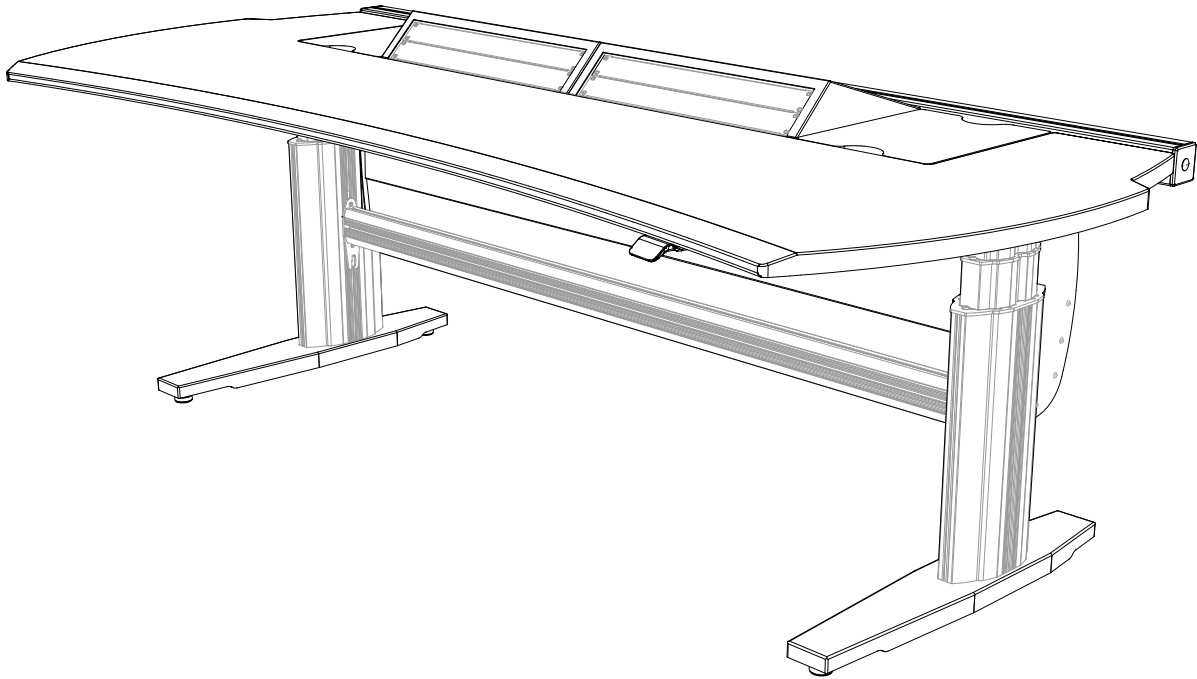


SmartTrac V3

ASSEMBLY INSTRUCTIONS



Contents:

BEFORE YOU BEGIN	PAGE 2
PARTS LIST	PAGE 3
HARDWARE LIST	PAGE 4
BASE ASSEMBLY	
FIXED	PAGE 5
CABINET	PAGE 6
ELECTRIC	PAGE 7
CORE	PAGE 8
REAR EXTRUSION / ST4 CORE / CPU CABINET	PAGE 10
COUNTERTOP ATTACHMENT	PAGE 11
WIRING DIAGRAM	PAGE 12
REAR ACCESS PANEL / FRONT DOOR / TURRET, INFILL & DROP WELL	PAGE 13
CABLE CHAIN ATTACHMENT	PAGE 14
INTERNAL DEVICE RACK / INITIALIZATION / COMMON ERROR CODES	PAGE 15



Read instructions prior to assembly. This console contains parts that can be damaged if assembled incorrectly or in the wrong sequence.

Verify that you have all the parts required to assemble the console. Due to the many configurations possible for the SmartTrac system, there may be extra hardware included. Exact hardware and parts required are listed on the same page as the step where they are needed.

Assistance is required during some parts of the assembly; look for this 'Helper' symbol: 

For the height adjustable (STE) version, look for electronic instructions symbol: 

Caution:

Do not stand or sit on console.

A level and sturdy foundation is required before console construction can begin.

Incorrect installation could void your warranty. Have peace of mind by contacting a TBC certified technician. To locate one close to you, email support@tbconsoles.com.

Desktop Care:

Clean the desktop by wiping it down with a microfiber cloth moistened with a standard household cleaning solution. Never use solvents or abrasive or corrosive compounds.

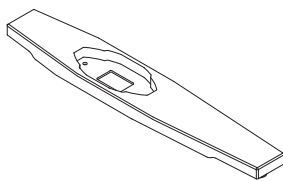
Do not stand or sit on console.

Reference our complete [Desktop Care Guide](#) online.

Needed for Installation:

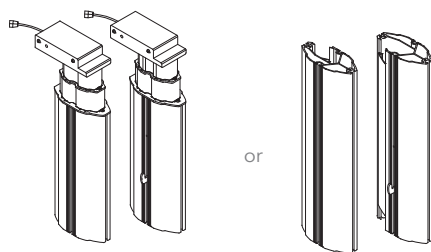
Tools Supplied		Tools Required for Installation		
	3/16" Hex Wrench			
	4mm Hex Wrench	Phillips Screwdriver	Level	Helper





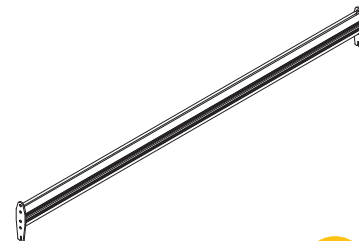
A

Foot - Qty (2)



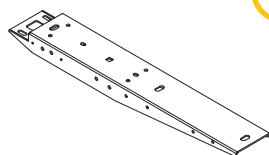
B & **C**

Legs - Qty (2) Left & Right



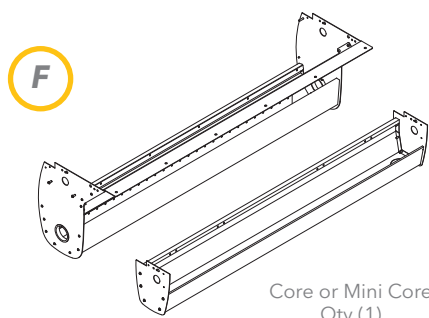
D

Crossbar - Qty (1)



E

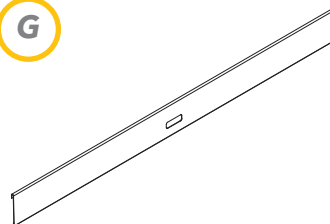
Countertop Support Arm - Qty (2)



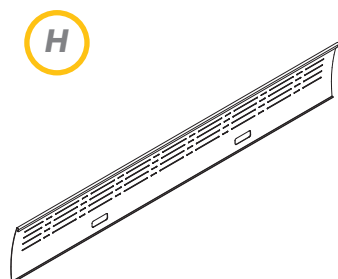
F

Core or Mini Core
Qty (1)

G

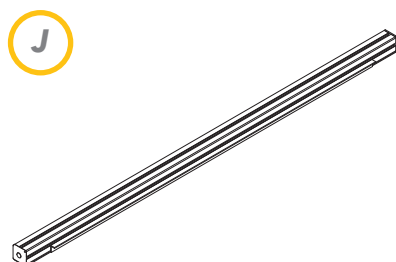


Front Door - Qty (1)



H

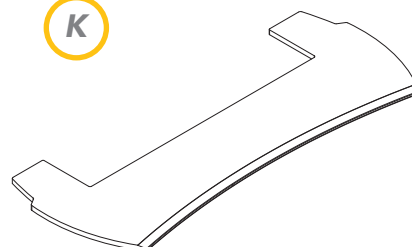
Optional Rear Door Qty (1)



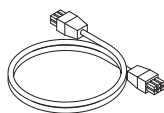
J

Rear Trac - Qty (1)

K

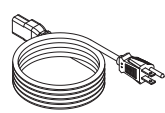


Countertop - Qty (1)



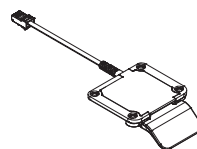
L

Extension Cable - Qty (2)



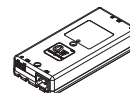
M

Power Cord - Qty (1)



N

Control Panel - Qty (1)

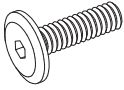


P

Control Box - Qty (1)

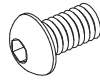


AA



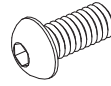
1/4-20 x 3/4" Low Profile Screw
2 Bay - Qty (8)
3 Bay - Qty (10)
4 Bay - Qty (12)

BB



5/16-18 x 5/8" Button Head Screw
Qty (8)

CC



5/16-18 x 3/4" Button Head Screw
Qty (8)
Fixed Height Only

DD



1/4-20 x 1/4" Button Head Screw
Qty (4)
Minicore Only

EE



1/4-20 x 3/8" Button Head Screw
Qty (4)

FF



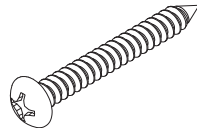
1/4-20 x 1/2" Button Head Screw
Qty (4)

GG



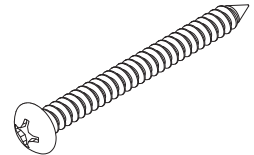
#8 x 5/8" Pan Head Screw
2 Bay - Qty (7)
3 Bay - Qty (9)
4 Bay - Qty (11)

HH



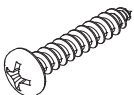
#10 x 1-3/4" Pan Head Screw
2 & 3 Bay - Qty (1)
4 Bay - Qty (2)

JJ



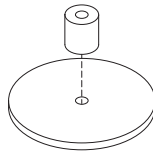
#10 x 2" Pan Head Screw
Qty (2)

KK



#8 x 3/4" Pan Head Screw
Height Adjustable Only
Qty (4)

LL



Wire Collector (2 pieces)
2 & 3 Bay - Qty (1)
4 Bay - Qty (2)

MM

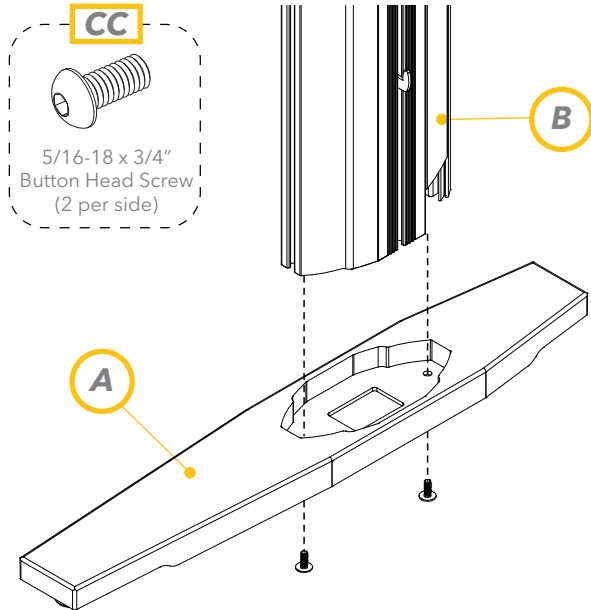


Plastic Cable Tie
2 Bay - Qty (7)
3 Bay - Qty (9)
4 Bay - Qty (11)



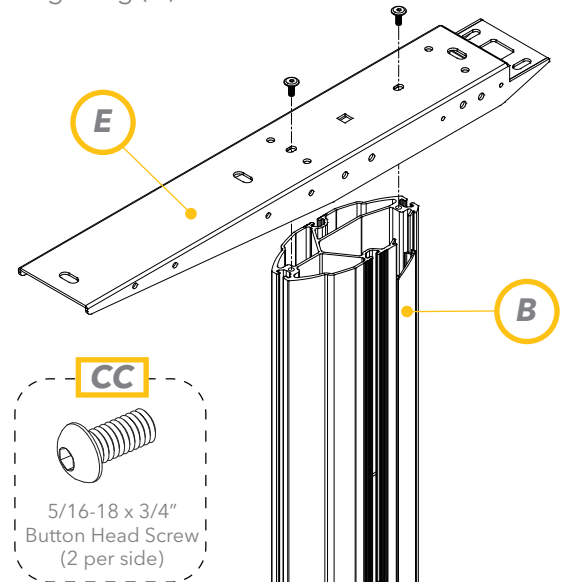
Step 1

Attach foot on to the left leg (B) using [CC] screws. Repeat this step for the right leg (C).



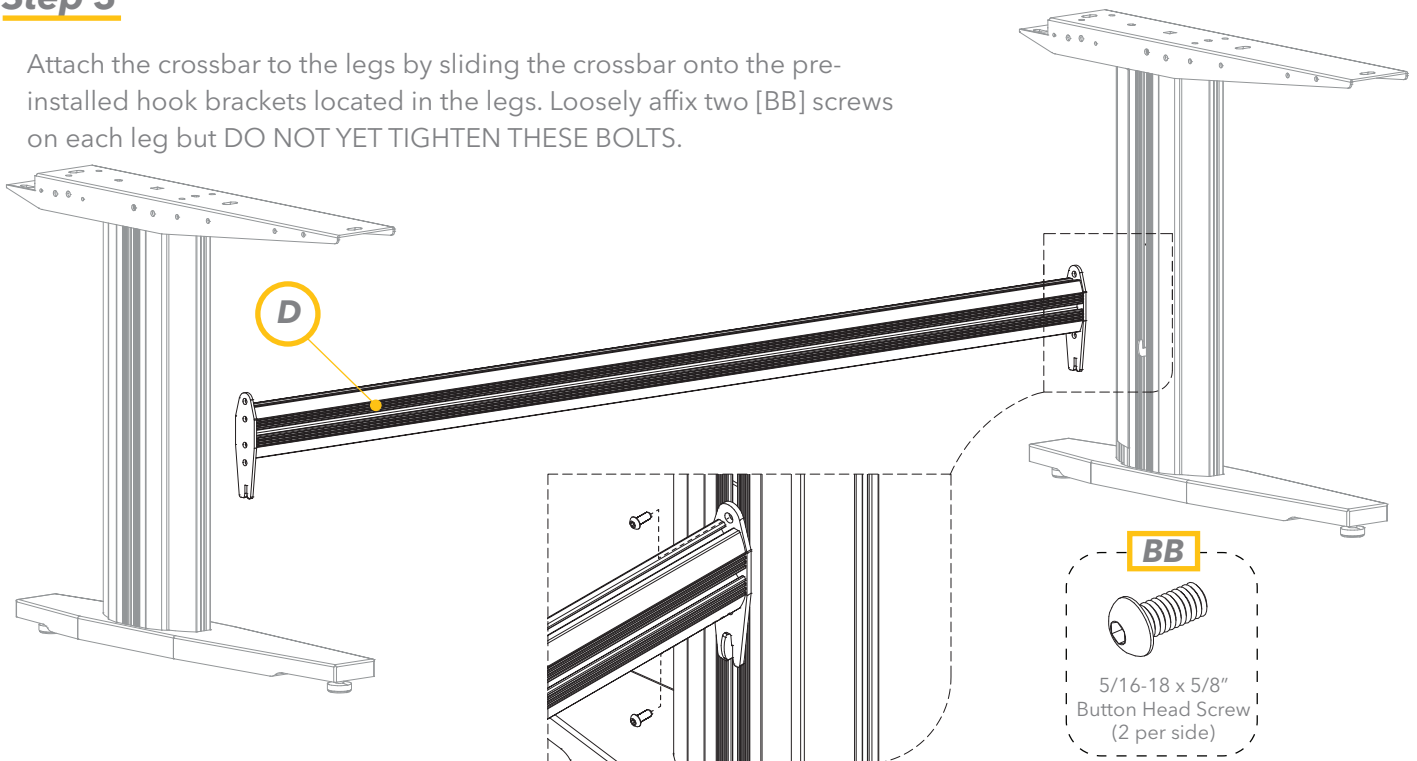
Step 2

Attach countertop support arm (E) on to the left leg (B) using two [CC] screws. Repeat this step for the right leg (C).



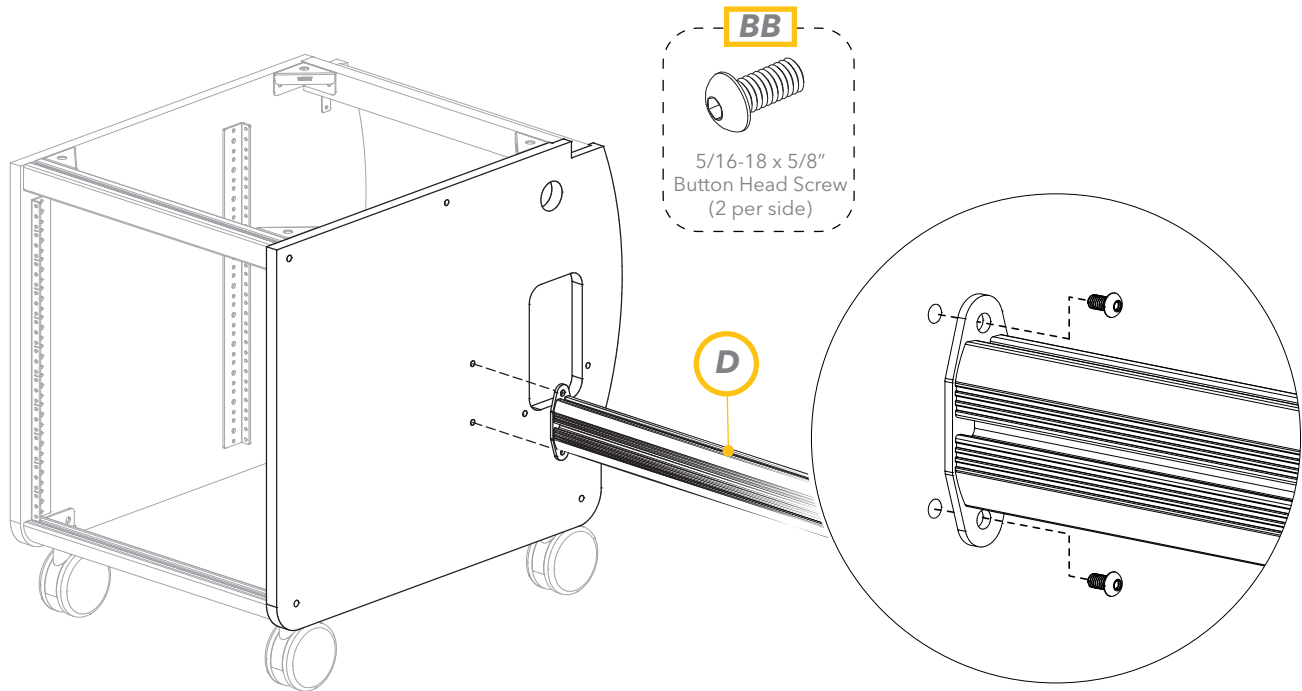
Step 3

Attach the crossbar to the legs by sliding the crossbar onto the pre-installed hook brackets located in the legs. Loosely affix two [BB] screws on each leg but DO NOT YET TIGHTEN THESE BOLTS.



Step 4

Align the crossbar plate with the threaded inserts in the base cabinet side panel and affix using 2 [BB] button head screws.



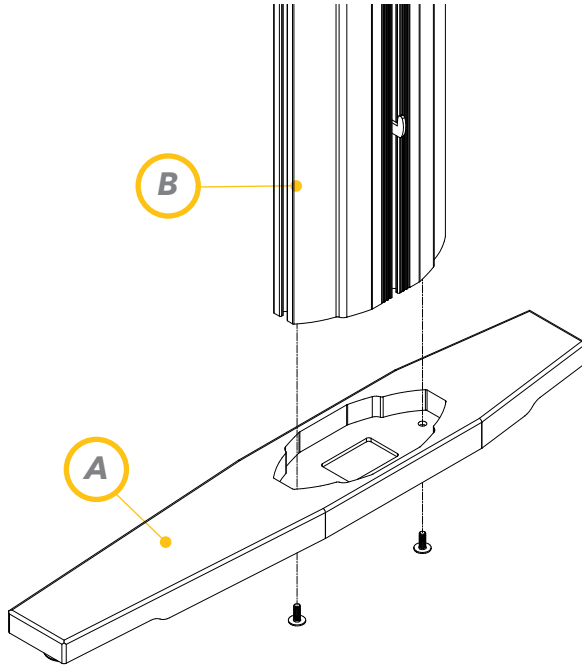
****NOTE: Base comes preassembled with casters or levelers.**





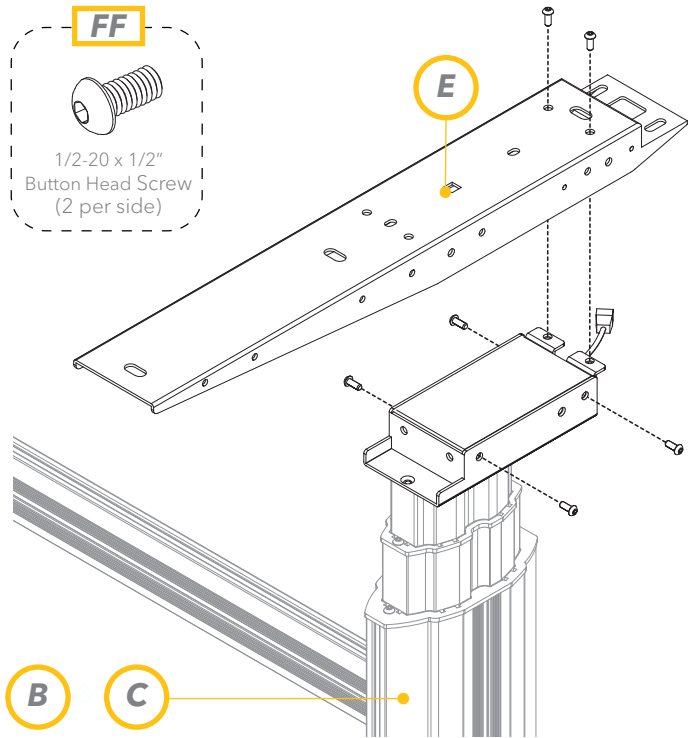
Step 1

Remove (2) pre-installed screws from bottom of both legs (B & C) and set aside. Attach foot (A) to left leg (B) using (2) previously removed screws. Repeat this step for right leg (C).



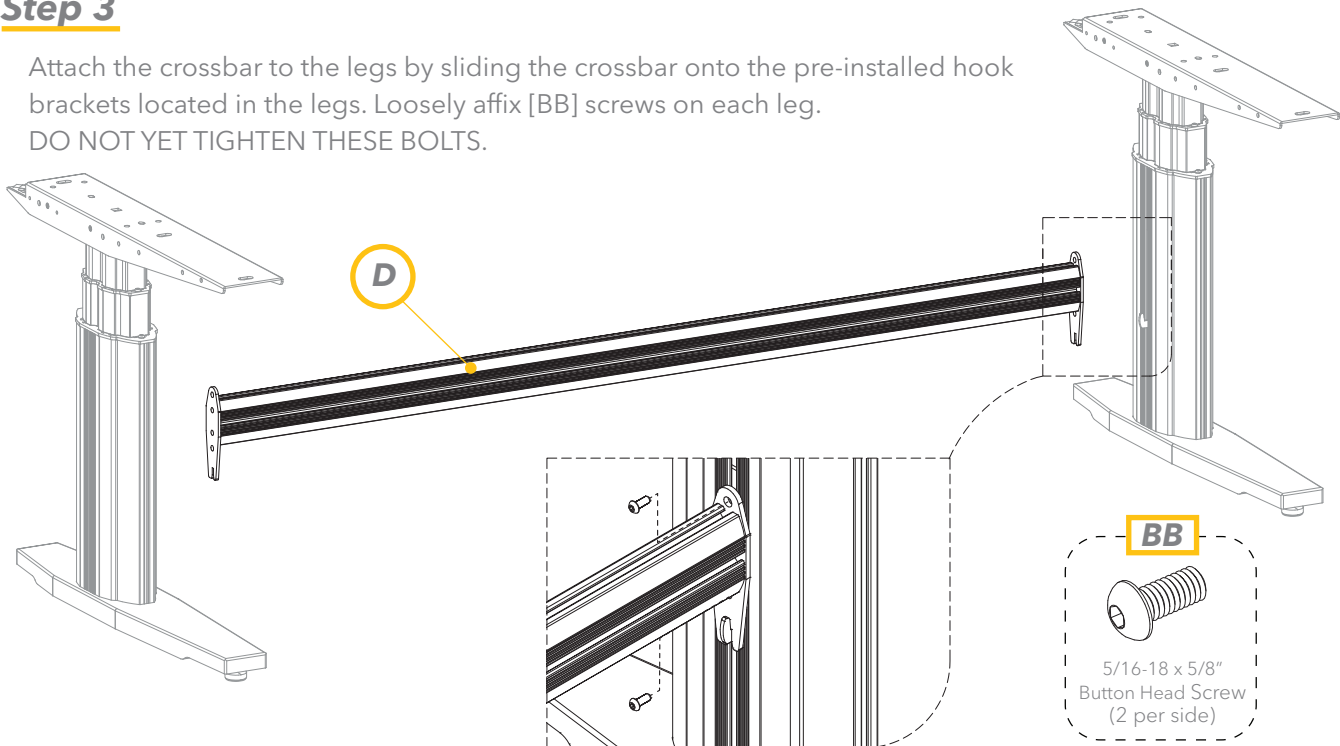
Step 2

Remove (4) pre-installed screws from sides of each (B & C) leg motor and set aside. Attach countertop support arm (E) on the leg using previously removed screws. Secure top using two [FF] screws per support arm (E).

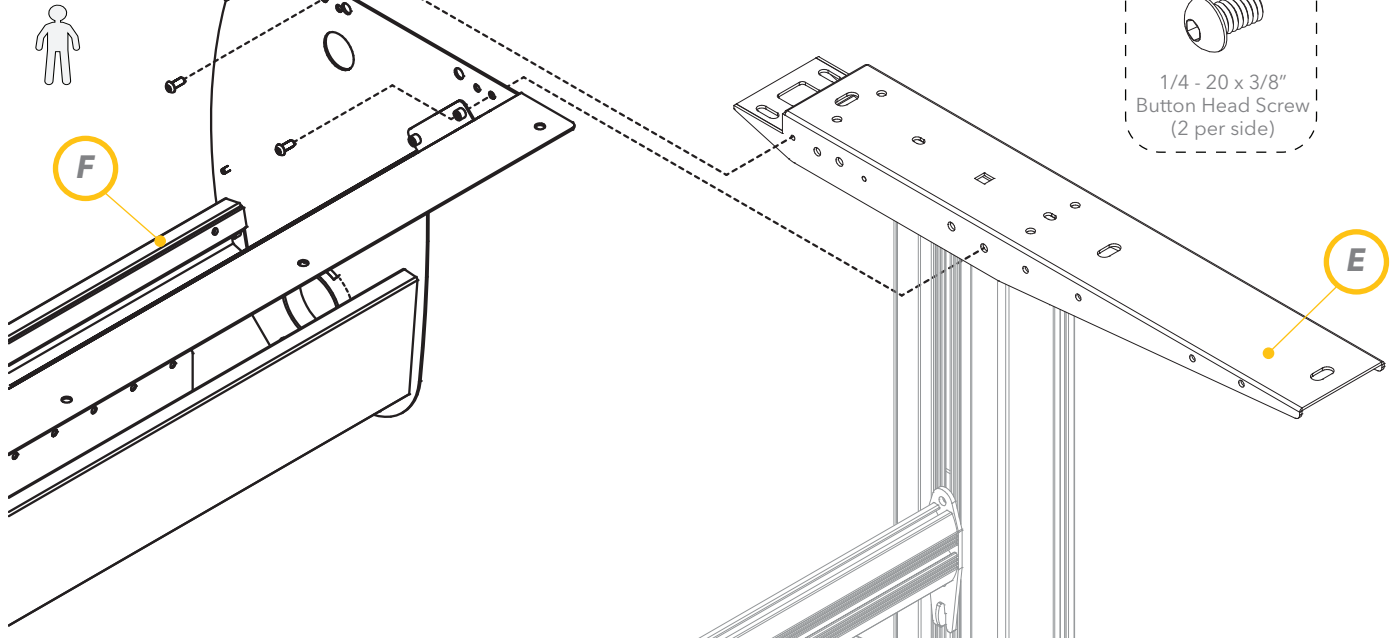


Step 3

Attach the crossbar to the legs by sliding the crossbar onto the pre-installed hook brackets located in the legs. Loosely affix [BB] screws on each leg. DO NOT YET TIGHTEN THESE BOLTS.

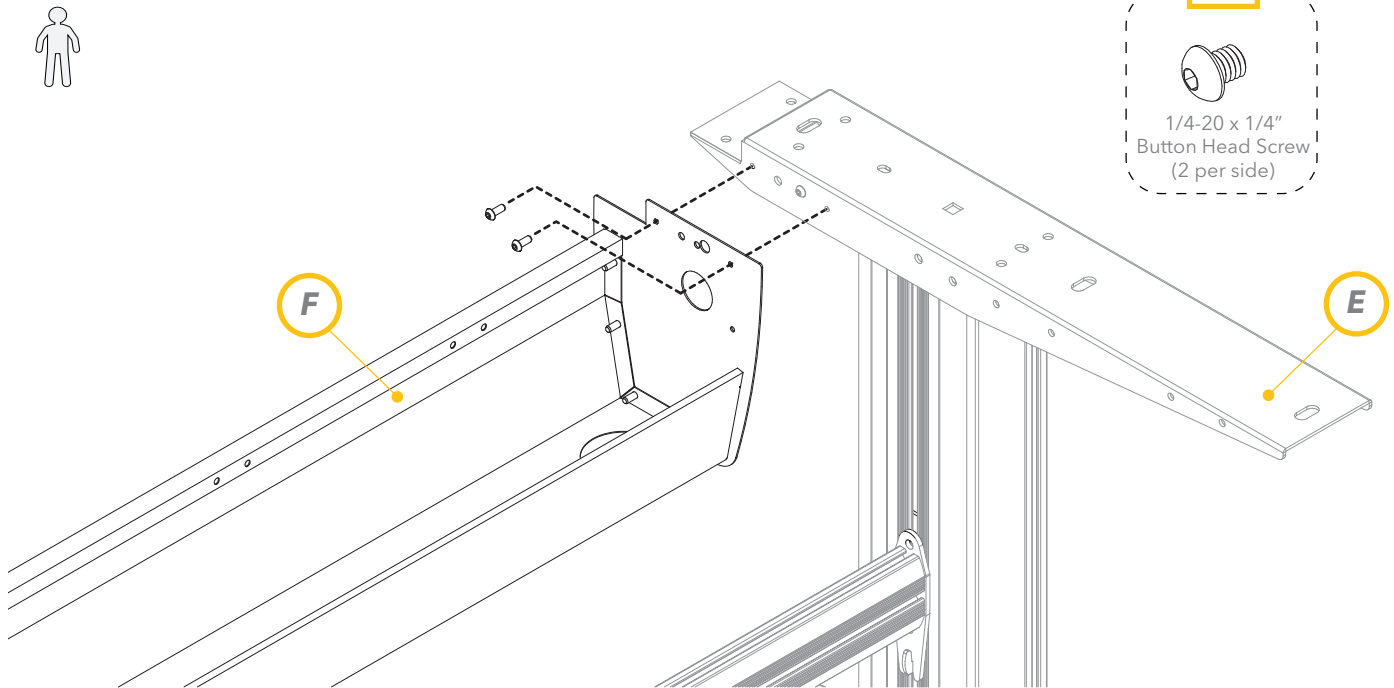


Full Core



Attach the core to the countertop support arms using two [EE] screws per arm (E). Repeat this step for the other arm.

Mini Core



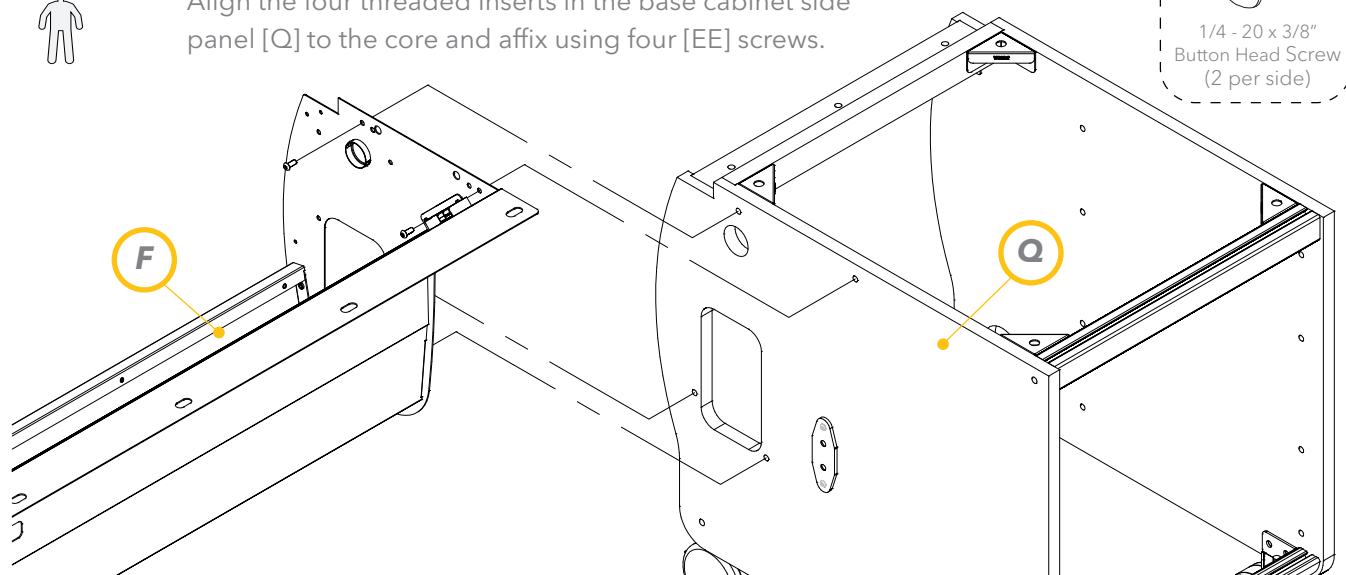
Attach the Core to the Countertop Support Arms using two [DD] screws per Arm (E). Repeat this step for the other arm.



Base Cabinet Full Core



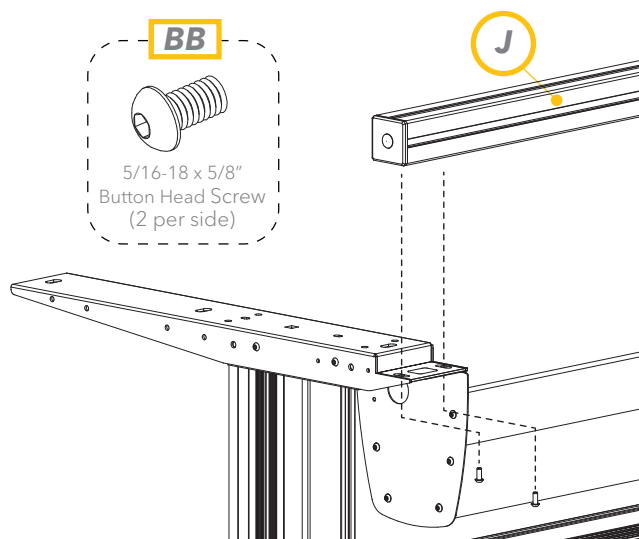
Align the four threaded inserts in the base cabinet side panel [Q] to the core and affix using four [EE] screws.



****NOTE: Attach SmartTrac Mini Core using the same steps as the Full Core.**



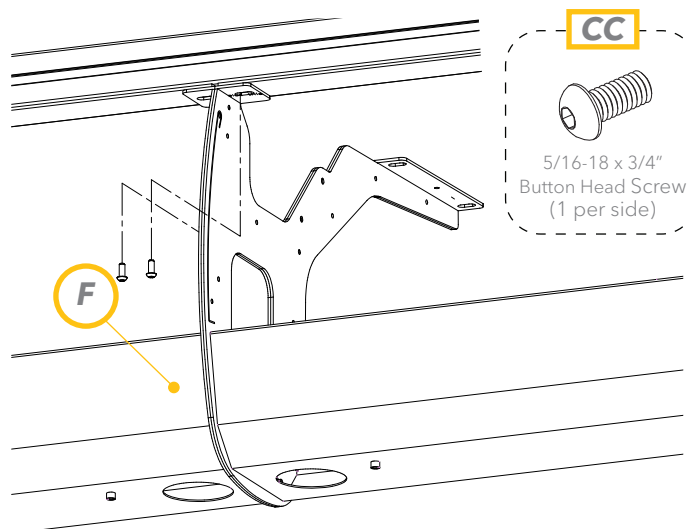
REAR EXTRUSION



Attach the rear Trac to the countertop support arms using two [BB] screws per arm. At this point tighten the crossbar screws.

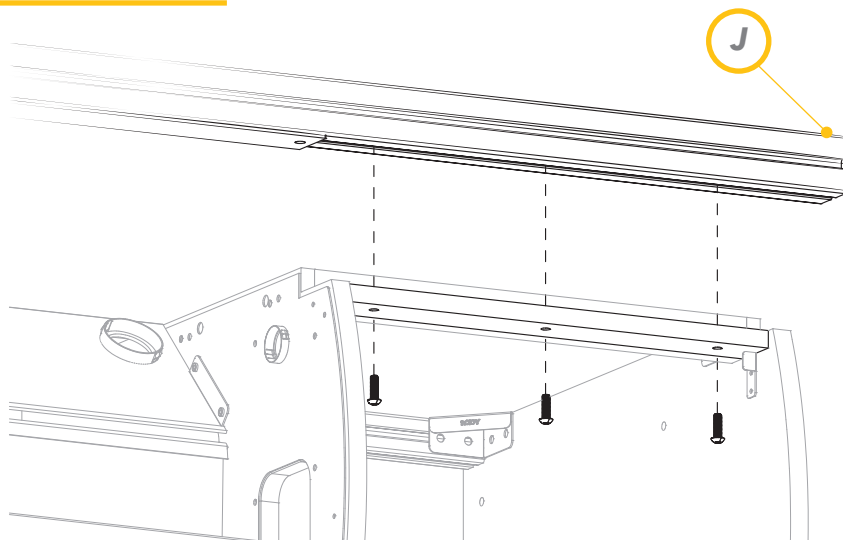
ST4 Core

Rev.1.4



With the rear extrusion attached, locate the fixed (2) T-nuts in the bottom of the rear extrusion. Attach the core (F) to the bottom of the rear extrusion using one [CC] screw per side.

CPU Cabinet



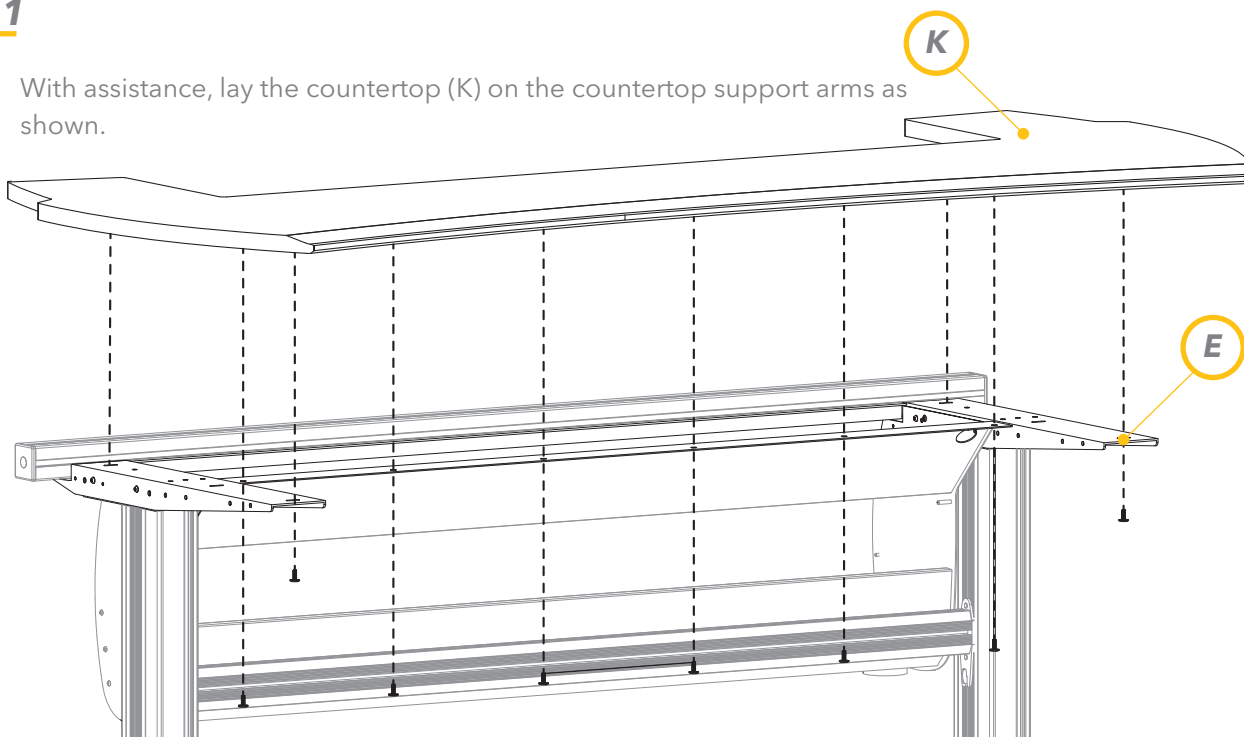
Attach the rear Trac [J] to the base cabinet using three [NN] screws. At this point tighten the crossbar screws.



Step 1



With assistance, lay the countertop (K) on the countertop support arms as shown.

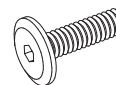


Step 2

Insert the [AA] screws, starting with the countertop support arm screws. Do not tighten until all screws have been placed loosely in their positions. Once the countertop screws are tightened, level the console (front to back & left to right) by adjusting the levelers.

NOTE: The Minicore only attaches to the Countertop Support Arms.

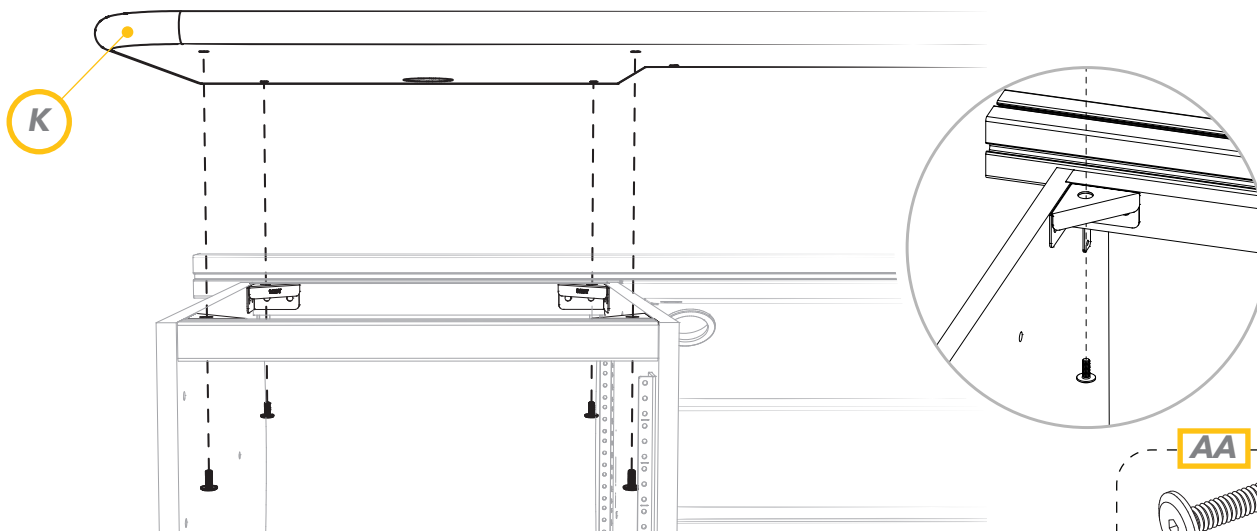
AA



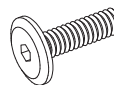
1/4-20 x 3/4"
Low Profile Screw
(10 Total)

BASE CABINET

Using 4 [AA] screws, fasten countertop [K] to the base cabinet at all four premounted top interior brackets as shown below.



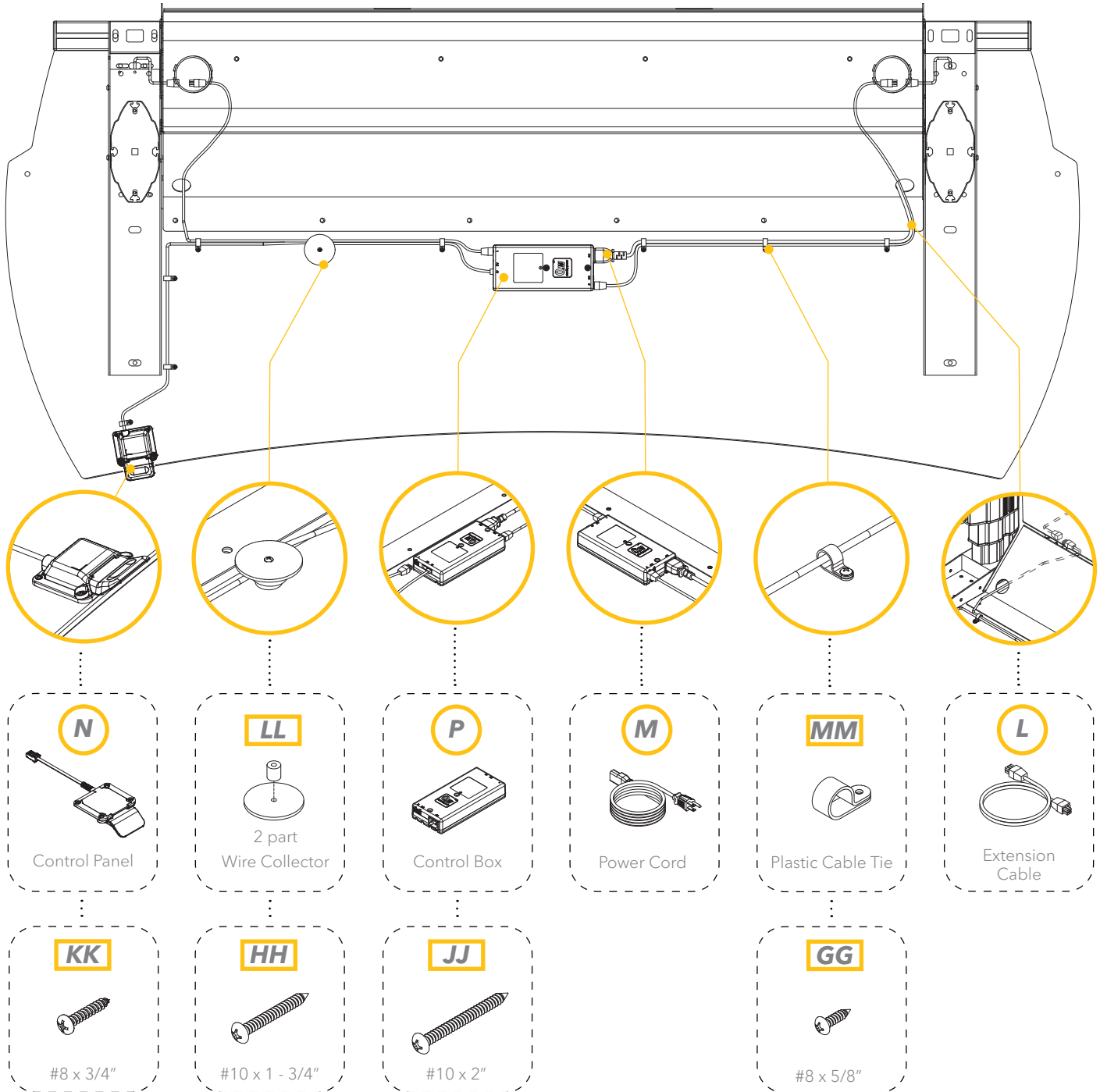
AA



1/4-20 x 3/4"
Low Profile Screw
(10 Total)



View from under counter top.



Line up wire collector collar and backing plate (2 pieces) [LL] and fasten to the countertop in the position shown using the [HH] screw. Fasten the control box [P] to the countertop in the position shown using the [JJ] screws. Fasten the control panel [N] to the countertop in the position shown using the [KK] screws. Place the plastic cable ties [MM] onto the wires as you route them and attach using [GG] screws, as shown.

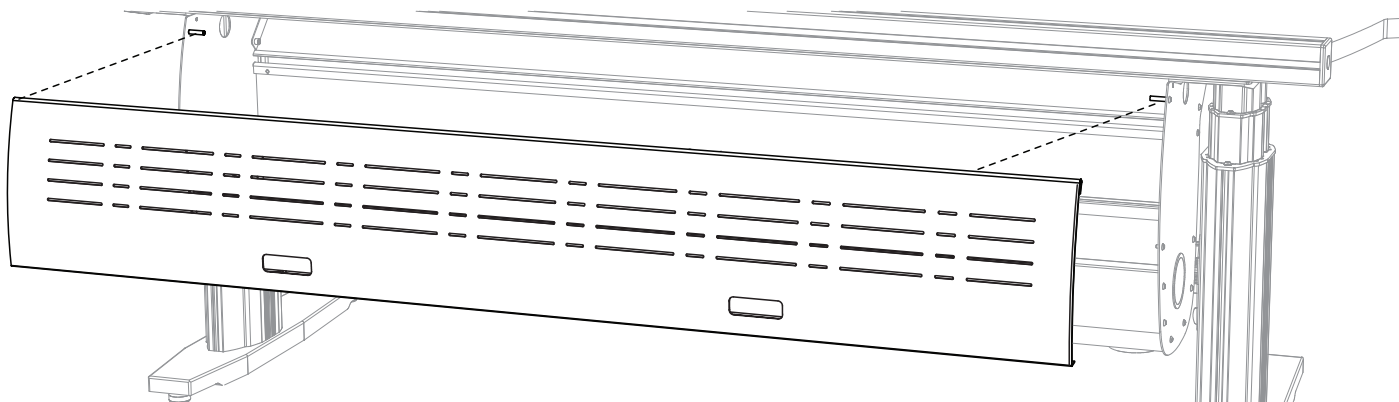
Route the (right) leg cable through the grommet in the side of the core and plug into the extension cable (L). Next, run this cable along the rear of the countertop and plug it into Port 1 of the control box. Route the control panel wire along the countertop support arm, then along the rear of the countertop (wrap some of this wire around the wire collector to minimize slack), and plug it into port A1 of the control box. Route the (left) leg cable through the grommet in the side of the core and plug it into the extension cable. Next, route this cable along the rear of the countertop and plug it into Port 2 of the control box. Plug the power cord (M) into the control box.



REAR ACCESS PANEL

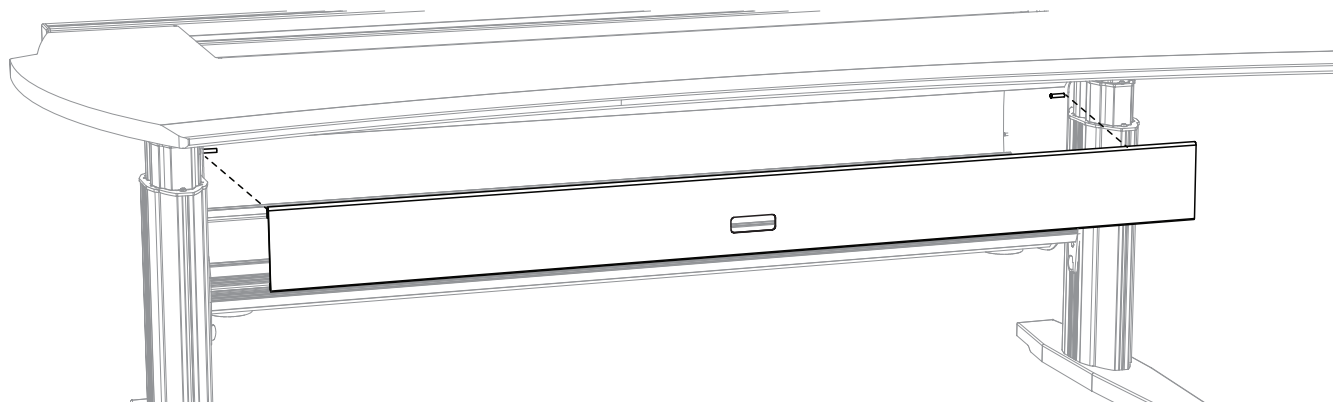
(Optional)

Rev.1.4



Place the rear access panel on the rear of the core by hooking the upper lip of the panel on the 2 hinge posts as shown.

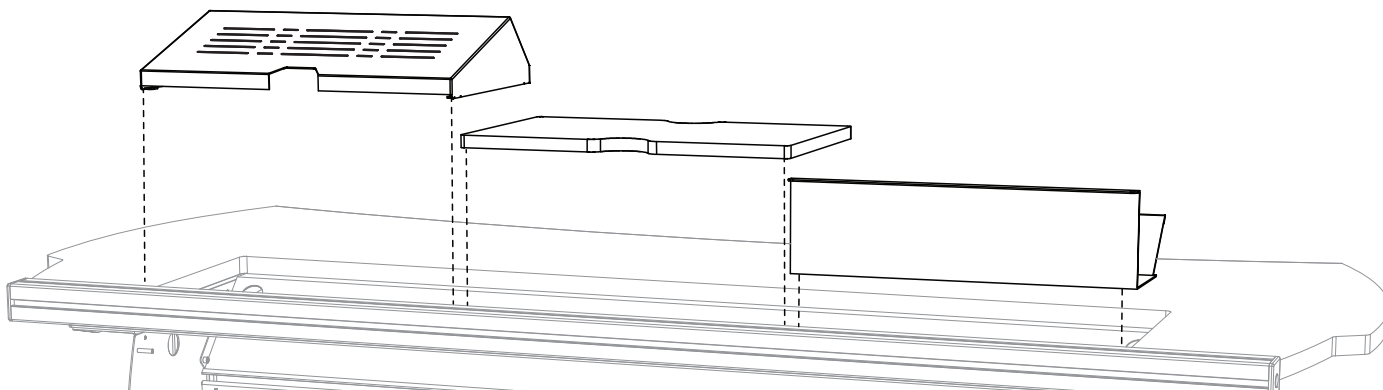
FRONT DOOR



Place the front door on the front of the core by hooking the upper lip of the door on the 2 hinge posts as shown.

TURRETS / MODULAR COMPONENTS

(Optional)



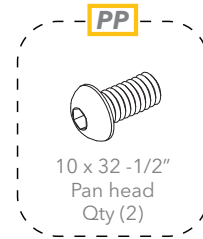
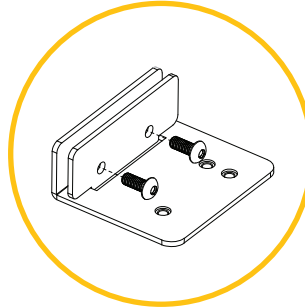
Place the turrets, infills, or drop wells in position, as shown.



(Optional)

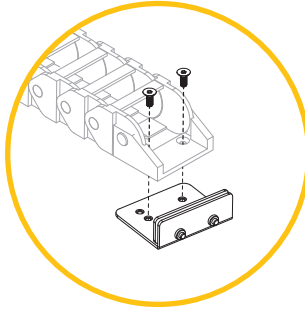
Step 1

Attach outer clamp to inner clamp with (2) [PP] screws.



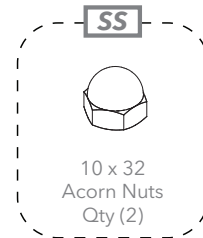
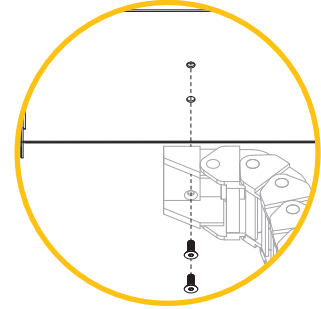
Step 2

Attach clamp to cable chain with [RR] screws.



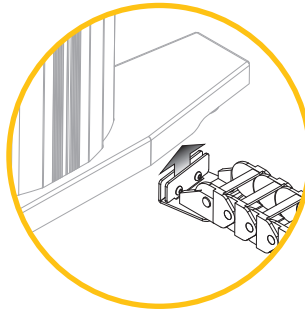
Step 3

Attach cable chain to cable core with (2) [PP] screws and (2) [SS] acorn nuts.



Step 4

Attach clamp to foot, align accordingly and tighten [PP] screws.

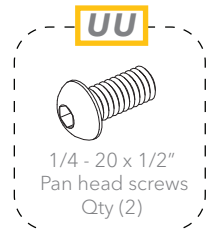
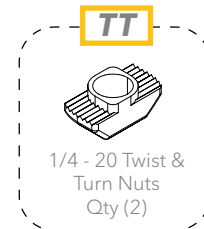
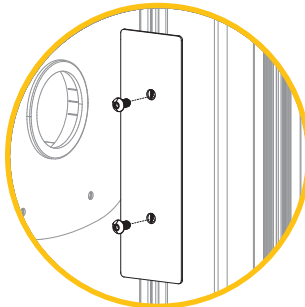


CABLE CHAIN ST-IGUS-2

(Optional)

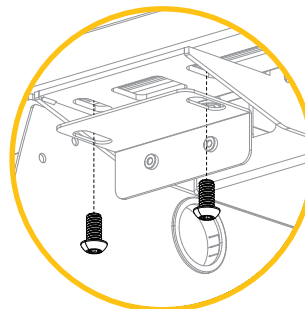
Step 1

Attach cable chain mounting plate using with (2) [TT] nuts and (2) [UU] screws using provided spacer.



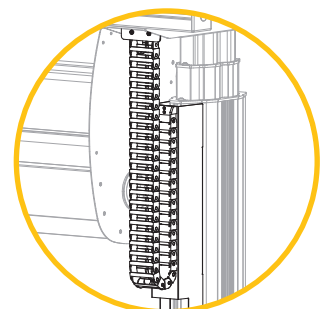
Step 2

Remove countertop support arm [BB] bolts and attach cable chain arm bracket using (2) [BB] bolts.



Step 3

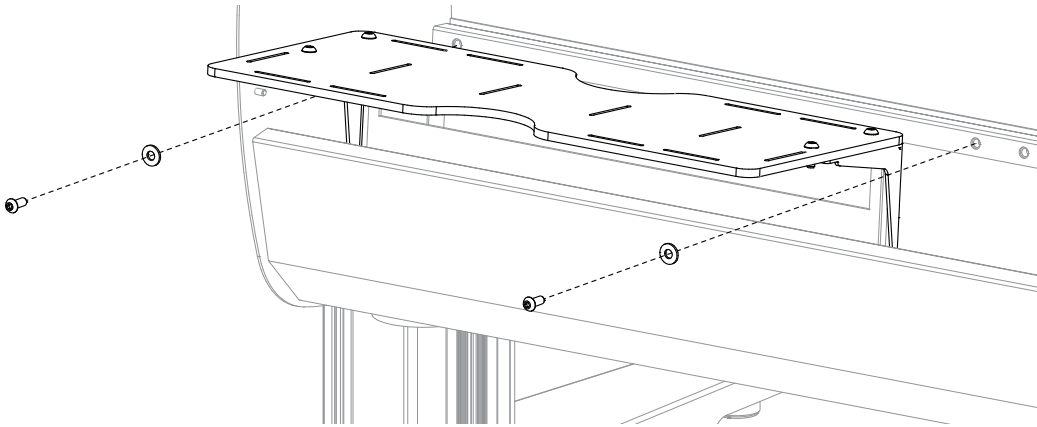
Shroud, with installed cable chain, magnetically attaches to mounting plate.



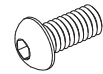
INTERNAL RACK DEVICE

(Optional)

Rev.1.4



PP



1/4-20 x 5/8" Button
Head Screw
Qty (2)

NN



1/4-20
Silver Washer
Qty (2)

Attach the Internal Rack Device to the Core using two [PP] screws with supplied washers [NN]. The rack device can be used independently to secure up to 2RU of equipment or optional device shelf installed using two screws [PP].

INITIALIZATION



STEP 1 Hold Down button on desk panel to ensure the desk is retracted to its lower limit (whether it's the fully retracted hard stop, or a configured lower limit).

STEP 2 Briefly release Down

STEP 3 Press and hold Down for 5 seconds, wait until all desk movement has stopped, then release
A. If initialization is successful, you should see a slight up/down "handshake" movement of the desk legs
B. If you have a desk panel with display, you should also see E01 during this part of the procedure.

MOST COMMON ERROR CODES

Error Code	Name	Description	Potential Cause	Action
E01	Position lost	Unknown position	Position Error	Perform Initialization
E02	Overload up	Overload upwards	Obstruction / Bad leg or cable	Remove weight from desk
E03	Overload down	Overload downwards	Obstruction / Bad leg or cable	Remove weight from desk
E023	Channel 1 missing	Channel 1 is missing	Disconnection	Check Channel 1 cable connections
E024	Channel 2 missing	Channel 2 is missing	Disconnection	Check Channel 2 cable connections

The error codes listed above are the most common.
A complete list of error codes is found by following the QR code:



Thank you for your business. We hope your experience using our product is excellent, and we can't wait to see you again soon. We welcome your input on this guide, our products or services by emailing feedback@tbconsoles.com.

TBC provides a robust warranty on all our products, however, incorrect installation could void this warranty. Save time by engaging with our expert installation team, contact support@tbconsoles.com.

All patterns, designs, and specifications are the intellectual property of TBC and may not be reproduced without prior written consent.

These assembly instructions are meant as a guide. As we provide custom consoles based on a modular standard design, it is not possible to cover all possible customizations. In the event that a customization applies for your project beyond this guide then a detailed drawing or additional instructions will be provided.



tbconsoles.com

All specifications and other information contained in this installation guide are based on the latest product information available at the time of printing. TBC Consoles is dedicated to product improvement and therefore reserves the right to make changes to the specifications of this and other products.

© TBC Consoles. Not to be reproduced wholly or in part without specific written permission from TBC Consoles.