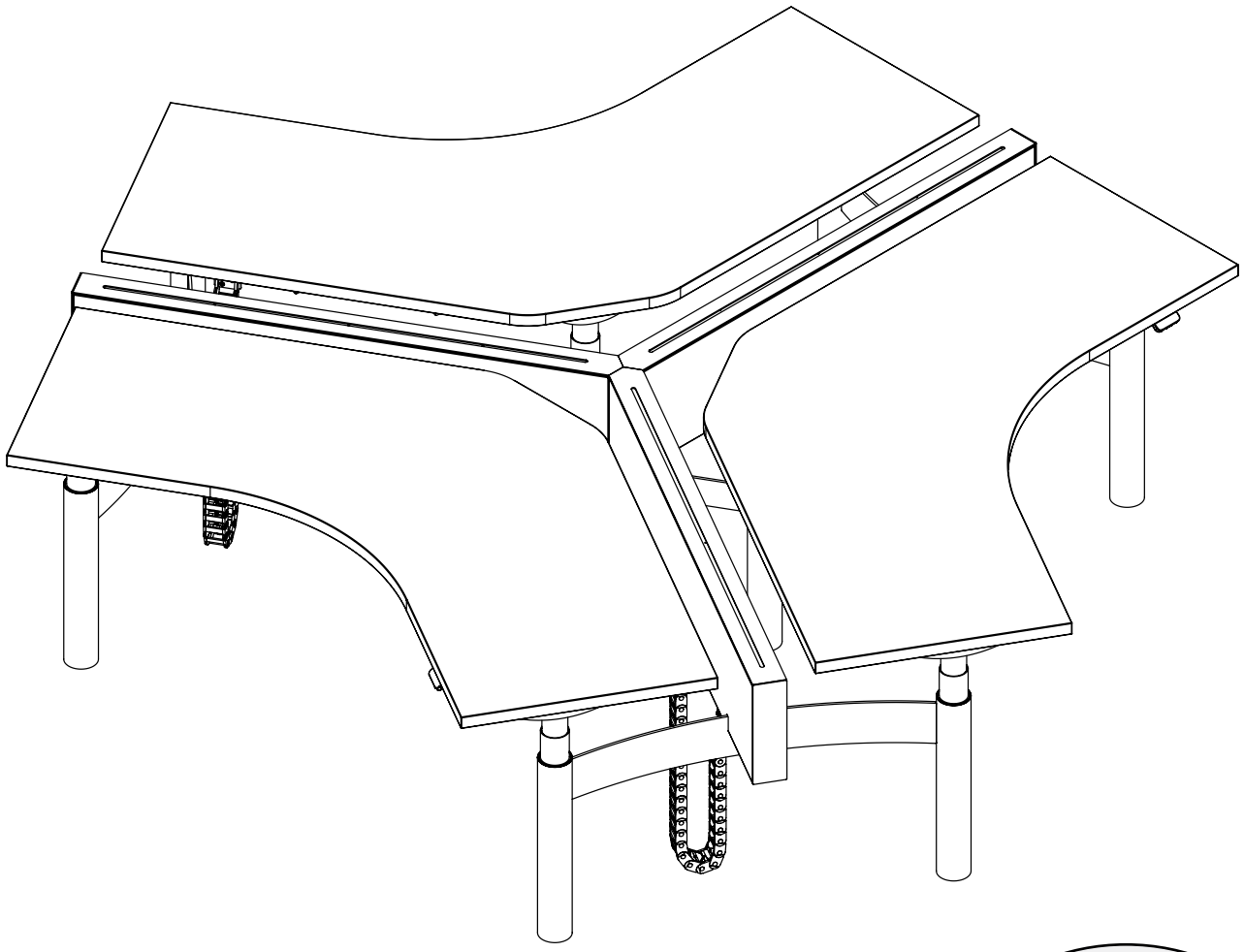
ASSEMBLY

Edison Workbench 120



View Digitally

Important Safety Instructions

This product is for commercial use only.
Maximum intended load for each worksurface is 200 lbs (91 kg)
When using an electrical furnishing, basic precautions should always be followed, including the following: Read all instructions before using (this furnishing).

DANGER

To reduce the risk of electric shock:

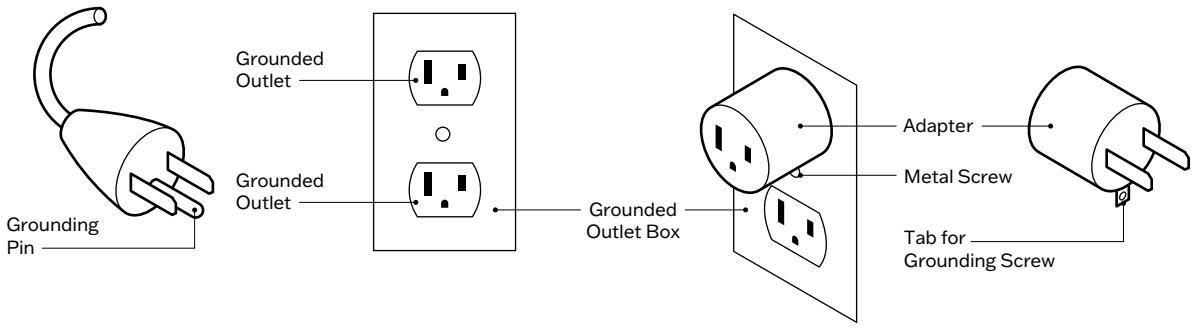
1. Always unplug this furnishing from the electrical outlet before cleaning.

WARNING

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

1. Unplug from outlet before putting on or taking off parts.
2. Close supervision is necessary when this furnishing is used by, or near children, invalids, or disabled persons.
3. Use this furnishing only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.
4. 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.
5. Keep the cord away from heated surfaces.
6. Do not use outdoors.
7. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
8. To disconnect, turn all controls to the off position, then remove the plug from outlet.
9. Risk of Electric Shock – Connect this furnishing to a properly grounded outlet only. See Grounding Instructions (Fig. 1).

Grounding Methods
(Fig. 1)



10. Mount furnishings at the correct height.
11. Risk of Fire or Electric Shock. It is possible for this office furnishing system to be connected to more than one source of supply. Disconnect all sources prior to any servicing. A single circuit shall not be powered by more than one source.

12. Electrical connection between rail segments shall be disconnected prior to removal of a mechanical connection.
13. The system may be supplied by a three phase power system with four individual circuits rated at 20 amps/120 volts max-imum, or as permitted by local code.
14. No more than 12 duplex receptacles shall be supplied by one circuit. (12 segments Two Duplex, 6 segments Four
15. For commercial use only.

NOTE - Installation must be in accordance with the National Electrical Code and local codes. Electrically interconnected tables need to be mechanically connected.

If Using Optional Utility Power -

1. The electrical desk plug must be plugged into the utility power when present.
2. 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 (see Figure 77.1). 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.

Save These Instructions

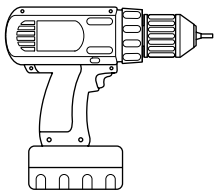
OPERATING INSTRUCTIONS – Please refer to the provided Installation Instructions and User Guide.

POLARIZED PLUG INSTRUCTIONS – To reduce the risk of electric shock, this furnishing has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

SERVICING OF DOUBLE-INSULATED PRODUCTS – In a double-insulated product, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated product, nor is a means for grounding to be added to the product. Servicing a double-insulated product requires extreme care and knowledge of the system, and is to be done only by qualified service personnel. Replacement parts for a double-insulated product must be identical to the parts they replace. A double-insulated product is marked with the words “DOUBLE INSULATION”, “DOUBLE INSULATED”, or ⧈.

This product is for use on a nominal 120-V circuit. 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.

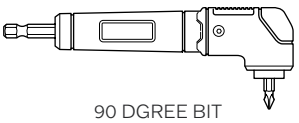
Tools



Electric Drill

Additional tools such as a 90 Degree Bit and an 18” Extension are helpful for some steps.

*No torque or ball bits should be used



90 DGREE BIT

Phillips Drill/
Driver Bit

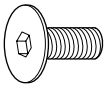
3mm Hex Drill/
Driver Bit

4mm Hex Drill/
Driver Bit

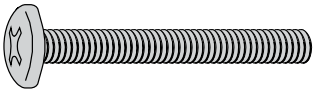
18” EXTENSION

Hardware

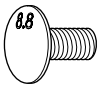
#10 x 5/6” Truss
Head Screw
(122800)



M6x12mm Flat
Head Screw
(0002637)

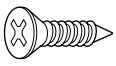


M6-1.0x40mm
Button Head Screw, Zinc
(125293)



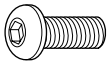
M6x12mm
Carriage Bolt
(0002636)

M6x12mm Button
Head Screw
(125290)



#8 x 3/4” Phillips
FlatHead Screw
(116755)

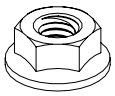
Thread Cutting Screw
(121538)



M6x18mm Button
Head Screw
(125278)

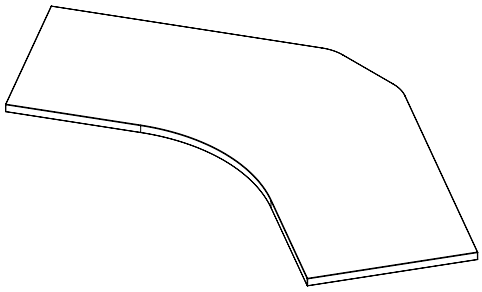
8-32x5/16” Thread
Cutting Screw
(0001907)

M-6-1.0
Nylock Nut, Zinc
(888152)

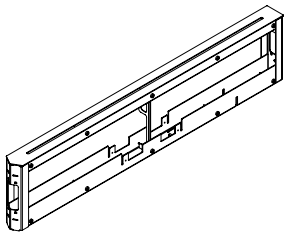


Flange Nut
(0001122)

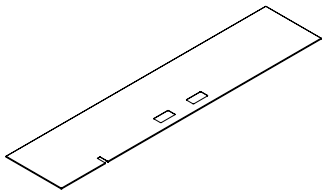
Components



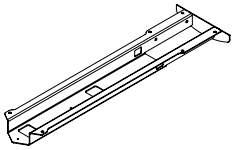
Surface



Power Beam

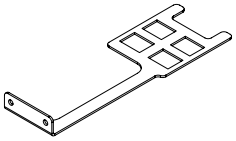


Modesty Side Panel

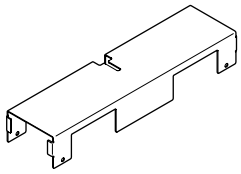


Support Rail

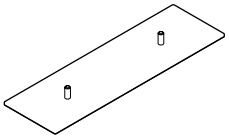
Center Support Rail



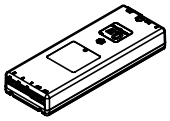
Data Port Bracket



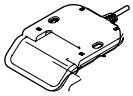
Power Supply Cover



End Plate



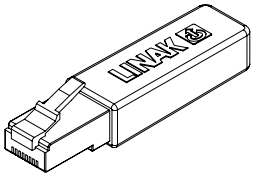
Control Box



Switch

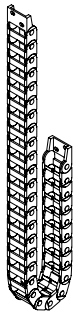
Wire Manager Clip

Coat Hook



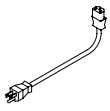
Anti-Collision Dongle

Energy Chain Bracket
(Optional)



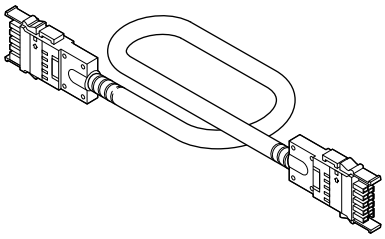
Energy Chain
(Optional)

Motor Cables

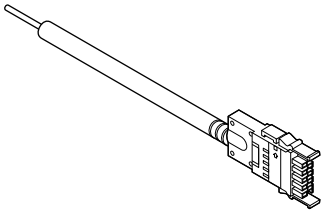


Power Cables

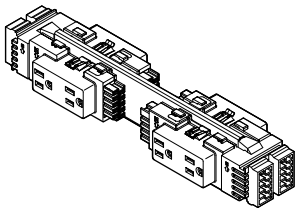
Components (continued)



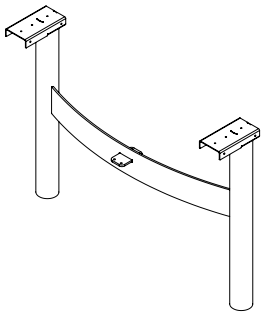
Jumper



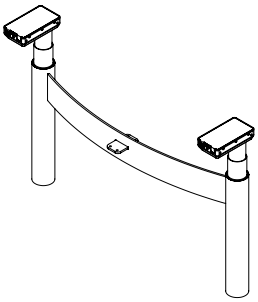
Power Infeed



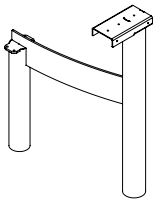
Power Harness



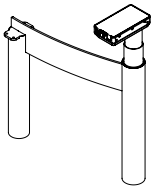
Dual Sided Fixed Height
Leg Assembly



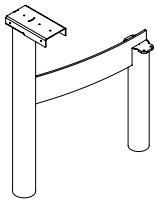
Dual Sided Height Adjustable
Leg Assembly



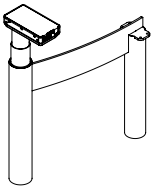
Single Sided Fixed Height
Leg Assembly, Right Hand



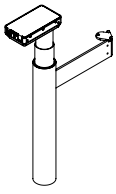
Single Sided Height Adjustable
Leg Assembly, Right Hand



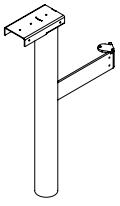
Single Sided Fixed Height
Leg Assembly, Left Hand



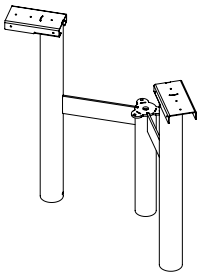
Single Sided Height Adjustable
Leg Assembly, Left Hand



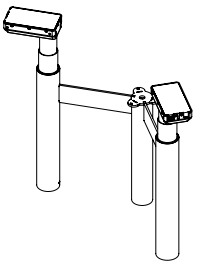
Three Surface 120 Center
Fixed Height Leg Assembly



Three Surface 120 Center
Height Adjustabile Leg Assembly



Two Surface 120 Center
Fixed Height Leg Assembly



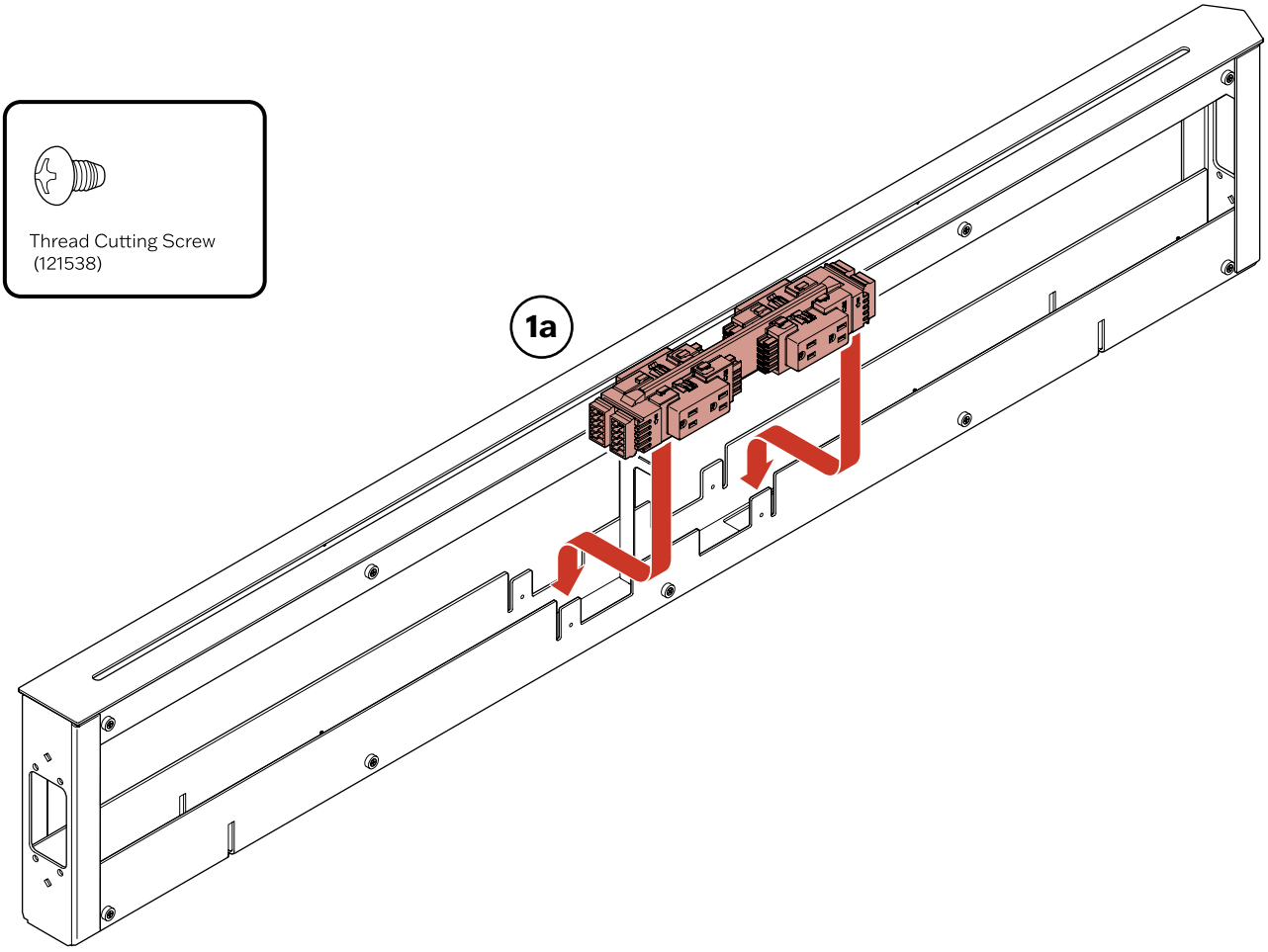
Two Surface 120 Center
Height Adjustabile Leg Assembly

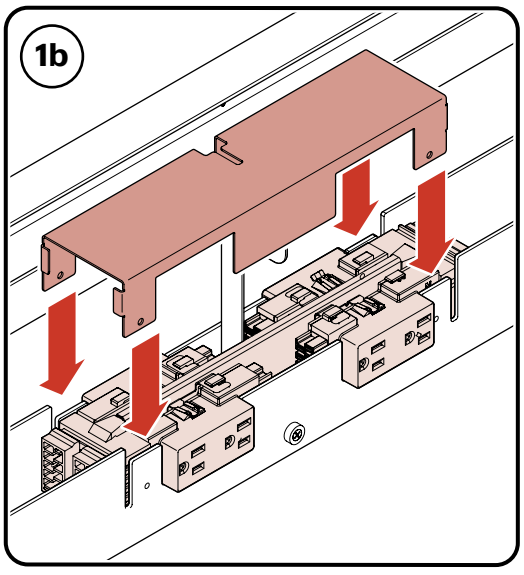
1. Secure Power Duplexes.

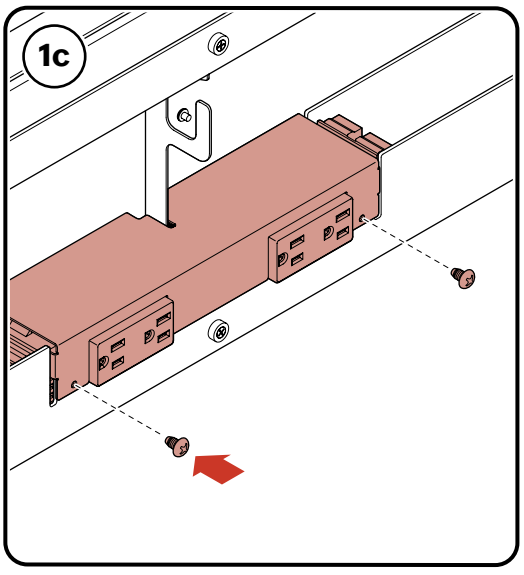
Place Power Beam sitting upright. Place the appropriate Power Duplex Module into the notch cuts in the center of the Power Beam (1a).

Place the appropriately sized Power Supply Cover over the top of the power duplexes (1b).

Secure the Power Supply Cover using four (4) Thread Cutting Screws per Power Supply Cover (1c).



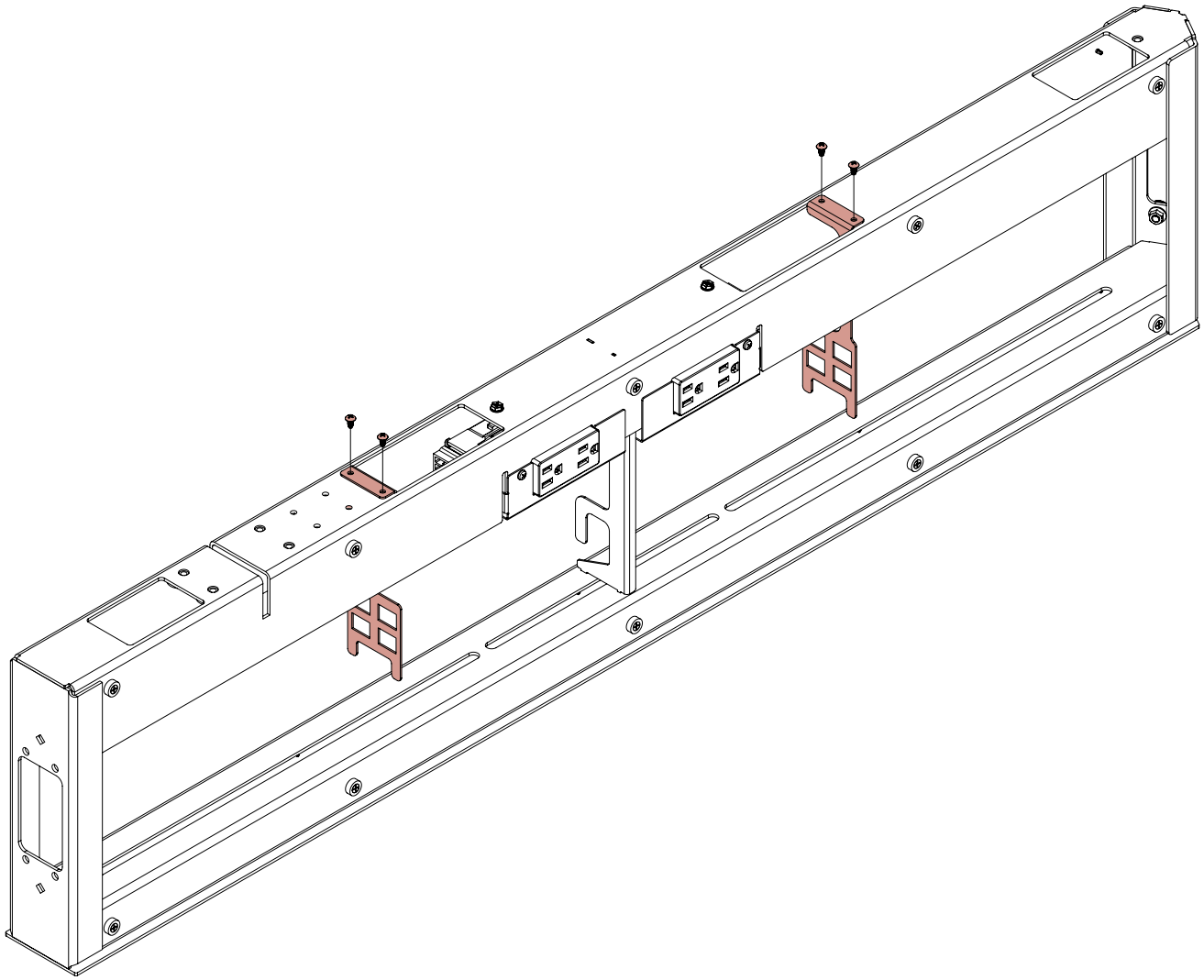




2. Secure Data Port Brackets.

Flip the Power Beam so that its underside is facing upwards. Pass the Data Port Bracket through the largest rectangular cutout located on each side of the Power Beam. Secure the two (2) Data Port Brackets using two (2) Thread Cutting Screws per bracket.

8-32x5/16"
Thread Cutting Screw
(0001907)



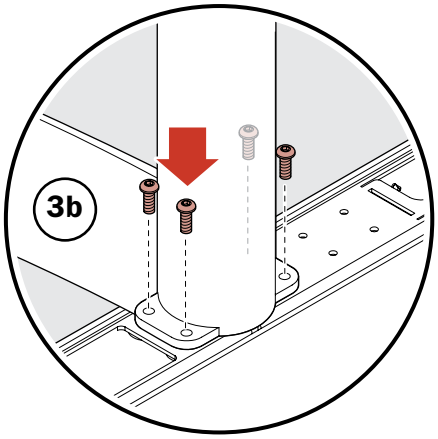
3. Attach H-Legs to Power Beam.

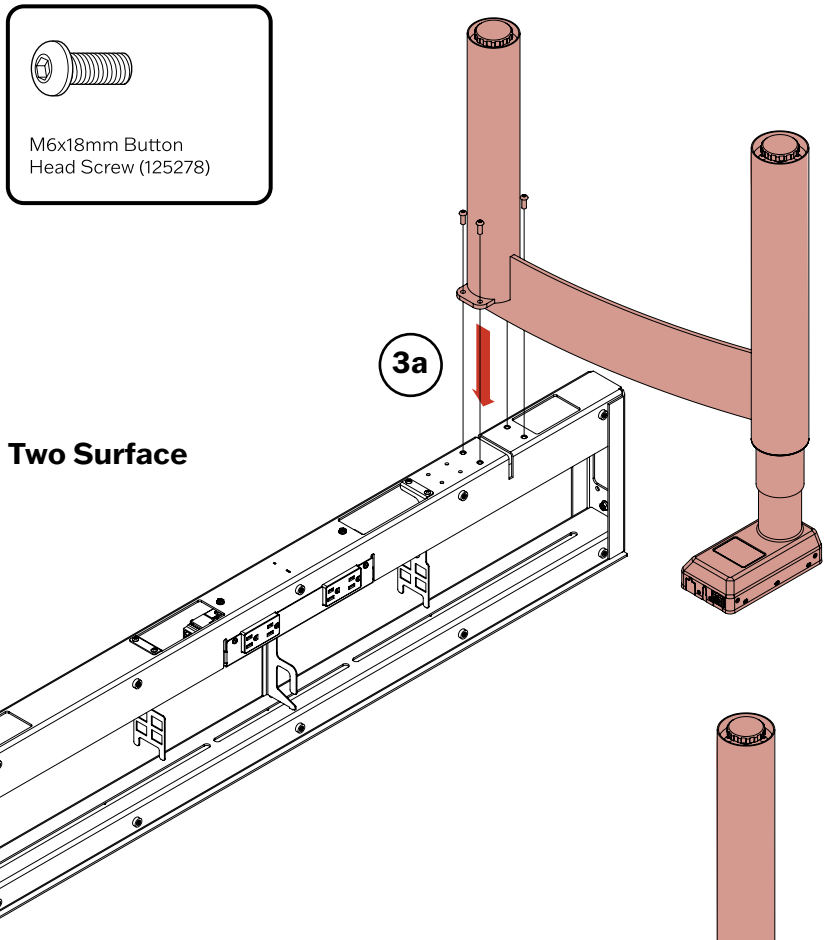
Place each H-leg and Lifting Column Assembly into the notch in the underside of the Power Beam with the Lifting Columns pointing towards the center of the Beam (3a). Line up the holes in the Mounting Bracket with the Weld Nuts in the Power Beam and secure each H-leg with using four (4) M6x18mm screws (3b).

Note: For a two surface Ed-Bench 120, orientate the legs as shown below.

Note: Use this same step but with the fixed height H-legs in a fixed height application.

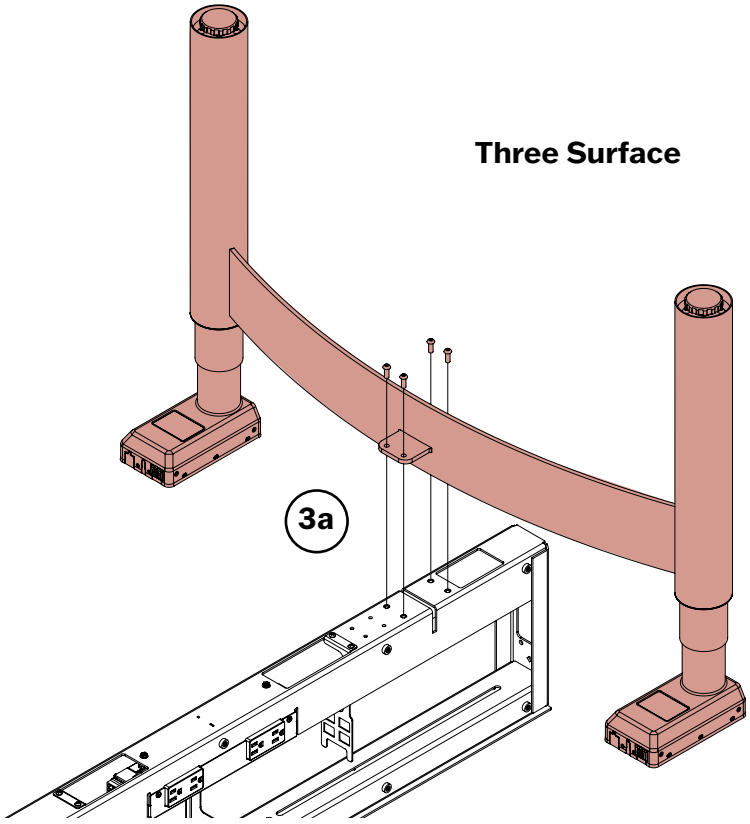
M6x18mm Button Head Screw (125278)

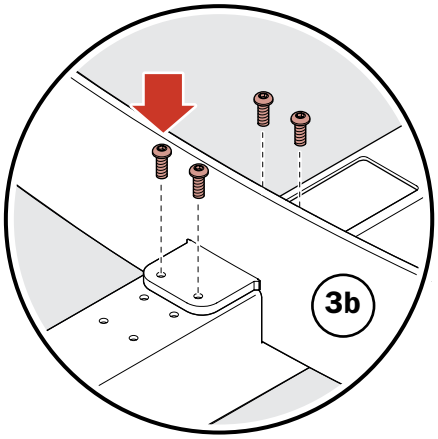




Two Surface

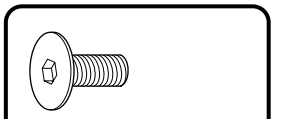
Three Surface



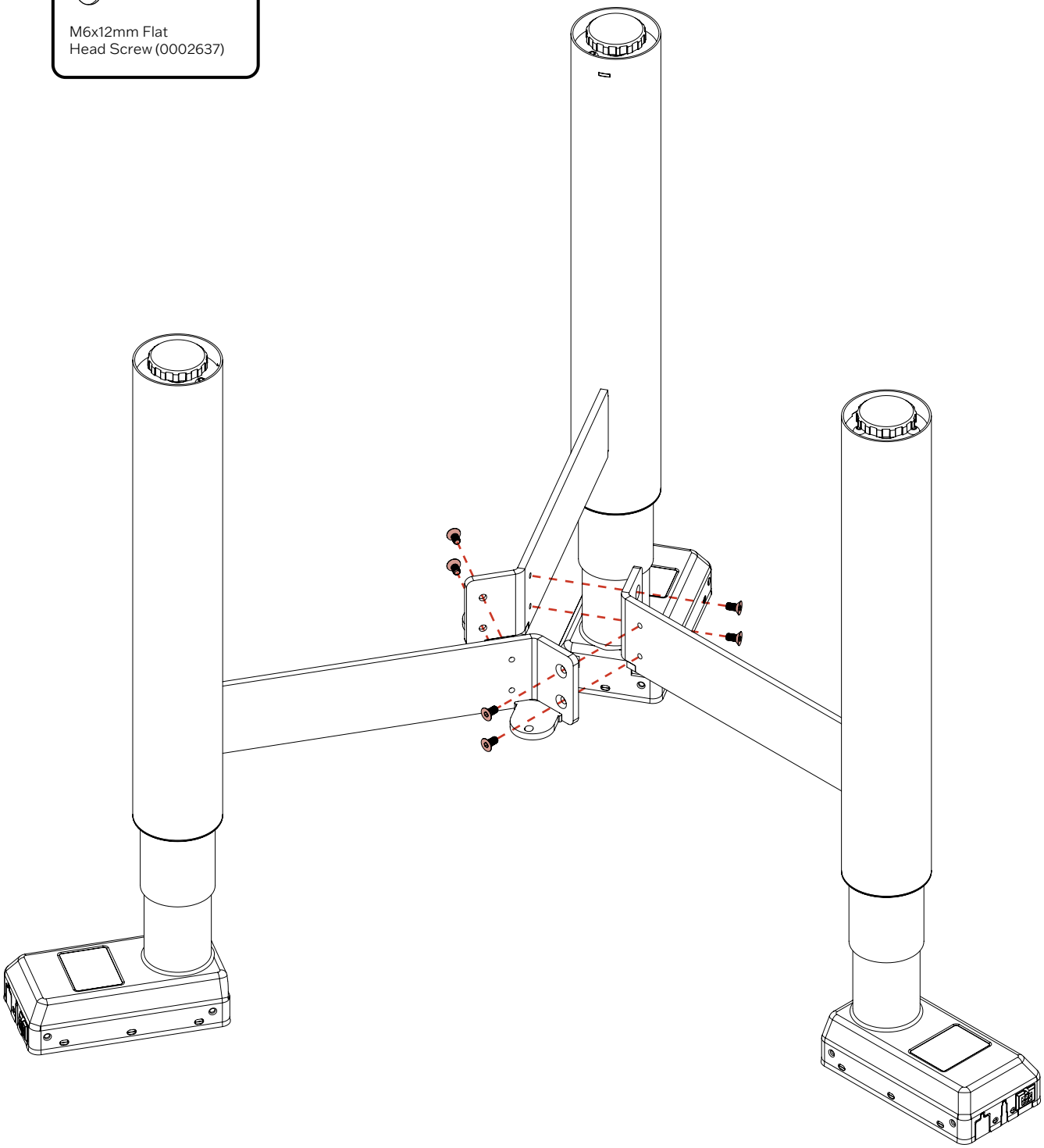


4. Attach Center Legs.

Place the center legs on their tops. Secure each Center Leg to each other using two (2) M6x12mm Flat Head Screws per Center Leg. Flip the assembly upright.

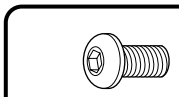


M6x12mm Flat
Head Screw (0002637)

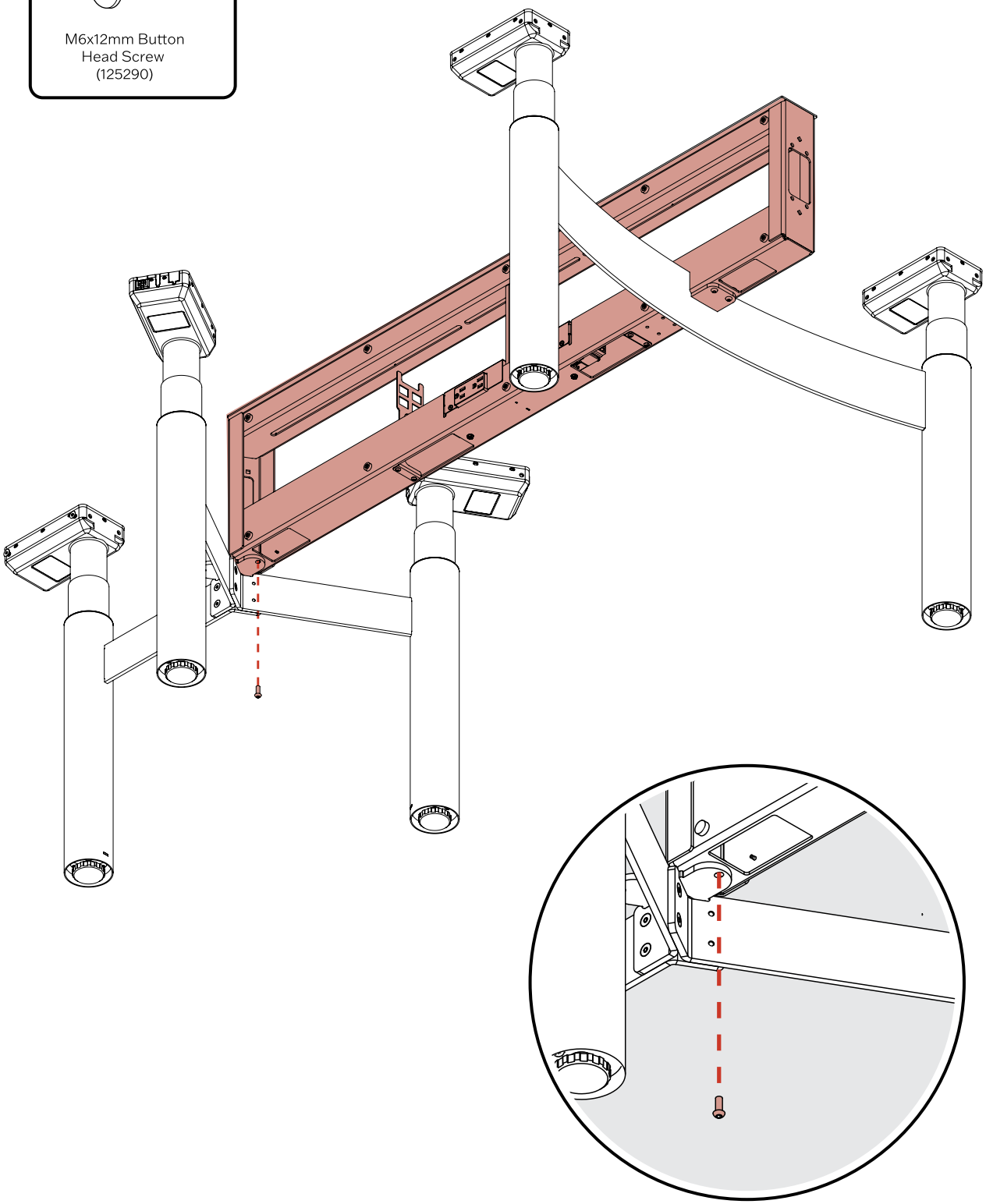


5. Attach Center Legs to Power Beams.

Flip the Power Beam and H-Leg assemblies over and rest them on the top of the Center Leg assembly. Secure the Power Beam to the Center Leg with one (1) M6x12mm Button Head Screws per Power Beam.

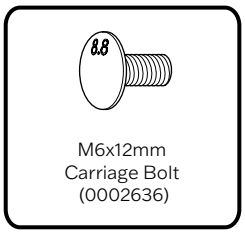


M6x12mm Button Head Screw (125290)

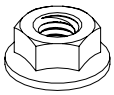


6. Attach Power Beams.

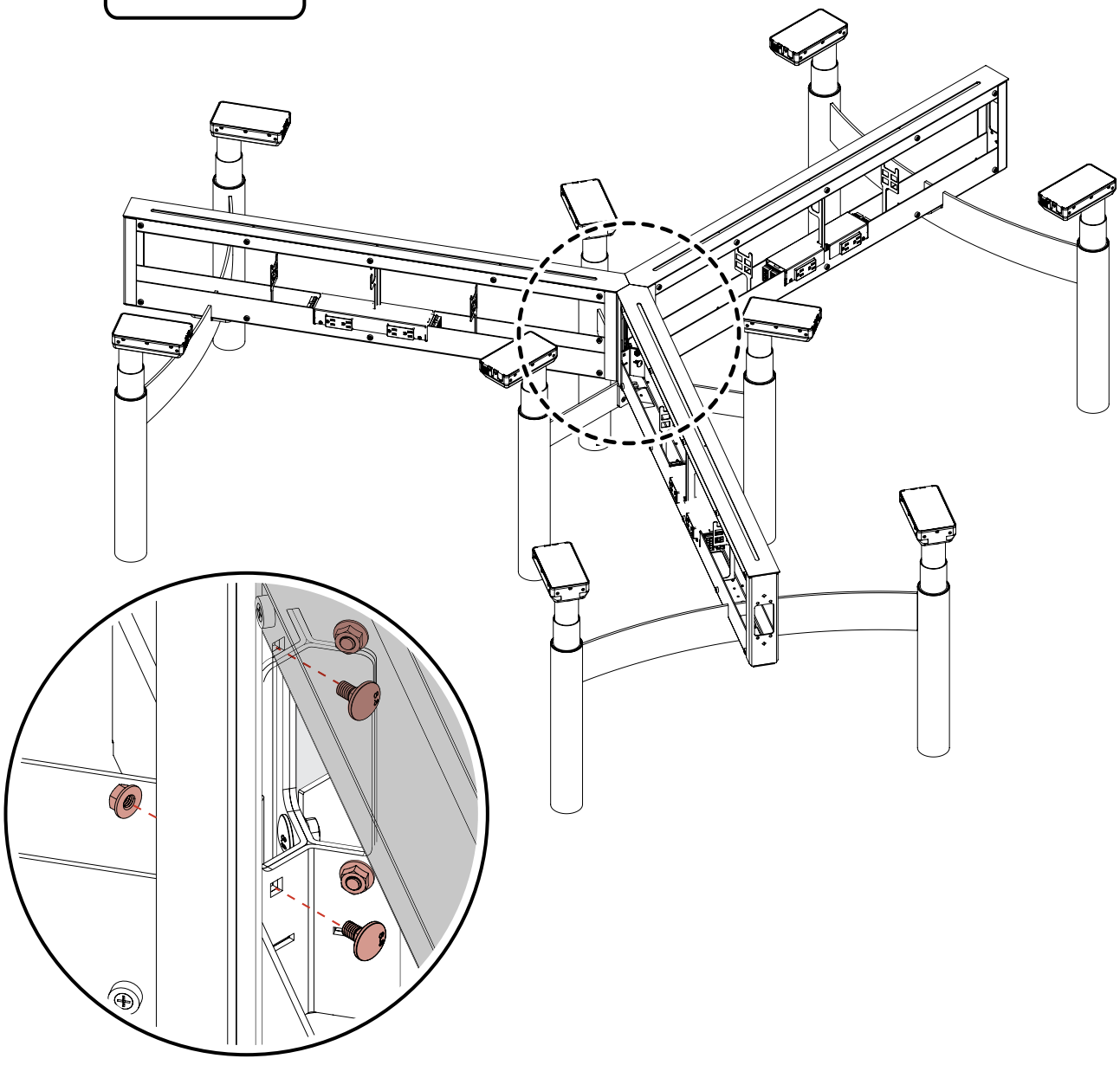
Insert two (2) Carriage Bolts through the square shaped cutout for each Power Beam connection, passing through both Power Beams, and secure each bolt using an M6 Flange Nut.



M6x12mm
Carriage Bolt
(0002636)

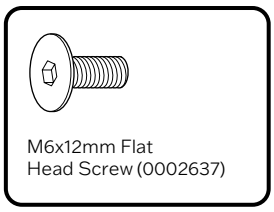


Flange Nut
(0001122)

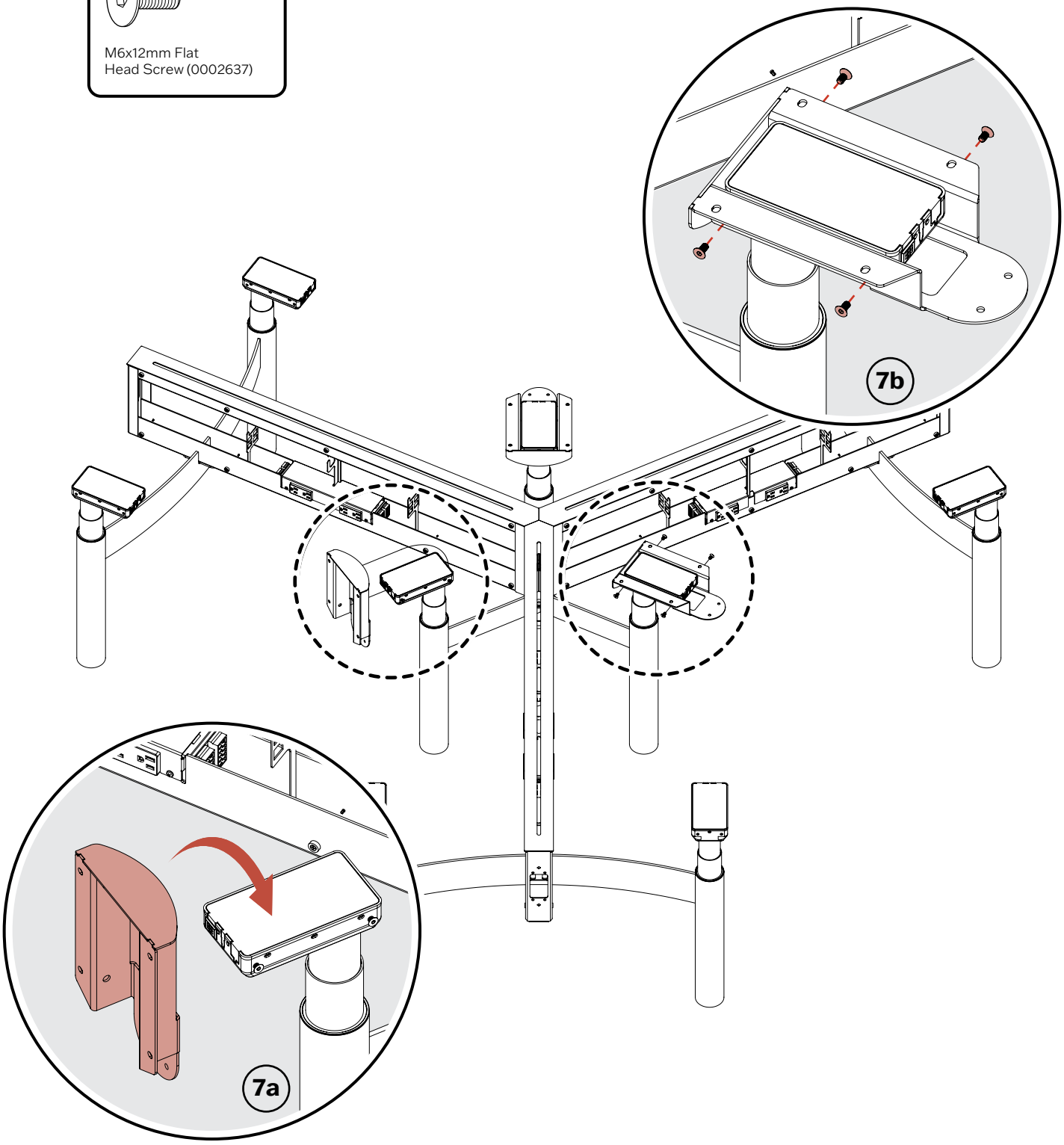


7. Attach Center Support Rails.

7a: Slide the Center Support Rail over the top of the Center Leg.
7b: Secure the Center Support Rail to the Center Leg with four (4) M6x12mm Flat Head Screws per Center Support Rail Rail.



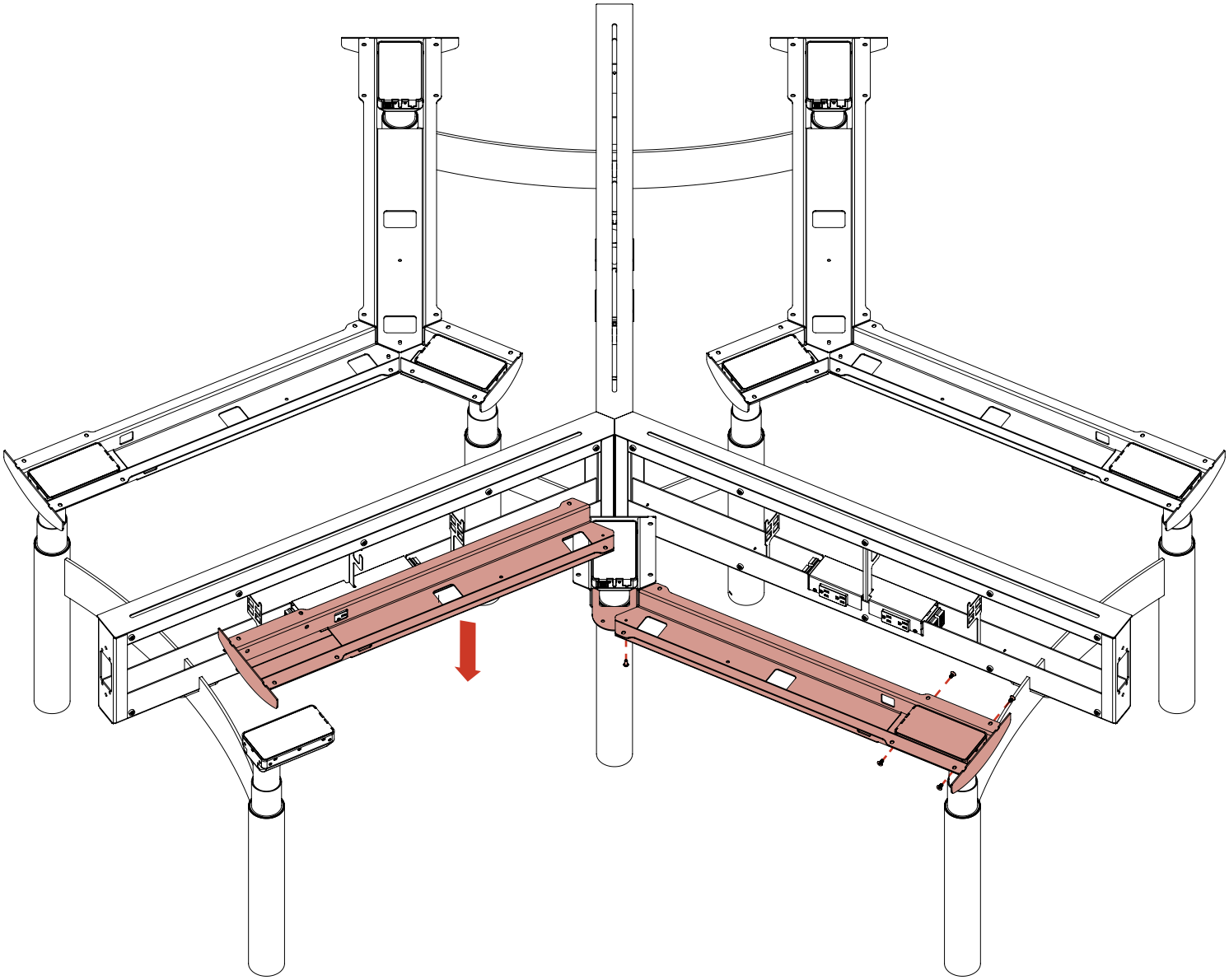
M6x12mm Flat
Head Screw (0002637)



8. Attach Support Rails.

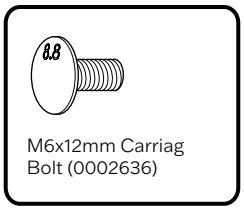
Rest the open end of the Support Rail on the Center Support Rail and secure the Support Rail to the H-Leg with four (4) M6x12mm Flat Head Screws. Secure the Support Rail to the Center Support Rail with one (1) M6x12mm Button Head Screw.

M6x12mm Button Head Screw (125290)



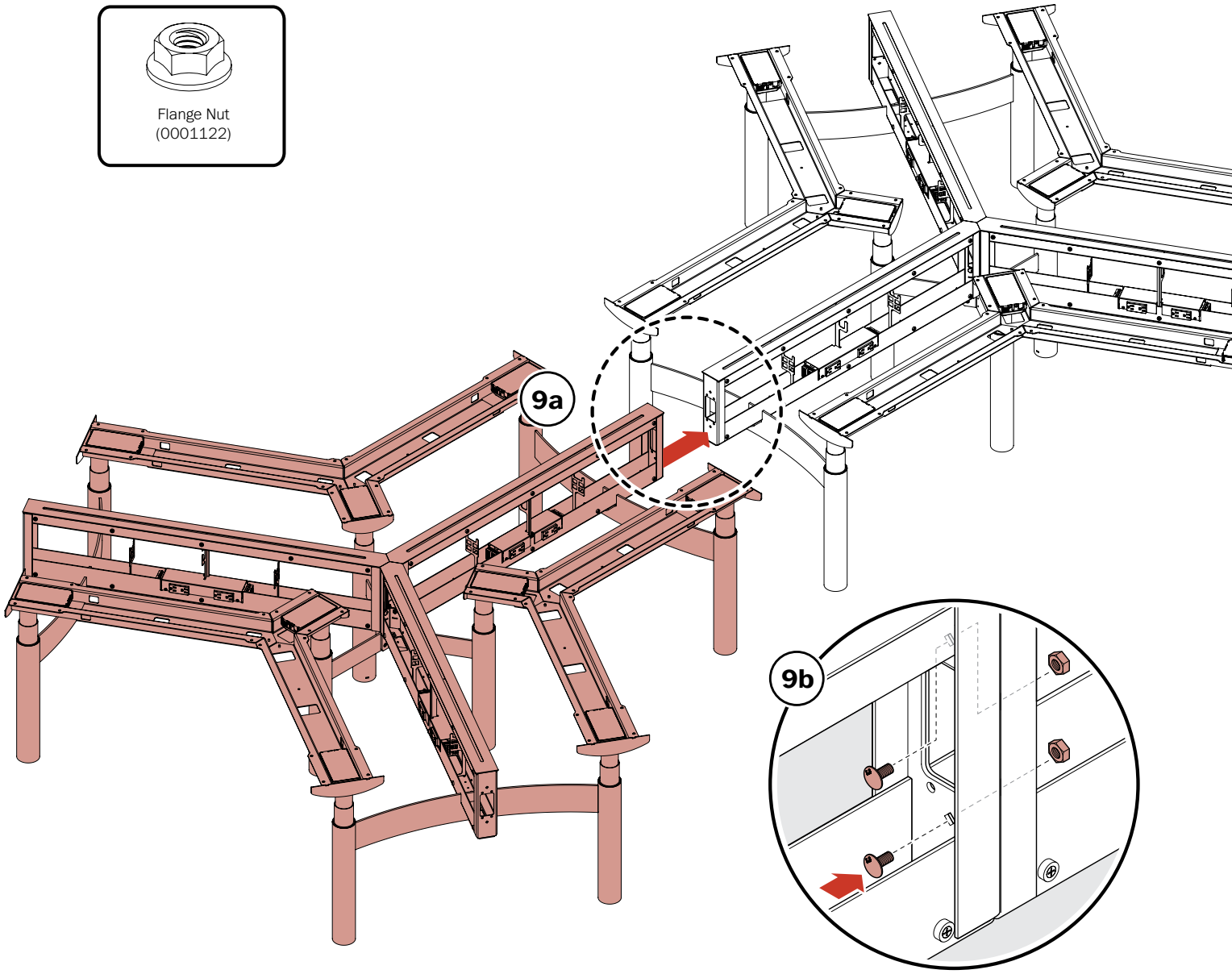
9. Secure Multiple Bench Segments.

If ganging together multiple Bench Segments, place the Segments end-to-end at the Power Beam. Insert two (2) Carriage Bolts through the diamond shaped cutout, passing through both Bench Segments, and secure each bolt using an M6 Flange Nut.



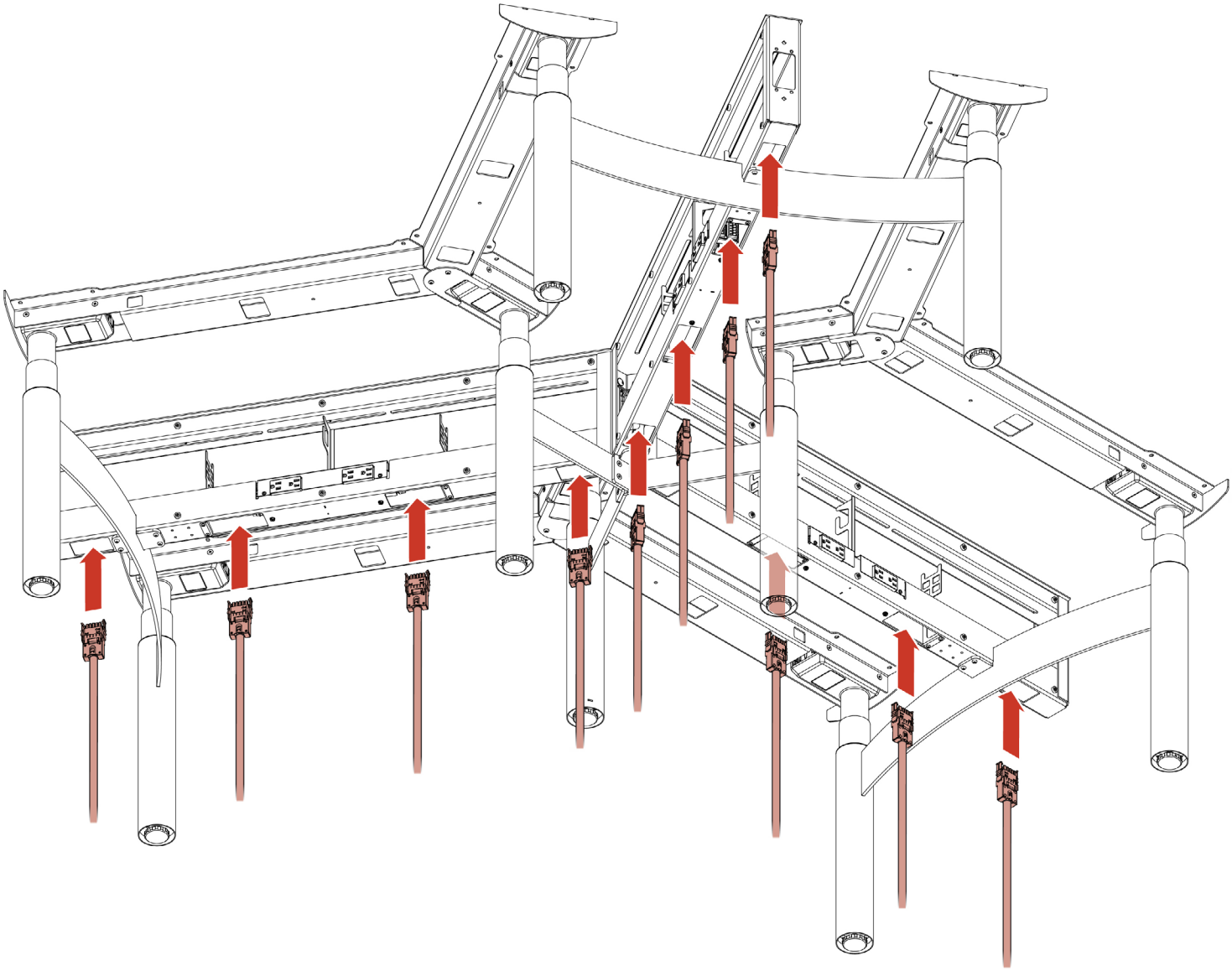
M6x12mm Carriag Bolt (0002636)

Flange Nut (0001122)



10. Install Infeed.

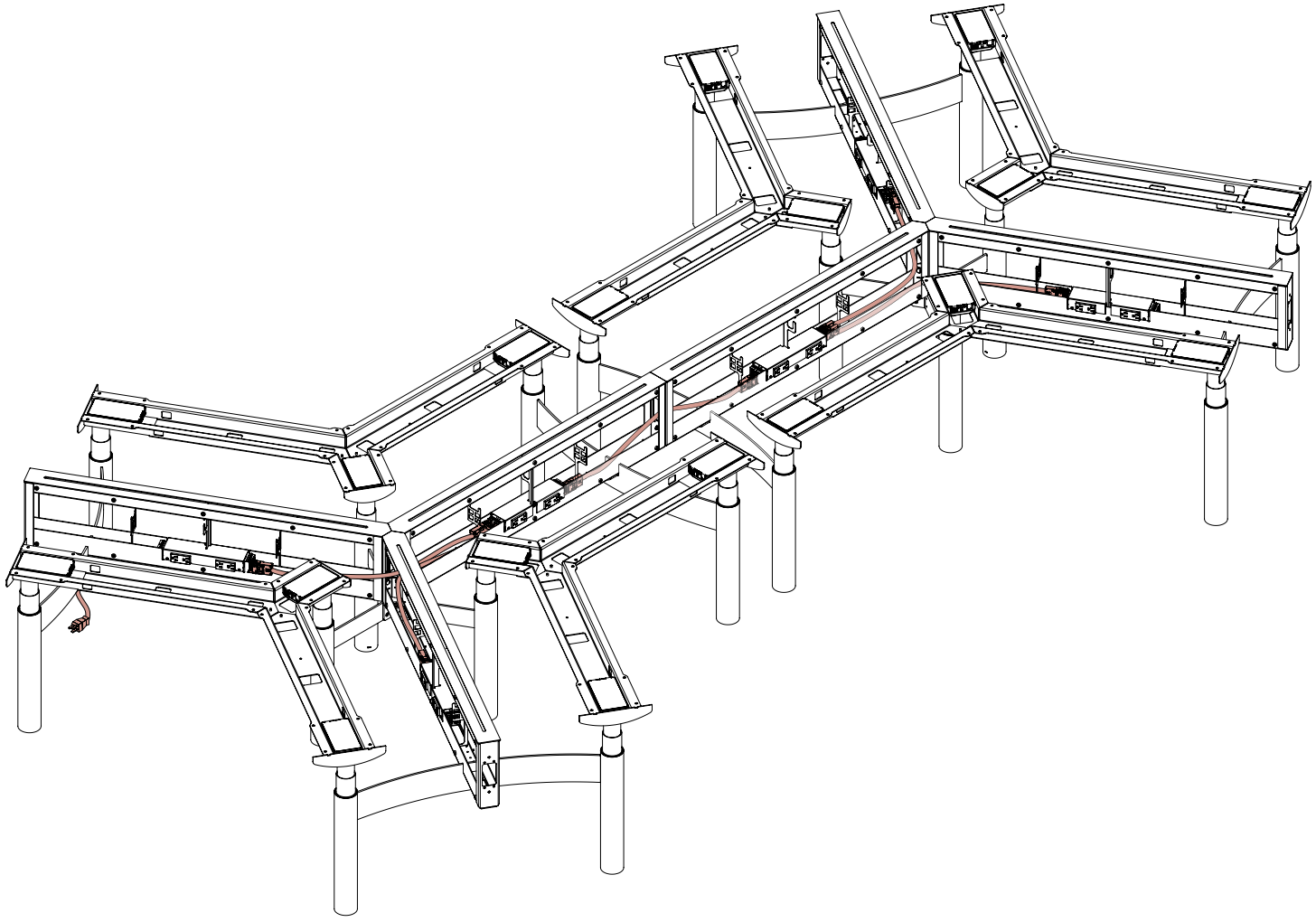
Align Infeed's Power Harness with cutout in the Power Beam.
Feed the infeed through the cutout in the bottom of the appropriate Power Beam.



11. Install Jumpers/Infeed.

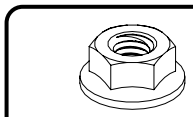
Once your Infeed is fed through the cutout in the bottom of the appropriate Rail Segment, connect it to the Power Harness. Connect each end of a Jumper to an end of the Power Harness from both bench segments.

Note: Jumpers only connect in one orientation: arrows on Jumper and Harness will align to indicate proper connection. Ensure the Jumper Plastic Clips are engaging the Harness Clip to prevent disconnection.

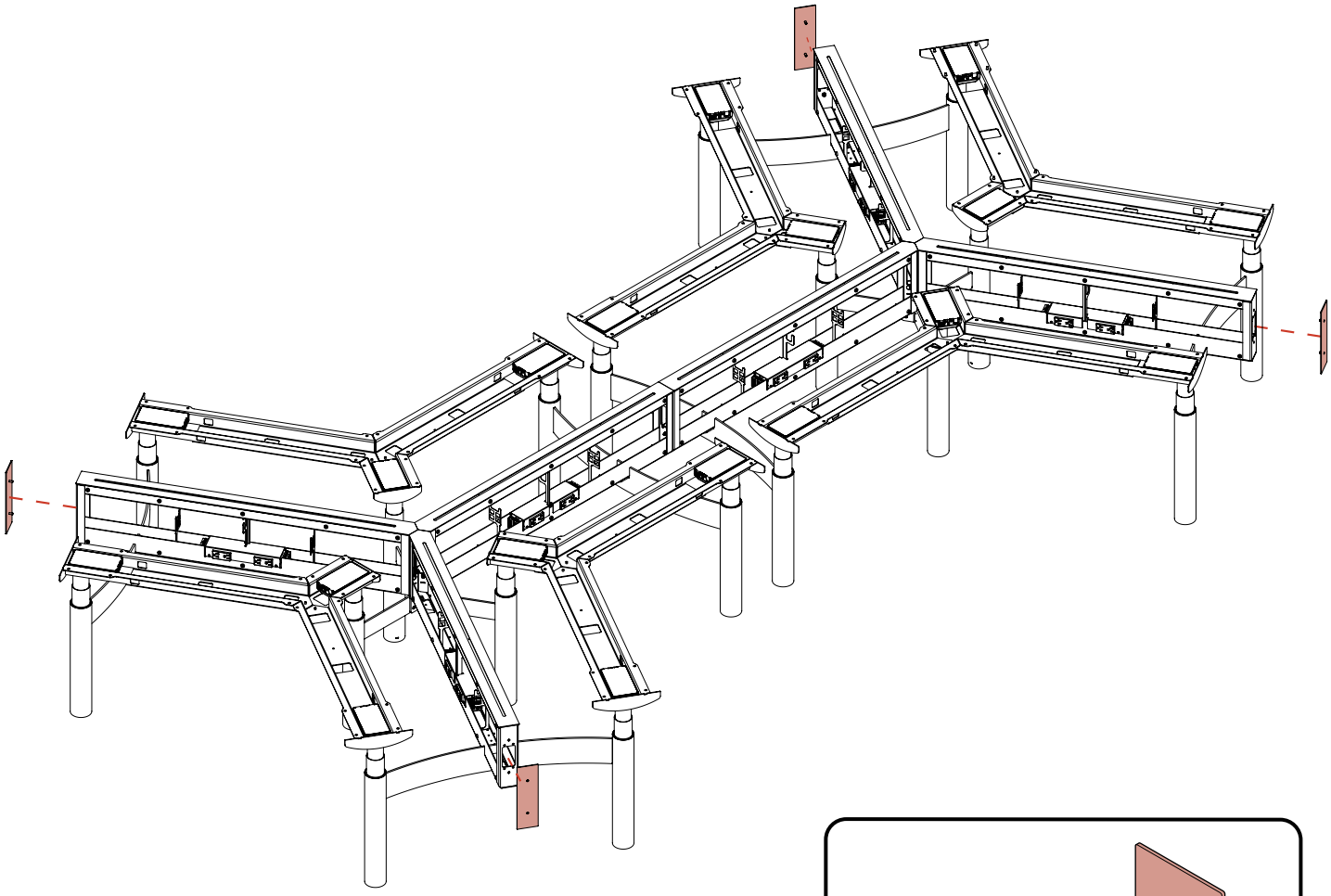


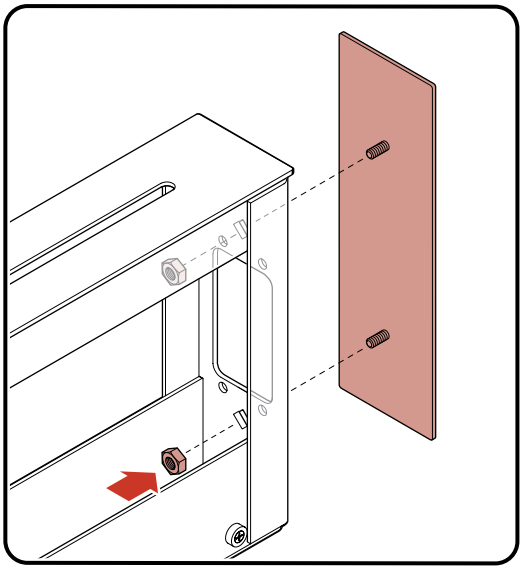
12. Install End Plates.

Align an End Plate to the outer ends of the Workbench. Place the two (2) threaded studs on each End Plate through the two (2) diamond cutouts on each End Bracket of the Power Beam. Secure each End Plate using two (2) M6 Flange Nuts.



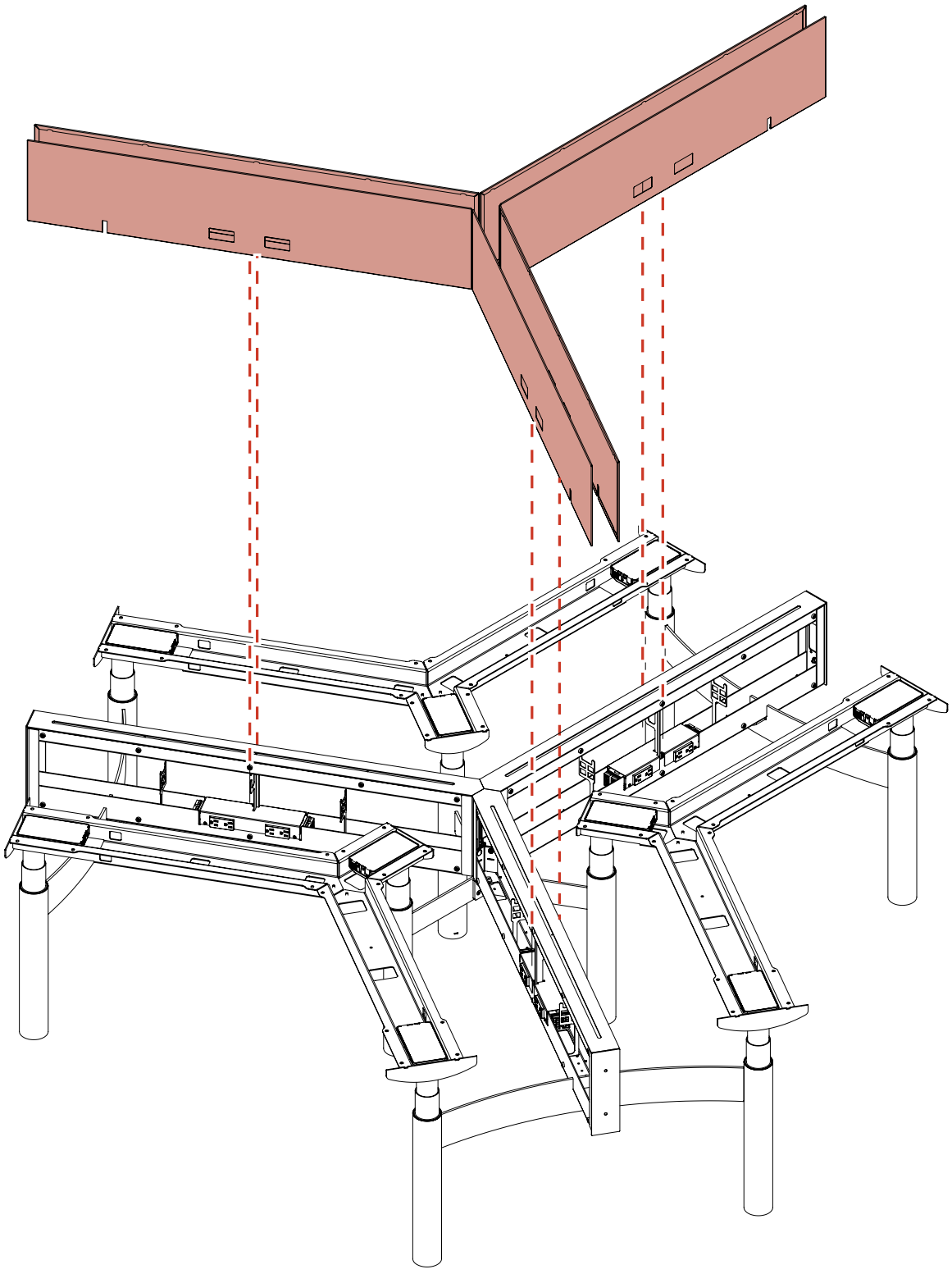
Flange Nut
(0001122)





13. Attach Panels to Power Beam.

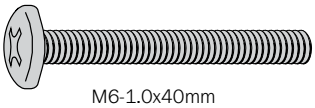
Secure the appropriate Perforated or Solid Side Panels to both sides of the Power Beam, making sure to locate the cutouts in front of the power duplexes. These panels will secure to the pre-installed magnets on the power beam.



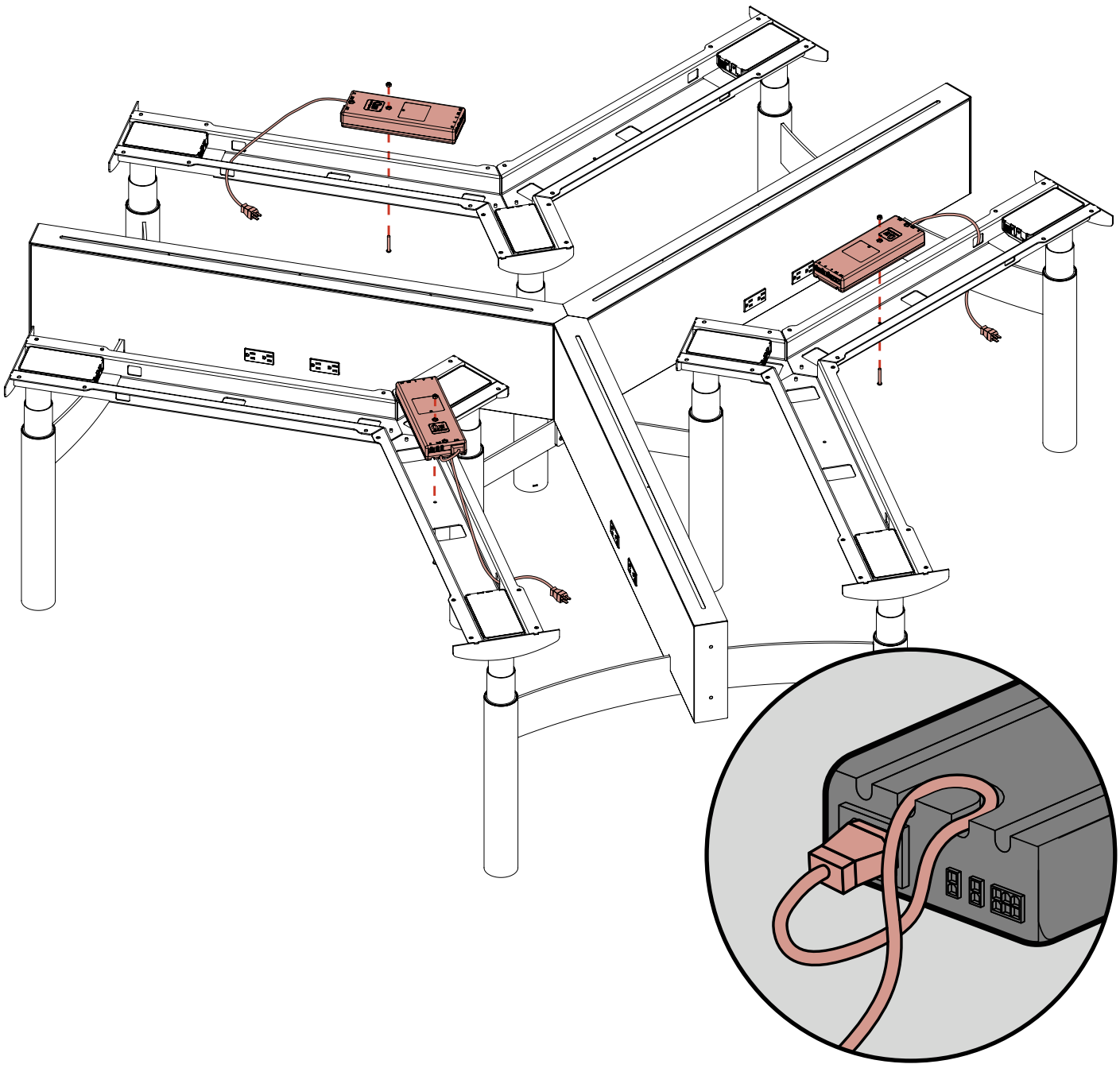
14. Control Box Assembly and Wiring.

Plug the power cable into the control box, and route power cord through the strain relief channel on the underside of the control box. Place the assembly on the right Support rail near the open end, and route the power cable through the right rear cutout in the support rail, as shown. Then secure control box in place with M6 Nylock nut and M6x40mm button head screw. Connect the Lifting Columns directly to the Control Box with the appropriately lengthed Motor Cables. Route the end of the Switch's cable through the front right cutout in the support rail, and plug it into the control box. Plug the Anti-Collision Dongle into the control box.

M-6-1.0
Nylock Nut, Zinc
(888152)



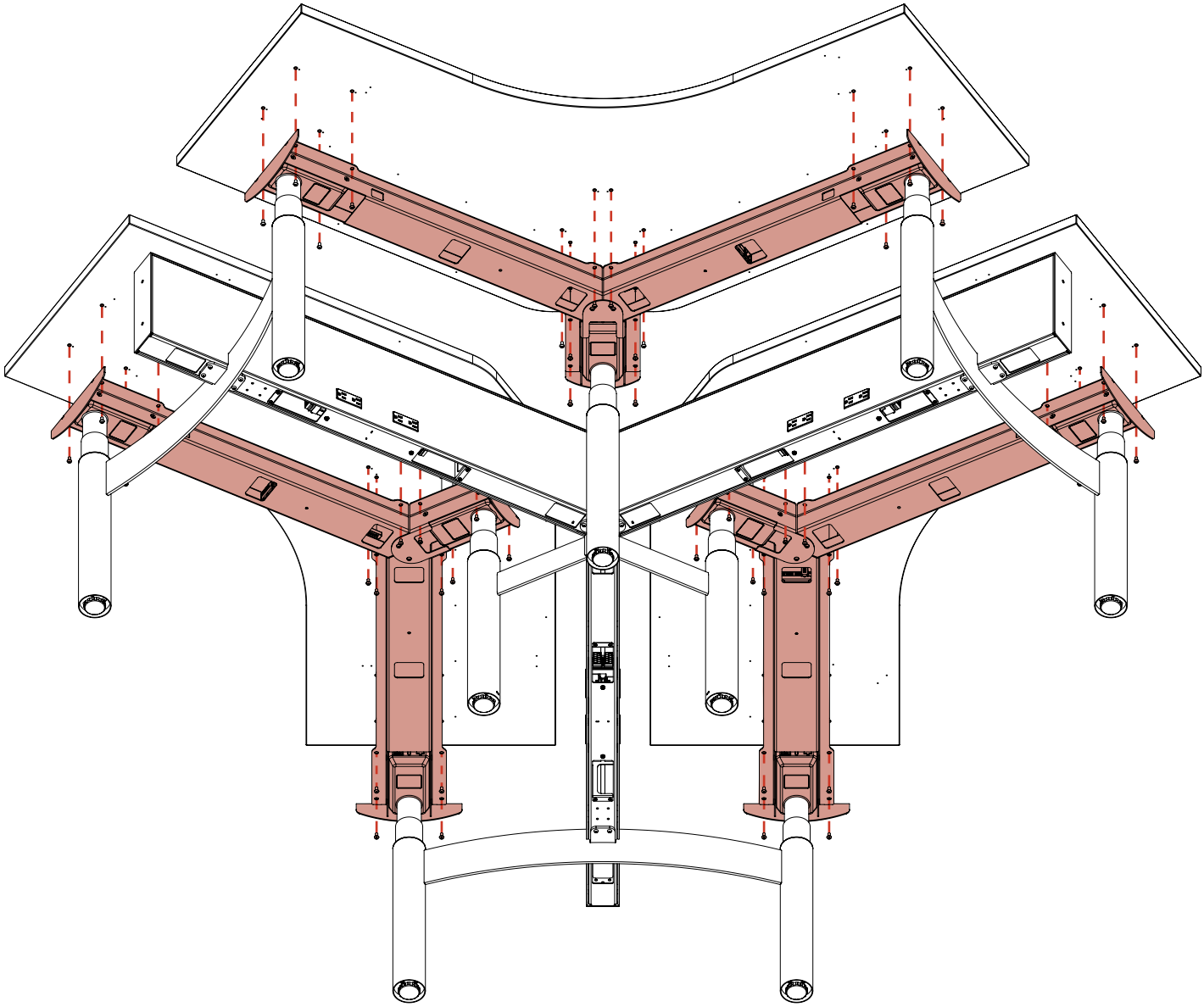
M6-1.0x40mm
Button Head Screw, Zinc
(125293)



15. Secure Worksurface

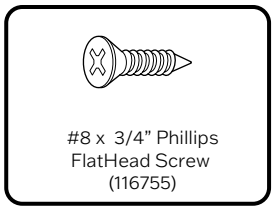
Place the worksurfaces on top of the support rails. Align the mounting locations in the Support Rails with the Brass Inserts in the underside of the worksurface. Secure each worksurface to the Support Rail using eight (16) M6x12mm Button Head Screws

M6x12mm Button Head Screw (125290)

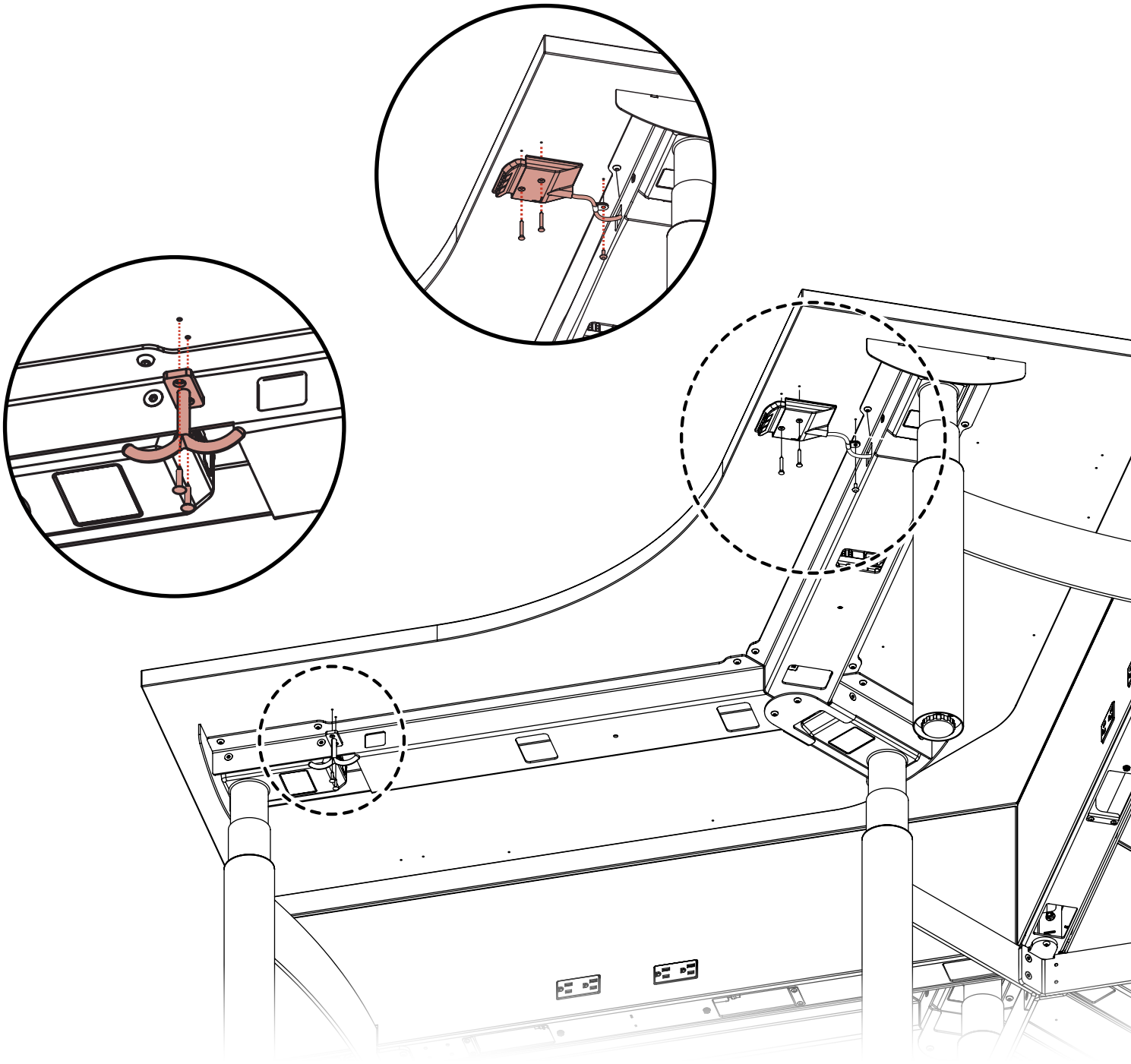


16. Secure Switch and Coat Hook.

Align each Paddle Switch with pilot holes. Secure each Paddle Switch using two (2) #8 x 3/4" Phillips Flat Head Screws per Switch. Align Coat hook with pilot holes. Secure each Coat hook using two (2) #8 x 3/4" Phillips Flat Head Screws per Hook. Secure cable clips to undersurface using a #8 X 1/2 screw.

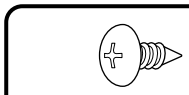


#8 x 3/4" Phillips FlatHead Screw (116755)

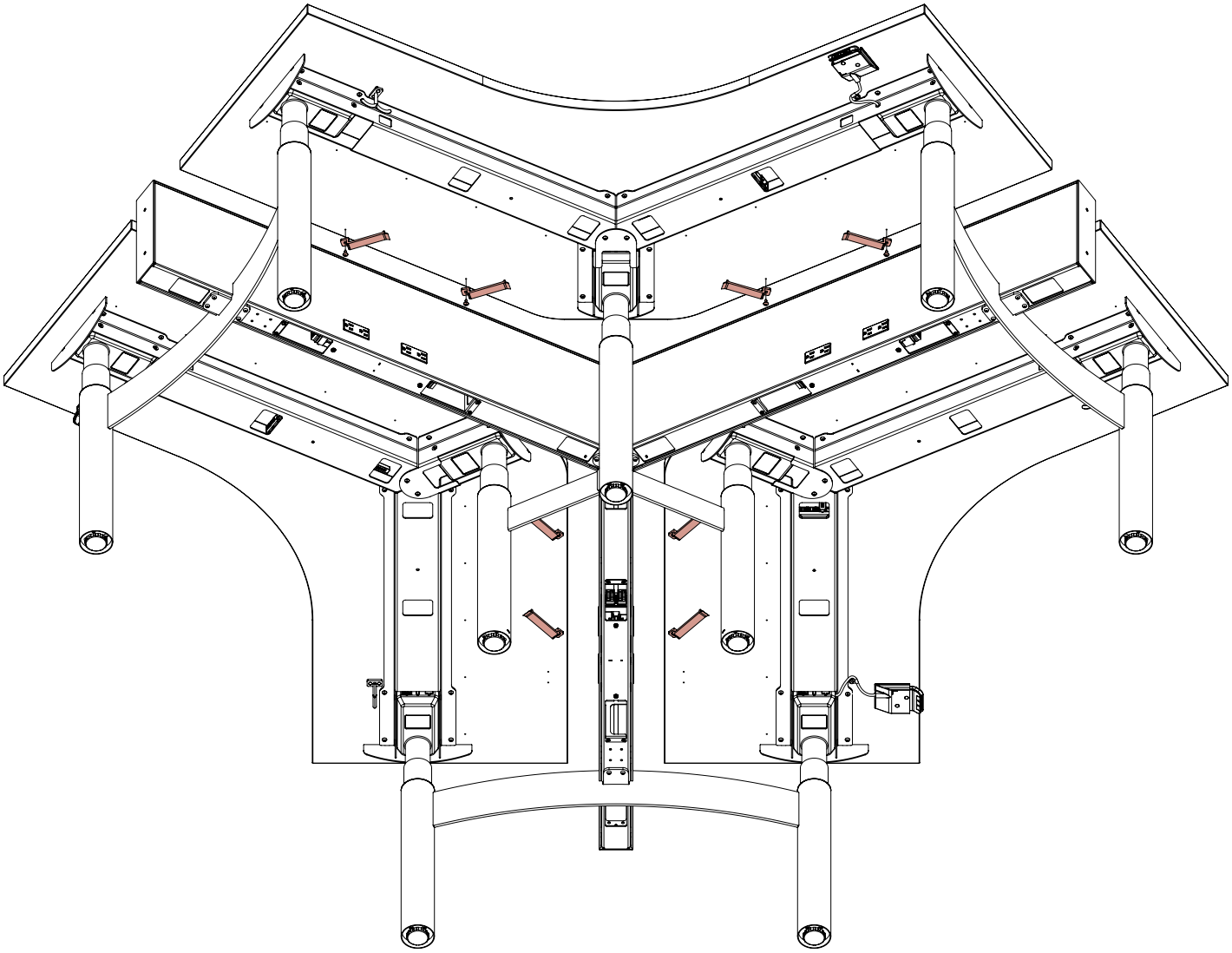


17. Attach Cable Management.

Align each Wire Manager Clip with each pilot hole. Secure each Wire Manager Clip using one (1) #10 x 5/8" Truss Head Screw.

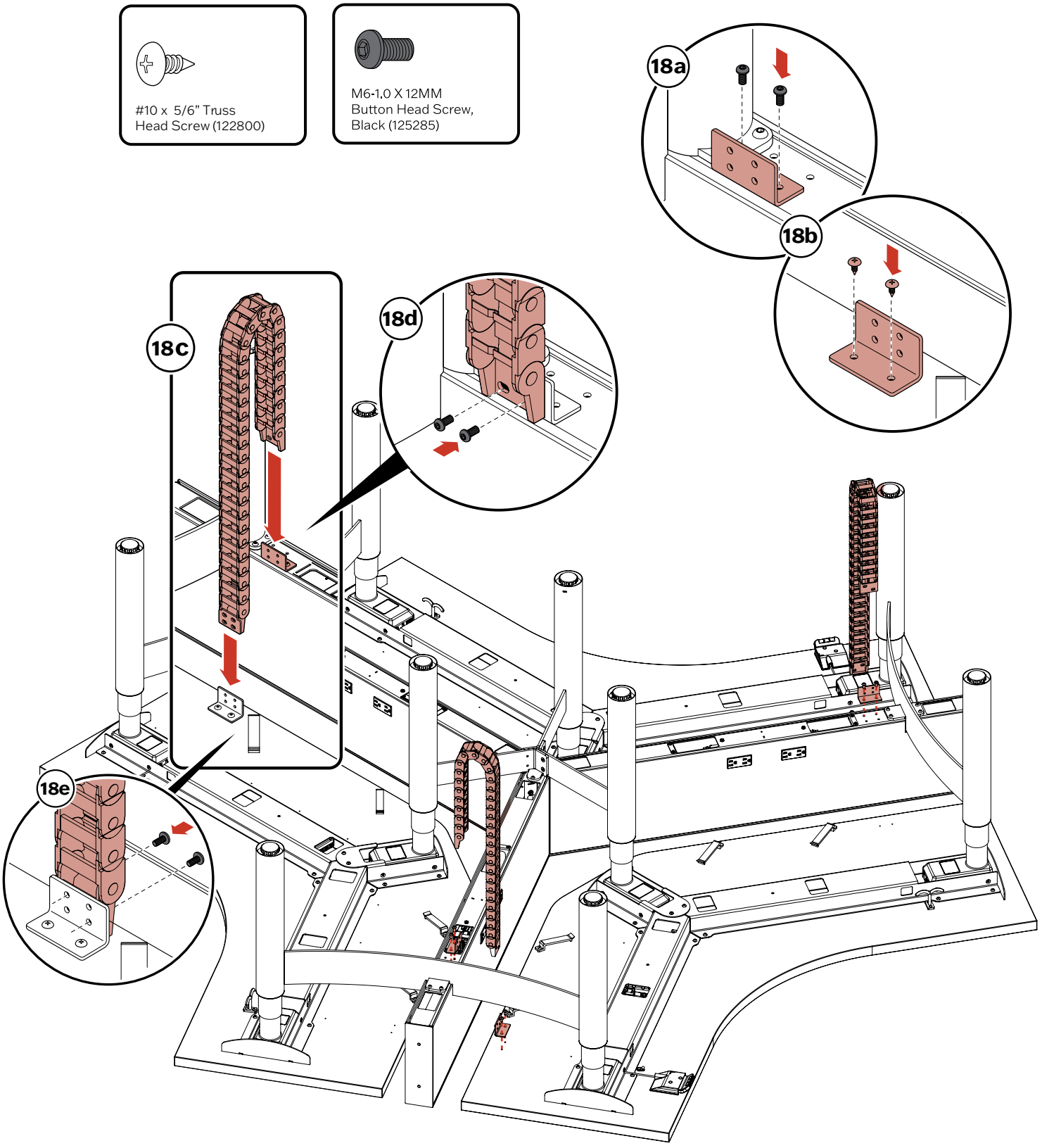


#10 x 5/8" Truss Head Screw (122800)



18. Secure Energy Chain.

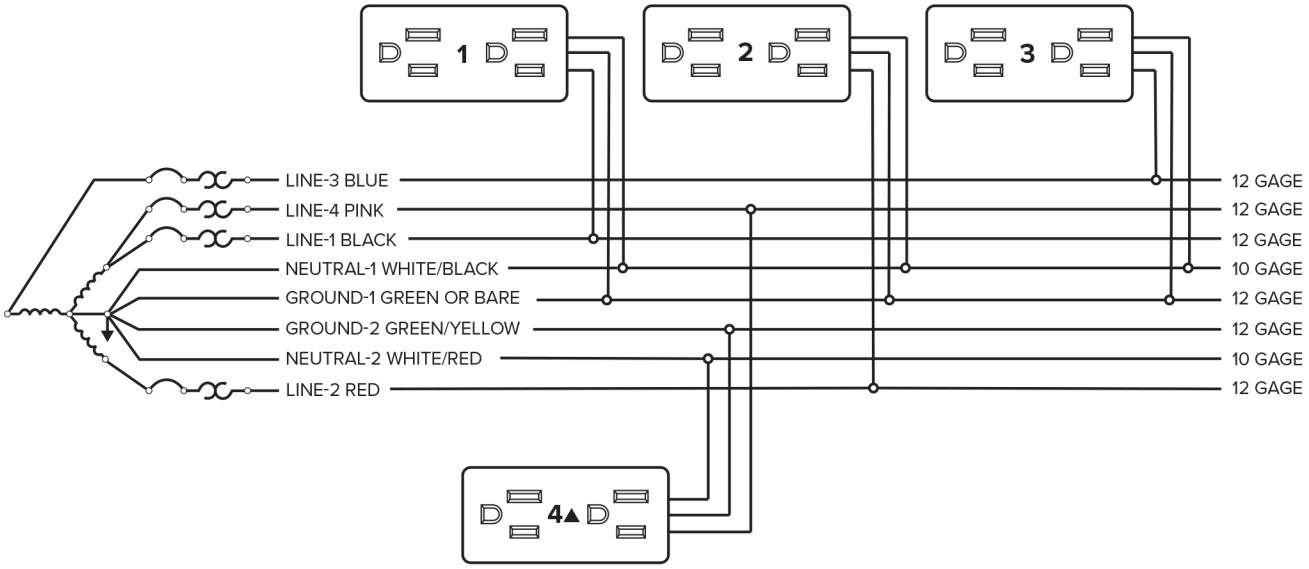
If the workbench is height adjustable, secure each Energy Chain Bracket to both ends of the Energy Chain. Secure one bracket to the pilot holes in the worksurface using two (2) #10 x 5/6" Truss Head Screws and the other to the underside of the power beam with two (2) M6-1.0 X 12MM Button Head Screws. Lower Energy Chain onto Energy Chain Brackets. Secure each Energy Chain Bracket to each end of the Energy Chain using two (2) M6-1.0 X 12MM Button Head Screws per Energy Chain Bracket



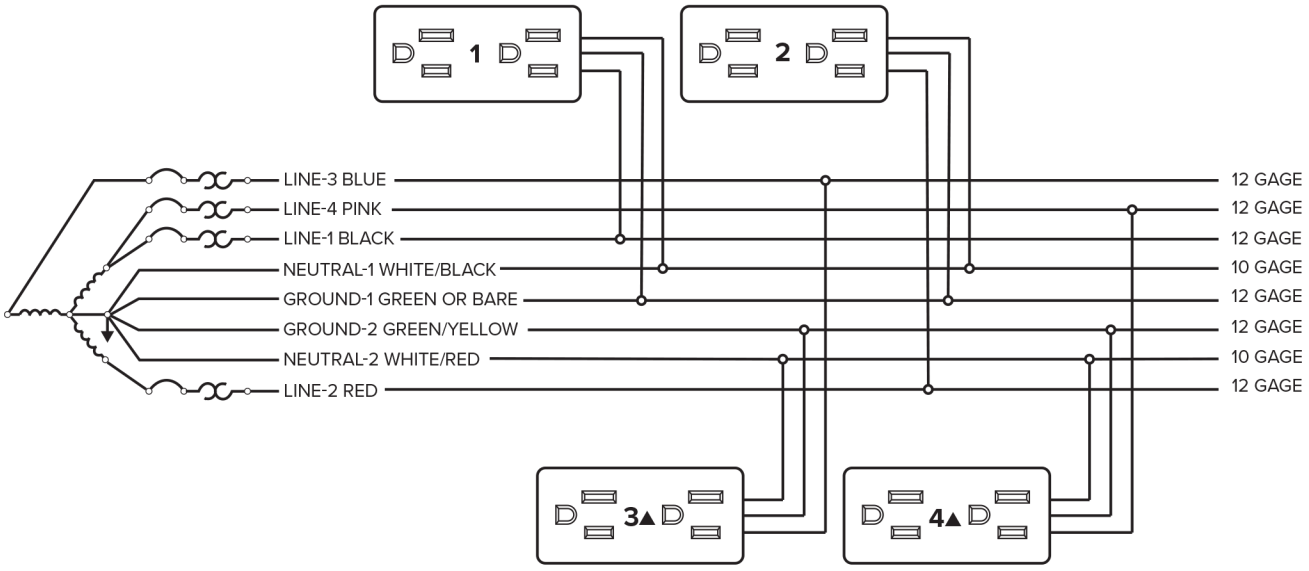
WIRING SCHEMATIC

120 / 208V 3 ph
MAX 20AMPS PER CIRCUIT
MAXIMUM SEGMENTS CONNECTED:
12 STANDARD POWER
6 HEAVY POWER

FOR 3+1 USE CIRCUITS 1, 2, 3, 4▲ ONLY



FOR 2+2 USE CIRCUITS 1, 2, 3▲, 4▲ ONLY



WARNING: RISK OF FIRE OR ELECTRIC SHOCK. THIS OFFICE FURNISHING SYSTEM MAY BE CONNECTED TO MORE THAN ONE SOURCE OF SUPPLY. ALL SOURCES MUST BE DISCONNECTED PRIOR TO ANY SERVICING. NO SINGLE CIRCUIT MAY BE POWERED BY MORE THAN ONE SOURCE.