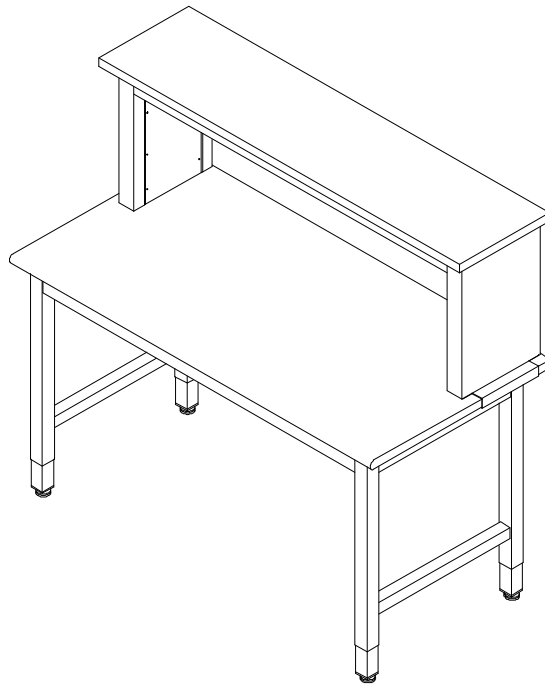


# Quick Ship



**WORKMASTER WORK BENCHES**

## **IAC INDUSTRIES**

3831 S BULLARD AVE., GOODYEAR, AZ 85338

Phone (714) 990-8997 Fax (714) 990-0557

[www.iacindustries.com](http://www.iacindustries.com)

## **QS Workmaster**

## **Assembly Instructions**

REV. (042318P65)

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### **PLEASE NOTE:**

Quick Ship Accessories include assembly instructions in their own packaging when packed by individually. Please look for these instructions while unpacking.

If you are installing MTS posts to your 30” deep benches only...make sure to install the “MTS T-nuts”, shown in the QS MTS Assembly Instructions prior to installing and securing the frame to the work surface. (Reference page 5)

## ATTENTION NOTES:

IAC Industries takes great care in the packaging of its products, however damage can occur during shipment. Check all packages and parts for any signs of damage. If damage is evident STOP and contact the carrier that delivered your order. Request a freight claim inspector to document the damage and begin the freight claim process.

Tools required to assemble your QS WM BENCH products are:

7/16" and 1/2" wrench or socket with ratchet.

Phillips screwdriver 8" long.

Utility knife.

Safety glasses and light duty protective gloves.

**NOTE: Power tools are NOT recommended unless they are equipped with a torque limiting device which can limit the torque to 10 foot lbs maximum at aluminum attachment points, and 15 foot lbs maximum for all other attachment points.**

Unpack your order and separate like parts into separate areas. Be careful not to damage parts as they are being moved around and put into position. Also be sure all parts are removed from the packing materials before these materials are thrown away.

Locate the hardware kits and keep them in a central area. If the assembly is going to take more than one day, all individual hardware pieces should be returned to a central location.

Check all parts and hardware kits against the itemized packing list found with the assembly instructions. If you believe there are parts missing from your order please contact IAC Industries customer service HOTLINE at 800-989-1422.

If your order has ESD worksurfaces or accessories please review page 16 for helpful instructions and cautions before you begin assembling the workstations.



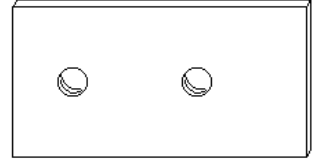
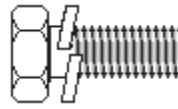
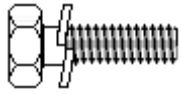
### WARNING:

**ALL PARTICLE BOARD USED IN IAC INDUSTRIES PRODUCTS ARE SOURCED ONLY FROM VENDORS THAT ARE CARB ATCM PHASE 2 AND TSCA TITLE VI COMPLIANT WITH VALID CERTIFICATES.** Drilling, Sawing, Sanding or Machining Wood products can expose you to wood dust, a substance known to the state of California to cause cancer. Avoid inhaling dust generated from wood products or use a dust mask to other safeguards for personal protection. This product can expose you to chemicals, including formaldehyde, which is known to the state of California to cause cancer, and methanol, which is known to the state of California to cause birth defects or other reproductive harm. For more information please visit, [www.P65WARNINGS.CA.GOV/WOOD](http://www.P65WARNINGS.CA.GOV/WOOD). COPY OF VENDOR CERTIFICATE AVAILABLE UPON REQUEST.

## PRE ASSEMBLY CHECK LIST

Your bench has been carefully packed at the factory to prevent damage during shipment. Unpack all parts and examine them for damage. Contact your freight carrier for freight claims information if your order was shipped "freight collect" or "pre-pay and add". Contact IAC Industries at **800 989-1422** if parts are missing.

**HARDWARE KIT QS-HWR0078:**



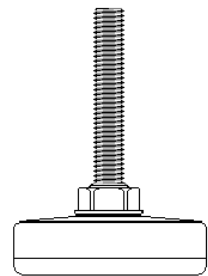
1/4-20x3/4" Hex Head Bolt 1/4" Flat Washer

5/16-18x3/4" Hex Head Bolt

Beam Connector Plate

**HARDWARE KIT COMPONENTS:**

<b>Description</b>	<b>Qty</b>
1/4-20 x 3/4" Hex Head Bolt	16
1/4" Flat Washer	24
5/16-18 x 3/4" Hex Head Bolt	8
Beam Connector Plate	4
Floor Glides	4



STANDARD FLOOR GLIDE  
5/16-18 X 1-5/8 DIA

**WORKBENCH CONTENTS:**

<b>Description</b>	<b>Qty</b>
Worksurface	1
Pedestal Legs	2
Support Beams	2
Leg Extenders	4

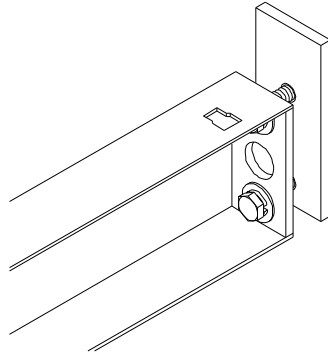
**TOOLS NEEDED:** Power or hand held phillips head screwdriver with #2 tip, 7/16" and 1/2" combination wrench or thin wall sockets.

## QS Workmaster Bench Assembly:

### Step 1:

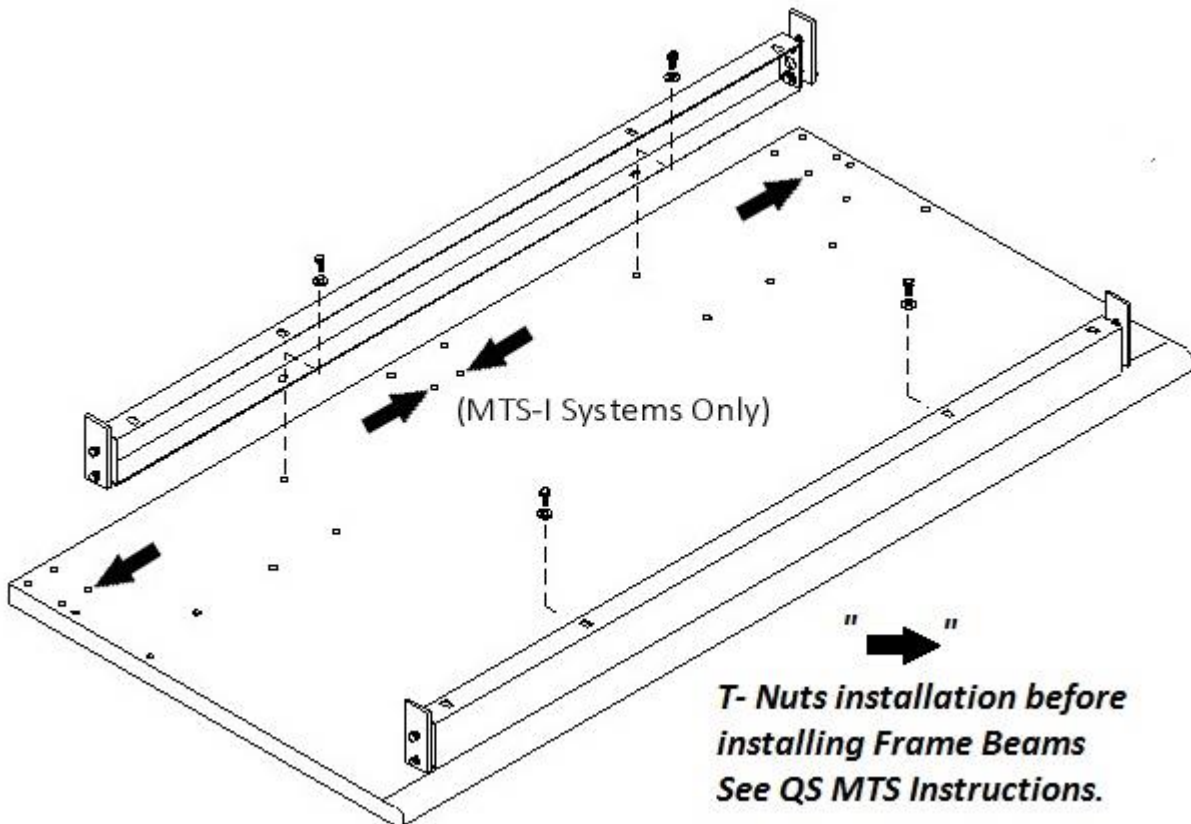
Attach beam connector plates to the ends of the bench support beams using the 5/16-18 x .75 HH bolts and 1/4" flat washers supplied as shown. **DO NOT TIGHTEN THE HARDWARE.**

**PLEASE NOTE:** If you are installing MTS posts to your 30" deep benches only...make sure to install the MTS T-nuts, shown in the **QS MTS Assembly Instructions** prior to installing and securing the frame support beams to the work surface.



### Step 2:

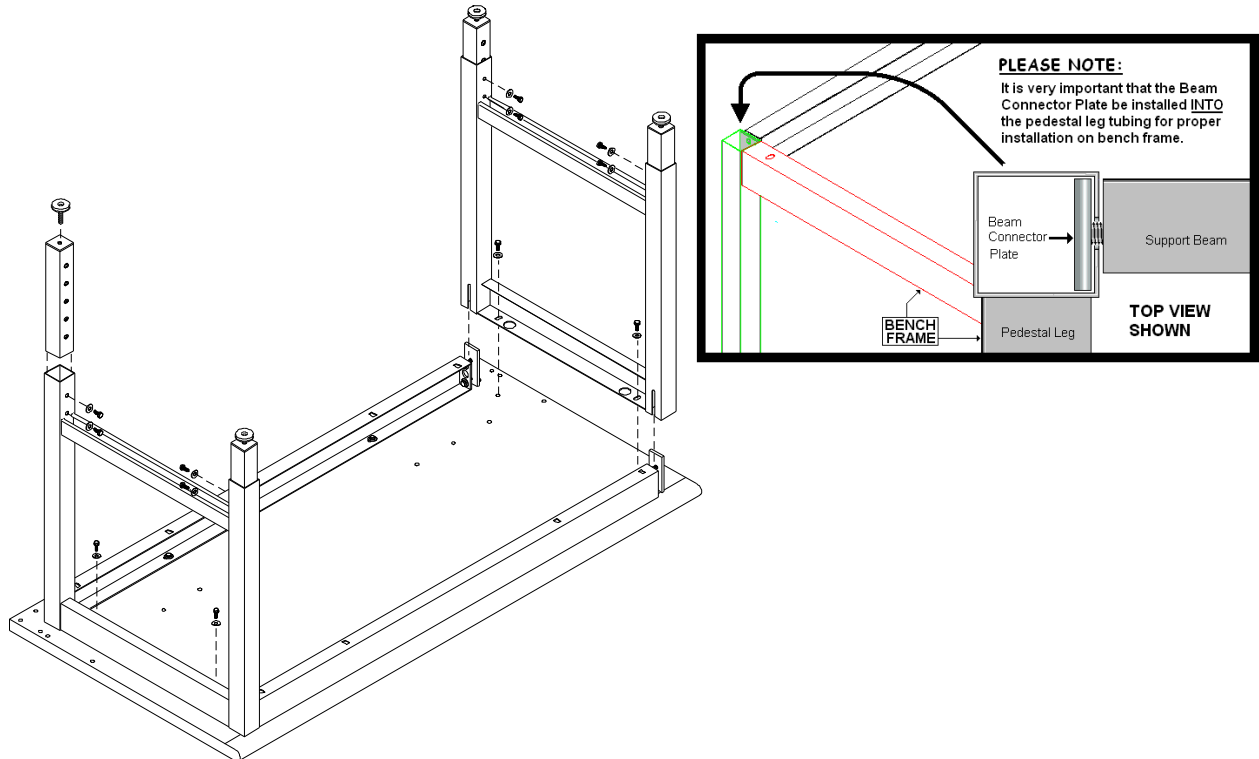
Place work surface top side down on smooth flat surface being sure to protect it from damage by foreign objects. IAC recommends the use of packing type blankets or clean cardboard. Place the support beams on the work surface with the open side toward the center of the work surface and align the slots of the support beams over the threaded inserts in the work surface as shown. Thread 1/4-20 x .75 HH bolts and 1/4" flat washers into the threaded inserts to attach the beams to the work surface. **DO NOT TIGHTEN THE HARDWARE.**



## QS Workmaster Bench Assembly: (cont)

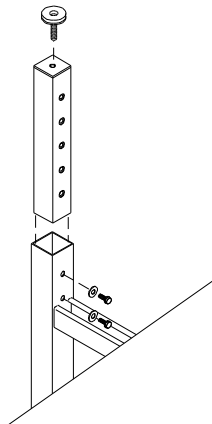
### Step 3:

Align the workbench pedestals over the ends of the support beams and lower them down over the beam connector plates so that the plates are on the inside of the pedestal tubing. Align the slots in the pedestal support beam over the inserts in the worksurface and thread the 1/4-20 x .75 HH bolts with the 1/4 washers into the inserts. Tighten the beam connector hardware. The frame should now be aligned on the worksurface to even the overhangs on the right and left sides. Tighten the beam attachment and the pedestal support beam hardware. **NOTE:** Do not over tighten the hardware that goes into the threaded inserts in the worksurface as this could cause the insert to pull out.



### Step 4:

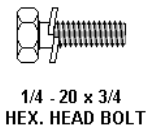
Slide the workbench leg extender into the pedestal tube making sure the plastic insert in the end of the leg extender is exposed. Align the threads of the leg extender with the holes in the pedestal tube and select the desired height of the bench. Thread the 1/4-20 x .75 HH bolts with the 1/4 washers into the threaded holes in the leg extender and tighten. Thread the floor glide into the plastic insert of the leg extender. The floor glides are used to level the bench when assembly is complete and it is put into position.



If you have ordered footrests, drawers or suspended cabinets for this bench please see pages 10 and 12 for assembly instructions. If not the workbench can be turned over for assembly of above the worksurface accessories or it can be put into place.

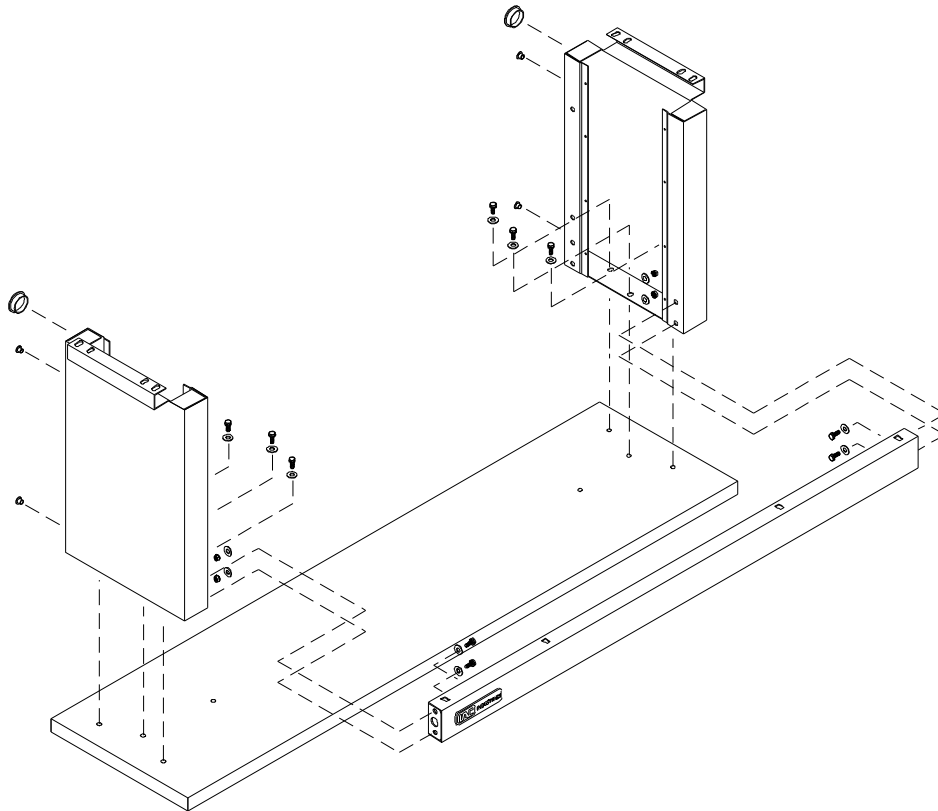
# QS WM Instrument Shelf:

## HARDWARE KIT QS-HWR045



### Step 1:

Place the instrument top upside down on smooth flat surface being sure to protect it from damage by foreign objects. IAC recommends the use of packing type blankets or clean cardboard. Place the riser boxes onto the instrument shelf aligning the slots in the riser boxes with the threaded inserts in the instrument shelf as shown. The side of the riser box that has holes in it, face the rear of the instrument shelf. Thread 1/4-20 x .75 hex head bolts and 1/4" flat washers into the threaded inserts in the instrument shelf. **DO NOT TIGHTEN THIS HARDWARE.**



### Step 2:

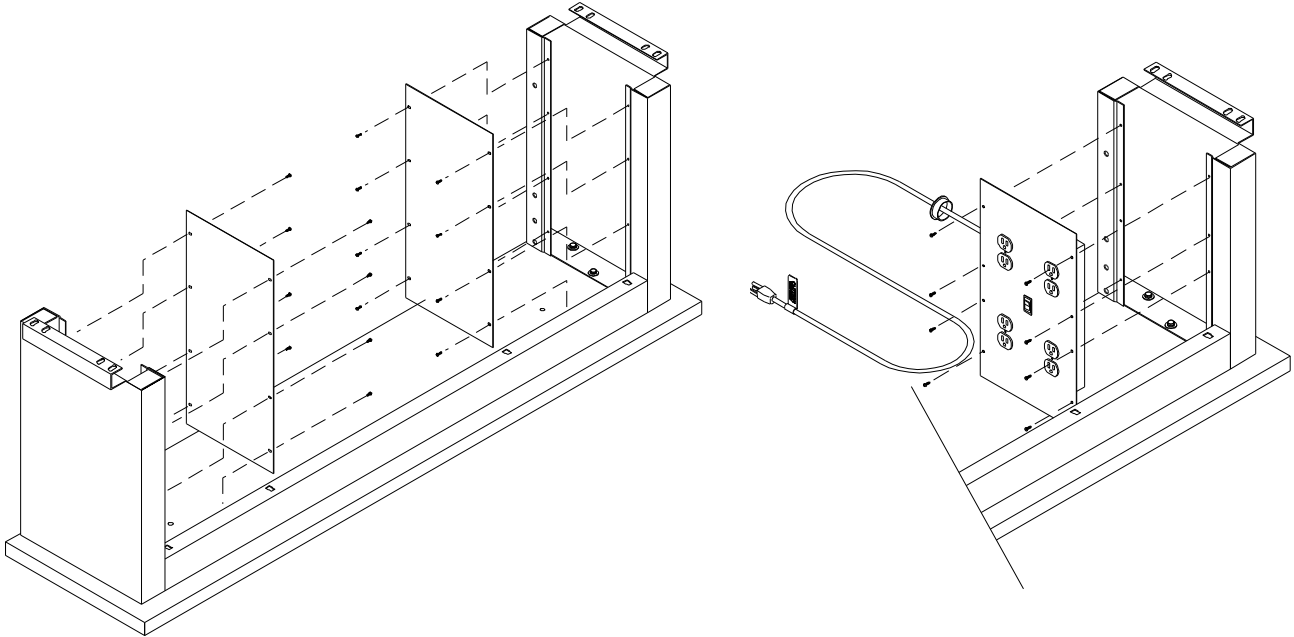
Connect the support beam to the riser boxes using the 1/4-20 x .75" hex head bolts 1/4" flat washers and 1/4-20 keps nuts. Align support beam ends with holes in riser boxes and push bolts through the support beam ends plates and holes in the riser boxes. Attach keps nuts to bolts on the inside of riser boxes and tighten. Align the riser boxes to even the overhangs and then tighten riser box attachment hardware. Install all plastic cap plugs that apply. If you have Riser Electrical Panels do not install the 1.5" cap plug.

**Note:** If you are assembling a 96" instrument shelf you will have a second beam that is mounting in rear of the shelf the same as in the front.

**Note:** If you are installing a WM Undershelf Light please see page 9 at this time.

### Step 3:

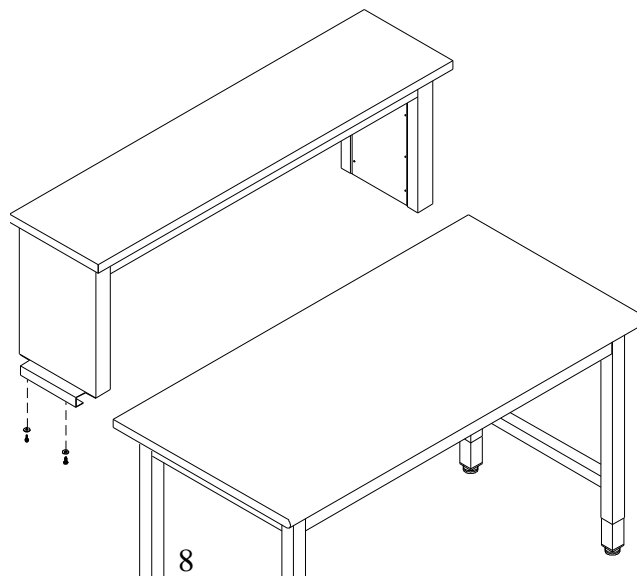
Install the riser covers or optional Riser Electrical Panels using (8) # 8 x .375 self-threading screws. Align the riser covers holes with the holes in the riser box and thread #8 x .375 screws into each hole. Tighten at this time. For optional Riser Electrical Panels install 1.5" plastic bushing into the holes located in the rear of the riser boxes. Then run the power cord(s) from the inside of the riser box through the 1.5" plastic bushing. Align the Riser Electrical Panel holes with the holes in the riser box and thread #8 x .375 screws into each hole. Tighten at this time. Install plastic caps where needed.



**Note: For SESIS Panels CAUTION: Risk of Electric Shock. Do NOT plug into another Relocatable power tap.**

### STEP 4

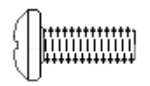
Carefully turn instrument shelf over and from the backside of the bench align the U shaped flanges at the bottom of the riser boxes with the bench worksurface. Carefully slide the U shaped flanges over the worksurface until the back of the riser box is approximately 1/8" from the back of the worksurface. Look under the worksurface to align the slots in the U shaped flanges with the inserts in the worksurface. When both riser boxes are aligned with the inserts attach them with 1/4-20 x .75 hex head bolts and 1/4" flat washers as shown. Tighten hardware at this time.





# QS WM Under shelf Light

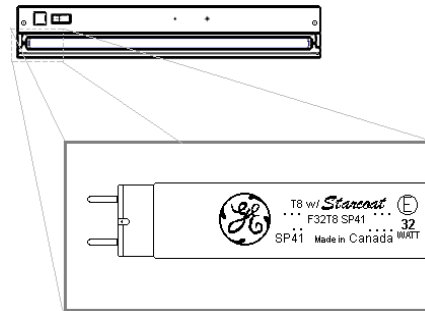
## HARDWARE KIT QS-HWR048



SCREW, PPH  
1/4-20 x 5/8"

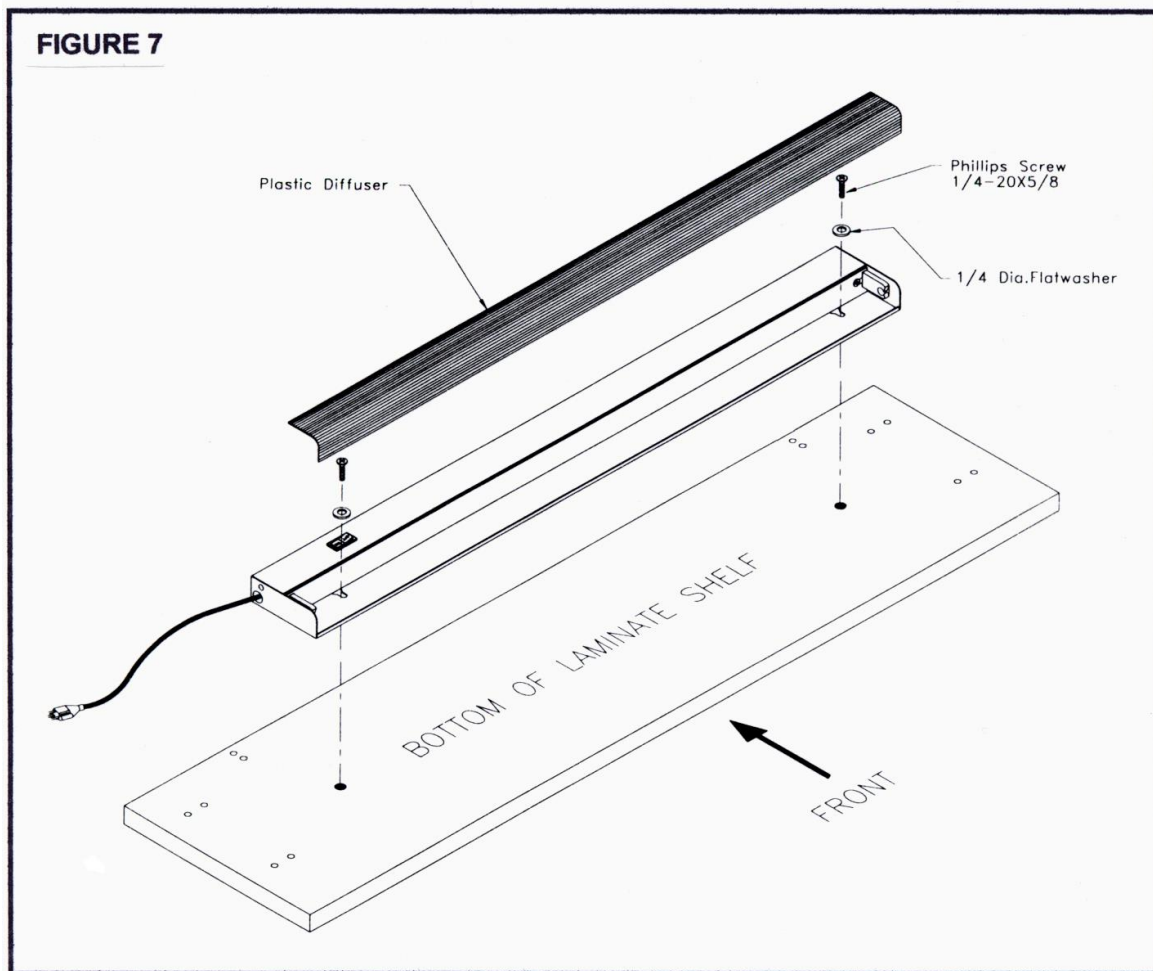


1/4 - 20  
FLAT WASHER



### Step 1

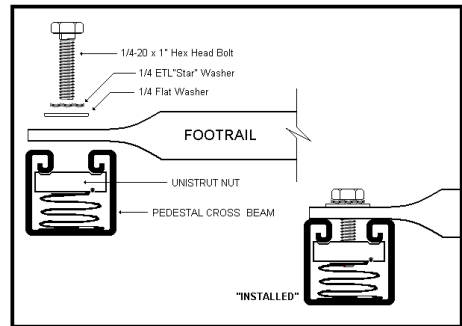
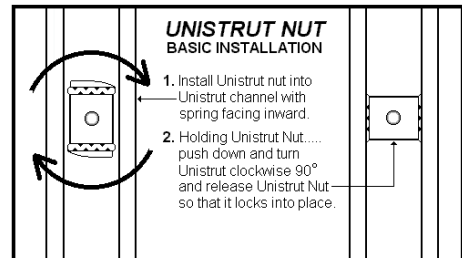
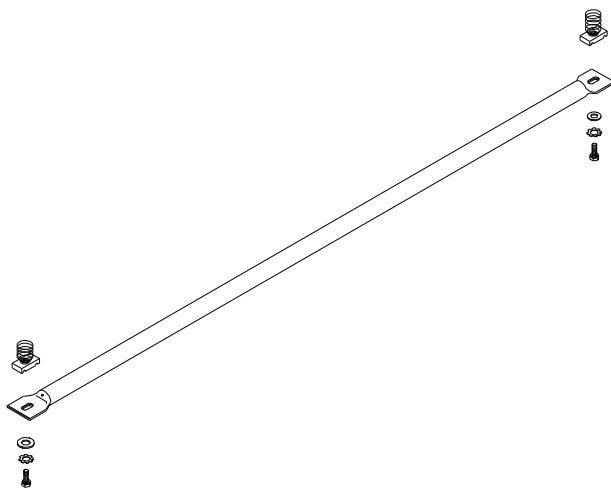
Carefully remove the plastic diffuser to expose the inside of the light housing. Align the slots in the light housing over the inserts in the underside of the instrument shelf. Thread 2 each 1/4-20 x 5/8" phillips screws with 1/4" washers in the inserts in the shelf and tighten. Install the appropriate light tube. It is a good idea to test the light at this time by plugging it in and turning it on and off. If the light tube does not light please double check that the power is on and the tube is good. Once the light tube works carefully replace the plastic diffuser taking care not to force it into place as this could cause it to break.



**Note:** This SIL UNDERSHELF light fixtures are designed to run with high efficiency T8 Tubes  
A F32T8 SP41 is shown for reference only. Brand name is also reference only.

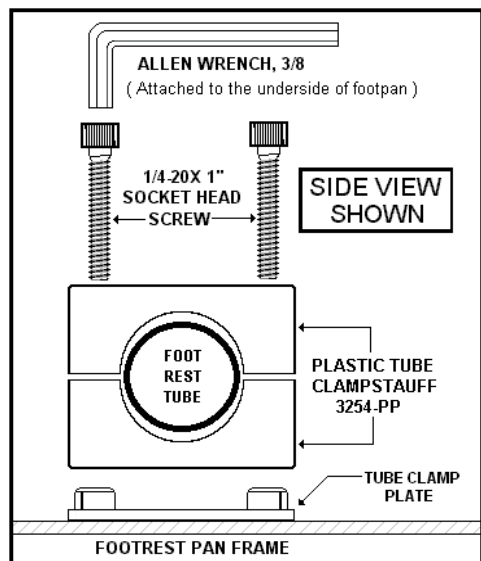
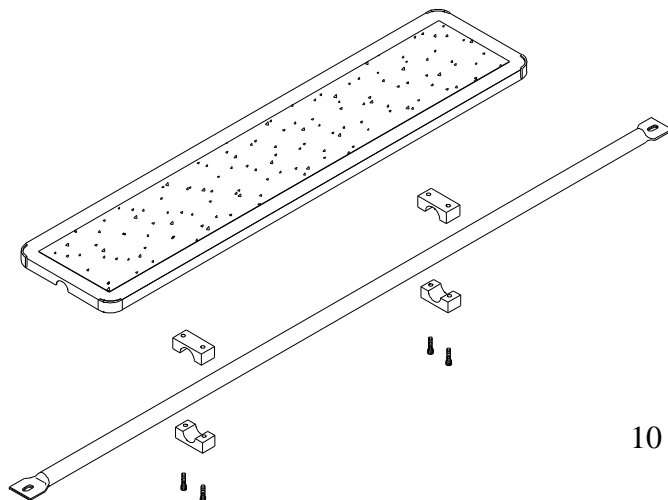
## Q.S. Footrest Tube

1. Push and twist the rectangular spring nut into the bottom cross brace of the pedestal legs with the spring pointed towards the closed top of the brace. Make sure the nut is securely seated on the inside lips of the cross brace.
2. Position the footrail tube so that the drain holes point down when bench is upright.
3. Hold the unistrut nut against the inside of the cross brace and attach the footrail tube with a 1/4-20 x 1.00 hex bolt, split washer, and flat washer on each end. The footrail can be adjusted forward or backward along the cross brace.



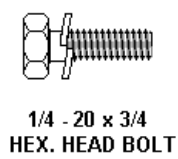
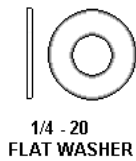
## Q.S. Ergo Footrest Pan

Attach foot pan to the footrest tube using (4) black plastic "U" shaped clamps and (4) 1/4-20 x 1.125 Socket Head screws. Position the U-clamps around the footrest tube as shown in the diagram and secure to the bottom of the footpan.



# QS Electrical Strip

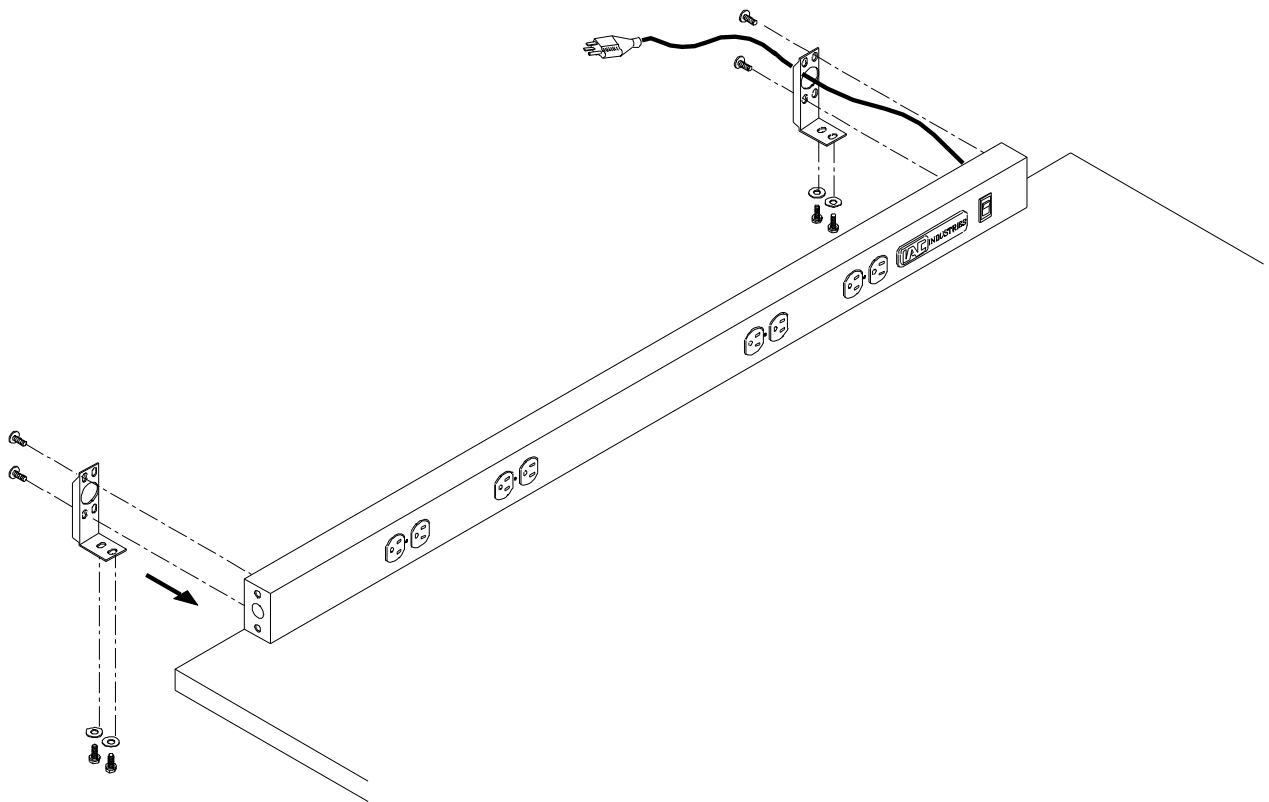
## HARDWARE KIT QS-HWR047



### Step 1

Attach the TE2 mounting brackets to the back side of the SEC Electrical Channel using the 1/4-20 x .50 self-threading phillips screws being sure to fit the power cord through the large hole in the bracket. **DO NOT TIGHTEN** these screws. From the backside of the bench carefully fit the SEC Electrical Channel over the top of the worksurface while fitting the lower flange of the TE2 mounting brackets under the worksurface. Looking under the worksurface align the slots in the TE2 mounting brackets with the inserts in the worksurface. Thread the 1/4-20 x .75 hex head bolts into the inserts and while applying pressure to the backside of the SEC Electrical Channel to force it against the back of the worksurface tighten the bolts. Next tighten the 1/4-20 x .50 self-threading phillips screws.

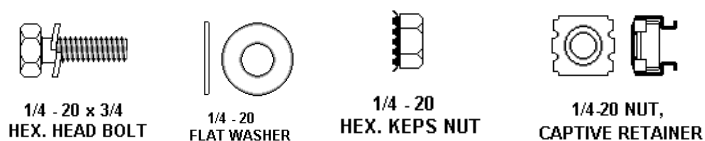
**Note:** CAUTION: Risk of Electric Shock. Do NOT plug into another Relocatable power tap.



## Q.S. Single Drawer

**Note:** Applies to all QS drawer and door cabinet options.

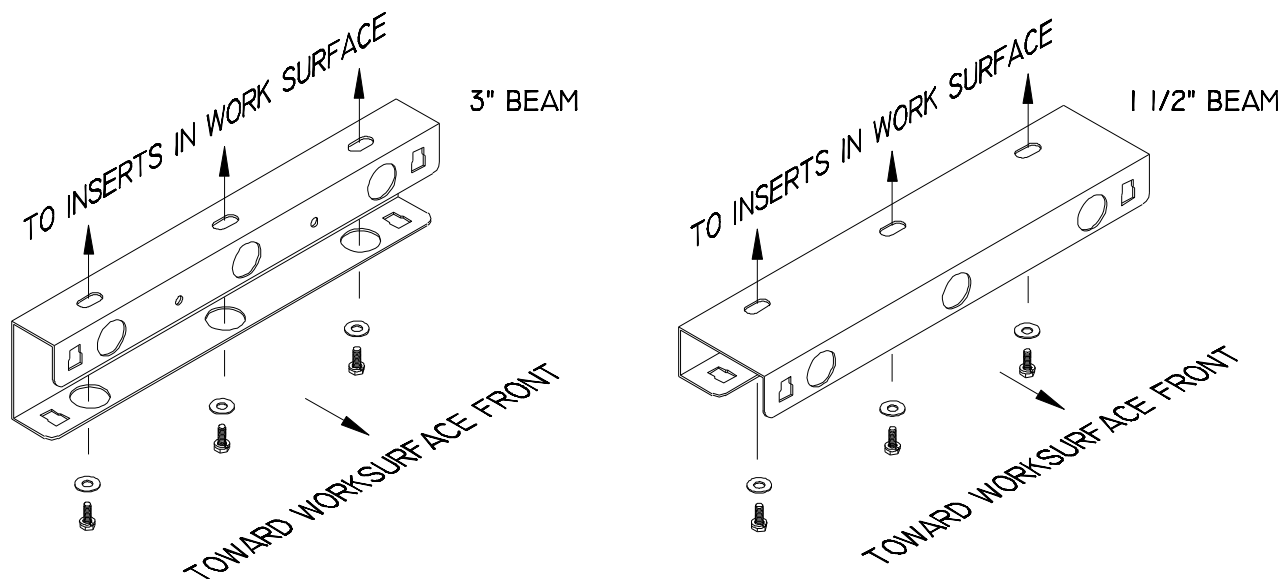
HARDWARE KIT QS-HWR015



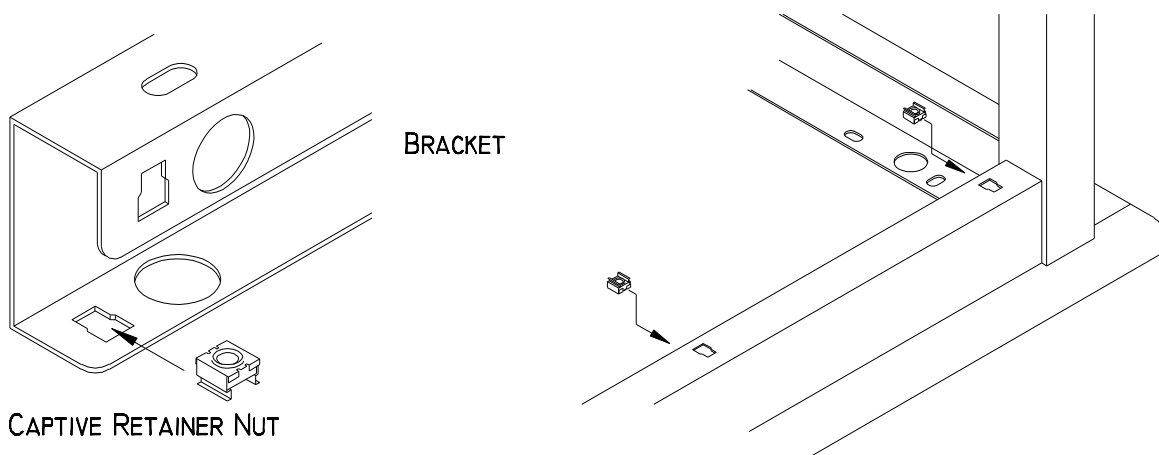
For easier installation, it is best to install drawer bracket and drawer(s) while bench in upside down.

**Step 1:** Install rear mounting bracket as shown on below drawings using hardware listed above.

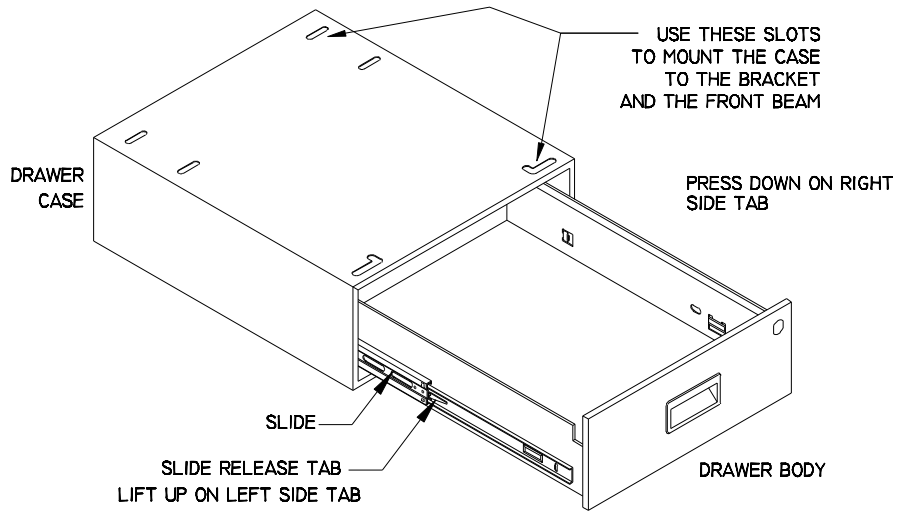
**Note:** The position of your bracket will be determined by the size of your front beam.



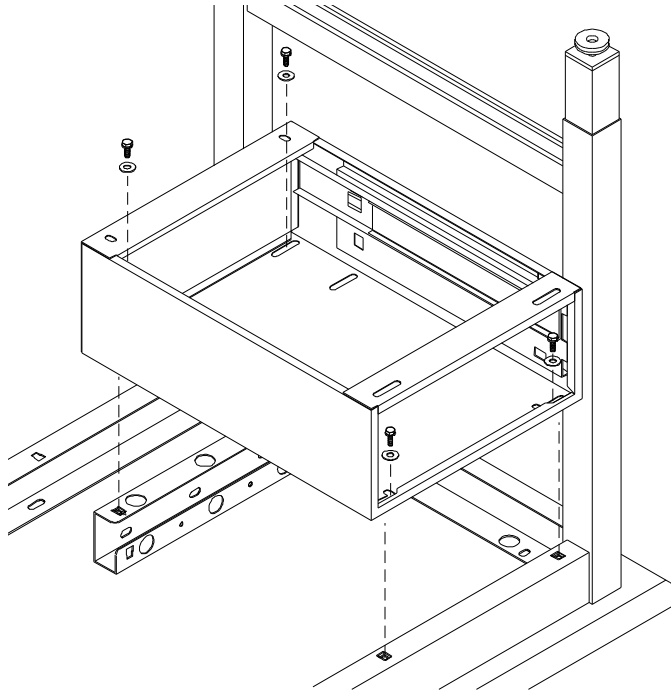
**Step 2:** Install captive retainer nut to drawer mounting bracket and bench front beam as shown below.



**Step 3:** Remove drawer from drawer case by pulling the drawer body out of the case. Locate the slide release tabs. Lift up on the left side tab and press down on the right side tab and pull on drawer body.



**Step 4:** With the drawer removed from the case, place the case over the front beam and the drawer mounting bracket as shown. Use supplied hardware to fasten.

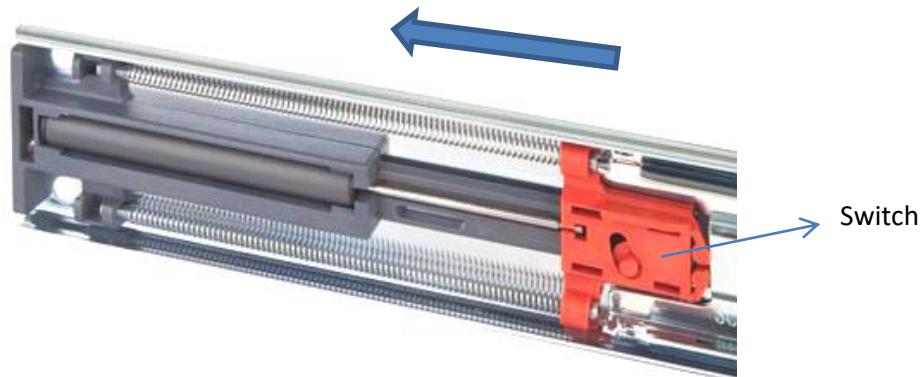


**Note:** For double stacking drawers use bolts washer and nuts supplied in hardware kit to attach the stacked drawer case to the first case.

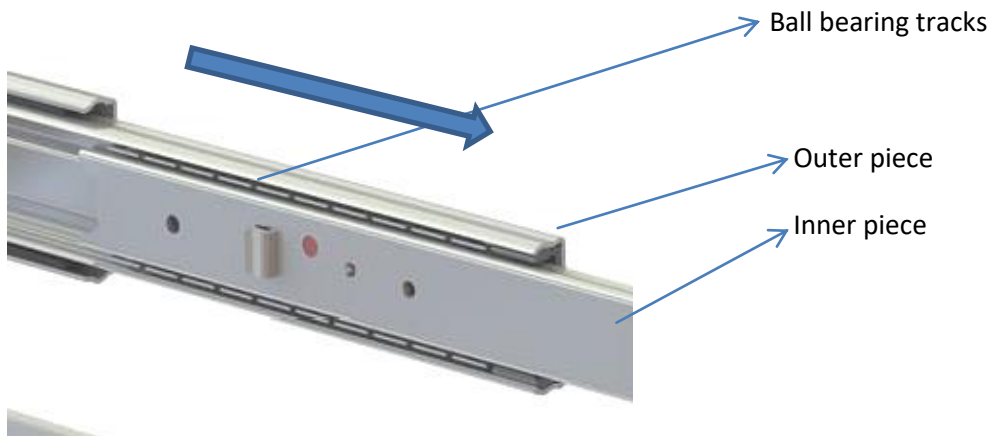
## Before Installing the Drawer Body back into the Drawer Case:

Once bench is complete and is in the right side up position you can install your drawer bodies back into the single drawer or cabinets, but before installing the two parts (Drawer body/Drawer Case) of the drawer assembly together you must do the following:

1. Make sure the Red locking mechanism is in the closed position: Using the switch of the Red locking mechanism, close the spring loaded Red locking mechanism by turning the switch up or down (depend on what side your setting) position until the Red locking mechanism closes.

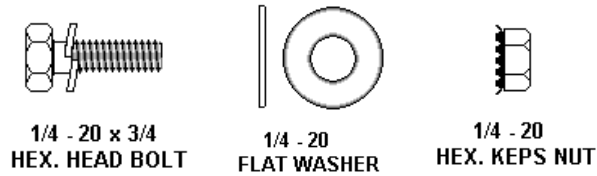


Before installing the drawer body slide into the Drawer Housing slide please make sure that both of the "Ball bearing tracks" on the outside left and right pieces are all the way forward. Install drawer body part of slide to drawer housing part of slide making sure the slide are aligned with each other. Insert the drawer body all the way in then all the way out making sure the two part work OK.



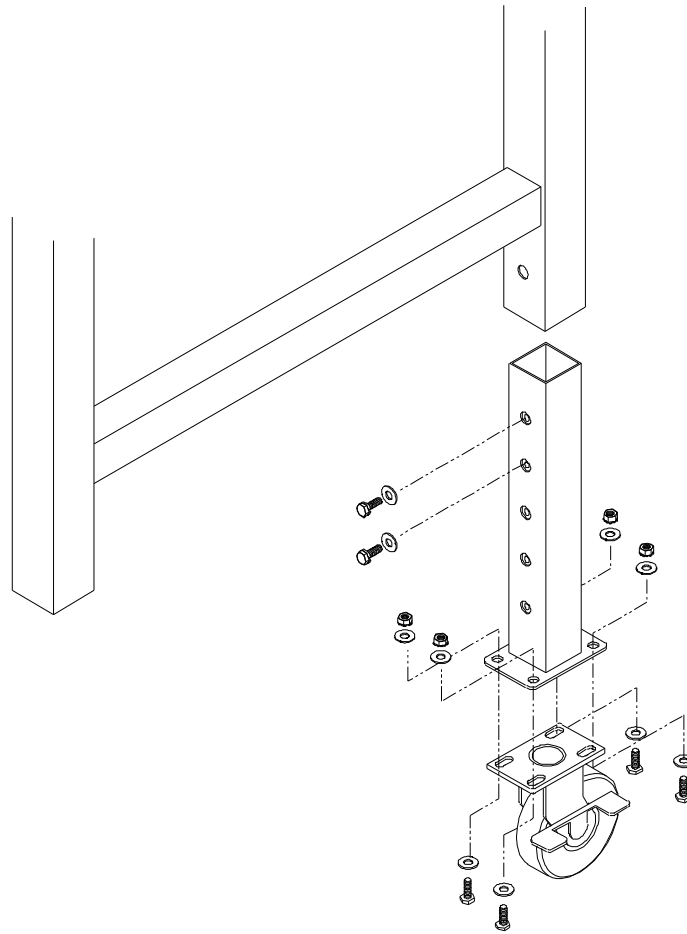
# Q.S. Plate Caster Leg Extender Kit

HARDWARE KIT QS-HWR0135



For easier installation, it is best to install the plate caster leg extenders while bench is upside down.  
**Note:** If this kit is for an excising bench the leg extenders in that bench will have to be removed.

Slide the plate caster leg extender into the pedestal tube making sure the threaded holes on the plate caster leg extender tube are on the same side as the holes in the pedestal tube. Align the threads of the leg extender with the holes in the pedestal tube and select the desired height of the bench. Thread the 1/4-20 x .75 HHW bolts with the 1/4 flat washers into the threaded holes, two per plate caster leg extender, and tighten. Install a caster wheel per plate caster leg extender, using four 1/4-20 x 75 HH bolts and eight of the 1/4 flat washers with four 1/4-20 hex keps nuts then tighten.

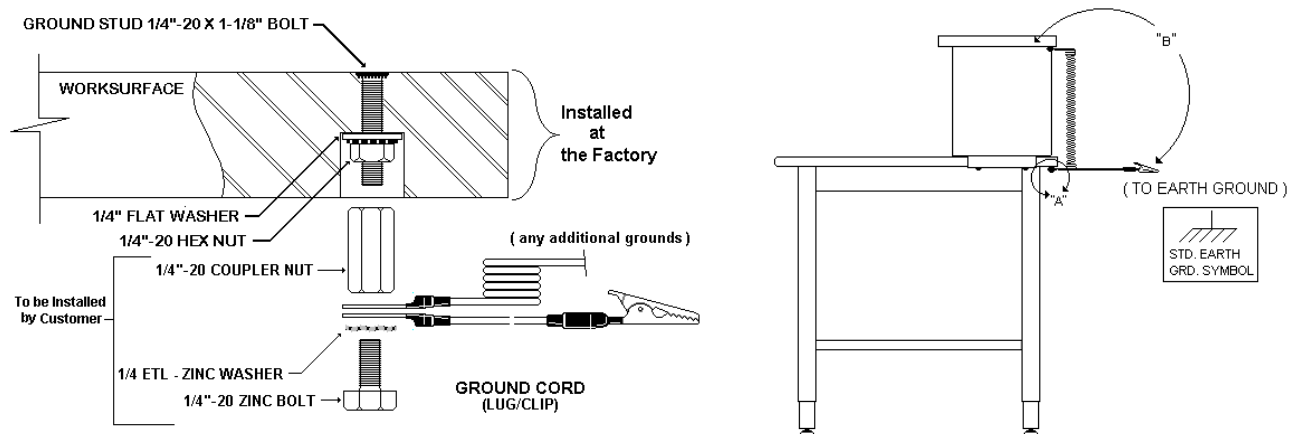


# ESD GROUNDING

HARDWARE KIT QS-HWR 014 and QS-HWR 122

## Step 1 **Note: do not use power tools for this installation**

For ESD worksurfaces and instrument shelves to dissipate static electricity they require the connection of a ground cord to an earth ground. IAC install grounding studs on each rear corner of all ESD worksurfaces and instrument shelves. Thread the 1/4-20 coupler nut onto one of these ground studs and tighten it being careful not to over tighten. Over tightening this coupler nut can cause damage to the connection between the ground stud and the laminate. Place the eyelet of the ground cord (or cords if you are also grounding an instrument shelf to the same ground stud) over the 1/4-20 x 1/2" bolt and thread the bolt into the coupler nut. The alligator clip must attach to an earth ground.



## ESD Laminate Testing:

Although IAC conducts connectivity and surface resistance tests at the factory on all ESD worksurfaces and instrument shelves, IAC recommends that customers conduct their own tests on all ESD worksurfaces and instrument shelves to ensure that the ground cord installation has been completed correctly and that the ESD material is working properly.

## Cleaning ESD Materials:

ESD laminates are designed to resist abrasion, scuffing, scorching, and most solvents. Intense exposure to any of these conditions can damage the ESD properties of the laminate and will require the replacement of the worksurface or instrument shelf. ESD laminate worksurfaces and instrument shelves are cleaned much the same as non ESD laminated surfaces with a damp cloth and light soapy cleanser. A mild chemical cleaner can also be used as long as the laminate is not exposed to the chemical for long periods of time. Stains can be removed with a two minute exposure to a 5% hypo chloride bleach solution immediately followed by a light soapy cleanser.

## ESD Ground Precautions:

- 1) Connect each workbench worksurface individually to the earth ground.
- 2) The green wire in a standard wall duplex can be used if it has been absolutely determined that it is attached to an earth ground.
- 3) Do not use power tools to install grounding hardware and components.
- 4) If benches are relocated IAC recommends the ground cords connections be re-tested.
- 5) Never use abrasive pads or cleansers to clean ESD surfaces.
- 6) Never wax ESD surfaces and avoid cleaners with wax-based properties.
- 7) Test ESD worksurfaces and instrument shelves frequently to ensure it is working properly.