

Tonic Bench Table Assembly Instructions

Tools Required

Rubber mallet, Level, 3/8" Ratchet with 5/32" – 3/8" drive hex bit socket (optional), Cordless drill, 5/32" driver bit, Magnetic insert-bit holder, 3/16" T -handle end hex key for leveling legs, #2 Insert or Pozidriv bit, 7/16" open end wrench

Important: For leveling purposes, start assembly at high point on floor. Level each starter or extension as it is built or added to the configuration. Hand start all screws to prevent cross threading.

ITEM NO.	COMPONENT	QTY
A	VERTICAL LEG SUPPORT ASSEMBLY (min 2 each to support a dual-sided table)	VARIES
B	END COVER, MAIN SUPPORT BRACKET	2
C	DESK SUPPORT BRACKET (min 2 per Leg Support Assy, and 4 per mid-run Leg Supports)	VARIES
D	DESKTOP CENTER SUPPORT RAIL – 2 per table segment	VARIES
E	BEAM SUPPORT – 2 per table segment	VARIES
F	PRIMARY DESK SURFACE – 2 per table segment	VARIES
G	SURFACE EXTENSION AND/OR END STORAGE	2
H	STARTER POWER RACEWAY FURNISHING	1
I	ADDER POWER RACEWAY FURNISHING	VARIES
J	ENDER POWER RACEWAY FURNISHING	VARIES
K	TITE JOINT – 1 per seam	VARIES
L	INFILL COMPONENTS	VARIES
M	SEAM PLATE – 1 per seam	VARIES
N	BEAM SUPPORT CAPS	4
O	1/4" -20 BHCS SCREWS	VARIES
P	FLOOR ANCHOR BRACKET AND FASTENERS	2
Q	#10 X 1" SMS SCREW, TRUSS HEAD	VARIES
R	#8 X 3/4" SCREWS AND INFILL ATTACHMENT CLIPS	VARIES
S	CABLE SLAT	VARIES
T	VERTICAL WIRE MANAGER	VARIES
U	END & BRIDGE TOP COVERS	VARIES

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WARNING - 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.

WARNING – Electrical connection between table segments shall be disconnected prior to removal of a mechanical connection.

WARNING - The system may be supplied by a three phase power system with four individual circuits rated at 20 amps/120 volts maximum, or as permitted by local code.

WARNING – No more than 12 duplex receptacles shall be supplied by one circuit.

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

Getting Started

Identify any spacial constraints of the installation space before beginning assembly. Tables should not be positioned in a way that will compromise an emergency escape route or the overall function of a workspace. Powered tables must be oriented in a manner that permits the connection of the power feed to the source.

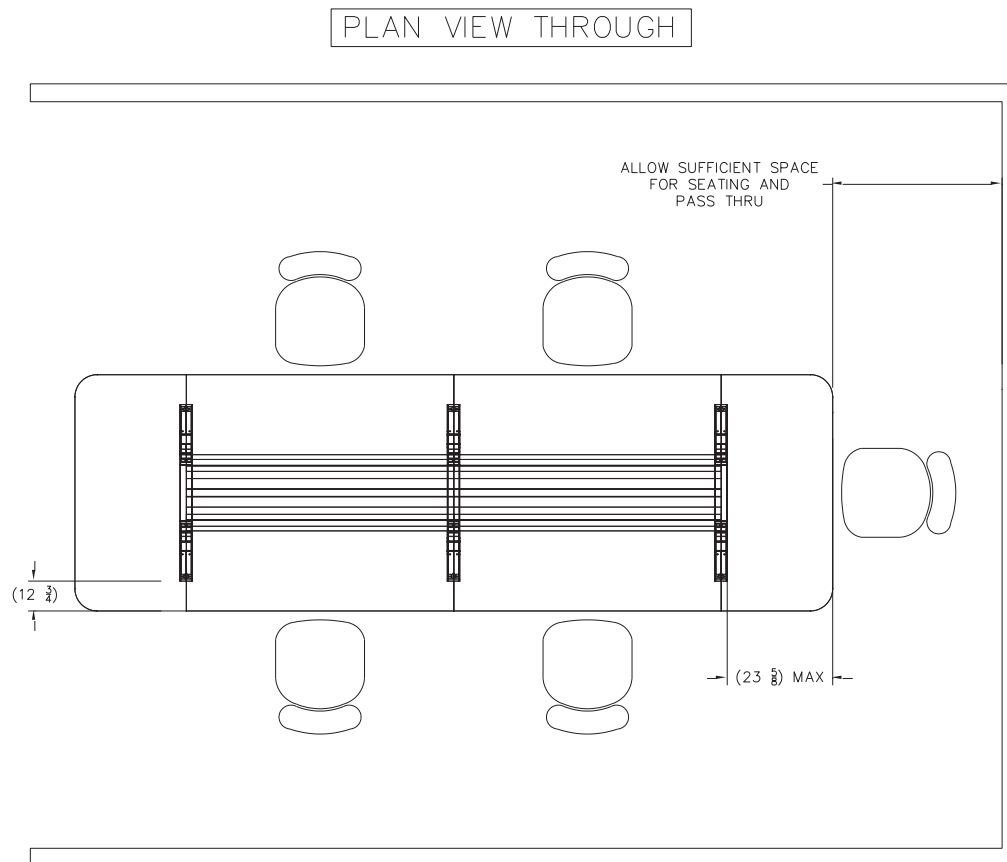


Figure 0

Tonic Bench Table Assembly Instructions

Step 1 - Leg Assembly

Fasten two Desk Support Brackets to one side of beginning and ending Legs with supplied $\frac{1}{4}$ " -20 bolts. Fasten Support Brackets onto both sides of the remaining mid-run legs

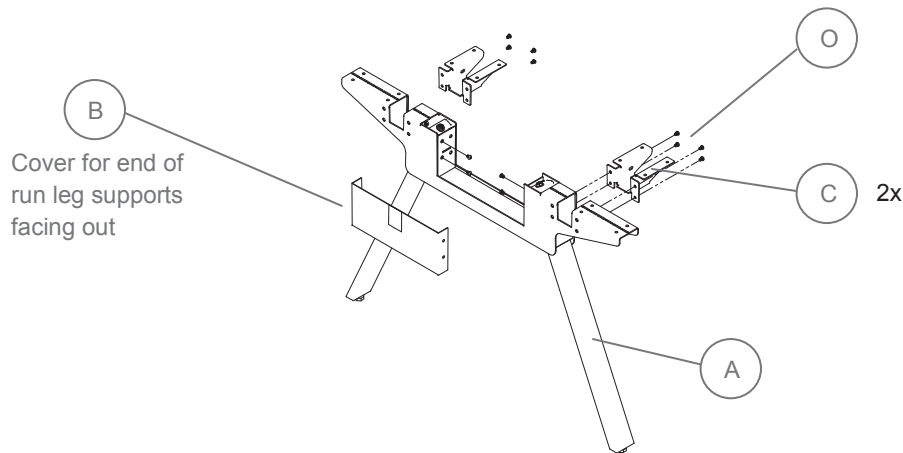


Figure 1

Step 2 - Desktop Support Rails

Start the assembly at the highest point of the intended installation space. Orient Leg Assemblies upright and loosely attach Desktop Center Support Rails with $\frac{1}{4}$ "-20 bolts (4 per rail).

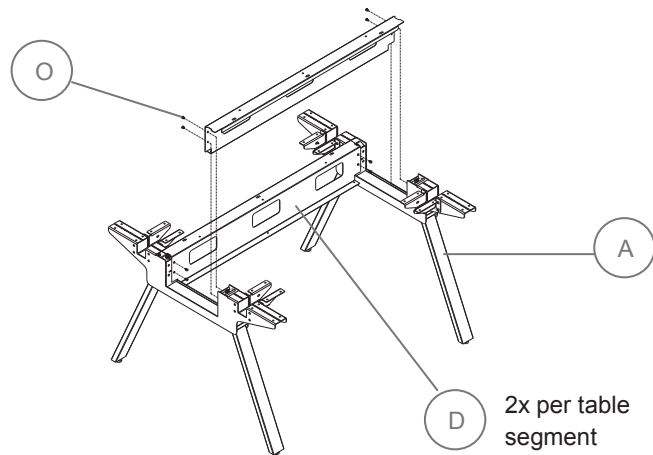


Figure 2

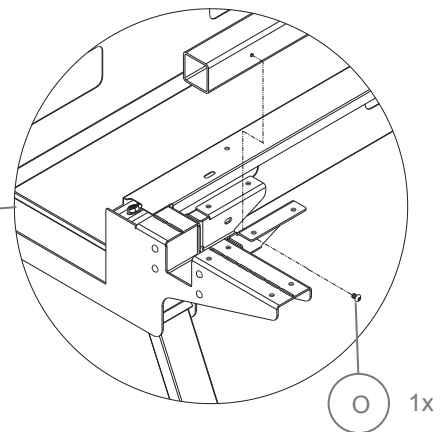
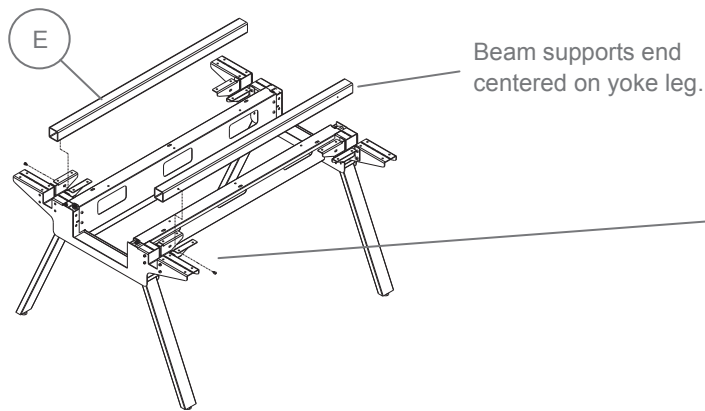
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Step 2.1 - Additional Desktop Support Rails

When assembling 2 or 3 runs of tables position the remaining Leg Assemblies and attach the additional Desktop Center Support Rails.

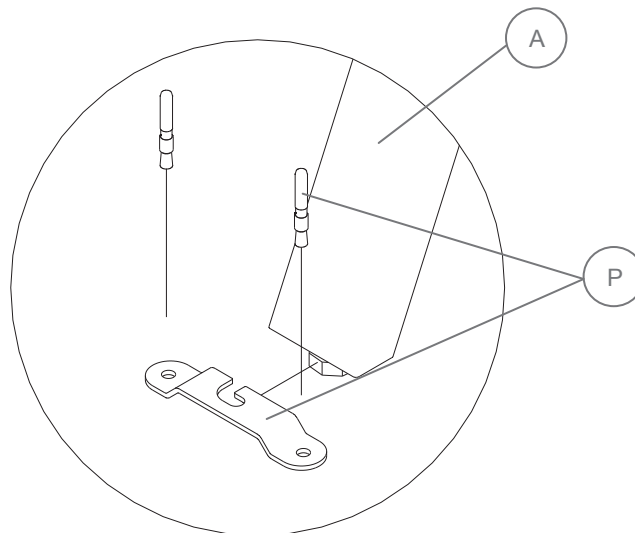
Step 3 - Desktop Support Beams

Place Desktop Support Beams into the Leg Assembly cradle and align using the Support Bracket mounting holes. Fasten Desktop Support Beams with $\frac{1}{4}$ "-20 bolts.



Step 4 - Attach Anchors (Hardwired Tables Only)

Remove one of the glide from the leg and replace thru the Floor Anchor Bracket on two Leg Assemblies. Mark and drill $\frac{1}{4}$ " dia holes and fasten to the floor with provided fasteners.



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Step 5 - Leveling the Table

Tip: Leg Assemblies are shipped at the lowest possible position. Initial leveling is accomplished by raising one side. Tonic tables are leveled by turning the height adjustment screw found on the upper area of the Leg Assembly with a 3/16" hex key. Each Leg Assembly has an adjustment for each leg. The leveling adjustment range is +2"/-0". Turn the screw counterclockwise to go up and clockwise to go down. Proper leveling is important to ensure top surfaces align to each other.

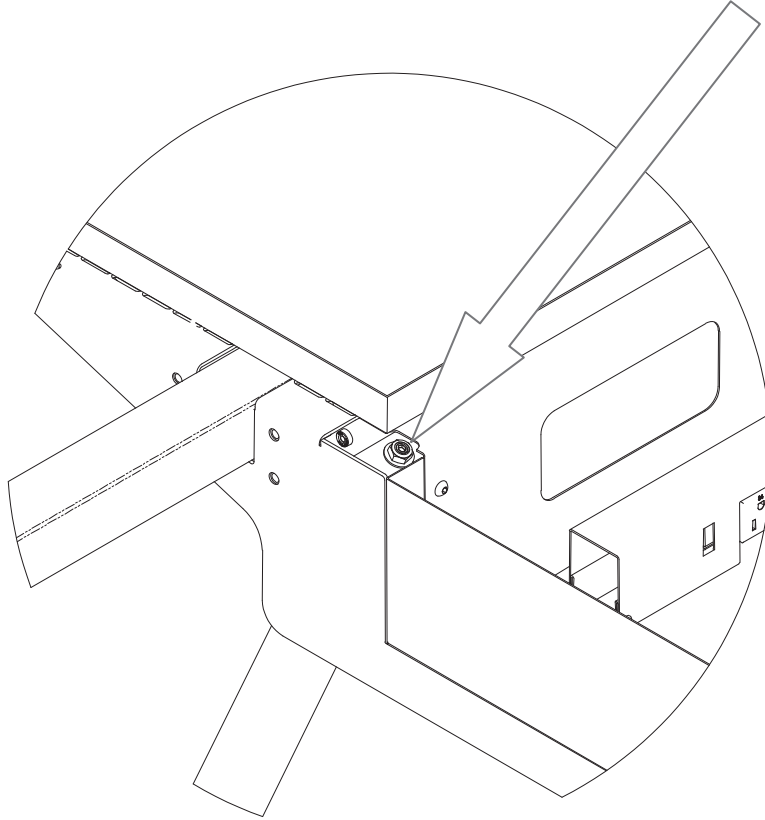


Figure 5

1. Level each table segment individually.
2. Raise or lower subsequent legs to level with the beginning leg height, adjust each leg accordingly.
3. Tighten all bolted connections between the Leg Assemblies, Desktop Center Support Rails and Desktop Support Beams

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Step 6 - Add Surface Extension

1. Attach (2) Seam Plates to Surface Extension with 1" screws at piloted locations.
2. Fasten Surface Extension to the Leg Assembly.
3. Install Desktop Beam Support Caps.

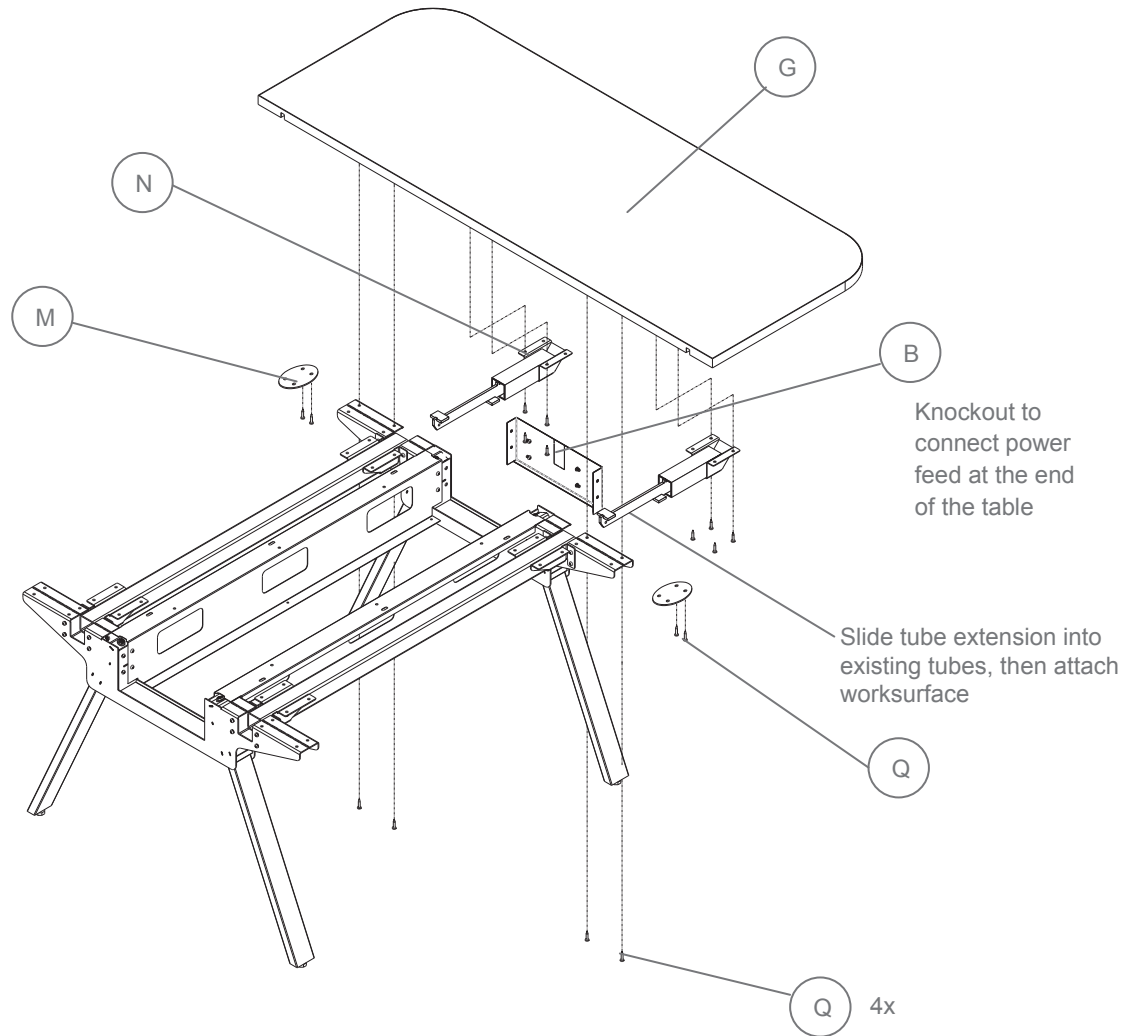


Figure 6

Tonic Bench Table Assembly Instructions

Step 6.1 Secure Desksurfaces and Alignment

Tip: Do not install ending Surface Extension until all Power Raceway Furnishings are in place & mechanically connected.

1. Attach two Desksurfaces of the next table segment to an adjacent Desksurface or Surface Extension using Tite Joints (see figure 6.2).

Tip: Complete the next step by starting at the beginning table segment and moving on to subsequent segments. Proper alignment can only be accomplished when 1/4" -20 bolts loosely attach a Desksurface to a Desktop Center Support Rail.

2. Align Desksurfaces from the beginning Surface Extension.

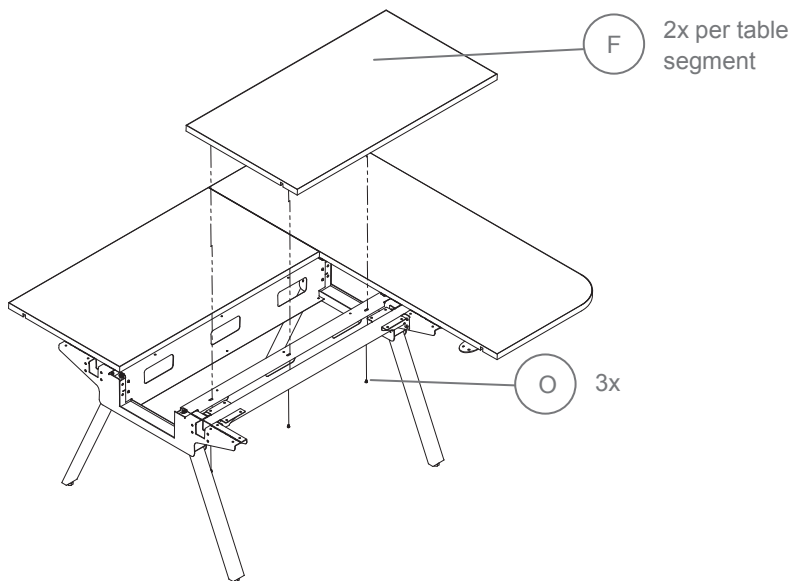


Figure 6.1a

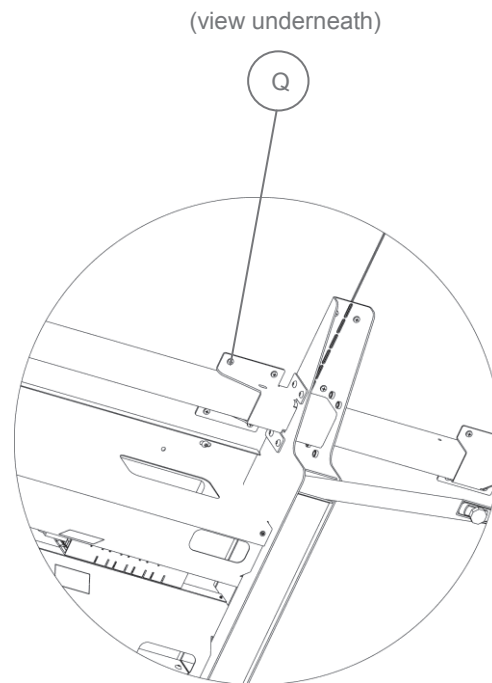


Figure 6.1b

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3. Repeat and attach next pair of desksurfaces, if necessary (see figure 6.1c).
4. Use 1" screws to secure the desksurfaces to Support Brackets and Leg Main Support Brackets. Check and re-level each table segment as necessary. Tighten ¼" -20 bolts.

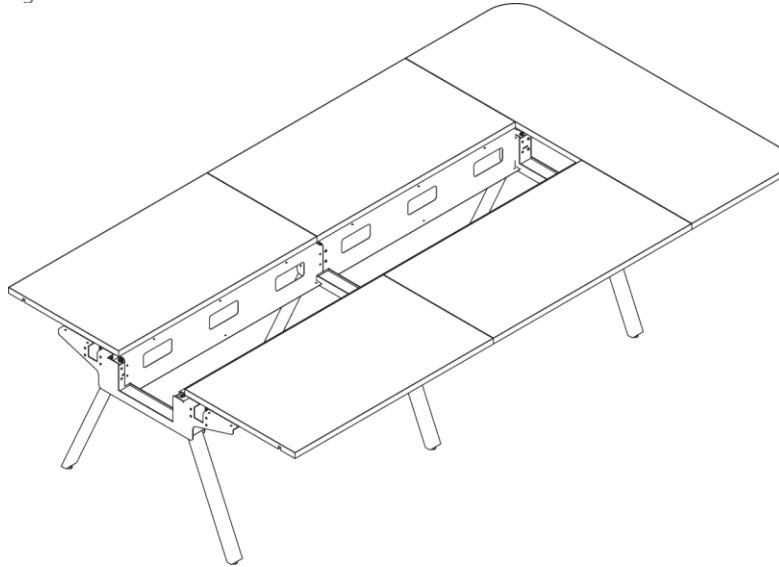


Figure 6.1c

Step 6.2 – Secure Seam Plates

1. Tighten Tite Joints with 7/16" wrench. Completely secure Seam Plates in between Desksurfaces w/ the remaining 1" screws.

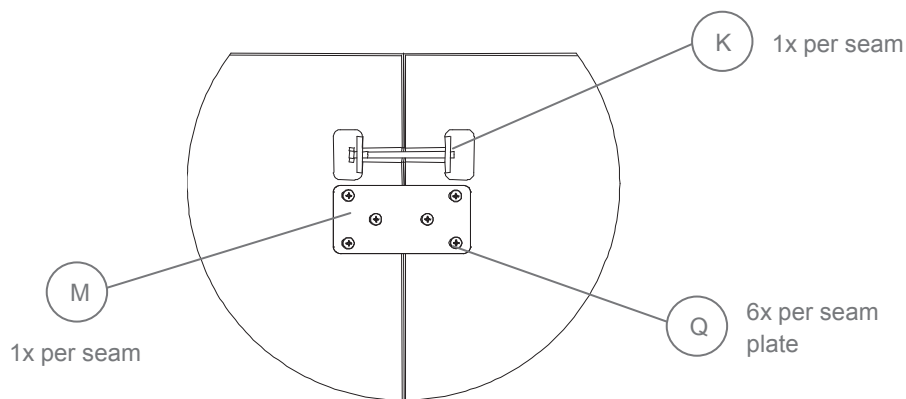


Figure 6.2

Tonic Bench Table Assembly Instructions

Step 7 - Drop in Power Raceway

WARNING - All bolted connections must be securely fastened to insure that furnishings are mechanically interconnected before Raceway installation.

Tip: Adder and Ender Power Raceway Furnishings have one electrical jumper which must connect to previous Power Raceway Furnishing. As a result, Adder Power and Ender Power Raceway Furnishings must be oriented correctly in order to connect to the adjacent Power Raceway Furnishing. Exception: Tables with one raceway do not have a connecting jumper.

1. Typically, the Starter Power Raceway Furnishing has a Power Feed that connects to the source. Place the Starter Power Raceway Furnishing into the Tonic center channel of the intended table segment. Place additional Power Raceway Furnishing following the Starter Raceway until all are assembled.
2. Insert Jumper Cables on top of the Leg Assembly bridge. Create electrical connection between Power Raceways by connecting the Jumper Cable to the end power block. Check each connection by slowly pulling on each cable after making a connection. Connect the connector end of the power basefeed on open end of the power module prior to replacing the cover (U). See figure 7.3.

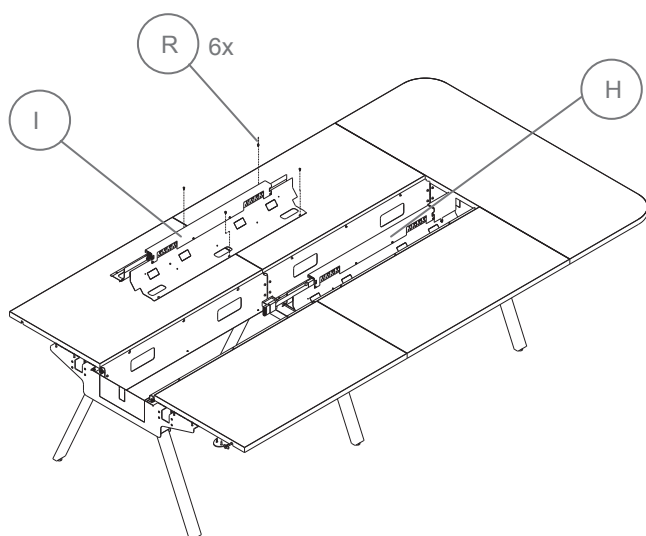


Figure 7.1

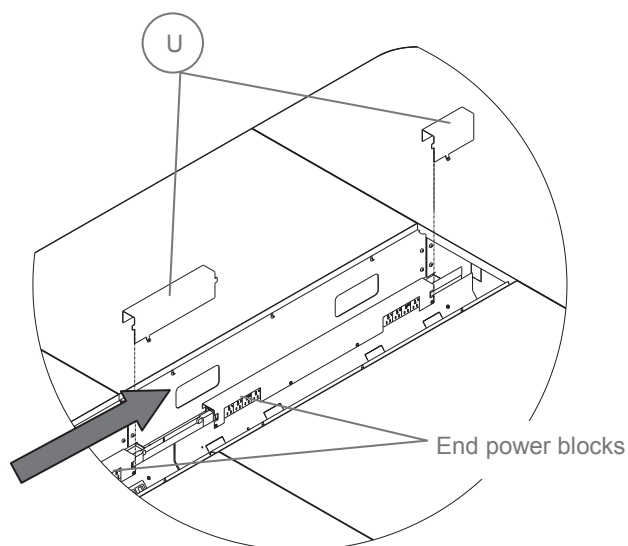


Figure 7.2

Power block provides back-to-back power, typically 4 outlets per side.

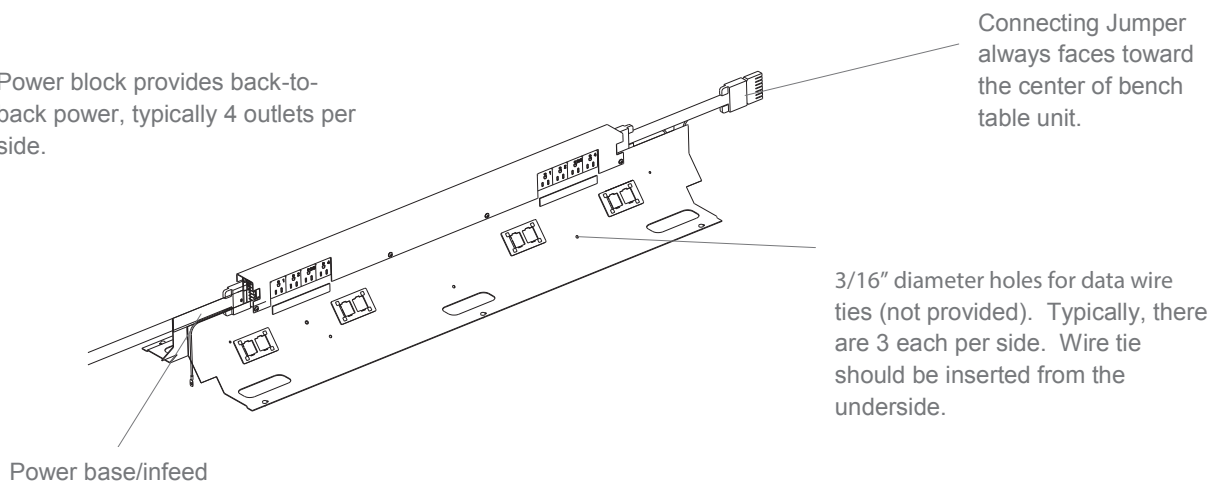
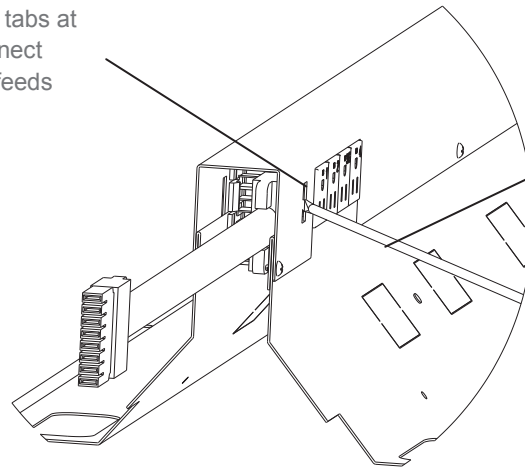


Figure 7.3

Tonic Bench Table Assembly Instructions

Connector release tabs at the ends to disconnect jumpers or power feeds



Insert flat tip screwdriver tool to release jumper connector

Figure 7.4

3. Secure Power Raceways to the Desktop Support Rail with 8-32 machine screws (see figure 7.1).
4. When applicable, enclose Single Circuit Corded Power Feed Cable with Vertical Wire Manager (figure 9.1)

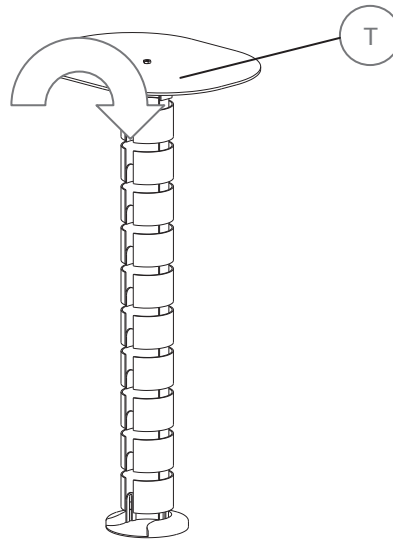


Figure 7.5

Step 8 - Add Ending Surface Extension (Repeat of Step 6)

1. Attach Seam Plates to Ending Surface Extension with 1" screws.
2. Install Tite Joints on each side.
3. Fasten Surface Extension to the Leg Assembly using 4 - 1" screws.
4. Install Desktop Support Beam Caps.

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Step 9 - Add Infill components

Tip: Turn over the infill panel and drive supplied clips on all predefined pilot holes with #8 x ¾" screws as shown below. DO NOT USE THE 1" LONG SCREWS THAT ARE USED TO SECURE THE PRIMARY DESKSURFACES. Orient Infill components above Power Raceways in positions that allow users access to desired outlets on a power. The clips go into through slots on the Desktop Center Support Rails. Slightly turn all clips from underneath to secure Infill component in place. Use of the clips are optional, but is required when in use with monitor arm.

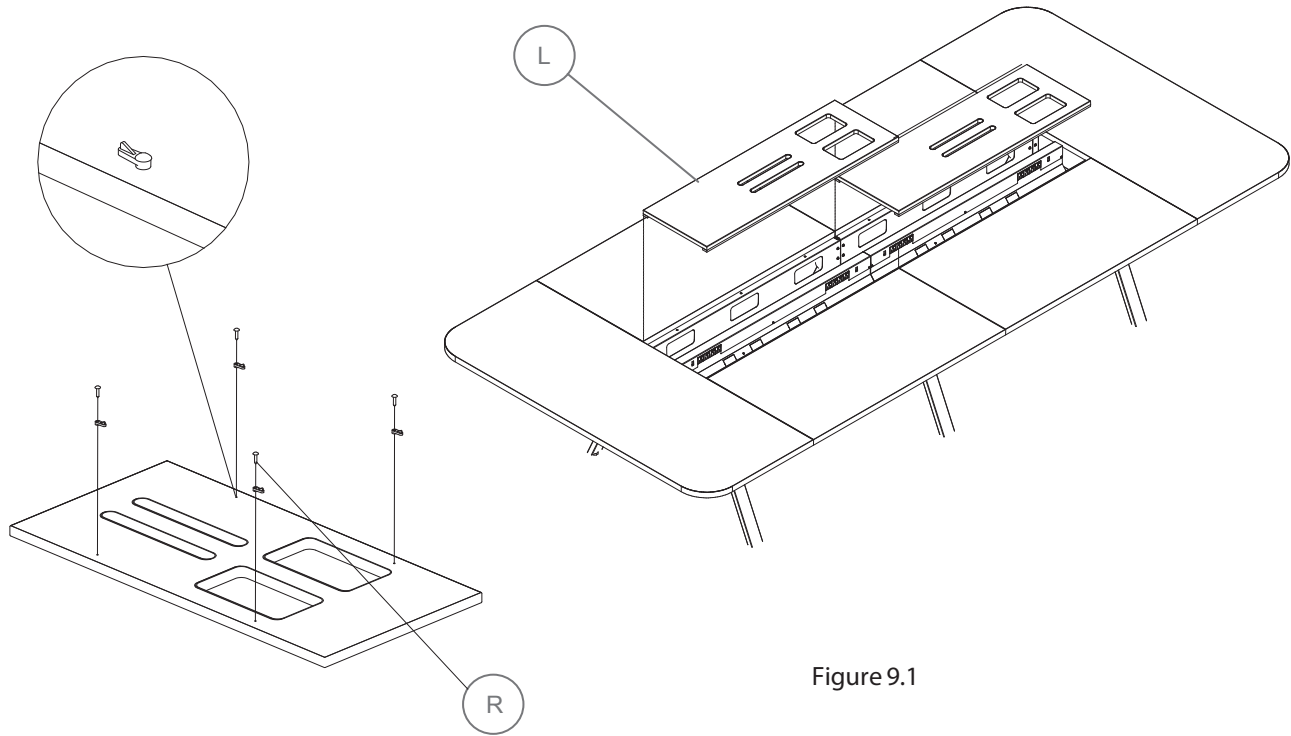


Figure 9.1

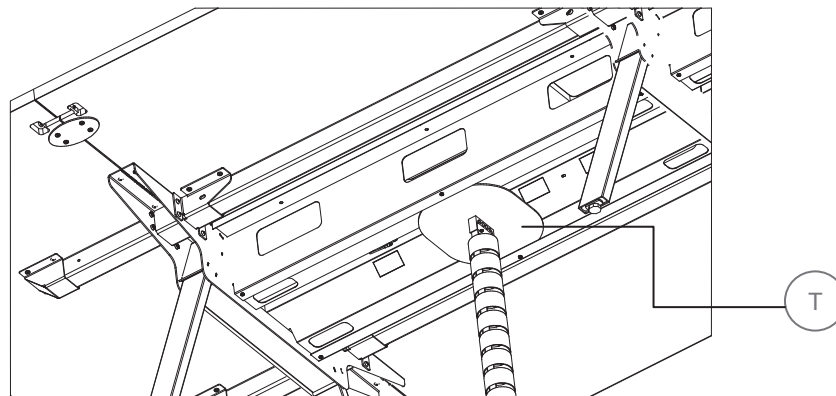


Figure 9.2

Tonic Bench Table Assembly Instructions

Cable Slat(s) goes underneath the Power Raceway Furnishing to keep data cables from falling off to the floor. To install, rotate in between Desktop Center Support Rails until it's the fit is snug & secure.

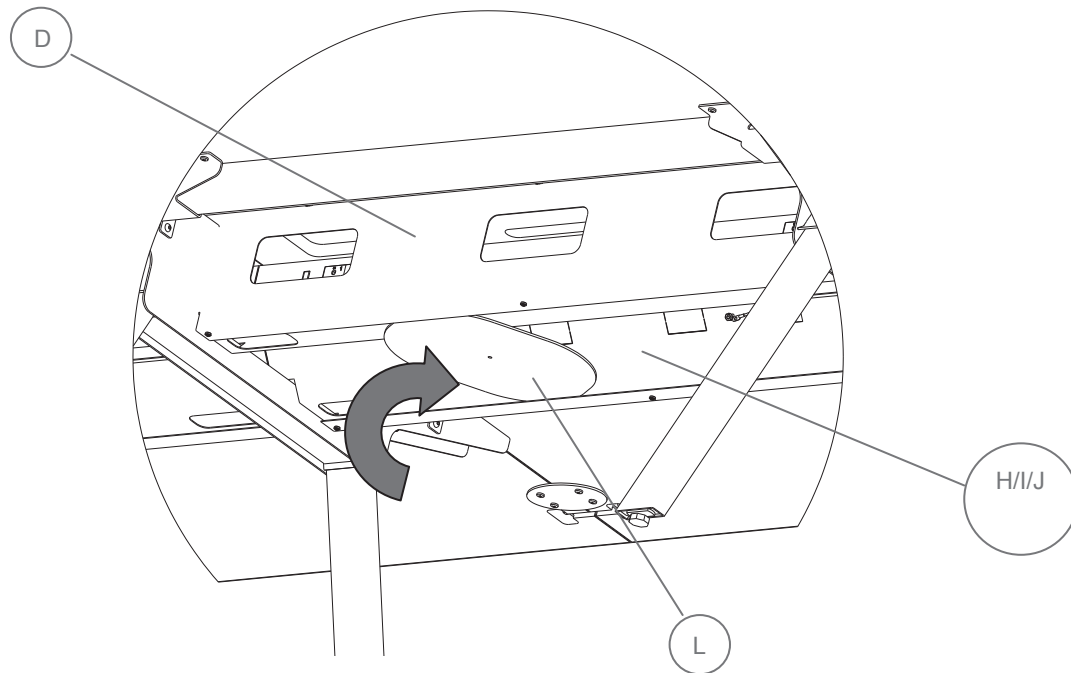


Figure 10

Data Face Plates

Push and twist to remove

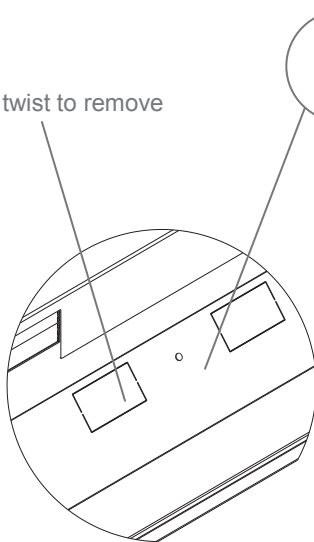


Figure 11.1

Optional Data Face Plate and Adapters

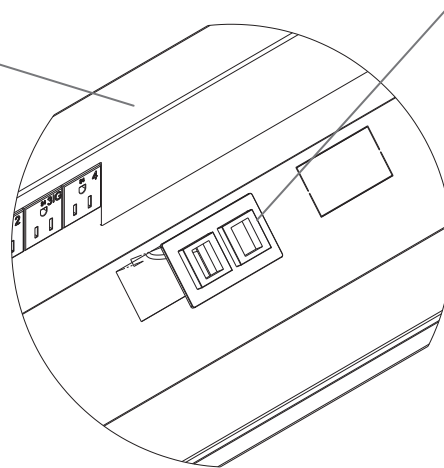


Figure 11.2

Operating, maintenance, and installation instructions are available at <https://watsonfg.box.com/installation>