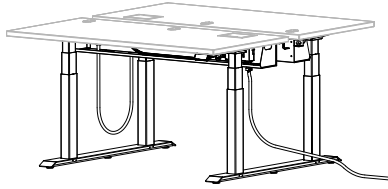


Assembly & Installation Instructions: Fundamentals Benching System

FDEX 60-B02-WP; FDLX 60-B02-WP; FDEX 72-B02-WP; FDLX 72-B02-WP

Parts Included, Benching System

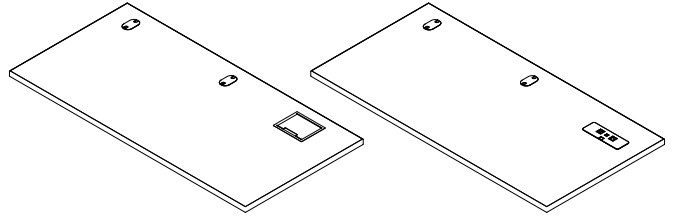


Fundamentals Benching System

Parts List	Quantity Included	Two Stations
FUNDAMENTALS FRAME SETS FDEX/FDLX 60-72-BXX-WPXX includes:		Required/Included
FUNDAMENTALS BENCH FOOT KIT, DUAL SE-BFK48-X	1 Kit (2 Feet)	Required/Included
FUNDAMENTALS PROGRAMMABLE SWITCH PROSWITCH	2	Required/Included
POWER MODULE, CIRCUIT 1, BLACK ACC-PMC1-4P2U-B	2	Required/Included
POWER JUMPER BLOCK, BLACK ACC-PWR-JBLOCK-B	1	Required/Included
POWER IN FEED CABLE ACC-PWR-IN-HDWR-B	1	Required/Included
POWER CROSS CABLE ACC-PWR-CCBL-36 or ACC-PWR-CCBL-48	1	Required/Included
54" BACK TO BACK CABLE ACC-PWR-JBBCBL-54-B	1	Required/Included
CABLE TROUGH WITH END PLATES ACC-CBLTRKIT-53-X or ACC-CBLTRKIT-65-X	2	Included

Parts Required, Ordered Separately

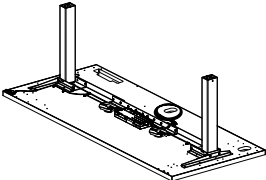
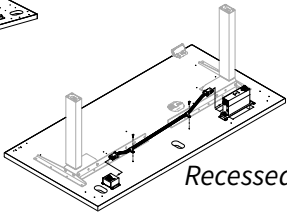
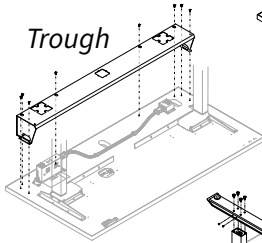
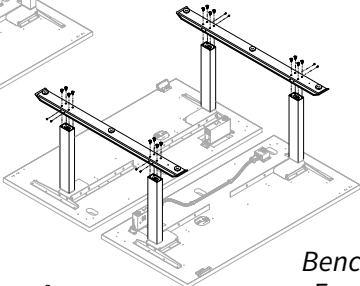
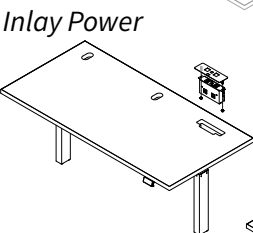
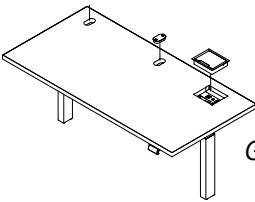
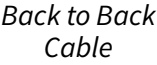
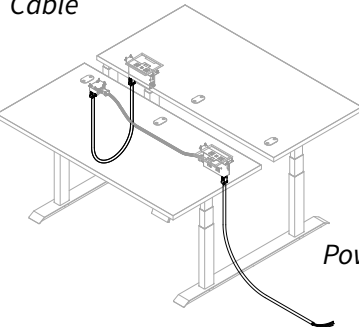
Worksurfaces
Grommet Kits



Parts List	Quantity	Two Stations
WORKSURFACE Benching - 29" Deep Only T5829-XX-B3-XXXXXXX-XXX, or T7029-XX-B3-XXXXXXX-XXX <i>(Options include width, grommet type, laminate and edge band colors)</i>	2	Required/Order Separately
GROMMET ONLY KIT ACC-PWR-REMNT-X or ACC-PWR-INMNT-X	2	Required/Order Separately

You will assemble TWO complete Benching Workcenters joined by a pair of Benching Feet.

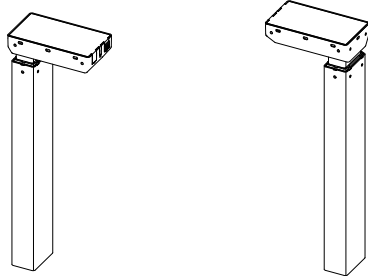
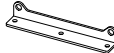
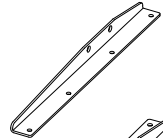
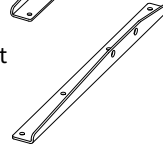



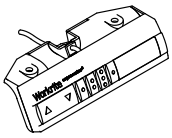
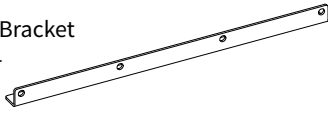



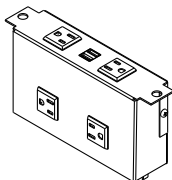



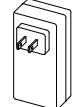
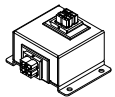



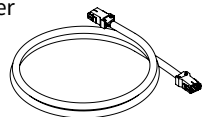

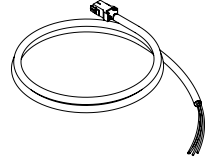
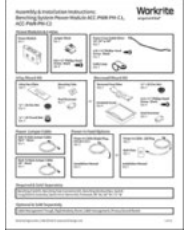
Table of Contents

Step	Page	
Build Workcenters FDEX/FDLX 60-72-BXX	Page 6	 <i>Workcenters</i>
Add Power & Recessed Mount Kit ACC-PMC1-4P2U-B, ACC-PWR-JBLOCK-B, ACC-PWR-CCBL-36 or ACC-PWR-CCBL-48, ACC-PWR-REMNT-X	Page 10	 <i>Recessed Power</i>
Add Trough ACC-CBLTRKIT-53-X or ACC-CBLTRKIT-65-X	Page 13	 <i>Trough</i>
Add Benching Foot Kit SE-BF-CONKIT	Page 14	 <i>Benching Foot Kit</i>
Add Inlay Mount Kit (if applicable) ACC-PWR-INMNT-X	Page 15	 <i>Inlay Power</i>
Install Grommets ACC-PWR-REMNT-X or ACC-PWR-INMNT-X	Page 15	 <i>Grommets</i>
Connect Back to Back Cable ACC-PWR-JBBCBL-54-B	Page 16	 <i>Back to Back Cable</i>
Connect Power ACC-PWR-IN-HDWR-B	Page 16	 <i>Power In Feed</i>
Adjust Glides	Page 17	
Initialize Legs	Page 17	

Frame Assembly Parts: Fundamentals Benching System

FDEX 60-B02-WP; FDLX 60-B02-WP; FDEX 72-B02-WP; FDLX 72-B02-WP

Parts Included

<p>A Control Leg (Right) Qty: 2</p> <p>Companion Leg (Left) Qty: 2</p> 	<p>B Short Bracket Qty: 4</p>  <p>C Left End Bracket Qty: 2</p>  <p>D Right End Bracket Qty: 2</p> 	<p>J Short Power Cord Qty: 4</p>  <p>K Cable Spool Qty: 2</p>  <p>L #8 x 5/8" Pan Head Screw Qty: 24</p> 
<p>Q Programmable Switch Qty: 2</p> 	<p>E Long Bracket Qty: 4</p>  <p>F #M6 x 14 mm Flat Head Cap Screw Qty: 24</p> 	<p>M 3/16" Cable Loops Qty: 20</p>  <p>N Leg Cable, 2 meter Qty: 4</p> 
<p>R Top/Worksurface Trim Kit</p> <p>Circuit 1 Power Module Qty: 2</p> 	<p>G #12 x 3/4" Pan Head Laminate Top Screw Qty: 50</p>  <p>H Foot Glide Qty: 6</p> 	<p>O Power Cable Qty: 2</p>  <p>P Power Supply Qty: 2</p> 
<p>Jumper Block Qty: 1</p>  <p>#10 x 3/4" Phillips Head Screw - Black Qty: 4</p>  <p>#8 x 3/4" Phillips Head Screw - Black Qty: 2</p>  <p>Cable Loop Qty: 2</p> 	<p>Back To Back Jumper Cable, 54" - Black Qty: 1</p>  <p>Power Cross Cable-Silver 24", 36" or 48" Qty: 1</p>  <p>Power In Cable, 96" Hardwire, Dual Circuit Qty: 1</p> 	<p>Installation Manual Qty: 1</p> 



! WARNING: Maximum loading of table assembly is 125 lb. (56 kg.). Maximum load includes the weight of the table top itself, any equipment placed upon it, and any equipment suspended or hanging under it. Loading should be evenly distributed over table surfaces. "Payload Capacity" is the Workrite Ergonomics recommended maximum loading which includes the Workrite sourced worksurface.

Fundamentals 2-leg

V = 120VAC, 60Hz / 2.5 A maximum

IMPORTANT SAFETY INSTRUCTIONS:

When using an electrical furnishing, basic precautions should always be followed, including the following:
Read all instructions before using this Sierra Workcenter.

SAVE THESE INSTRUCTIONS

! WARNING: To reduce the risk of burns, fire, electric shock, or injury to persons:

- Unplug from outlet before putting on or taking off parts, always unplug this Sierra Workcenter from the electrical outlet before cleaning.
- Close supervision is necessary when this furnishing is used by, or near children, invalids, or disabled persons.
- Use this furnishing only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.
- Never operate this furnishing if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the furnishing to a service center for examination and repair.
- Keep the cord away from heated surfaces.
- Do not use outdoors.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.

FOR COMMERCIAL USE ONLY



IMPORTANT NOTE!

You must complete initialization (Step 19)/(Step 20) at the end of assembly or your workcenter WILL NOT FUNCTION PROPERLY.

THIS ELECTRICAL SYSTEM IS UL CERTIFIED BY ETL FOR USE AS DESCRIBED BELOW. ALL SPECIFICATIONS AND WARNINGS MUST BE FOLLOWED CLOSELY IN ASSEMBLY AND USE OF THIS SYSTEM.

! CAUTIONS AND WARNINGS

WARNING: FAILURE TO FOLLOW CAUTIONS AND WARNINGS BELOW COULD RESULT IN ELECTRICAL SHOCK, FIRE, PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH.

! CAUTIONS:

- **Read Instructions:** Read all warnings and installation instructions before installing and use
- **Retain Instructions:** Retain this instruction sheet for future use
- **Wet Environment**
 - This system is designed for use indoors in a dry environment
 - Never use this system in a wet environment
 - Never allow liquids of any type to spill into the electrical system
- **Follow Warnings:** Read and follow all warnings and directions in this instruction sheet and marked on the components of the system
- **Service**
 - There are no serviceable parts contained in this system
 - Do not open and or modify any parts used in this electrical system

WARNINGS:

- **Risk of fire or electrical shock**
 - Do not electrically connect to more than one source of power supply
 - Always verify the electrical system is only connected to one and only one source of power supply
- **Power Entry Cable**
 - Route the Power Entry Cable where it will not be stepped on, pinched, have devices placed on it, or become a tripping hazard
 - Never allow Power Entry Cable to sit in any liquid or get wet in any manner
- **Power Cross Cables**
 - Secure the Power Cross Cables to the underside of the worksurface using P-Loops and screws provided
 - Ensure the Power Cross Cables will not be pinched or have devices placed on them
 - Never allow Power Cross Cables to sit in any liquid or get wet in any manner
- **Power Jumper Cables: Side to Side or Front to Back**
 - Install Power Jumper Cables only when benching feet and foot connectors are installed and in use
 - Ensure the Power Jumper Cables will not be pinched or have devices placed on them
 - Never allow Power Jumper Cables to sit in any liquid or get wet in any manner
- **Location:** This system is intended for use indoors in a dry environment only

SYSTEM DESCRIPTION AND REQUIREMENTS: DAISY CHAIN POWER SYSTEM

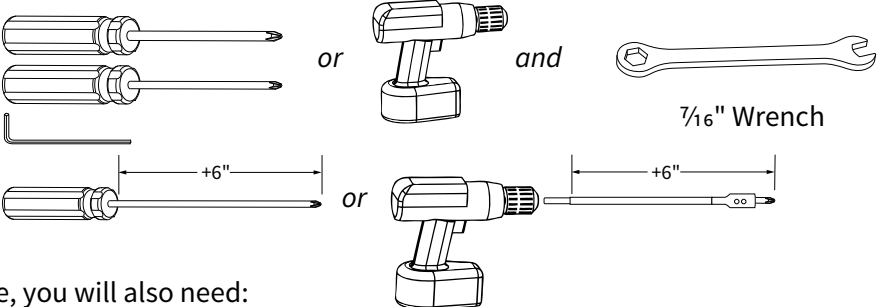
- **Limits & Restrictions**
 - Four wire system designed to operate using two dedicated 120 V, 60 Hz, 20 A circuits
 - Power Modules offered in Circuit 1 and Circuit 2 options
 - Total power modules per four wire dual circuit system not to exceed 10 total modules (Maximum five each Circuit 1 and Circuit 2)
 - The Daisy Chain Power System may only be installed in Workrite height adjustable workcenters that are connected with either Bench Feet (see parts list) as back to back stations or as multiple bench systems using both Bench Feet and Bench Foot Connectors (see parts list)
- **Assembly**
 - All assembly must be completed as outlined in the assembly instructions. All system parts must be used as supplied with no alterations or modifications
- **Connection/Power Entry**
 - Power Connection for power entry options offered with this daisy chain power system must be connected by a commercial electrician

Verify that you have all the tools needed for the assembly

You will need the following tools:



#2 tip Phillips screwdriver or drill/driver
#3 tip Phillips screwdriver or drill/driver
M4 tip bit or 4 mm Allen Wrench (E)

#2 tip Phillips screwdriver over
6" long or drill/driver with extension
3/8" wrench if needed for Hex Nut



The diagram illustrates the tools required for assembly. It shows a #2 tip Phillips screwdriver, a #3 tip Phillips screwdriver, an M4 tip bit, a 4 mm Allen wrench, a 7/16 inch wrench, a power drill/driver, and a 6 inch extension bit. The tools are arranged in two rows. The first row shows the screwdrivers, the bit, the Allen wrench, the power drill/driver, and the 7/16 inch wrench. The second row shows the power drill/driver with the 6 inch extension bit attached. The text 'or' and 'and' are used to indicate alternative options for the tools.

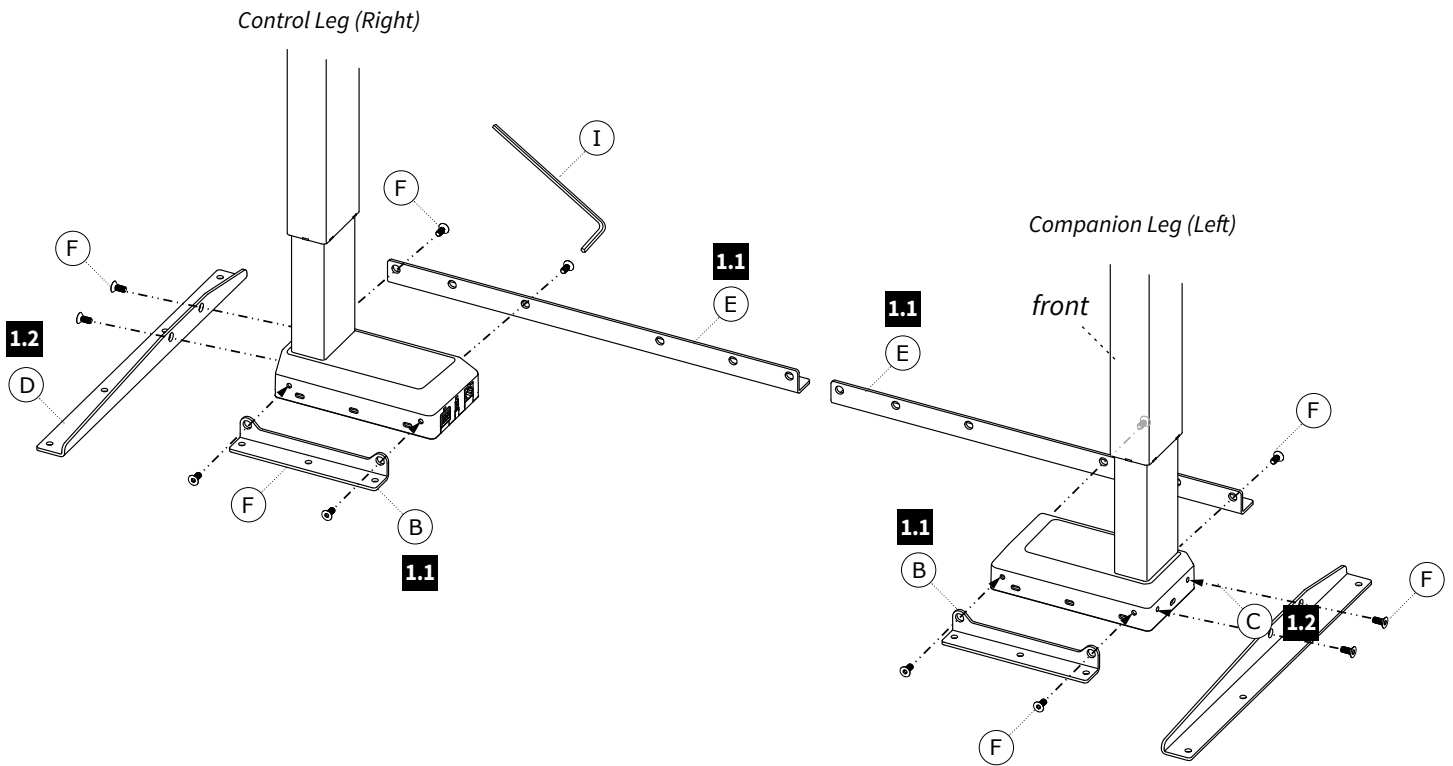
If you do not have a Workrite worksurface, you will also need:

- 1/8" pilot drill bit 
- 3/32" pilot drill bit 

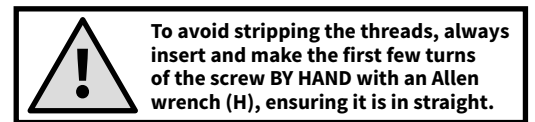
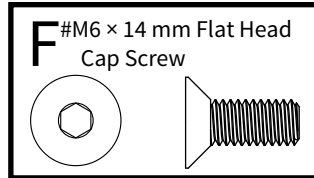
1 Attach Short & Medium Brackets

- 1.1** Attach Short Brackets (B) and Long Brackets (E) using Allen Wrench (I) and Flat Cap Screws (F) to both legs. **Do not tighten screws completely.**
- 1.2** Attach Right End Bracket (D) to sides of the right (Control) Leg (A) using Flat Cap Screws (F). Attach Left End Bracket (C) to sides of the left (Companion) Leg (A) using Allen Wrench (I) and Flat Cap Screws (F). **Do not tighten screws completely.**

Note: the right leg will be on your left and vice versa when the assembly is seen upside down

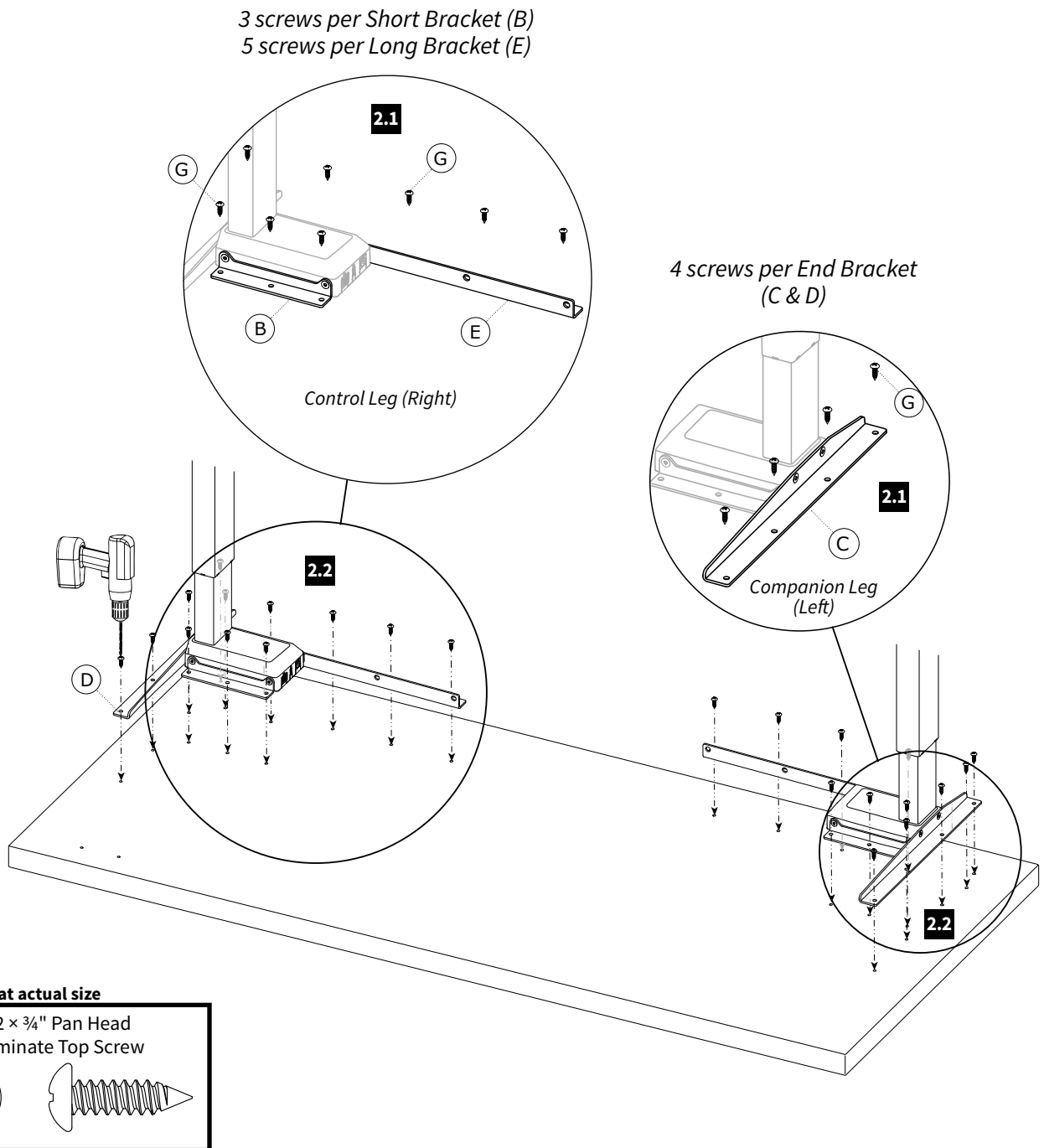


Hardware at actual size



2 Attach Base to Pre-Drilled Workrite Worksurface and Tighten Screws

- 2.1 Align leg assemblies to to pre-drilled holes in Top then attach loosely #12 × 3/4" Pan Head Laminate Top (G) screws. If you use an electric screwdriver, be sure it is on the lowest torque setting to avoid stripping the holes in the top
- 2.2 Tighten all screws attaching brackets to leg assemblies, then tighten all screws attaching brackets to top

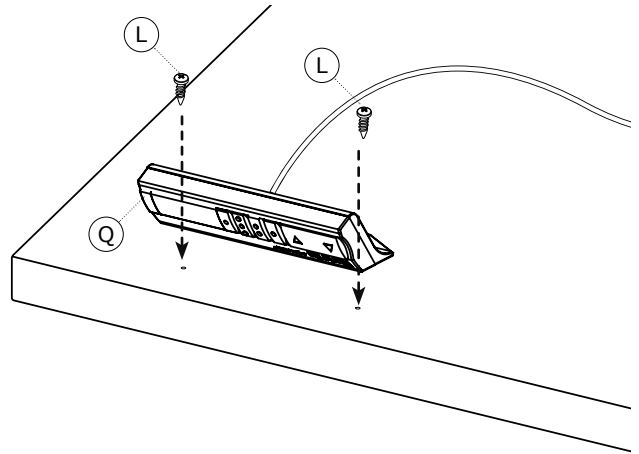


3 Attach Switch

Install Switch (Q) with two #8 × 5/8" Pan Head Screws (L).

Hardware at actual size

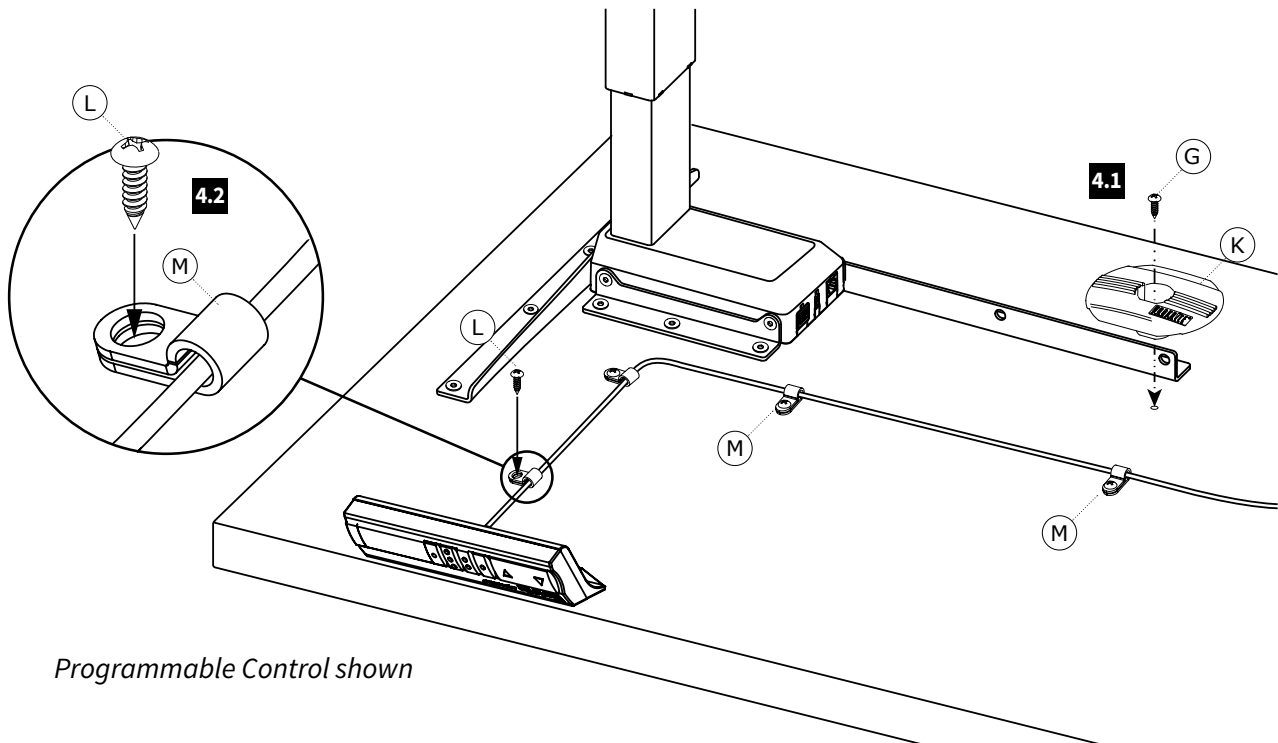
L #8 × 5/8" Pan Head Screw
Laminate Top Screw



4 Attach Cable Spools and Cable Loops

4.1 Attach Cable Spool (K) with the #12 × 3/4" Pan Head Laminate Top Screw (G) and Cable Loops (M) to underside of worksurface using #8 × 5/8" Pan Head Screw (L)

4.2 Route Switch Cable from switch to Cable Spool. Install P-Loops (M) using (1) #8 × 5/8" Pan Head Screw (L) per loop



Programmable Control shown

Hardware at actual size

G #12 × 3/4" Pan Head
Laminate Top Screw



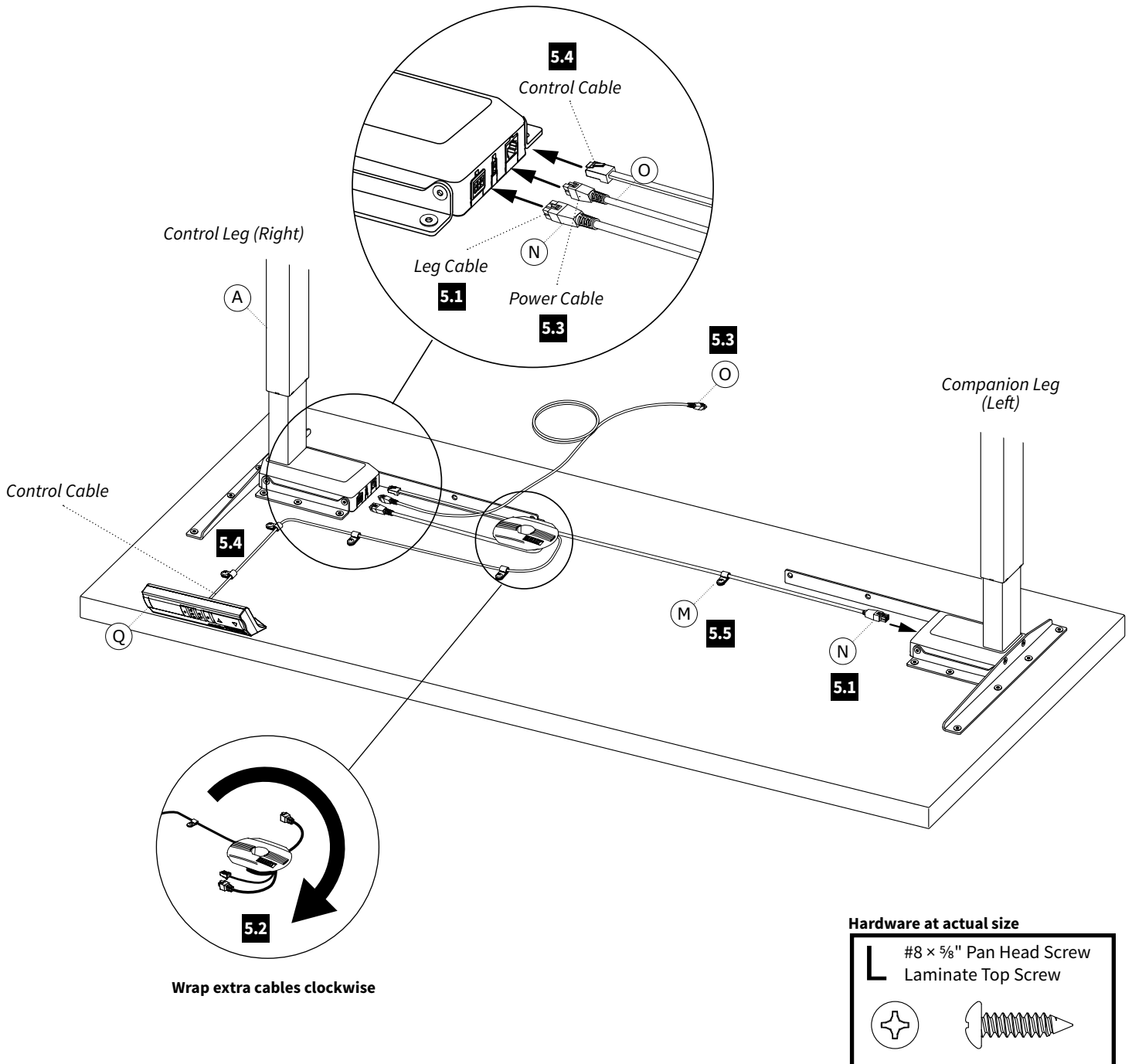
Hardware at actual size

L #8 × 5/8" Pan Head Screw
Laminate Top Screw



5 Install Leg Cables, Switch Cable & Cable Loops

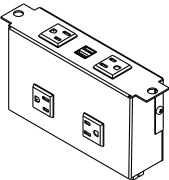
- 5.1 Connect the Leg Cable (N) to the six position connector labeled "1" on both the Right (Control) Leg (A) and the Left Leg (A).
- 5.2 Uncoil Leg Cable and wrap extra cable length around each cable spool (Be sure to leave enough cable length to reach control box and plug in properly)
- 5.3 Insert the Power Cable (O) into the two position connector labeled "DC" on the Control Leg.
- 5.4 Insert the Control Cable into the data connector labeled "A1" on the Control Leg.
- 5.5 Use remaining P-Loops (M) and #8 x 5/8" Pan Head Screws(L) to neatly attach remaining loose cables to top



Power Modules & Cables

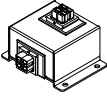
ACC-PMC1-4P2U-B

Circuit 1 Power Module
Qty: 2




ACC-PWR-JBLOCK-B

Jumper Block
Qty: 1




#10 × 3/4" Phillips Head Screw - Black
Qty: 4




ACC-PWR-CCBL-XX


Power Cross Cable-Silver
36" or 48"
Qty: 1



#8 × 3/4" Phillips Head Screw - Black
Qty: 2



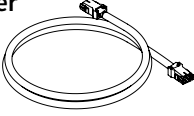
Cable Loop
Qty: 2



Power Jumper Cable

ACC-PWR-JBBCBL-54-B

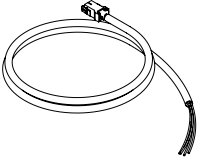
Back To Back Jumper Cable, 54" - Black
Qty: 1




Power In Feed Options

ACC-PWR-IN-HDWR-B

Power In Cable, 96" Hardwire, Dual Circuit
Qty: 1



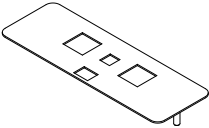
Installation Manual
Qty: 1




Inlay Mount Kit—Ordered Separately

ACC-PWR-INMNT-X


Inlay Face Plate
Qty: 2




1/4"-20 Thumb Nut-Black
Qty: 4




Mounting Tabs
Qty: 4



1/4"-20 Flange Nut-Silver
Qty: 4



Oval Grommet
Qty: 4

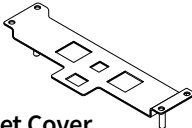


OR


Recessed Mount Kit—Ordered Separately

ACC-PWR-REMNT-X


Recessed Face Plate
Qty: 2



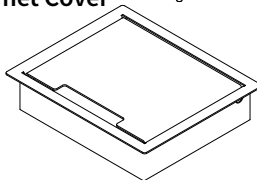
1/4"-20 Flange Nut-Silver
Qty: 4




#10 × 3/4" Phillips Head Screw - Black
Qty: 8




Grommet Cover
Qty: 2



#6 × 1/2" Phillips Head Screw - Black
Qty: 4



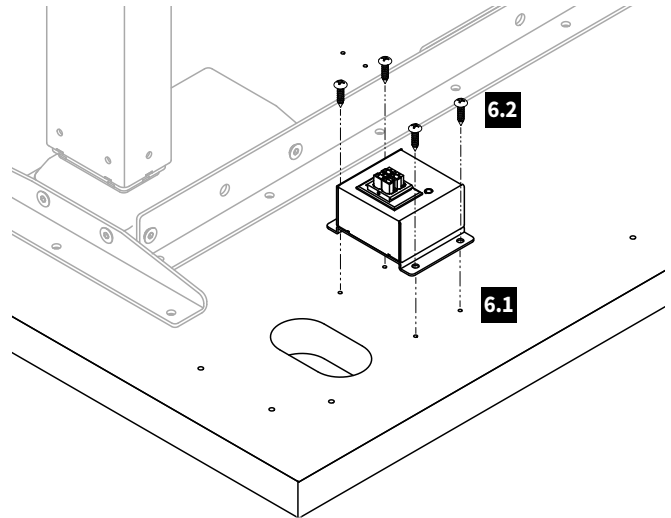
Oval Grommet
Qty: 4



6 Attach Power Jumper Block

- 6.1 Locate mounting holes for the Power Jumper Block
- 6.2 Attach Power Jumper Block with (4) #10 x 3/4" Phillips Head Screws

Note: There is no power block on the last station in the Benching Power System

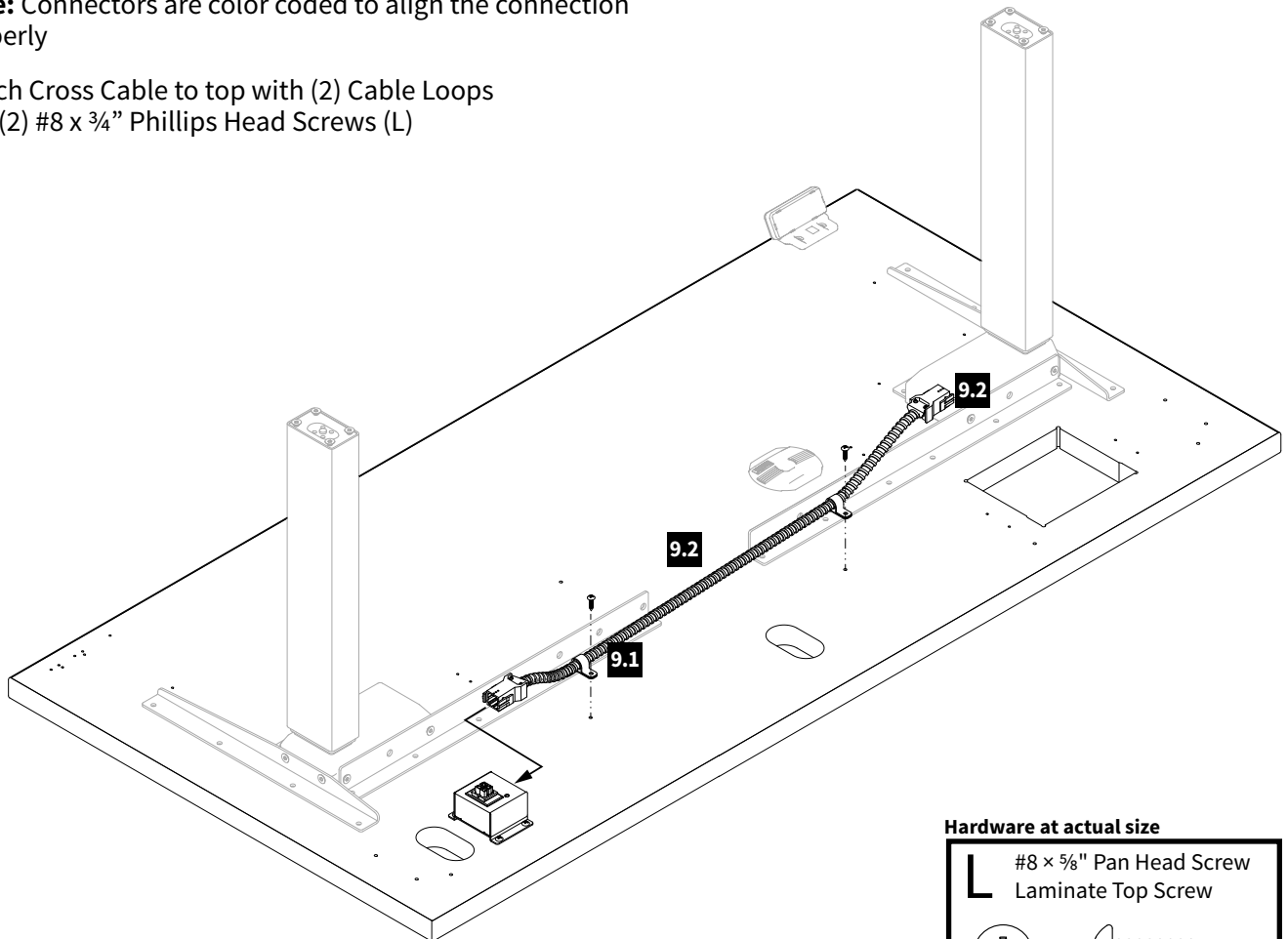


7 Install Cross Cable

- 7.1 Connect Cross Cable to Jumper Block until it snaps in

Note: Connectors are color coded to align the connection properly

- 7.2 Attach Cross Cable to top with (2) Cable Loops and (2) #8 x 3/4" Phillips Head Screws (L)

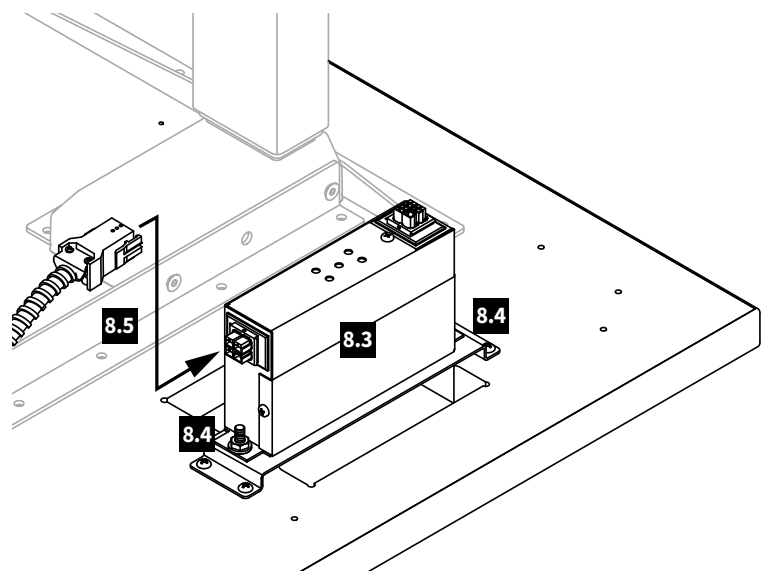
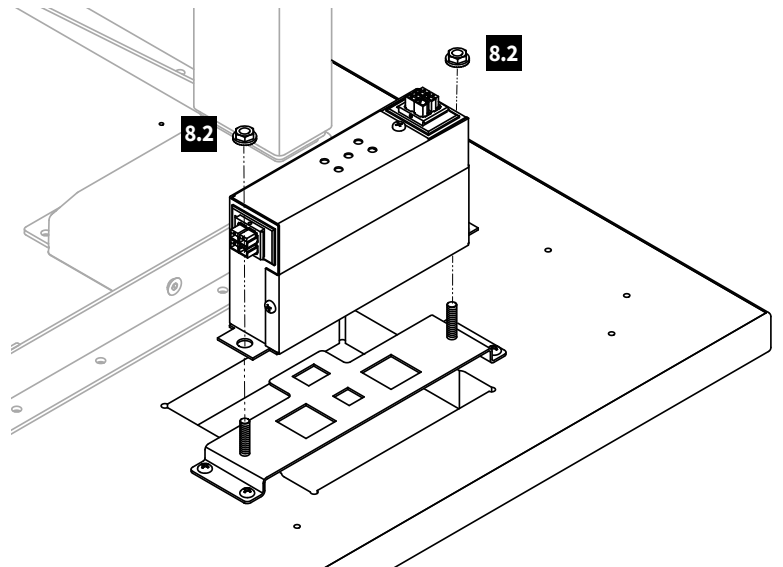
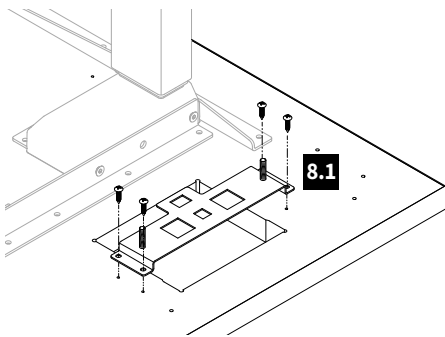


8 Install Recessed Power Option (For Inlaid Power Proceed to Step 11)

- 8.1 Attach Recessed Face Plate to top using (4) #10 x 3/4" Phillips Head Screws
- 8.2 Remove 7/16" Flange Nuts from face plate studs
- 8.3 Place Power Module onto the Recessed face plate
- 8.4 Re-install 7/16" Flange nuts and tighten with a 7/16" Wrench
- 8.5 Connect Cross cable to the Power Module

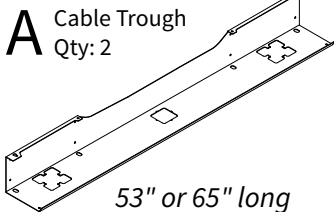






Note: Connectors are color coded to align connection properly

Note: There is no cross cable connection in the last station of the Bench System



Repeat for each additional station in the Bench System

Parts Included

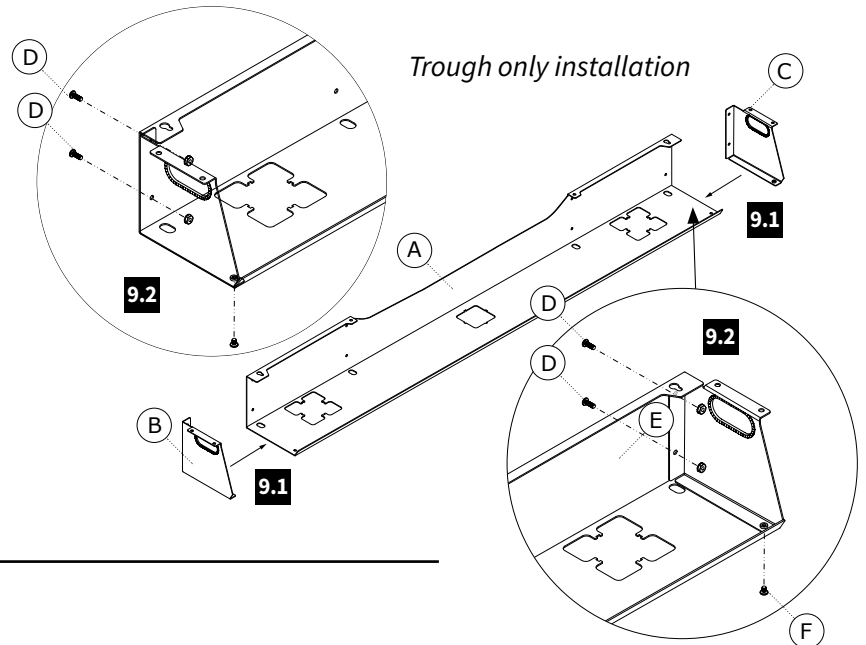
A Cable Trough Qty: 2  53" or 65" long	B Left Trough End Qty: 2 	D #10-32 x 1/2" Pan Head Machine Screws Qty: 8 	F #10-32 x 1/4" Pan Head Machine Screws Qty: 2 
	C Right Trough End Qty: 2 	E #10-32 Hex Nut Qty: 4 	G #12 x 3/4" Pan Head Wood Screw Qty: 8 

9 Assemble Cable Trough

9.1 Align Left Trough End (B) and Right Trough End (C) with the Cable Through (A)

9.2 Attach with (2) #10-32 x 1/2" Pan Head Machine Screws (D) and (2) 10-32 Hex Nuts and (1) 10-32 x 1/4" (F)

Note: If installing the Laminate Modesty Panel refer to the assembly instructions provided with the Modesty Panel

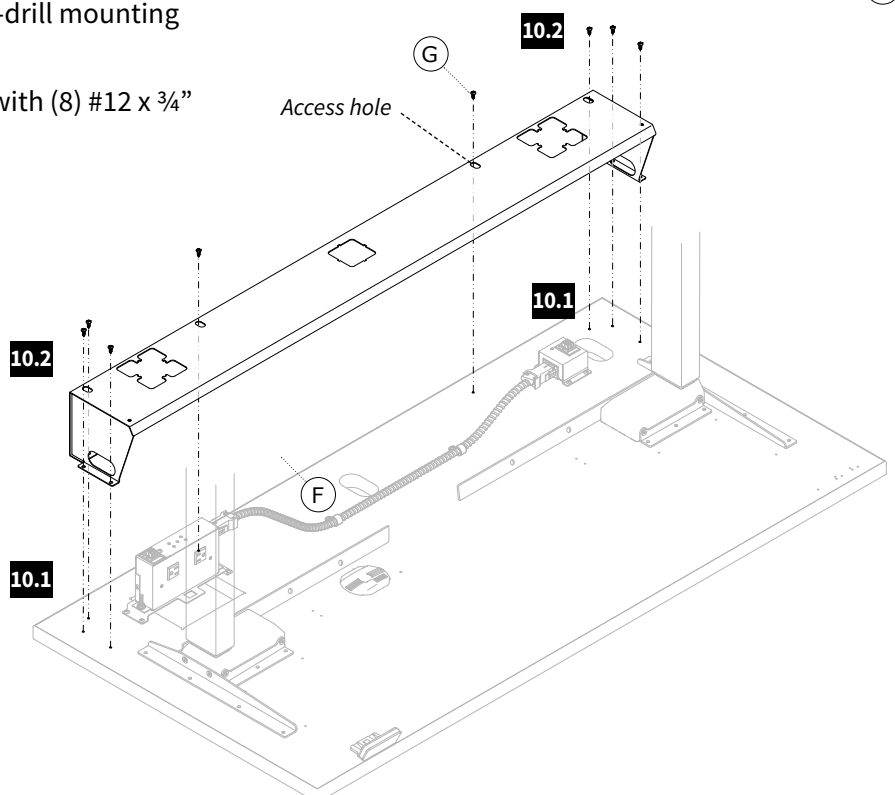


10 Install Cable Trough

10.1 Align Cable Trough assembly with pre-drill mounting locations in Top

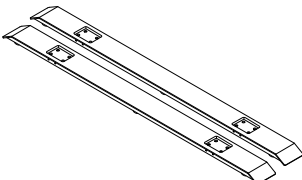
10.2 Attach Cable Trough Assembly to Top with (8) #12 x 3/4" Pan Head Screws (G) as shown

Repeat as required for additional stations in your Benching System



Parts Included

A Benching Feet with Glides
Qty: 2




Parts Included

B #M6 × 16 mm Flat Head Cap Screw
Qty: 16

C 4 mm Allen Wrench
Qty: 1

D Hole Plug
Qty: 20

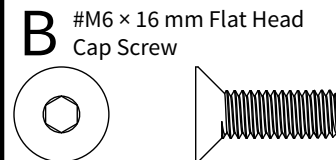


11 Attach Bench System Feet

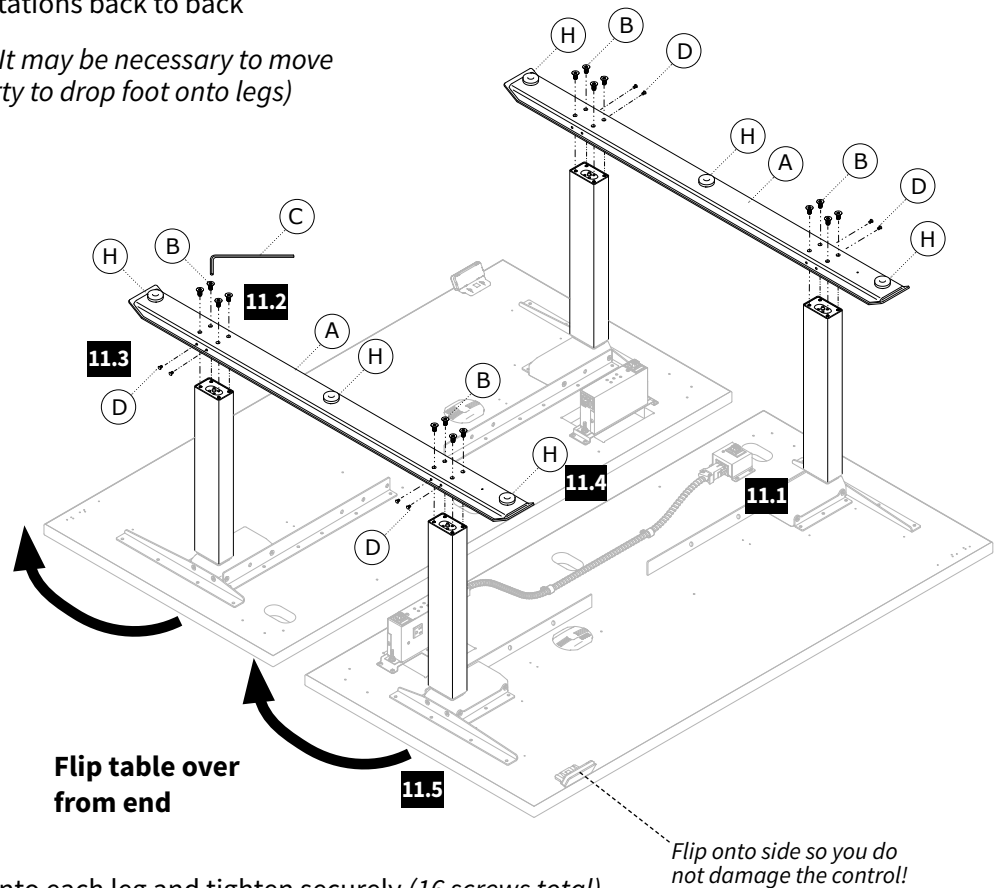
- 11.1** Align two (2) assembled workstations back to back
- 11.2** Place feet onto legs as shown (It may be necessary to move one of the bases to align properly to drop foot onto legs)

Hardware at actual size

B #M6 × 16 mm Flat Head Cap Screw



Note!
Only use the #M6 × 16 mm Flat Head Cap Screw (B) supplied with the Benching Foot Kit to attach feet.



- 11.3** Install (4) M4 x 16 mm screws into each leg and tighten securely (16 screws total)
- 11.4** Install (3) Foot Glides (H) into each foot (6 Foot Glides Total)
- 11.5** Using at least two persons carefully turn base assemblies upright from side end of table

Caution! Heavy!
DO NOT TURN THE TABLE OVER FROM THE FRONT EDGE OF THE TOP OR YOU WILL DAMAGE THE PROGRAMMABLE SWITCH

12 Install Inlay Power Module (If Using Recessed Power Module, Skip to Step 15)

12.1 Attach Inlay Face to Power Module with (2) 7/16" Flange Nuts and tighten with the 7/16" wrench

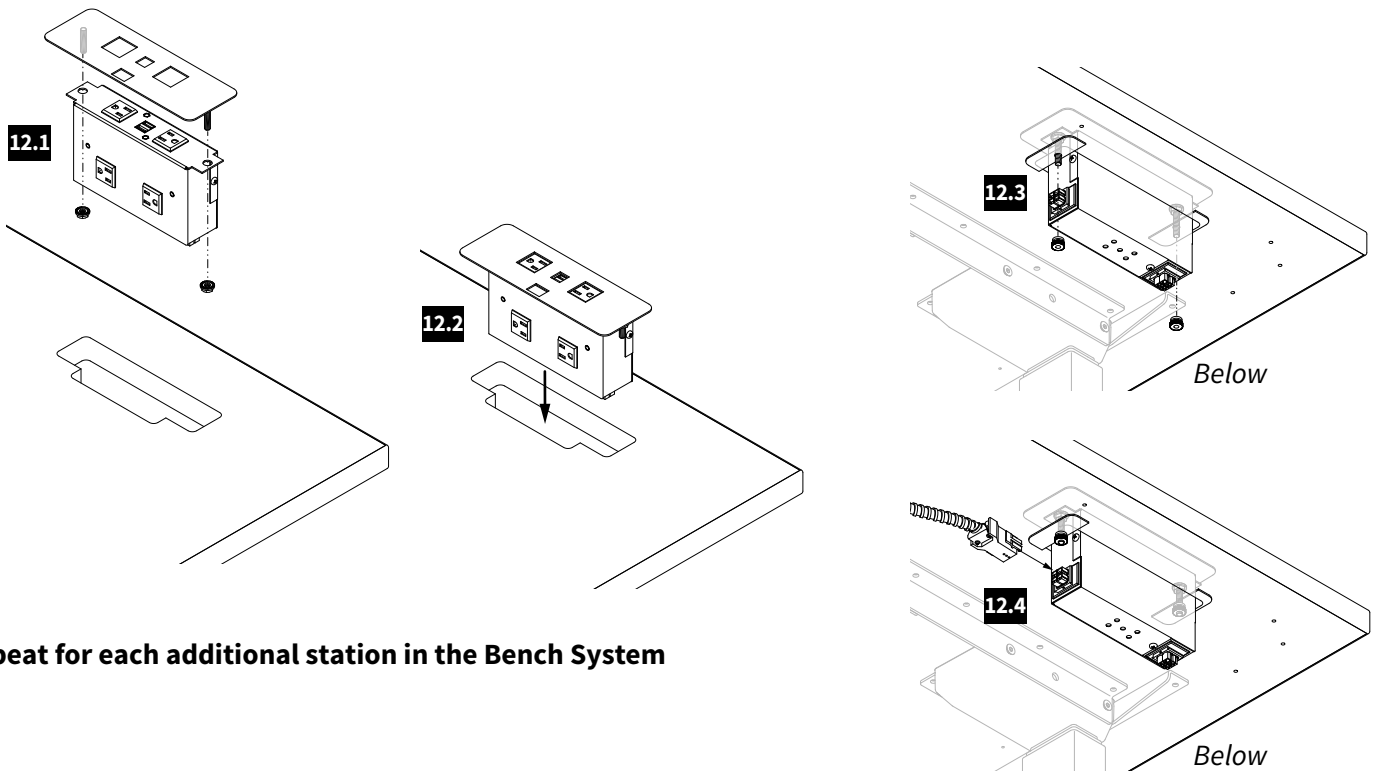
12.2 Place inlay power module assembly into top cutout (be sure power outlets under the desk face forward when installing module assembly)

12.3 Place a Mounting Tab on each stud and install (1) Thumb Nut onto each stud and tighten securely

12.4 Connect Cross Cable to power module assembly until it snaps in

Note: Connectors are color coded to align connection properly

Note: There is no cross cable to power module connection on the last unit in a bench system assembly



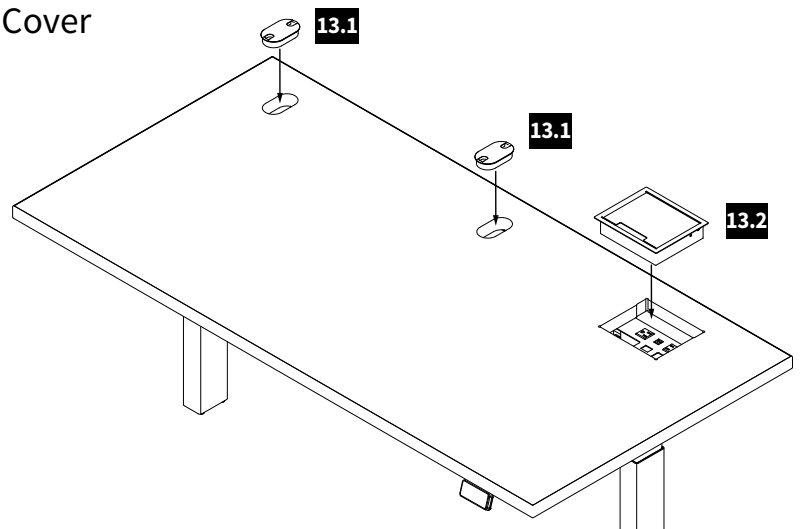
13 Install Grommets & Recessed Power Cover

13.1 Install Oval Grommet Covers

13.2 For Recessed Power place large rectangular Grommet Cover into Top

13.3 Secure rectangle grommet cover in place with (2) #6 x 1/2" Phillips Screws

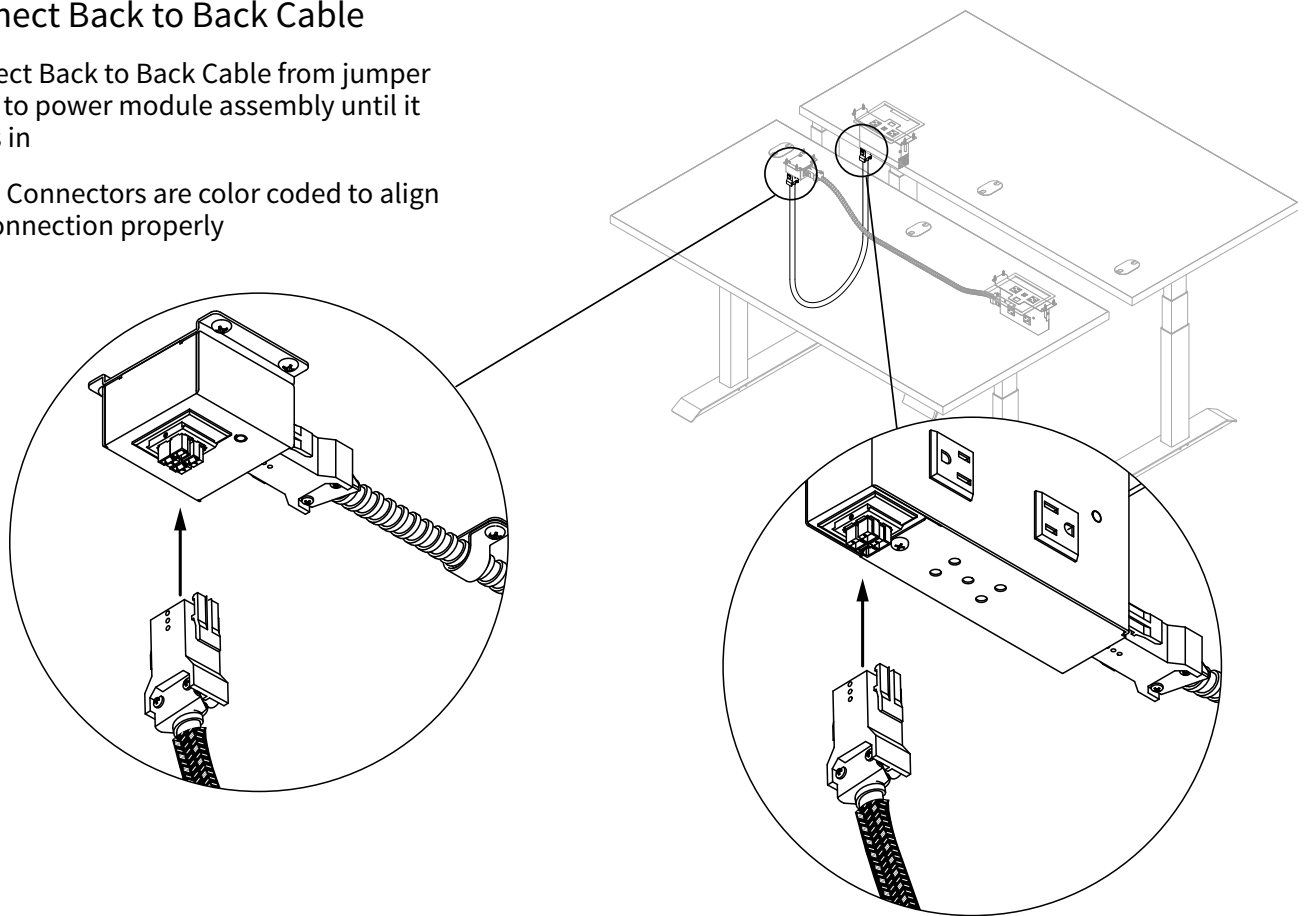
Repeat for each additional station in the Bench System



14 Connect Back to Back Cable

Connect Back to Back Cable from jumper block to power module assembly until it snaps in

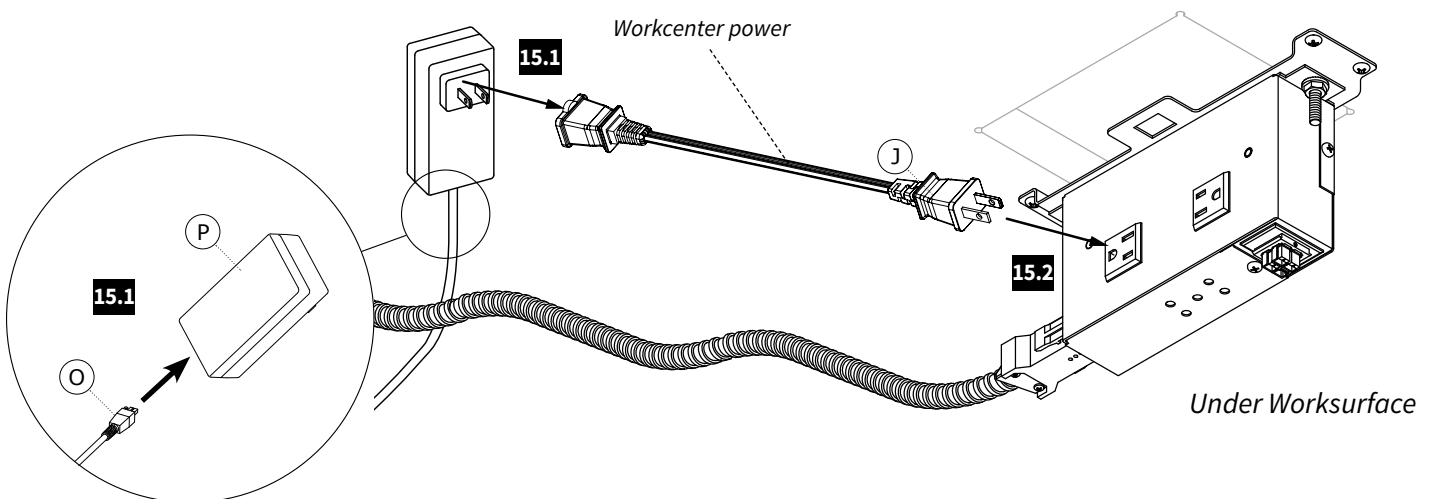
Note: Connectors are color coded to align the connection properly



15 Plug in Workcenter to Power Module

15.1 Connect the Power Cable (O) to the Power Supply (P), then connect to the Short Power Cord (J)

15.2 Plug in Workcenter to the under desk receptacle of the power module (*bundle the excess power cable length neatly and lay into the cable management trough*)

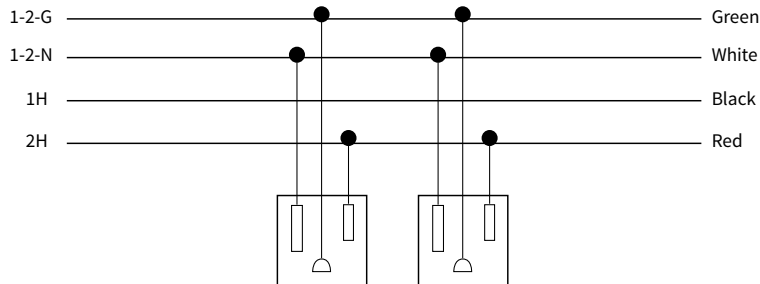


16 Connect Power In-Feed to Power Module

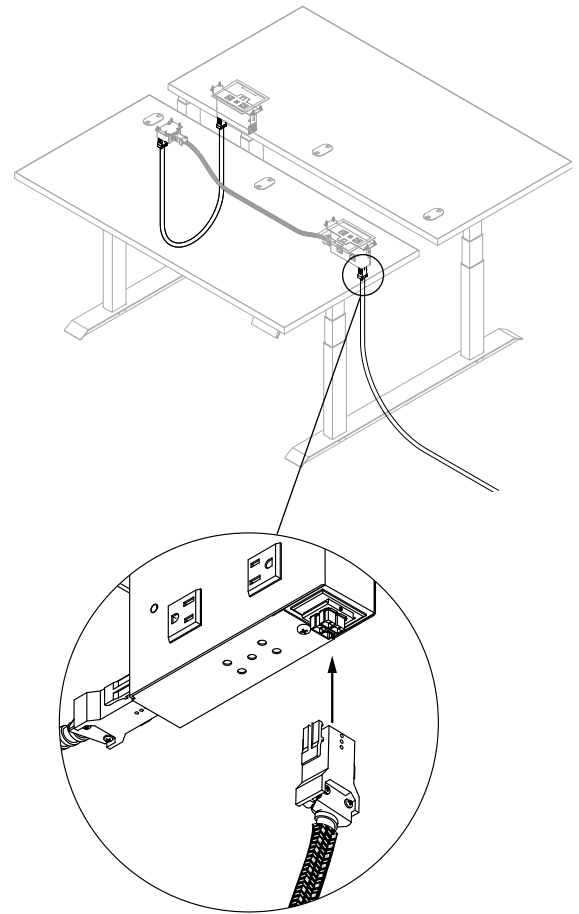
Snap color coded Power In-Feed Cable to Power Module

WIRING SCHEMATIC

4 wire 2 circuit: 2 Hots, 1 Neutral, 1 Ground
2 utility circuits share a neutral and a ground



* The National Electric Code provides recommendations to the number of receptacles that can be connected per circuit. ECA recommends using 75% loading per circuit as a guide; please consult with your local inspector as codes may vary in different geographic locations

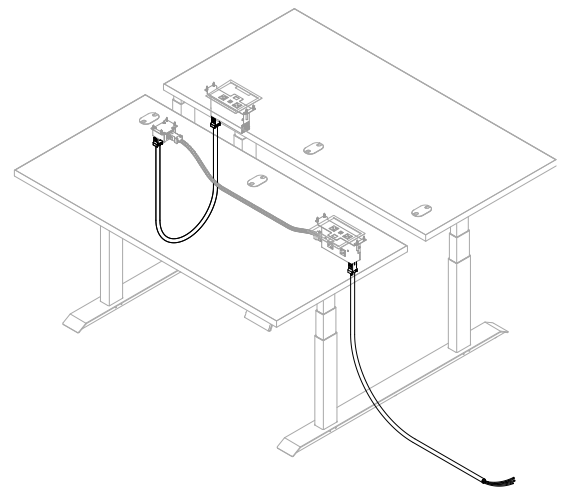


17 Connecting Power In-Feed to Building Power

Note: This step should only be performed by a professional licensed electrician.

Based on the National Electric Code (NEC) Article 220-14, receptacle outlets shall be calculated at 180 VA per duplex. Workrite electrical products are rated for use in 120 V systems which yield a duplex rating of 1.5 A. Because most applications actual circuit usage is variable or unknown, we recommend using a max circuit rating of 80% as a guide to determine how many receptacles should be connected per circuit. This translates into 8 duplex or 16 simplex outlets on a 15 AMP circuit and 10 duplex or 20 simplex outlets on a 20 AMP circuit.

Some local codes may vary from the NEC code therefore these are only recommendations and local codes should always be checked and followed.



WARNING!

Always install the Power In Feed as the last step when assembling a Benching System Power Module System. Power connection for power entry options offered with this daisy chain power system must be connected by a commercial electrician.

Do not electrically connect to more than one source of power supply.

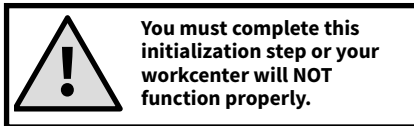
Always verify the electrical system is connected to one and only one source of power supply.

18 Adjust Feet Glides

If necessary, adjust Leveling Glides on workcenter feet to level the worksurface. Unscrew to increase height, screw in to decrease height.

19 Initialize Legs

After all Legs and Switches are connected, and Power In Feed has been plugged in, hold the **down arrow** on Switch until Legs make a short motion down and then back up. This initializes and synchronizes workcenter Legs.



Hold down the down arrow until workcenter moves slightly upwards! Repeat for all Workcenters.

20 Set Control Switch Initial Settings (For FDLX only)

- 20.1 Press the DOWN button to move table to its lowest position.
- 20.2 If using a worksurface other than a Workrite top, measure height of table from floor to top of worksurface. If using a Workrite worksurface, the number to use will be 27.5".
- 20.3 Press and hold both the UP and DOWN buttons simultaneously. Three dashes will appear. Wait for the numeric display to return.
- 20.4 Press the UP button until the display reads 27.5" (for Workrite worksurfaces) or measured height (for others).
- 20.5 The display will flash when the change has been saved.

✓ Cleaning Instructions

To clean the Sierra HX legs, apply cleaner to a soft cloth.

Suggested cleaners: Windex or Formula 409.

Do not use solvents and do not saturate or spray cleaners directly onto workcenter base.

✓ Parts & Accessories

Visit http://workriteergo.com/documentation/other/workrite_ergonomics_pricing_specification_guide.pdf for replacement parts.