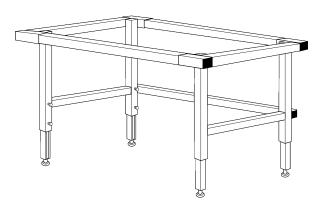


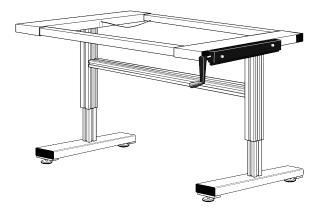
P.O. Box 695 Wayzata, MN 55391 Customer Service 952-404-1969 www.ergosource.com email - info@ergosource.com

Assembly Instructions



Parts List

User's Guide



Levitech Table Systems and Accessories

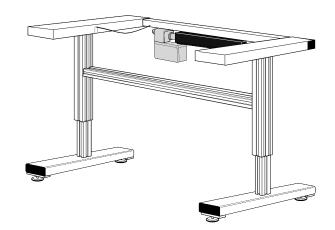


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How to Put the Levitech Table Together

CAUTION

Be sure to read all instructions before assembling the Levitech Table.

Note:

Motorized tables are not assembled when shipped. If you have purchased a motorized table, follow the assembly from step 1. To mount the motor on the rear rail, follow steps 1-6 and then skip to the section entitled "Changing the Location of the Electric Motor" on page 11.

1a). For the X-Series Tables, spread the legs to the width of the strut supplied. See page 16 or 17 for instructions. Insert 10-32X1.25 Socket Head Cap Screw (#31 Part No. 19F128KCS) through holes in cylinder washer(#24 Part No.1015 and start screws in nut plate(#25 Part No.1017), repeat assembly for both ends of strut. Then slide strut assembly into vertical channel of outer leg. Tighten strut six inches from under side of table arm support or locate as desired.

1b). For the L-Series Tables, spread the legs to the width of the rails supplied. If the length of the rail will make the table too wide for your application, refer to the section entitled "Cutting Rails to Custom Lengths" on page 10.

2. Insert (2) nut plates inside each rail and install rail inside upper sleeves (see diagram #20). **NOTE**! Slide one additional nut plate in upper rear rail for motorized tables (see page 11).

3. Adjust the bottom rail(s) so you can cap one of the sleeves with an endcap (the rail should be recessed at least 3/8" -see Figure 1). Put the nut plate in the nut plate channel at the bottom of the rail, and screw the 3/8" socket through the holes in the sleeve and tighten. Install endcaps with a rubber mallet. Tap the endcap in gently so it goes in evenly and not at an angle. Slide the rail gently against the endcap. Be sure to slide the rail gently or the endcap will de dislodged.

WARNING

Do not disconnect or cut the hydraulic lines at any point. They are factory sealed and have no user serviceable parts.

3. Continued

Figure 1. Bottom Rails Shown

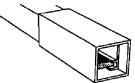


Figure 1. The nut plate should be in the nut plate channel at the bottom of the rail. Be sure the rail is recessed at least 3/8" so the endcap will fit in the end of the sleeve.

4. Slide the nut plate in the nut plate channel at the bottom of the rail until it is over the holes in the capped sleeve.

5. Screw the 3/8" socket head cap screws through the holes in the sleeve and the nut plate. *Finger tighten* the cap screws; leave the cap screws finger tight unit! step #6.

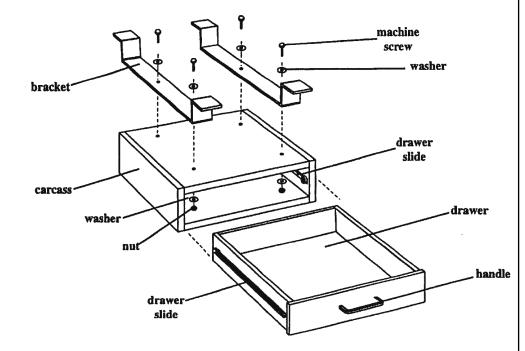
6. Repeat steps 2-5 for both legs until all the rails are in place and the cap screws are ginger tight. Be sure to leave at least 3/8" clearance at the end of each sleeve for the endcaps to fit in *Figure 1*. Cap every open sleeve with a plastic endcap.

7. Now tighten all cap screws firmly with the 5/16" hex key (supplied).

NOTE:

Verify that the legs are plumb to prevent inner legs from jamming.

How to Add a Hanging Pencil or Pencil/File Drawer



NOTE:

Be sure to add all drawers before attaching to the table top.

1. Take the drawer out of the carcass.

2. Remove the screws holding the handle in place on the inside of the drawer. Put the handle on the outside and secure it by seating the screws and washers on the inside. 3. Lower the drawer between the rails with the

carcass toward the front rail. Tilt the front brackets toward the front rail. Slowly slide the carcass toward the front rail so the rail goes into the jaw formed by the bottom of the bracket and the top of the carcass (*Figure 3*). Be sure the brackets are not on top of the sleeves.

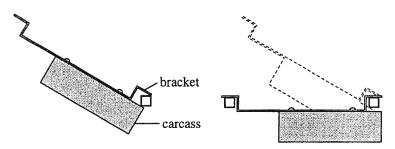
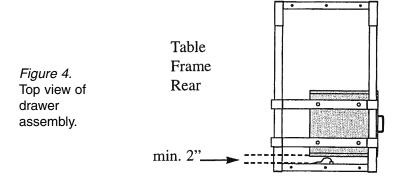


Figure 3. The front rail goes between the bracket and the carcass.

4. Lower the rear bracket onto the rear rail.

5. For hydraulic tables, be sure there is at least 2" between the table arm support and the carcass (*Figure 4*). If the carcass is closer than 2", the hydraulic hoses may be kinked or otherwise bepermanently damaged.



6. Retrun the drawer to the carcass.

How to Add a Table Top

NOTE:

If you are adding a recessed top to the XHT table be sure the front rail has not been installed.

Note: Drawer unit(s) must be installed before adding table top.

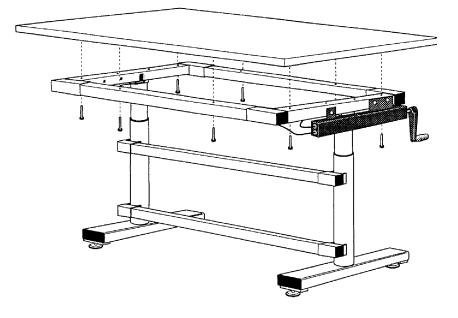
1. Be sure to add at least two new holes in each rail. Place the holes equal distant from the sides of the table. Use a 5/16" bit to drill the new holes. Each rail has a chamfer to mark a center line and to keep the drill bit from skittering while you are drilling.

2. When all new holes have been drilled, put the top on the table. If your table is a XHT, be sure the table top does not extend more than 2" beyond the front sleeve. If your table is a XHCT, be sure the table top does not extend more than 3 7/8" beyond the front edge of the table support arm.

3. With a pencil, mark all the holes in the rail and table arm supports on the underside of the table top.

4. Use the 1/8" bit to drill pilot holes in the underside of the table top. Do not drill holes deeper than 3/4".

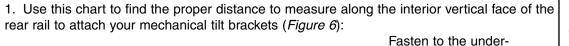
5. Using the self-tappling screws, fasten the table top to the frame.

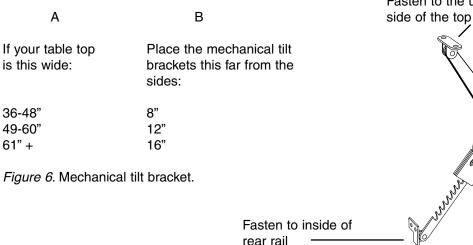


How to Add a Full Tilt Top (XHT & XHCT)

NOTE:

On the XHT Model, drawers must be installed before installing the table top.





2. Measure the proper distance along the interior vertical face of the rear rail and mark it. Center the lower mounting plate of the mechancial tilt brackets on the mark (*Figure 7*). Use the holes in the brackets to mark the holes to drill.

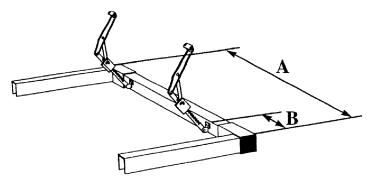


Figure 7. Refer to the chart in step 1. If your table top is width A, center the mechancial tilt brackts on a mark at the distance B from the edge.

3. Drill the holes and attach the lower mounting plate with the $1/4-20 \times 1$ " machine screws, lock washers and nuts provided (*Figure 8*). Be sure the distance from the top of the rail to the top of the lower mounting plate is the same for all mechanical tilt brackets.

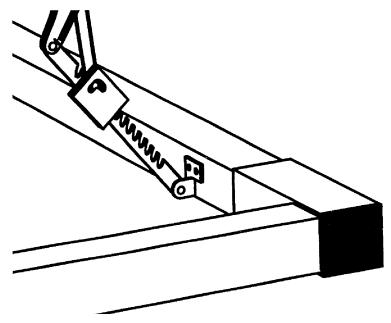


Figure 8. Be sure the distance from the top of the rail to the top of the lower mounting plate is the same for all brackets.

4. If you have an XHCT table, follow step #5 then skip to step #7. If you have an XHT table, follow step #6 and continue with step #7.

Adding the Full Tilt To an XHCT

5. A) Place the top on the table and adjust it as desired. Be sure the table top does not extend more than 3 1/8" beyond the front edge of the XHCT table arm support.

B) With a pencil, mark the table arm support position on the underside of the table top. Be sure to mark the inside and the front of the table arm support (*Figure 9*).

C) Remove the table top and turn it over. Align one of the leaf hinges on the table arm support guidelines just drawn. Be sure the pin of the hinge is toward the front edge of the table top. Mark the holes of the hinge on the table top.

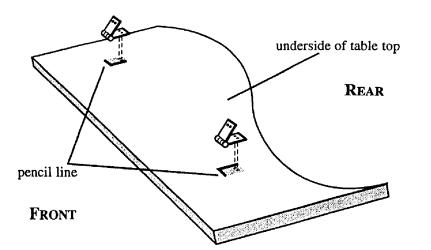


Figure 9. Mark the side and front of the table arm support on the underside of the table top, then mark the holes in the hinges. Be sure the pin of the hinge is toward the front edge of the table top.

- D) Remove the hinge and drill the holes. Do not drill holes deeper than 3/4".
- E) Repeat steps C & D for the other hinge.

Continued,

F) **NOTE**: Before you attach hinges to the table top, mark and drill the hinge holes on the table arm supports. Align one of the leaf hinges on the table arm support. Be sure the pin of the hinge is toward the fron of the table. Mark the holes of the hinge on the table arm support.

G) Remove the hinge and drill the holes.

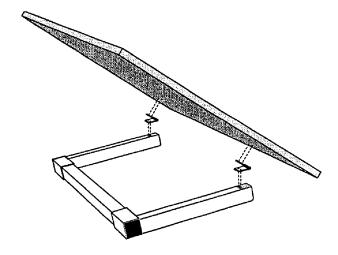


Figure 10. Screw both hinges in place on the table top before attaching then to the table arm supports.

H) Repeat steps F & G for the other hinge.

I) Screw both hinges in place on the table top before attaching them to the table arm supports (*Figure 10*).

J) Hold the table top so the holes in the other leaf of the hinge match the holes in the table arm support.

K) Screw the machine screws into the table arm supports. Add the nuts from the bottom. Support the table top until all fasteners are in place and tight.

L) Lower table top slowly onto the table arm supports.

Adding the Full Tilt Top to an XHT

6. A) Place the top on the table and adjust it as desired. Be sure the table top does not extend more than 1 1/4" beyond the front edge of the table arm support.

B) With a pencil, mark a line on the underside of the table top along the interior vertical face of the front rail (*Figure 11*). Remove the table top and turn it over.

C) Align one of the leaf hinges along the line you have just drawn. Be sure the ginge is at least 6" in from the edge of the table. Mark the holes of the hinge on the table top.

D) Remove the hinge and drill holes. Do not drill holes deeper than 3/4".

E) Repeat steps C & D for the other hinge.

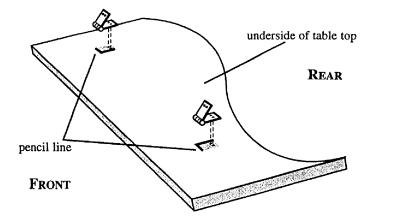


Figure 11. Be sure the pin of the hinge is toward the front edge of the table top and that the hinges are the same distance in from the edge, at least 6".

Continued,

F) Screw the hinges in place on the table top.

G) Replace the top on the table and adjust it as desired. Be sure the free leaf of the hinge is hanging down in front of the front rail (*Figure 12*).

H) Drill holes in the front rail through the holes in the leaf hinges.

I) Screw in the machine screws and add the nuts and lock washers through the nut plate channel.

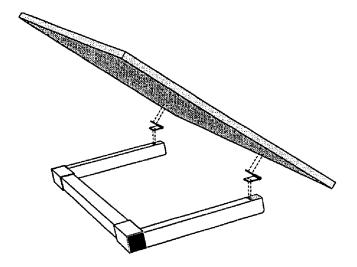


Figure 12 Be sure the free leaf of the hinge is hanging in front of the front rail.

7. For XHT and XHCT

Collapse one of the mechanical tilt brackets by expanding it to its maximum angle and then gently bringing the two halves together. Hold the free end of the bracket against the underside of the table top and mark the holes to drill. Repeat this step for any other brackets.

8. Lift the table top and drill the pilot holes. Do not drill holes deeper than 3/4"

9. Let the table top down and screw the free ends of the mechanical tilt brackets to the table top (*Figure 13*). Installation is complete. To raise and lower the top, see the section entitled "How to Raise the Cut-Out Tilt Top" on Page 9.

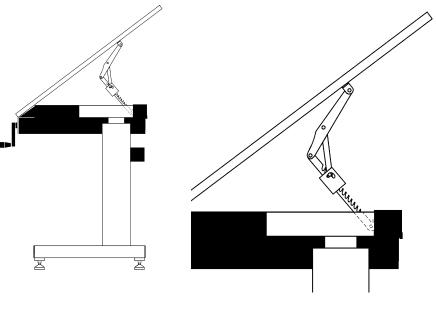
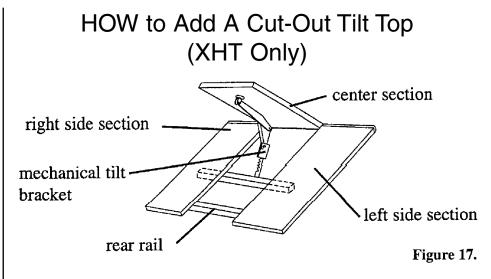


Figure 13



1. Place and center all three top sections on the table frame. Leave approximately 1/8" of a gap between each section. Make sure that the table top edge does not extend more than 2" beyond the front sleeve. All sections should be parallel and all three front edges should be flush.

NOTE: For the purpose of these instructions we will show the center section tilting, however any one of the sections may be raised to fit your application.

2. With a pencil, mark all the holes in the table arm supports on the underside of the right and left side top sections.

NOTE: Leave the center section in place while you are marking, drilling and fastening side sections in order to ensure proper alignment.

3. Turn one of the side sections over and use the 1/8" bit to drill pilot holes in the underside of the table top section. Do not drill holes deeper than 3/4".

4. Turn the side section right side up and screw the self-tapping screws through the holes in the table arm supports and the rails and then into the table top.

Continued,

5. Repeat Steps 3 and 4 for the other side section.

6. Remove the center section. Fasten the 42" rail (provided) to the underside of the right and left table sections with the machine screws provided (*Figure 14*). You will need to mark and drill holes in the 42" rail that match the predirilled holes on the underside of each section. NOTE: Make sure to drill the 2sets of holes at an equal distance from the outside edges of the 42" rail.

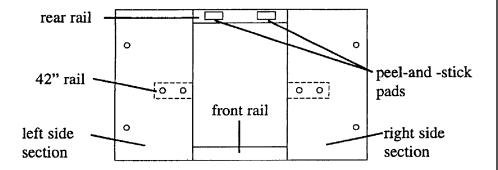
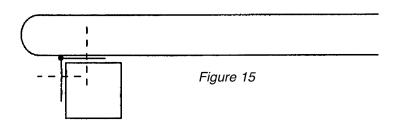


Figure 14. The 42" rail and the peel-and-stick pads must be in place before adding the hinged section.

7. Place peel-and-stick rubber pads on the rear rail as shown in Figure 14.

8. Place the hinge on the front rail as shown in *Figure 15* and center it between the two side panels.



Continued,

9. Replace the center section and center it as desired. Make sure all three table edges are flush with the hinge in place and that there is an even gap on the left and right side of the center section.

10. Mark the position of the hinge on the underside of the centert section of the table top. Mark along the side of the knuckle facing the front of the table.

11. Remove the center section and turn it over. Align the knuckle of the hinge along the guideline just drawn, keeping it centered on the table top section. Be sure the knuckle is toward the front edge of the table top section.

12. Using the hinge as a template, mark the holes of the hinge on the underside of the table top.

13. Remove the hinge and drill the holes. Do not drill holes deeper than 3/4".

14. Screw the hinge in place on the table top.

15. Replace the center section with the free leaf of the hinge hanging down in front of the front rail. Re-center the center section between the side section.

16. Drive the self tapping screws into the front face of the rail.

17. Measure the center of the inside vertical face of the 42" rail. Mark with a vertical straight line.

Continued,

18. Place the lower mounting plate of the mechanical tilt bracket so that the two drill holes are centered on either side of the vertical line (*Figure 16*). Mark the holes to drill

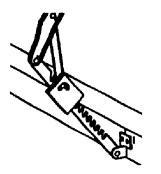


Figure 16.

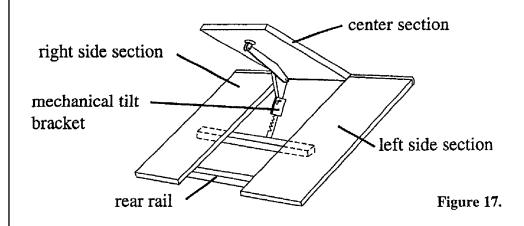
19. Drill the holes and attach the lower mounting plate to the rail face with the 2" machine screws, sleeves, lock washers and nuts provided.

20. Collapse the mechanical tilt bracket by expanding it to its maximum angle and then slowly bringing the two halves together. With the center section all the way down (horizontal) hold the free end of the bracket against the underside of the center section and mark the pilot holes.

21. Lift the center section and drill the pilot holes. Do not drill holes deeper than 3/4".

22. Let the center section down and screw the free ends of the mechanical tilt brackets to the table top with the screws provided (*Figure 16*).

How to Raise the Cut-Out Tilt Top



1. Grasp the cut-out top at the upper edge, lift gently to the desired angle, and release. The tilt bracket should lock in place and keep the cut-out top at the desired angle.

2. To return the cut-out top to its level position, grasp the cut-out top on the upper edge and lift gently to the maximum angle (*Figure 17*). The tilt bracket will release. Slowly lower the cut-out top to its level position.

3. To increase the angle of the cut-out top, grasp it on the top edge, lift gently to the desired angle, and release it.

4. To decrease the angle of the cut-out top, grasp it on the upper edge and lift gently to the maximum angle. The tilt bracket will reslease. Slowly lover the top past the desired angle, then raise the top to the desired angle and release it. The tilt bracket will lock in place. The tilt bracket indexes at 14 stops.

Cutting the Rails to Custom Lengths

- 1. Determine your overall table width.
- 2. Cut the rails at least 3/4" shorter than the overall desired table width.

3. The rails can be cut with a carbide-tipped blade in a power miter box or a hacksaw.

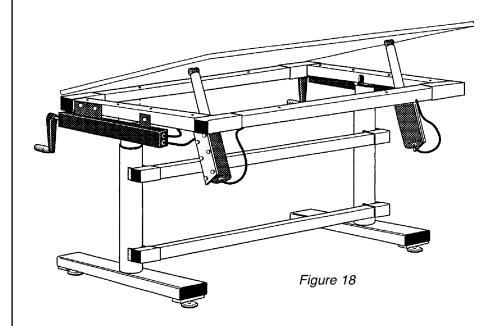
4. Imperfect cuts will be hidden inside the sleeves when assembly is complete.

5. To complete table assembly, return to Step 1 in the section entitled "How to Put the Levitech Table Together".

Setting up the Hydraulic Tilt Table

1. The hydraulic tilt top table is shipped fully assembled.

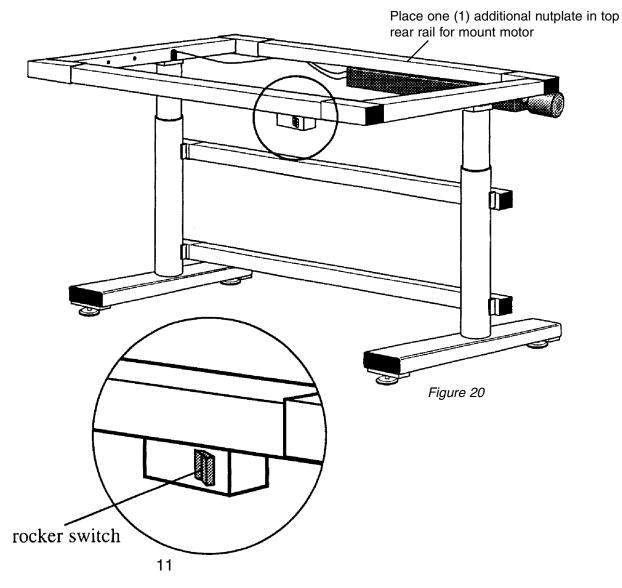
2. Before tilting the table top, be sure the roller will track front to rear. The rollers are in the proper position when they are parallel to the sides and the roller axle is parallel to the front and rear of the table (*Figure 18*).



How to Operate the Electric Table

1. Plug the motor into any 110 Volt outlet.

2. The rocker switch controls the height of the table (*Figure 20*). It is in the off position when released. To raise the table, press the bottom half of the switch. To stop the table at the desired height, release the switch.



Motorized Table Assembly

- 1. Verify that motor is unplugged.
- 2. Slide nut plate for motor mount in upper rear rail.

3. Position and secure lift using 2 each 3/8-16 x 3/4" socket head cap screws. Assembly from the table arm support by removing the three screws in the mounting plate.

Workstation Accessories Assembly

Planning Your Levitech Workstation:

1. List and prioritize all articles that are utilized in the execution of the task(s). Included components, tools, instruments, references and equipment.

2. Based on the prioritization of the articles above. Plan a workstation layout assigning each location that will minimize the operators reach and optimize the operators vision.

3. Evaluate the flow of raw and finished material to and from the workstation. Verify that the safest and most efficient methods are being utilized.

Assembly Tools Required:

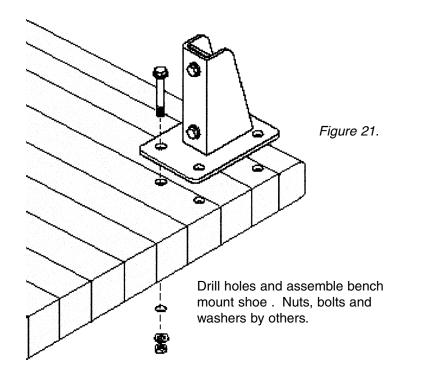
- 1. Open End Wrench or Socket 1/2" (13mm).
- 2. Open End Wrench or Socket 9/16" (14mm).
- 3. 2 ft. Level.
- 4. Drill and Drill Bits.

5. Screw driver, hex keys as needed for hardware provided by others.

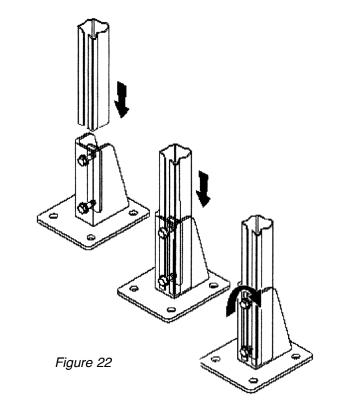
Workstation Accessories Assembly

1. Determine bench mount shoe (WS50-TB) location. Inside dimension of columns for different table top sizes is as follows:

Top Width	Inside to Inside Column						
36"	30"						
48"	42"						
60"	54"						
72"	66"						

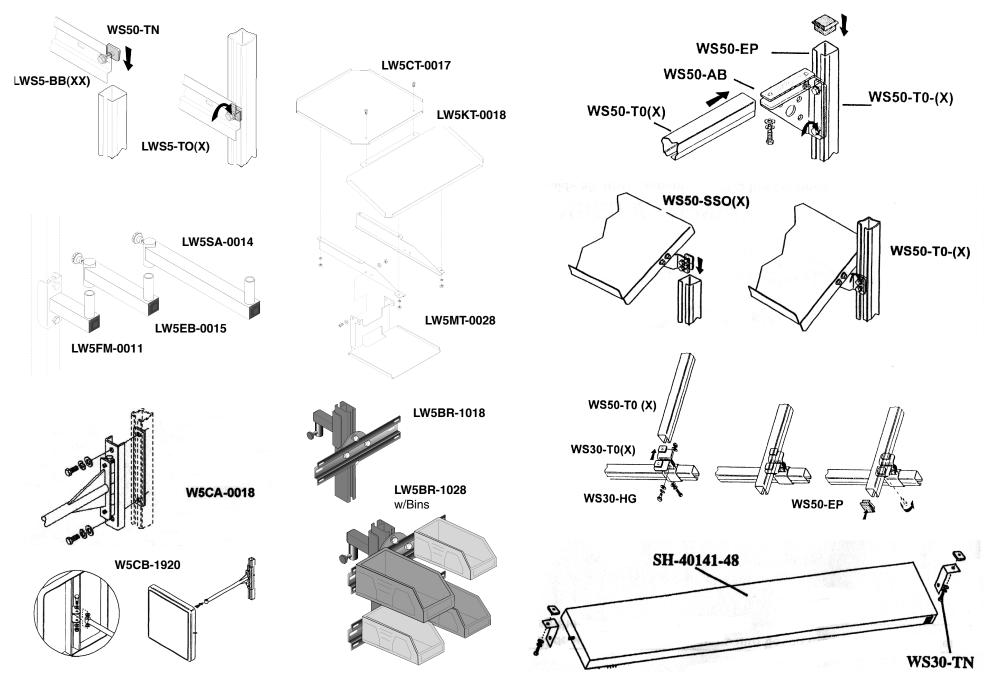


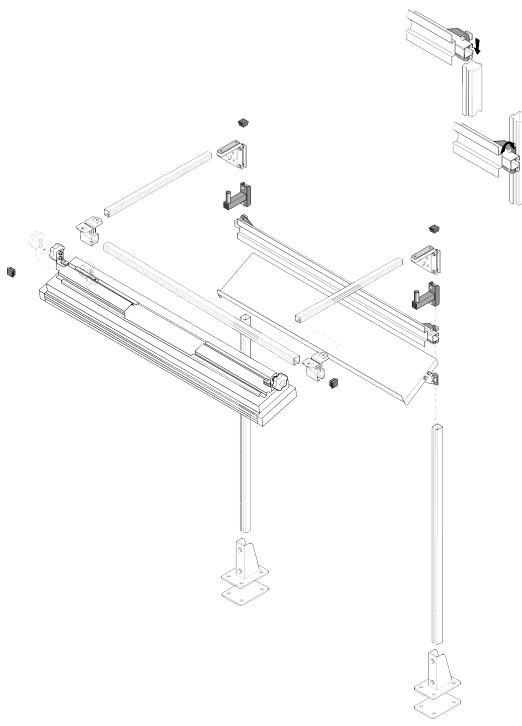
2. Slide vertical support columns into bench mount shoe and fasten using the 9/16" wrench (*Figure 22*).



3. Slide all other components into the columns. Insert first components that you need closest to the work surface top. Properly position components making sure unit is plumb, level and square. Adjust components to fit the individual operator. Tighten all cap screws, securely clamping all components to the columns and rails. Install end plugs as needed. Mount lights, bins, etc. Verify that the final layout and adjustments will maximize the operator efficiencies and comforts.

Workstation Accessories



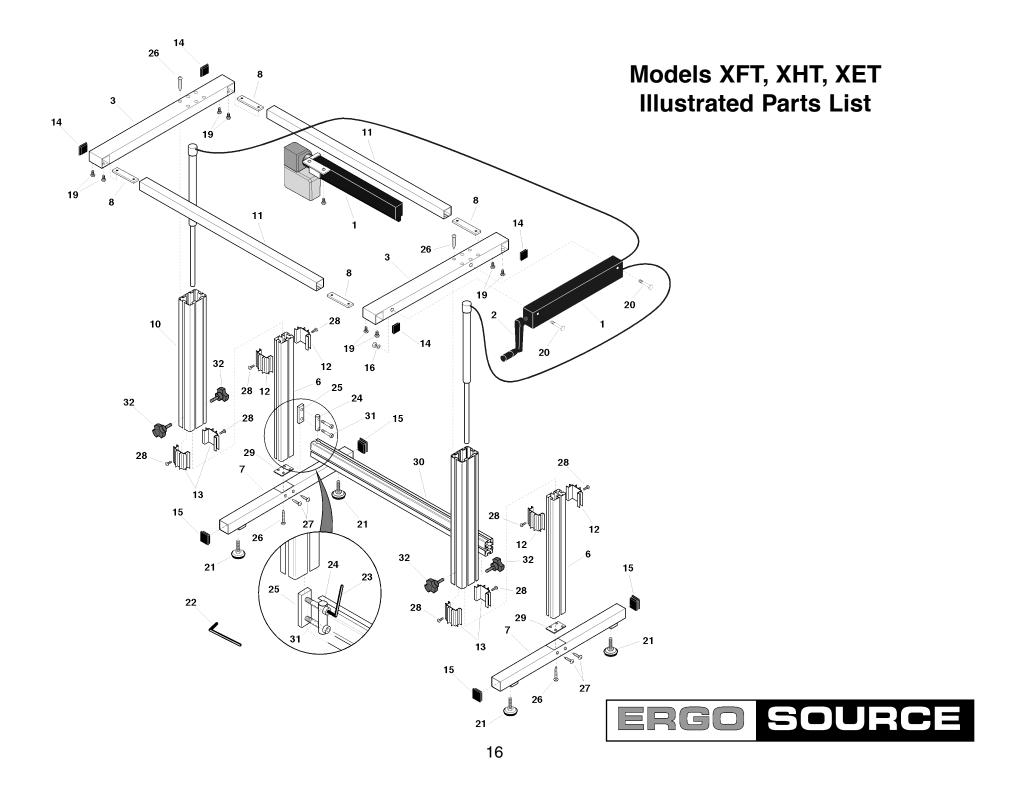


Accessories Parts List

LWS-TTM Bench Mount Shoe WS50-BB(XX)* Bin Rail LWS5-TO(X)* Support Column LWS3-T05 Support Column W5CA-0018 Swing Arm LW5BR-1018 **Bin Rack-Single** LW5BR-2018 **Bin Rack-Double** Bin Bar LWS5-BB(XX) **CRT** Swivel Tray LW5CT-0017 Keyboard Tray LW5KT-0018 w/Supports Mouse Pad Tray LW5MT-0028 Front Mont Base LW5FM-0011 Assembly W5CA-0018 Swing Arm LW5EB-0015 5" Elbow Assembly LW5SA-0014 10" Swing Arm Assembly End Plug LWS-3EP LWS-5EP End Plug LWS-AB Angle Bracket Assembly Shelf w/Brackets LWS5-SS(XX)* LWS3-HG Hanger Assembly LWS5-HG Hanger Assembly WBL-204A Task Light WS50-TN Track Nut LWPB-30(XX) Power Bar

* (X) means there is more than one number for different sizes of the part.

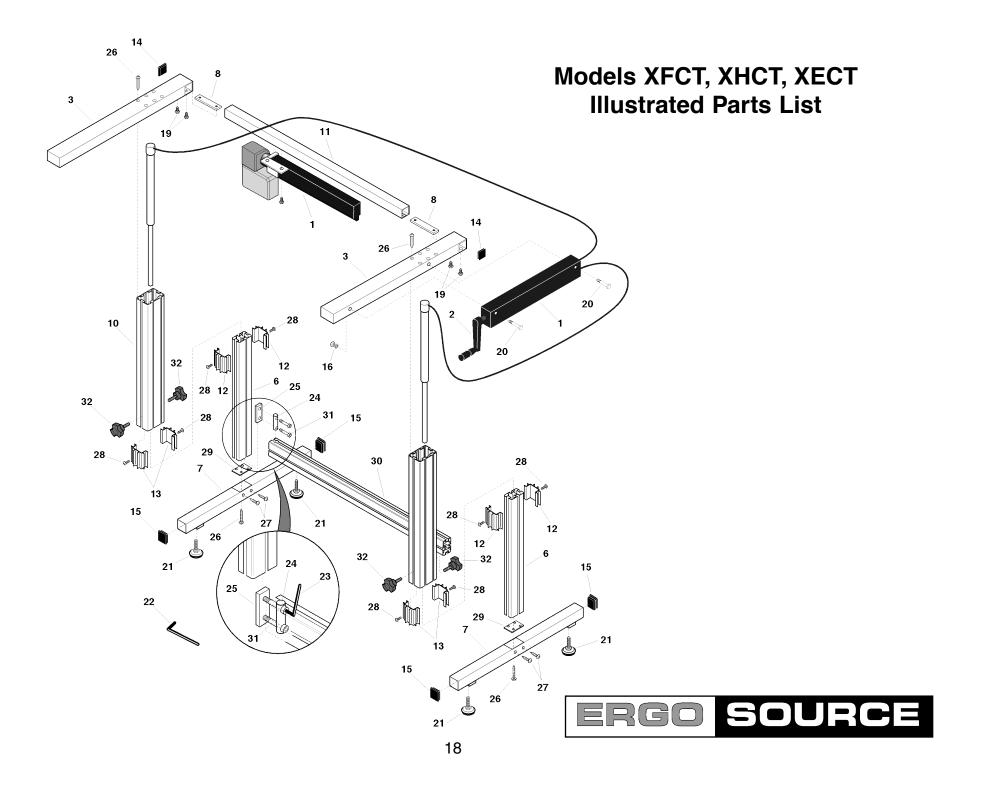




	Model XFT Model XHT Model XET						
Key	Description	Qty.	Part Number	Qty.	Part Number	Qty.	Part Number
1	Levitech Lift	0	N/A	1	LM2T16	1	LE2T16
2	Lift Hande	0	N/A	1	PLH-05W	0	N/A
3	Table Arm Support	2	1005	2	1005	2	1005
6	Inner Leg	2	1003	2	1003	2	1003
7	Foot	2	1007	2	1007	2	1007
8	Nut Plate	4	M1030	4	M1030	5	M1030
10	Outer Leg	2	1001	2	1001	2	1001
11	Rail	2	109542-05-001	2	109542-05-001	2	109542-05-001
12	Bearing, Inner	4	1002H/F	4	1002H/F	4	1002H/F
13	Bearing, Outer	4	1002F	4	1002F	4	1002F
14	End Plug	4	SQR-2-10-14	4	SQR-2-10-14	4	SQR-2-10-14
15	End Plug	4	SRQ-2-1/4-10-14	4	SRQ-2-1/4-10-14	4	SRQ-2-1/4-10-14
16	#10 SAE Flat Washer	0	N/A	2	19NWSA0Z	0	N/A
17	10-32 Hex Nut	0	N/A	2	19FNMS0Z	0	N/A
19	3/8-16 SHCS	8	37C75KCS	8	37C75KCS	10	37C75KCS
20	10-32X2 BHCS	0	N/A	2	19F200KBC	0	N/A
21	Glide	4	7661-6-B-2	4	7661-6-B-2	4	7661-6-B-2
22	5/16 Arm Key	1	312NKSA	1	312NKSA	1	312NKSA
23	5/32 Allen Wrench	1	5/32 Allen Wrench	1	5/32 Allen Wrench	1	5/32 Allen Wrench
24	Cylinder Washer	2	1015	2	1015	2	1015
25	Nut Plate	6	1017	2	1017	2	1017
26	#10-32X1 Trilobular Screw	20	19F100UHWHITF	20	19F100UHWHITF	20	19F100UHWHITF
27	#10-32X1/2 PHS	8	19F50CXPOZ/F	8	19F50CXPOZ/F	8	19F50CXPOZ/F
28	#8-32X1/2 Phillips SMS	12	16N50TXP0Z/A	12	16N50TXP0Z/A	12	16N50TXP0Z/A
29	End Plate	2	1008	2	1008	2	1008
30	Strut	1	1003	1	1003	1	1003
31	10-32X1 1/4 SHCS	4	19F125KCS	4	19F125KCS	4	19F125KCS
32	10-32X3/4 SHCS	4	19F75KCS	0	N/A	0	N/A

PARTS LIST

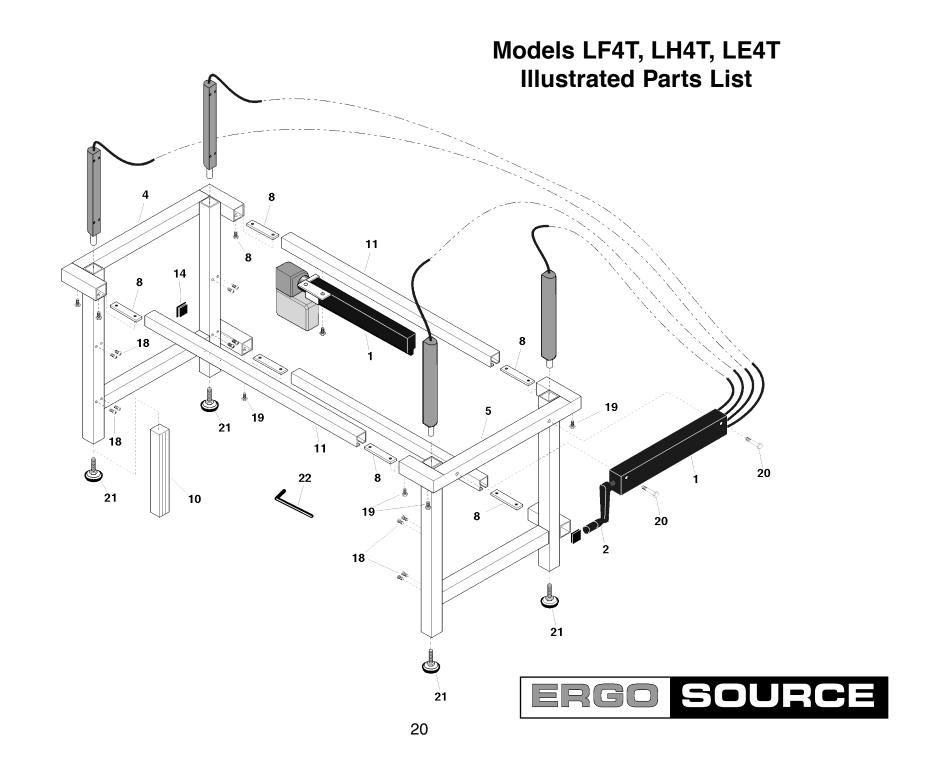




PARTS LIST								
Model XFCT Model XHCT Model XECT							XECT	
Key	Description	Qty.	Part Number	Qty.	Part Number	Qty.	Part Number	
		-					1	
1	Levitech Lift	0	N/A	1	LM2T16	1	LE2T16	
2	Lift Hande	0	N/A	1	PLH-05W	0	N/A	
3	Table Arm Support	2	1004	2	1004	2	1004	
6	Inner Leg	2	1003	2	1003	2	1003	
7	Foot	2	1009	2	1009	2	1009	
8	Nut Plate	2	M1030	2	M1030	3	M1030	
10	Outer Leg	2	1001	2	1001	2	1001	
11	Rail	1	109542-05-001	1	109542-05-001	1	109542-05-001	
12	Bearing, Inner	4	1002H/F	4	1002H/F	4	1002H/F	
13	Bearing, Outer	4	1002F	4	1002F	4	1002F	
14	End Plug	4	SQR-2-10-14	4	SQR-2-10-14	4	SQR-2-10-14	
15	End Plug	4	SRQ-2-1/4-10-14	4	SRQ-2-1/4-10-14	4	SRQ-2-1/4-10-14	
16	#10 SAE Flat Washer	0	N/A	2	19NWSA0Z	0	N/A	
17	10-32 Hex Nut	0	N/A	2	19FNMS0Z	0	N/A	
19	3/8-16 SHCS	4	37C75KCS	4	37C75KCS	6	37C75KCS	
20	10-32X2 BHCS	0	N/A	2	19F200KBC	0	N/A	
21	Glide	4	7661-6-B-2	4	7661-6-B-2	4	7661-6-B-2	
22	5/16 Arm Key	1	312NKSA	1	312NKSA	1	312NKSA	
23	5/32 Allen Wrench	1	5/32 Allen Wrench	1	5/32 Allen Wrench	1	5/32 Allen Wrench	
24	Cylinder Washer	2	1015	2	1015	2	1015	
25	Nut Plate	6	1017	2	1017	2	1017	
26	#10-32X1 Trilobular Screw	20	19F100UHWHITF	20	19F100UHWHITF	20	19F100UHWHITF	
27	#10-32X1/2 PHS	8	19F50CXPOZ/F	8	19F50CXPOZ/F	8	19F50CXPOZ/F	
28	#8-32X1/2 Phillips SMS	12	16N50TXP0Z/A	12	16N50TXP0Z/A	12	16N50TXP0Z/A	
29	End Plate	2	1008	2	1008	2	1008	
30	Strut	1	1003	1	1003	1	1003	
31	10-32X1 1/4 SHCS	4	19F125KCS	4	19F125KCS	4	19F125KCS	
32	10-32X3/4 SHCS	4	19F75KCS	0	N/A	0	N/A	

PARTS LIST





PARTS LIST

			Model LF4T		Model LH4T		Model LE4T
Key	Description	Qty.	Part No.	Qty.	Part No.	Qty.	Part No.
1	Levitech Lift	0	N/A	1	LM4X12	1	LE4X12
2	Lift Handle	0	N/A	1	PLH-05W	0	N/A
3	#10-32X3.25 SHCS	0	N/A	2	19C325KBC	0	N/A
4	Left End Frame	1	LH4T-EF-LH	1	LH4T-EF-LH	1	LH4T-EF-LH
5	Right End Frame	1	LH4T-EF-RH	1	LH4T-EF-RH	1	LH4T-EF-RH
8	Nut Plate	10	M1030	6	M1030	6	M1030
10	Manual Leg	4	109542-18	0	N/A	0	N/A
11	Rail	3	109542-05-001	3	109542-05-001	3	109542-05-001
14	End Plug	2	2022-14-14	2	2022-14-14	2	2022-14-14
18	1/4-20X3/8 SCHC	0	N/A	16	25C37KBC	16	25C37KBC
19	3/8-16X3/4 SCHC	20	37C75KCS	12	37C75KCS	14	37C75KCS
21	Glide	4	7661-6-B-2	4	7661-6-B-2	4	7661-6-B-2
22	5/16 Arm Key	1	312NKSA	1	312NKSA	1	312NKSA
	Foot for Rail Leg	4	LF4T-FT	0	N/A	0	N/A

