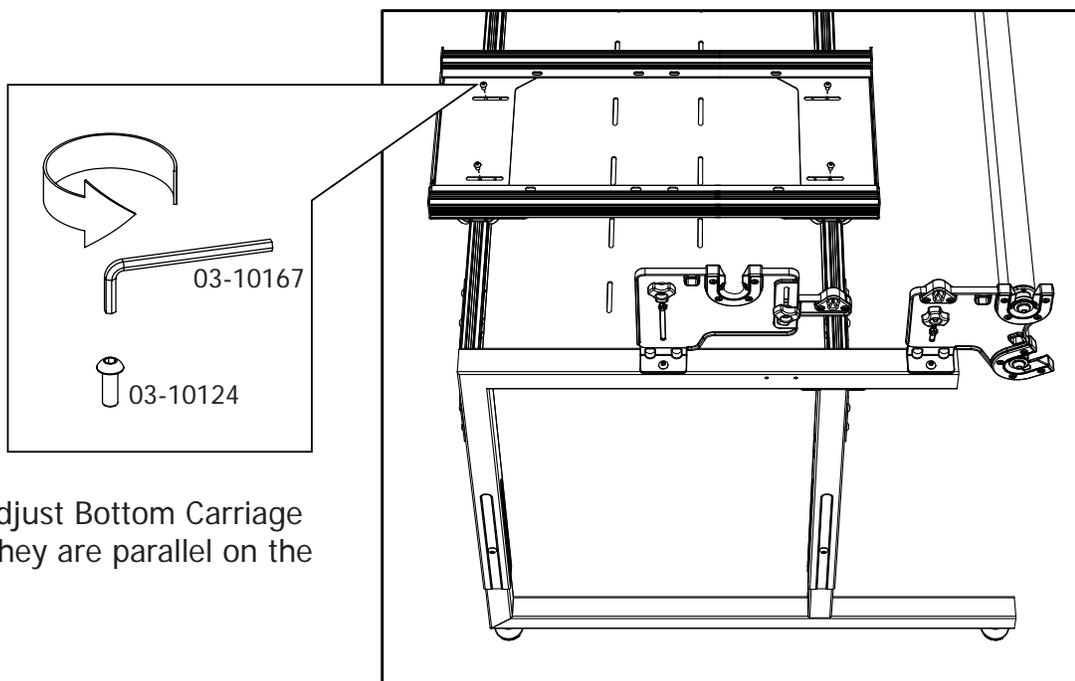
15

A



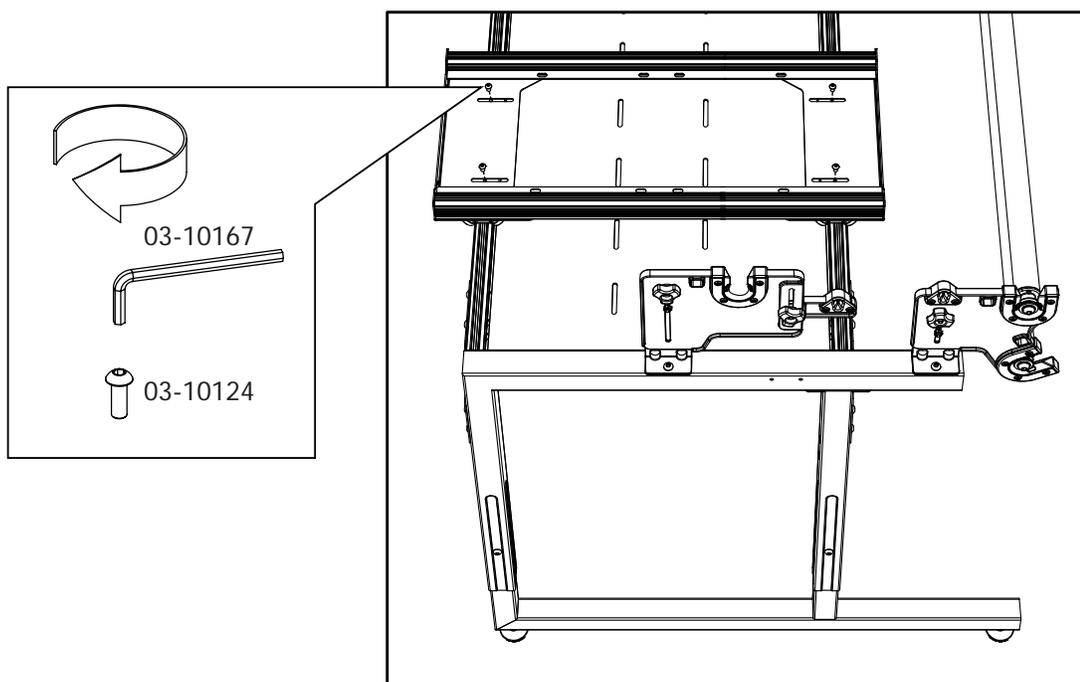
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B



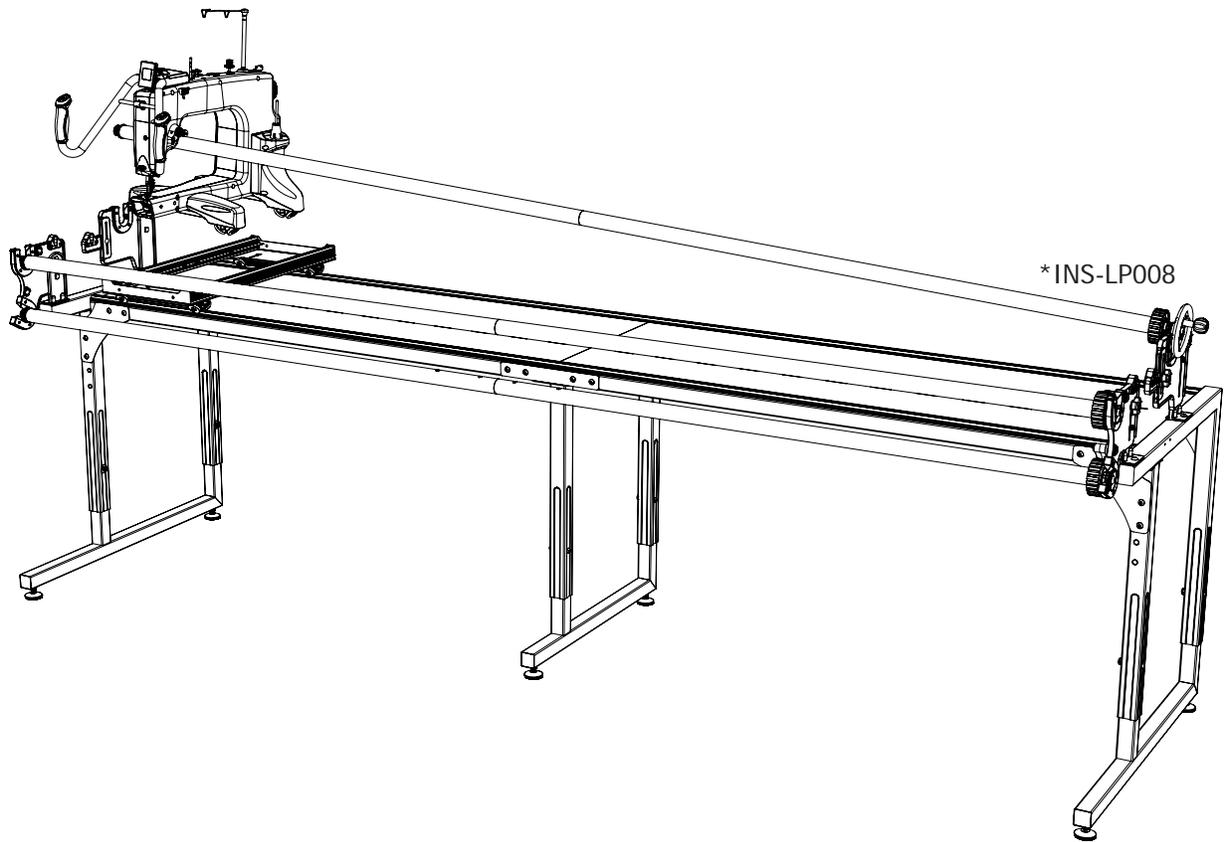
Section 1-1: Adjust Bottom Carriage wheels so that they are parallel on the carriage.

C



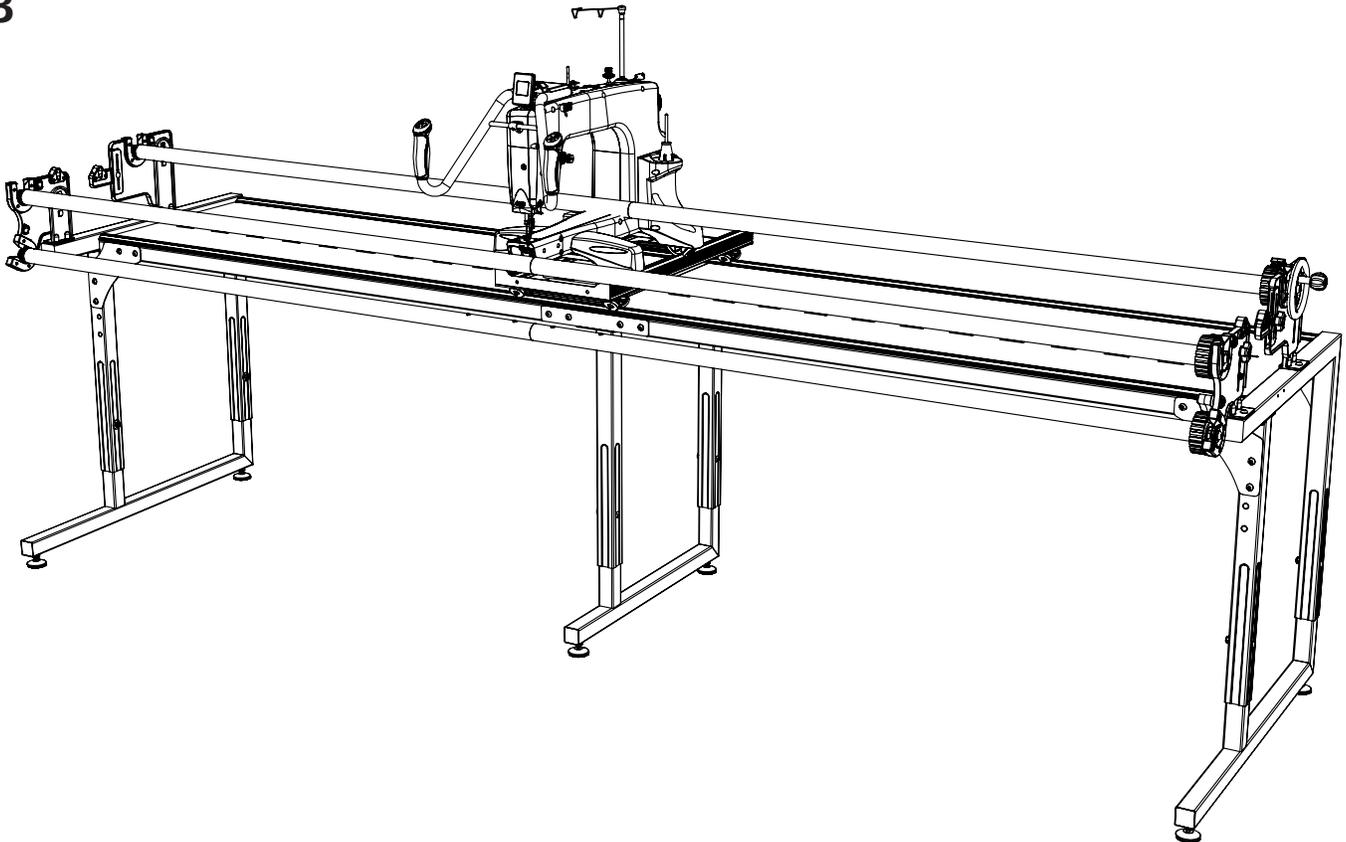
Putting the Machine onto the Frame

17



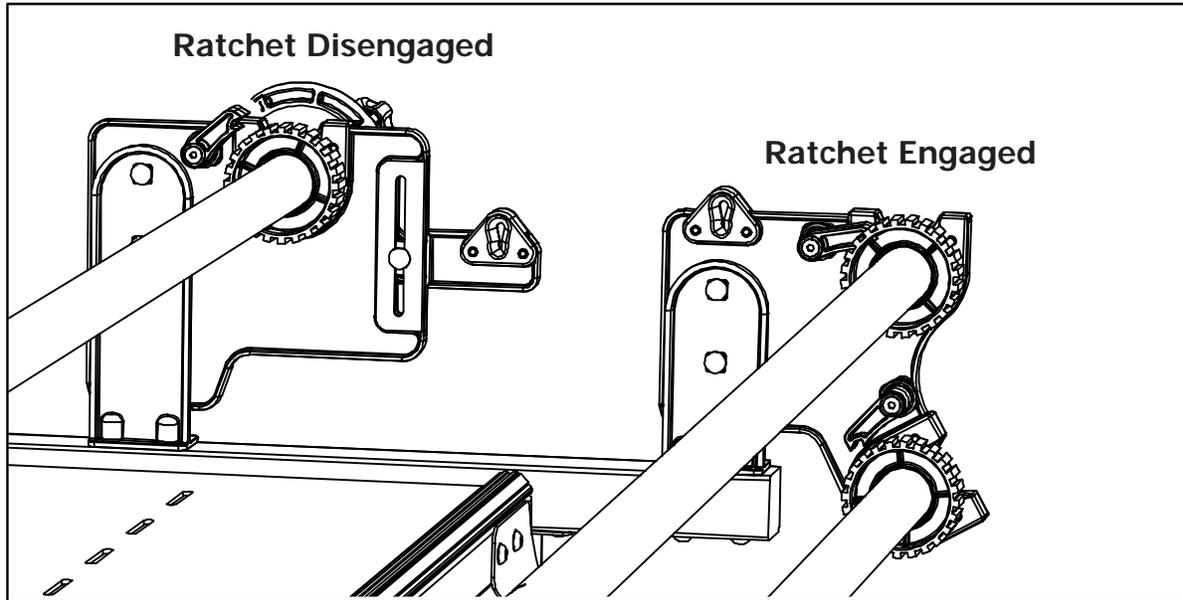
Completed Frame Example View

18



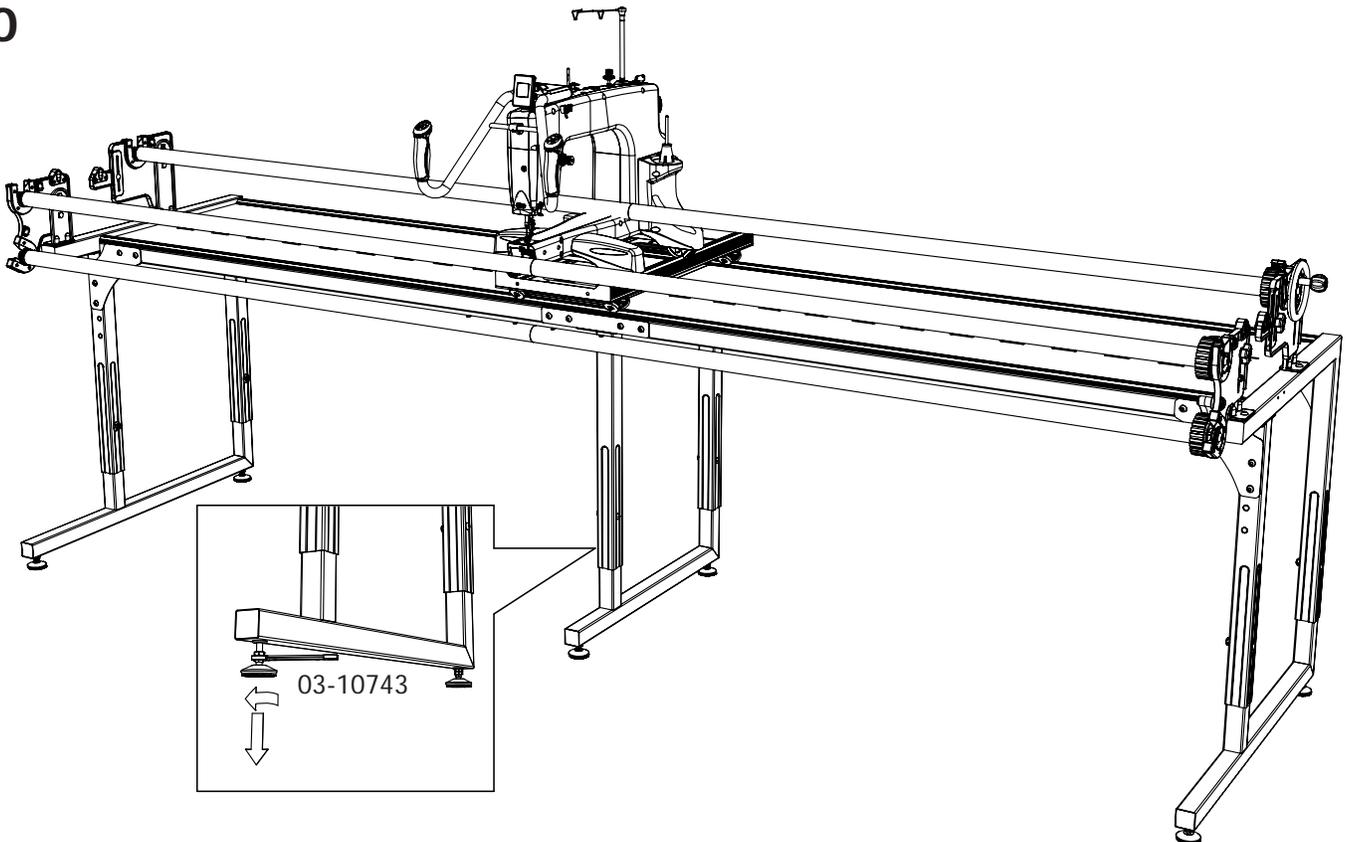
Ratchet Use

19



Leveling Foot Adjustment

20



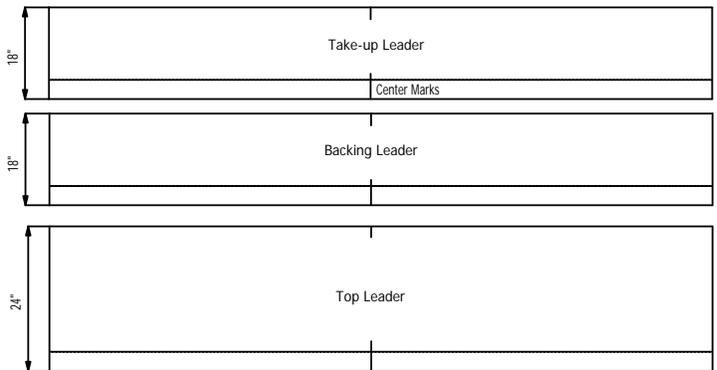
Leader Cloth

21

Section 2-1: High thread count fabric such as Muslin is recommended for Leader Cloth material.

Section 2-2: Cut your Leader Cloth fabric to the match that of the Leader Cloth Diagram and the width 6 inches shorter than your rail length. Surge or hem all edges.

Section 2-3: Pin the Leader Cloths to the appropriate sections of the quilt. (Fig. 1-2)



Leader Cloth Example

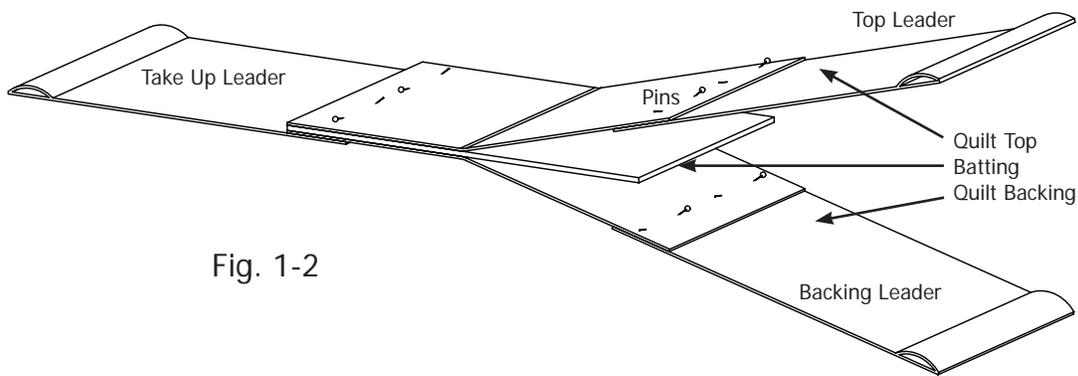
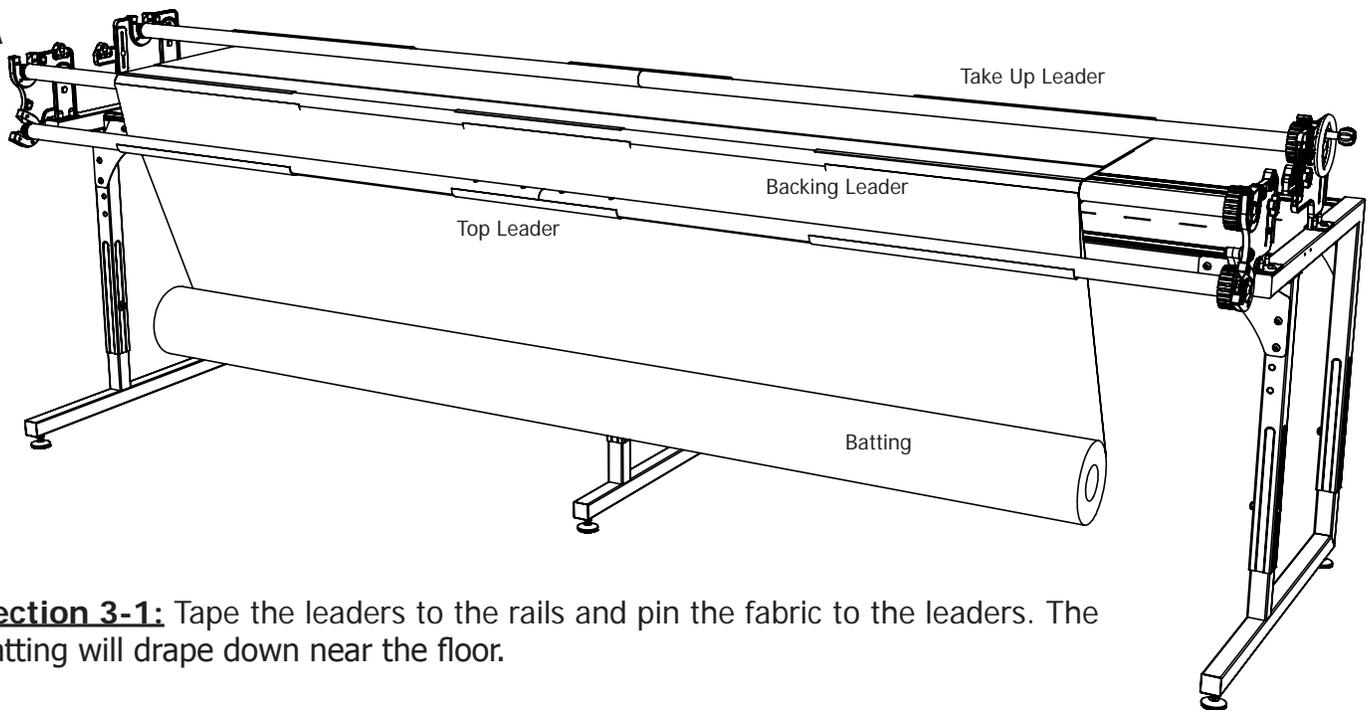


Fig. 1-2

Fabric Attachment

22

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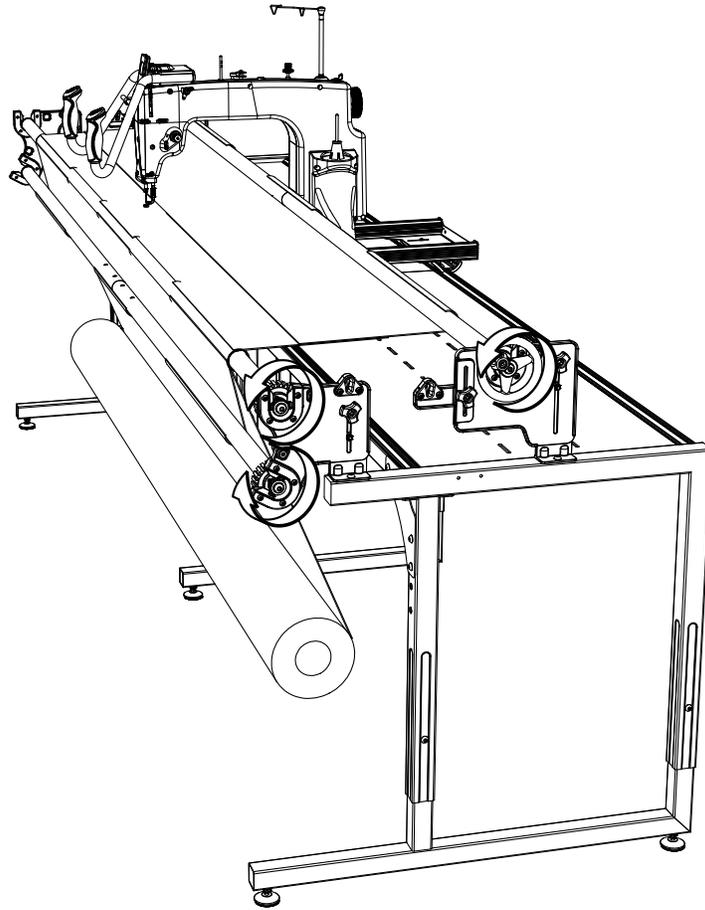


Section 3-1: Tape the leaders to the rails and pin the fabric to the leaders. The batting will drape down near the floor.

Note: There is a Batting rail option available for purchase.

22 Continued.

B



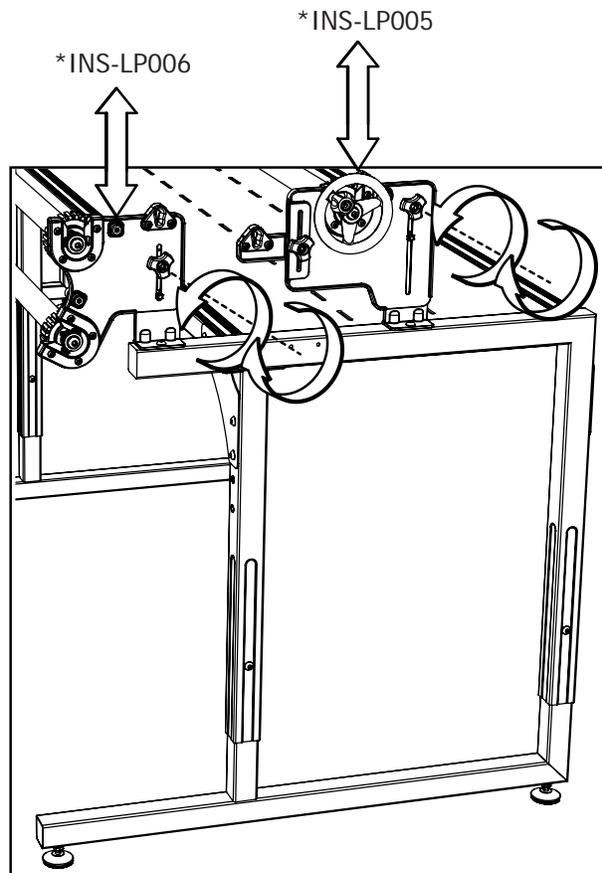
Support Assembly Adjustment

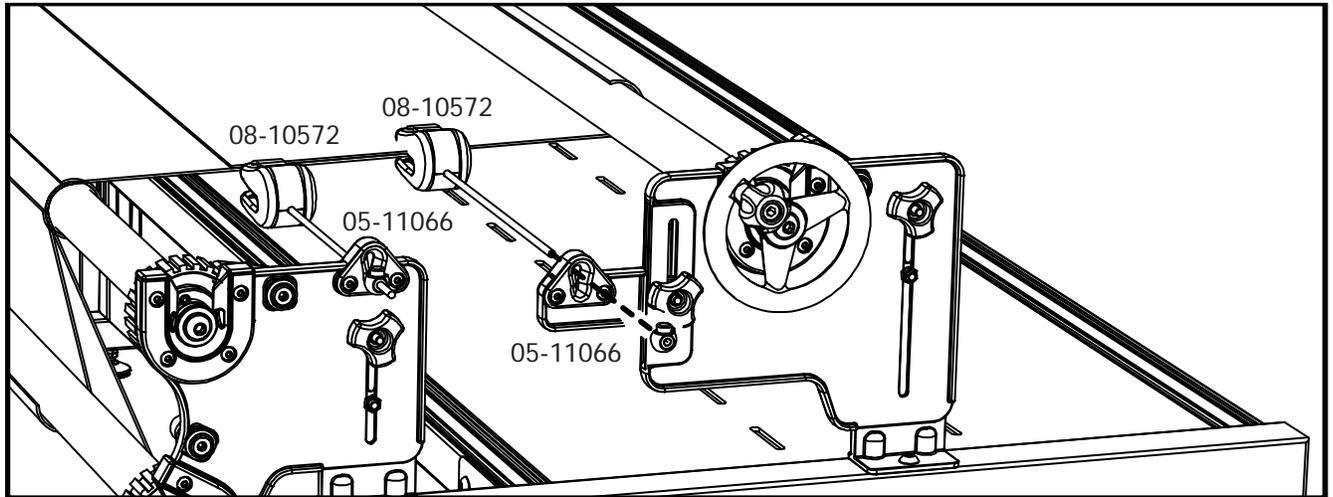
23

Section 4-1: Adjust the Support Assemblies by loosening the knobs and moving the assembly up or down as necessary to fit the batting in the throat of the machine.

Section 4-2: Adjust *INS-LP003 and *INS-LP005 such that the fabric lays flat in the throat of the machine as the take up rail roll gets larger.

Section 4-3: It will be necessary to adjust *INS-LP004 and *INS-LP006 such that the fabric lays parallel to the table top.





Troubleshooting and Tips

Quilting Tips:

- Be Careful not to sew too close to the edge, to prevent hitting your 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 upside down 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.

Appendix A

Part Number	Description	Part Number	Description
03-10742	6mm Allen Wrench	04-11014	Corner Brace
03-10741	5mm Allen Wrench	04-11015	Middle Rear Table Brace
03-10167	4mm Allen Wrench	04-11016	Middle Front Table Brace
03-10166	3mm Allen Wrench	04-11041	Track Coupler
03-10743	Box End Wrench 10-13	03-10257	Leveling Foot
03-10951	M8 x 16mm SBHCS	03-11160	M8 x 60mm SBHCS
03-10953	M6 x 10mm Connector Bolt	03-11158	M8 Washer 25mm OD x 9mm ID x 1mm
03-10973	M6 x 10mm Set Screw	03-10730	M8 Nyloc Nut
04-11005	38mm Rail	03-11070	M6 Rail Coupler Bolt
04-11039	Track Support	03-11159	M8 Washer 20mm OD x 11mm ID x 1.5mm
03-10124	M6 x 10mm SBHCS	05-11066	Bungee Stop
08-10572	Bungee Clamp	03-10726	M8 x 55mm SBHCS
05-11027	Plastic Track 10 ft		

Assembly Number	Description	Assembly Number	Description
01-A100171	Table	01-A100182	Rail End Ratcheting
01-A100172	Side Leg Left	01-A100183	Rail End Handwheel
01-A100173	Middle Leg	*INS-LP001	Inner Leg Assembly
01-A100174	Side Leg Right	*INS-LP002	Track Assembly
01-A100175	Rail Coupler Assembly	*INS-LP003	Take Up Rail Holder Left Assembly
01-A100176	Bottom Carriage Assembly	*INS-LP004	Front Rail Holder Left Assembly
01-A100177	Front Rail Support Assembly Left	*INS-LP005	Take Up Rail Holder Right Assembly
01-A100178	Front Rail Support Assembly Right	*INS-LP006	Front Rail Holder Right Assembly
01-A100179	Take Up Rail Support Assembly Left	*INS-LP007	Geared Rail Assembly
01-A100180	Take Up Rail Support Assembly Right	*INS-LP008	Geared Rail Assembly with Handwheel
01-A100181	Rail End Non-Ratcheting		

* Are for instruction purposes only.