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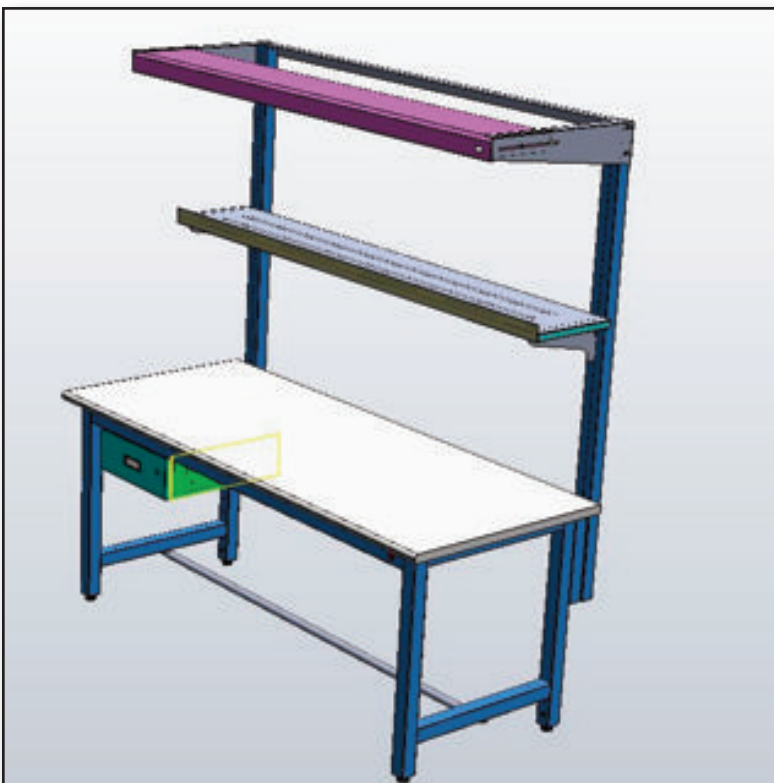
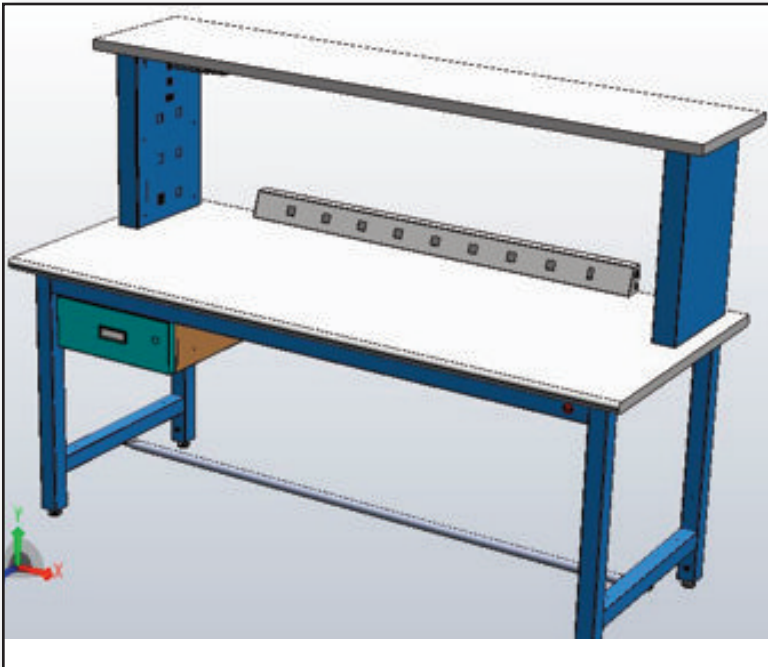


## PB Bench Assembly Manual



### Parts discription and hardware list

E243365 14GU



- 1) PB Legs, two per bench, 16ga tubular steel
- 2) (4) Adj leg extenders, 1.75 Sq tubing  
(8) 1/4-20 x 5/8 bolts
- 3) Front / Rear beams, two per bench, 16ga steel  
(4) double nut plated, (8) 1.4-20 x 1 bolts
- 4) Work surface, 1.3/16 industrial grade PB  
(10) 1" wood screws
- 5) EL channel, 8 outlets, on-off switch, circuit breaker  
(4) 3/4 wood screws
- 6) Riser panels 12" x 20".(set), 16ga formed steel  
(8) 1" wood screws
- 7) Laminated riser shelf 15" or 12" deep,  
(2) shelf bkts (4) 1" wood screws (4) washers
- 8) Load beam for riser shelf, 14ga formed steel  
(10) 3/4" wood screws
- 9) "Optional" riser cover panels (set)  
(12) 1/2 Sheet metal screws
- 10) Footrest tube, 1" 16ga round  
(2) single nut plate (2) 1/4-20-1 bolt
- 11) Drawer, 6" or 12" or combo 6/12  
(2) 1/4-20-3/4 Bolt
- 12) "Z" bracket, for mounting drawer to surface  
(2 - 3) 1" wood screws (2) 1/4-20-3/4 nut/bolt
- 13) Rear beam electrical cover plate, Optional w/EL  
(3) self tapping screw (3) 3/4 wood screw
- 14) ESD ground bolt, optional w/ESD up-grade  
(2) 1.5 Sq head bolt (2) 1/4-20 nut

### Tools needed:

- Power driver
- 3/8 socket
- 5/16 socket
- Measuring Tape
- Phillip driver tip

## **IMPORTANT SAFETY PRECAUTIONS**

WSI provides electrical service to the workbench for commercial use only.

When using the PB workbench with electrical options, basic precautions should always be followed,

**Read all instructions prior to proceeding and you should always save these instruction:**

**DANGER** – To reduce the risk of electric shock:

- 1) When connecting the power, cleaning the work surface or servicing any part of the electrical system, make sure that the workstation is unplugged from the outlet or the power is turned off at the breaker.
- 2) When a two circuit electrical system is used with two power cords, always unplug all the power cords when servicing, cleaning or putting on or taking off parts.

**Warning:** To reduce the risk of burns, fire, electric shock, or injury to Persons:

- 1) Supervision is necessary when this workbench is used by or near children, invalids, or disabled persons.
- 2) Use this furnishing only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.
- 3) Keep the power cord away from any heated surfaces.
- 4) Unplug from outlet before putting on or taking off parts.
- 5) Keep liquids at a safe distance from the electrical outlets
- 6) Never use the electrical system if it has a damaged cord or plug, or if not working properly
- 7) Never drop or insert any object into any electrical opening.
- 8) Never take or use outside.
- 9) Always connect the workstation to a properly grounded outlet only.
- 10) Do not use this furnishing to support video equipment such as televisions or computer
- 11) To disconnect, turn all controls to the off position, then remove the plug the from the outlet.
- 12) Do not operate where aerosol (spray) product are being used, or where oxygen is being administered.

**Warning:** Risk of electrical shock- Connect this workstation to a properly grounded outlet only. See grounding instructions in grounding section.

**DANGER:** Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

## **GROUNDING INSTRUCTIONS**

This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a power cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. This product is for use on a nominal 120-volt circuit and has a grounding plug that looks like the plug illustrated in sketch A, Make sure that the product is connected to an outlet having the same configuration as the plug.

**No adapter should be used with this product.**

**Make sure that you follow all important safety precautions as noted on the above page.**

## ***For permanently connected product:***

### **GROUNDING INSTRUCTIONS :**

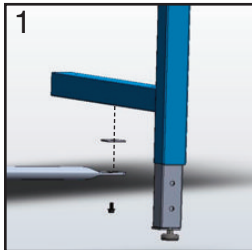
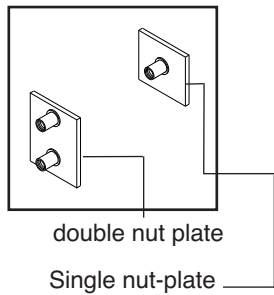
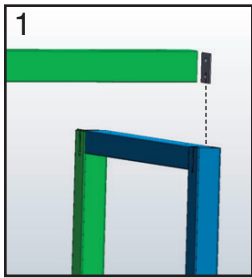
This product must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the product. Square is also able to be marked on the product.

**To proceed, please following the itemized list of instructions below.**

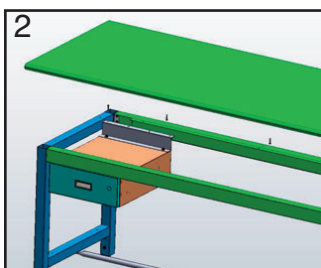
- 1) Electrical Installation power cord application and hard wire application:  
Cord application: Power cord comes pre-installed on the Electrical bench.  
Once the workbench is assembled simply plug the power cord into a grounded receptacle.

## **“Caution”**

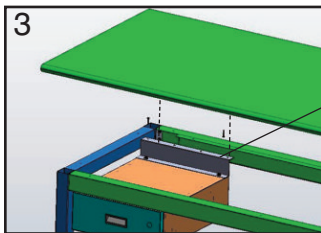
when servicing, cleaning always unplug both power cords or turn off both circuits at the breaker. Permanent or hard wire application, “Pigtail”; Installation will be the same with the exception of the power cord, there will not be a power cord supplied. The lower trim panel will have two knock outs for permanent wire connection. It is best to have a licensed electrician to make the final connection hard wiring application.



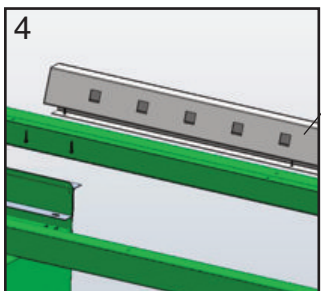
Foot rest tube and Leg extender



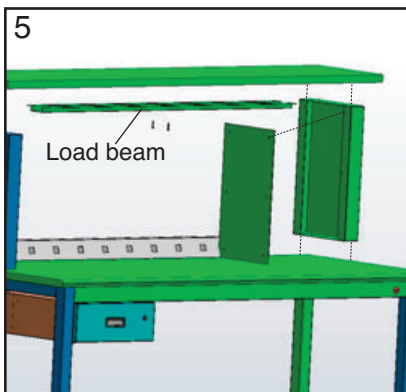
Work surface Assy



Z bracket



Electrical Assembly



Load beam

### 1) Frame attachment:

- 1) Attach the nut plate to both sides of the front and rear beams using a 1" Bolt leave loose.
- 2) Slide one side of the either beam into the inside of the leg, then the other side, tighten down securely...
- 3) Attach the other beam to each side of the leg, using the same attachment method as above.
- 4) Slide the leg extender into the bottom of the leg at the desired height. Fully inserted represents 30" H and fully extended is 36"H leg extenders adjust on 2" increments.
- 5) Tighten down using the 5/8" bolt

### 2) Work surface Assembly, \*\*Mounting holes are not pre-drilled\*\*

- 1) Now the frame is assembled, place the work surface on the ground finished side down, now place the frame onto the work surface.
- 2) Before securing the work surface, make sure that the frame is offset by 2" from both sides on the work surface, (2" is approximate)
- 3) Attach frame to one corner of the work surface using 1" wood screws.
- 4) Now attach the adjacent corner of the frame to the surface, this will keep the frame square, now attach the balance for the frame.

### 3) Drawer Attachment

- 1) Take drawer out of the case by pressing the black tabs on both sides of drawer, pull drawer out,
- 2) Attach the "Z" brackets at the rear of drawer case using 3/4" bolt/nut
- 3) Place the cabinet onto the front beam, bolt the cabinet to the front beam using a 5/8" bolt,
- 3) Secure "Z" bracket to rear of the w/surface using our 1" wood screws
- 4) Place the drawers back into the cabinet, line up sides and push inward

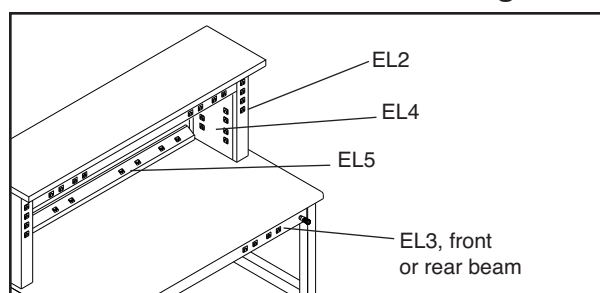
### 4) Electrical attachment:

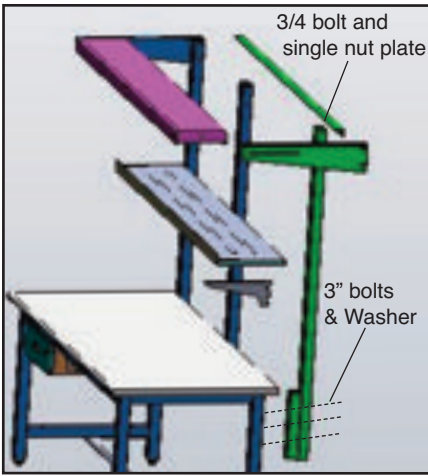
- 1) When using (EL3) electrical option in rear beam, you will need to attach the rear cover panel to the top of the beam using 1/2" self tapping screws and 3/4" wood screws to the bottom of the w/ surface.
- 2) When using electrical in the riser panel (EL4) secure using 1/2 self tapping screws, make sure power cord is at the bottom
- 3) Work surface mounted Electrical (EL5), slide the channel onto the rear of w/surface, secure using 3/4" wood screw
- 4) Ground bolt, thread the 1.5" zink plated shoulder bolt into each corner use 7/16 flang nut under w/surface, tighten

### 5) Riser shelf attachment: \*\*Mounting holes are not pre-drilled\*\*

- 1) Lay the shelf upside down on the work surface
- 2) Set one riser box 1" in from the rear edge and 1" in from the side edge of the shelf, secure using 1" wood screws
- 3) Do the same to the other side and secure using 1" wood screws
- 4) Attached the load beam, centered on the underside of the shelf using 1" wood screws
- 4) Place the shelf w/riser boxes back on work surface, same 1" spacing, as above, secure to work surface using "1" wood screws
- 5) "Optional" side panel attachment, either plain cover panels or EL4 electrical panels, secure to riser box using .5" self tapping SM screws,

### Part No. clarification of EL configurations



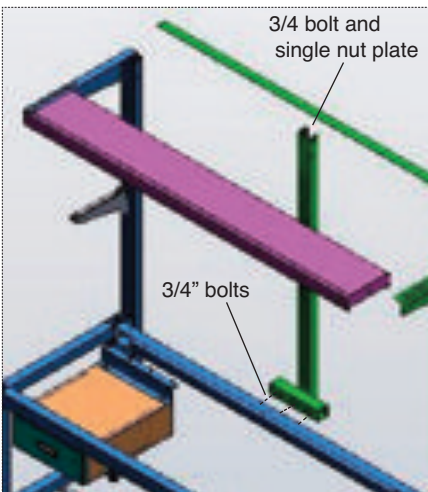


## 6) Slotted Upright option assembly:

**\*Slotted uprights are used without the Riser shelf option\***

**\*\*Install uprights before the work surface is put on\*\***

- A) Standard slotted uprights option, two frame mounted uprights
  - 1) Line one upright with holes on the rear of the frame, secure with 3" bolts and washer, do the same to the other side, tighten,
  - 2) Measure left to right just under the rear beam, make sure the front is square, adjust the legs if necessary, bump one side in or our
  - 3) Top cross bar, (**if withouts lights**), attached to rear of upright using 1.5" Sq single nut plate and 3/4" bolt.
  - 4) **With light option**, attach light angle brackets to uprights w/ 3/4" bolts
  - 5) Attached top cross bar to rear of the angle brackets w/3/4" bolt
  - 6) *Economy Light Option*, secure the light bar to the top angle brackets using 3/4 nut and bolt
  - 7) *OHL Light Option*, secure the light box directly to the angle brackets using 1/4-20 x 3/4 7/16 nut and washer, (show with OHL)



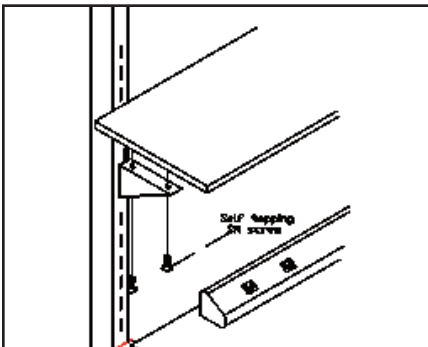
## 7) Split Shelf Slotted Upright option assembly:

**\*\*Install uprights before the work surface is put on\*\***

- 1) Same as above but attach the center upright to the center of the rear 3 beam using 3/4" bolts
- 2) Top cross bar will attached to all three uprights using 1.5 Sq single nut plate.
- 3) *With light option*, no angle bracket will be attached to center upright with 1/4-20 x 3/4" bolts

## 8) Shelf & Part Cups Rail Attachment:

- 1) Attached shelf brackets to slotted upright, a simple tap to secure into slots
- 2) Put center support beam to center of shelf for added shelf load bearing capacity and to help reduce bowing of shelf secure shelf to bracket and load beam to shelf using 1" wood screws,
- 3) For parts cup attachment, attached parts cup rail to 5" shelf bracket



## 9) Swing arm w/flat screen bracket attachment:

- 1) Place the U channel bracket around the upright at the hgt desired
- 2) To tighten, use the angle bracket at the rear using (2) 1/4-20-3/4" bolt and nut
- 3) For keyboard attachment the swing arm use a 1/4-20-1.5 bolt, thread the bolt through the arm and tighten

