

STEM Maker Station



Assembly Guide STEM100_STEM102_2014_B

Check out our other products online at
www.copernicused.com

For assistance, please contact us:

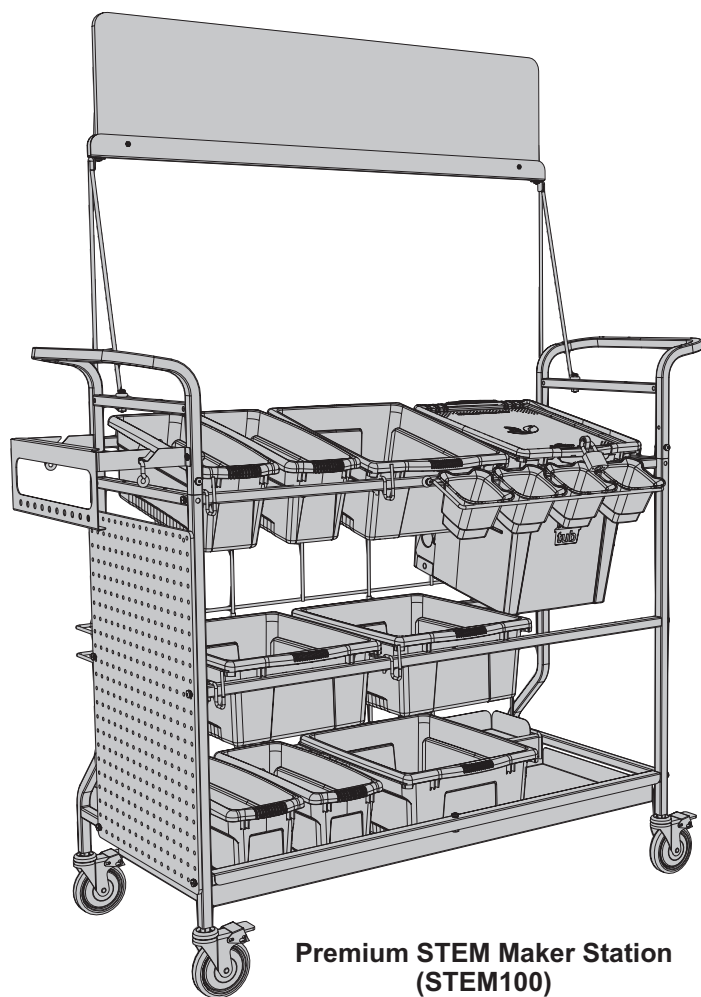
1-800-267-8494

Email info@copernicused.com

Have your packing slip ready for reference

WARNING !

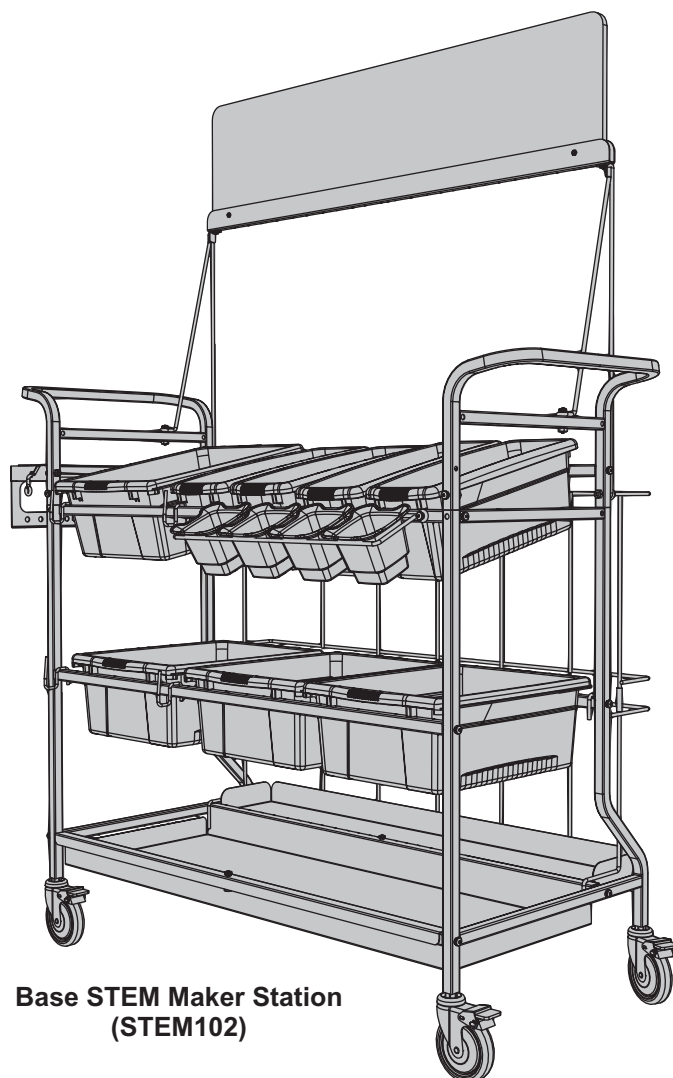
- This product is meant to be assembled by an adult.
- In its unassembled state, small parts present a hazard.
- To be used under direct supervision of an adult.



Premium STEM Maker Station
(STEM100)

Touchboards

205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com



Base STEM Maker Station
(STEM102)



Please Recycle



Warning! Hazard Risks!

Please read the warnings below for important safety information regarding your product. Failure to read these warnings or to follow the instructions below could result in personal injury or damage to your product that could void your warranty.



Small
Parts

In its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.



Adult
Supervision

This product is to be used under the supervision of an adult.



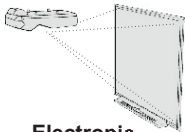
Indoor Use
Only

This product is intended for indoor use only. To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. The internal components are not sealed from the environment.



Powerbar
Specifications

Read your powerbar's electrical specifications. Only plug in devices that are approved for use with this powerbar. Connect the supplied power bar directly to a wall outlet. **Do not connect to another power bar or use an extension cord.** Unplug when not in use.



Electronic
Equipment

Read the electrical specifications of any electronic equipment you are using with your Copernicus products. Failure to read these specifications and follow their instructions could result in damage to your equipment or personal injury.



Cable Trip
Hazard

Ensure that any cables extending across the floor to your product are properly bundled and marked to avoid tripping or falling which may lead to personal injury.



Electrical Shock

Do not install or use the electrical components of this unit during a lightening storm.



Climb Hazard

Do not climb on, hang from or suspend objects from any components of your product unless otherwise specified.



Before beginning, you should have:

Additional tools required:

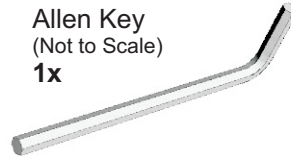
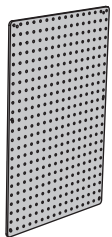
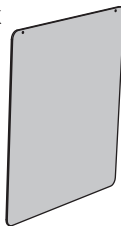
Adjustable wrench x1



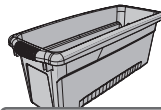
Screwdriver

Hardware
Actual Size

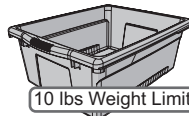
In Box 1

Ⓐ M6 50mm
x12Ⓔ M6 19mm
x2Ⓗ M6 Lock Washer
x23Ⓑ M6 40mm
x2Ⓕ M5 20mm
x2Ⓘ M5 Lock Nut
x2Ⓒ M6 35mm
x2Ⓖ M5 10mm
x2Ⓙ M6 Nut
x9Ⓓ M6 30mm
x5Allen Key
(Not to Scale)
1x**STEM 100 (Premium) - Accessory Box 2**Peg Board
1xWhite Board
1xTiny Tub
4x
(CC4072-O)
(CC4072-P)

2.5 lbs Weight Limit

Small Tub
4x
(CC4070-B)
(CC4070-G)
(CC4070-Y)
(CC4070-R)

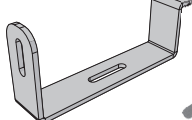
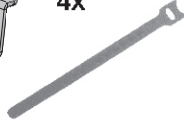
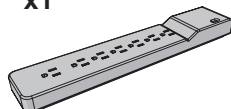
5 lbs Weight Limit

Open Tub
4x
(CC4068-B)
(CC4068-G)
(CC4068-Y)
(CC4068-R)

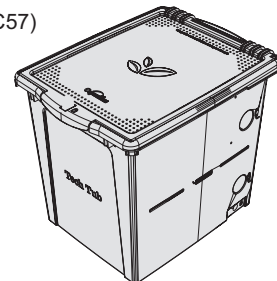
10 lbs Weight Limit

'S' Hooks
1x

In Box 2

STEMAC1 Powerbar Accessory KitPower Bar Holder
2xCable Tie
4xPower Bar
x1Ⓓ M6 30mm
x2Ⓗ M6 Lock Washer
x2Ⓙ M6 Nut
x2**STEM 100 ONLY!**

TEC57 - BOX 4

Tech Tub™
1x
(TEC57)

Before beginning, you should have:

Additional tools required:

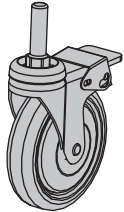
Adjustable wrench x1



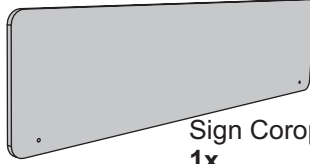
Screwdriver



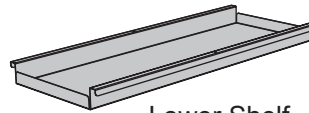
STEM100(Premium)-STEM102(Base) - Box 1



3 inch Casters
w/ pinch point
covers
4x



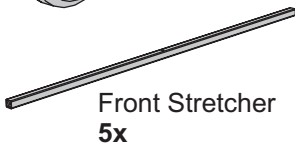
Sign Coroplast
1x



Lower Shelf
1x



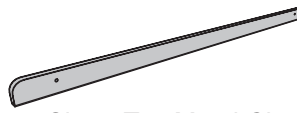
'S' Hooks
1x



Front Stretcher
5x



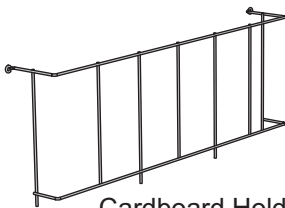
Top Front Stretcher
Red dot sticker
1x



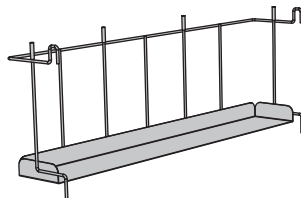
Sign - Top Metal Channel
1x



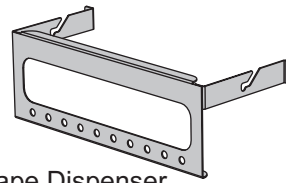
Tiny Tub Holder
1x



Cardboard Holder Top
1x



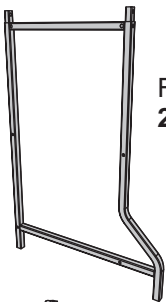
Cardboard Holder Bottom



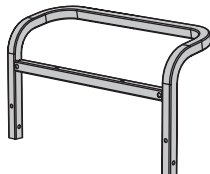
Tape Dispenser
1x



Tape Spool
1x



Frame
2x



Main Frame Handle
2x



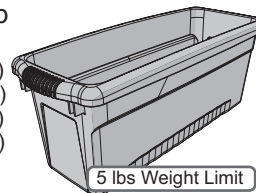
Sign Rod - Left
1x

Sign Rod - Right
1x

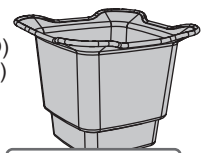


STEM102 (Base) - Accessory Box 2

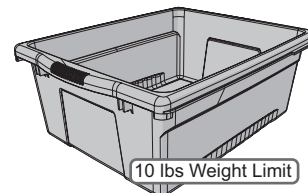
Small Tub
4x
(CC4070-B)
(CC4070-G)
(CC4070-Y)
(CC4070-R)



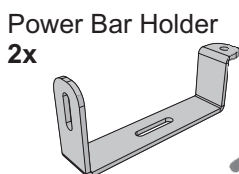
Tiny Tub
4x
(CC4072-O)
(CC4072-P)



Open Tub
4x
(CC4068-B)
(CC4068-G)
(CC4068-Y)
(CC4068-R)

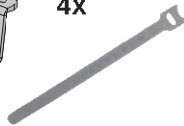


STEMAC1 Powerbar Accessory Kit

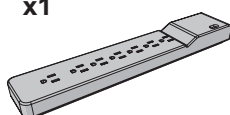


Power Bar Holder
2x

Cable Tie
4x



Power Bar
x1



D M6 30mm
x2



H M6 Lock
Washer
x2



J M6 Nut
x2



In Box 2



Tips for Assembly - Using this Manual



2 Person

Watch for These Helpful Symbols

- This symbol denotes a 2 Person Task. For safety, please ensure that there are two people working on steps displaying this symbol
- Watch for this symbol throughout the Assembly Instructions. Wherever you see it, pay close attention. The symbol denotes a step needing extra attention to ensure it is done correctly.
- The Star symbol highlights an advisory note



Before You Begin



- Layout and identify all of the included parts
- The hardware has been packed by step
- Read the assembly instructions over once to familiarize yourself with them
- Please note that in its unassembled state, this product contains parts that can be a hazard to small children; it should be assembled by an adult.

As You Assemble the Unit



- Follow the steps in sequence
- Before beginning each step, find the part(s) that you need for that step
- Pay attention to the labeling on the parts, they are there to help direct you at certain stages
- The title of each step states what you will be doing. Review the text and the pictures as you build the unit.



Validate Your Warranty On-Line

To validate your warranty submit the ON-LINE form at www.copernicused.com

“The beautiful thing about learning is that no one can take it away from you.” - B. B. King



Tips for Assembly

Watch for These Helpful Symbols

This symbol denotes a 2- or 3- Person Task. For safety, please ensure that there are the suggested number of people working on steps displaying this symbol.



Watch for this symbol throughout the Assembly Guide. Wherever you see it, pay close attention. The symbol denotes a step needing extra attention to ensure it is done correctly.



The star symbol highlights an advisory note.



Before You Begin

- Lay out and identify all of the included parts.
- The hardware has been packed according to step.
- Read the assembly guide over once to familiarize yourself with them.



Please note that in its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.



As You Assemble the Unit

- Follow the steps in sequence.
- Before beginning each step, find the part(s) that you need for that step.
- Pay attention to the labels on the parts; they are there to help direct you at certain stages.
- The title of each step states what you will be doing. Review the text and the pictures as you build the unit.



Customer Service - FAQ's



For missing parts and other issues regarding the frame:

- The height adjust system is not working.
- The projector mount cannot be rotated.

Please call Copernicus Customer Service, where we will be happy to help.

1-800-267-8494. Monday - Friday 8:30am - 4:30 pm EST.

OR

Email our Tech Support Service at vanessa@copernicused.com



1

Actual Size:



(D)
2x

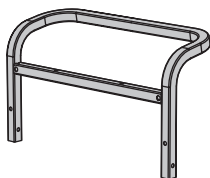


(H)
2x



(J)
2x

You will need: (Not to Scale)



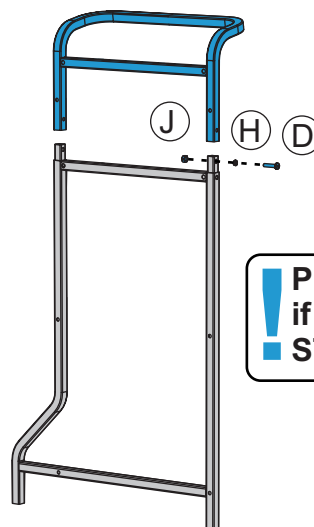
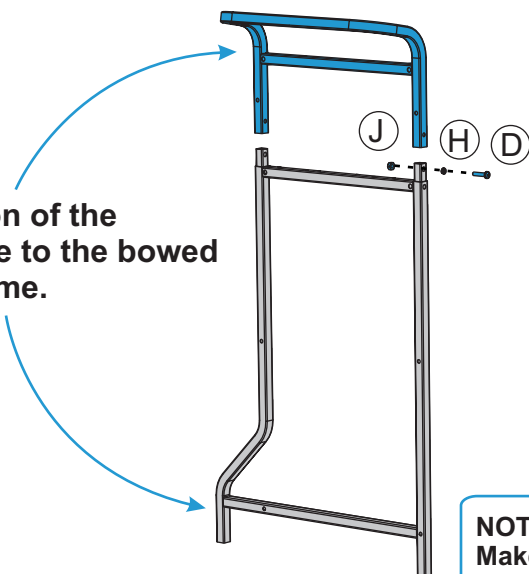
Main Frame Handle
2x



Frame
2x

Attach Main Frame Handle to Frame

Note the orientation of the Main Frame Handle to the bowed back leg of the frame.



Proceed to Step 2b if you are assembling STEM102 (Base)

NOTE: All images will be showing the Premium STEM Maker Station (STEM100) unless otherwise stated.

2a

Actual Size:

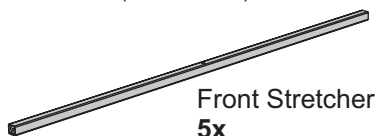


(A)
9x



(H)
9x

You will need: (Not to Scale)



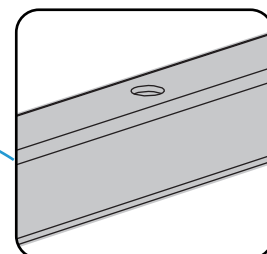
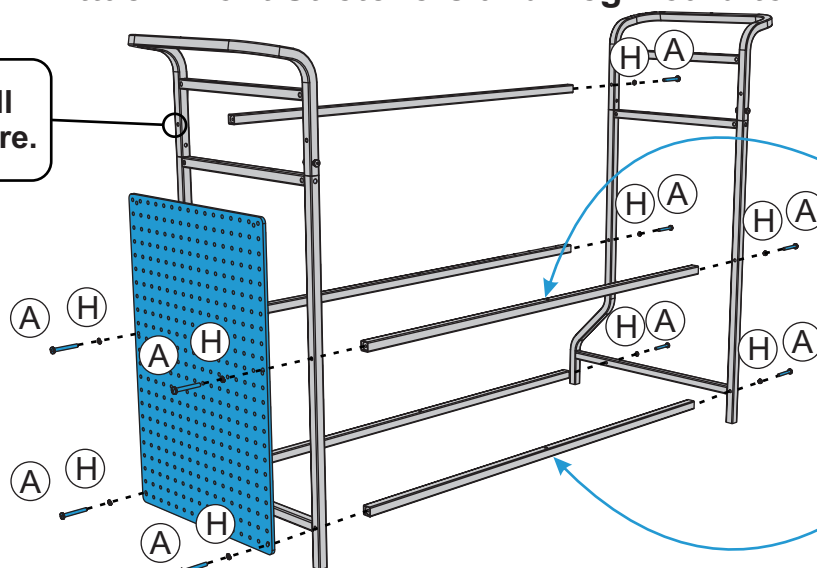
Front Stretcher
5x



Peg Board
1x

Premium Version: Attach Front Stretchers and Peg Board to Frame.

Do not install hardware here.



The hole on the Front Stretchers should be facing upwards.



2b

Actual Size:

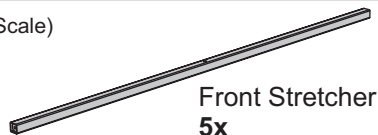


(A)
9x



(H)
9x

You will need: (Not to Scale)

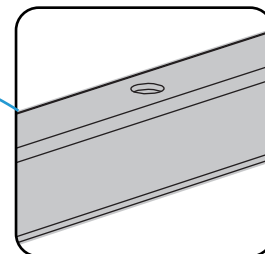
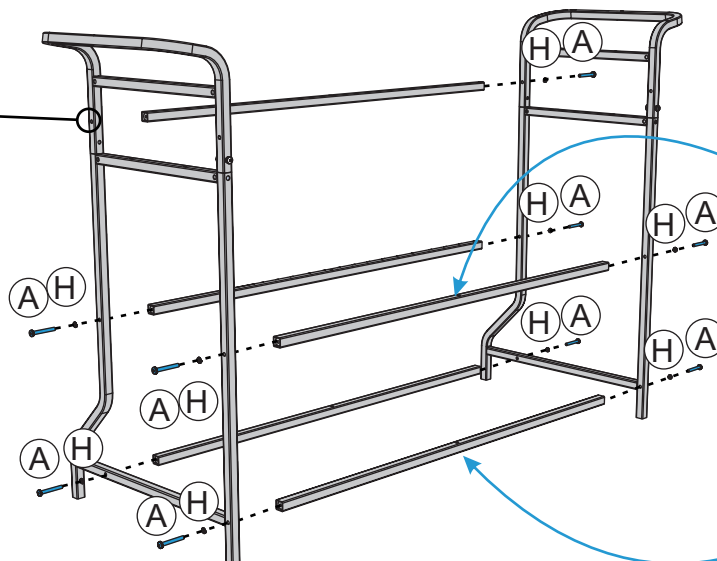


Touchboards

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Fax: (732)-222-7088 | E-mail: sales@touchboards.com

Base Version: Attach Front Stretchers to Frame

! Do not install hardware here.



The hole on the Front Stretcher should be facing upwards.

3

Actual Size:

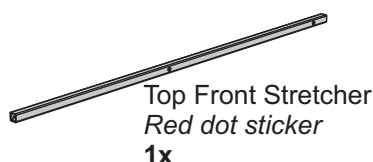


(A)
2x



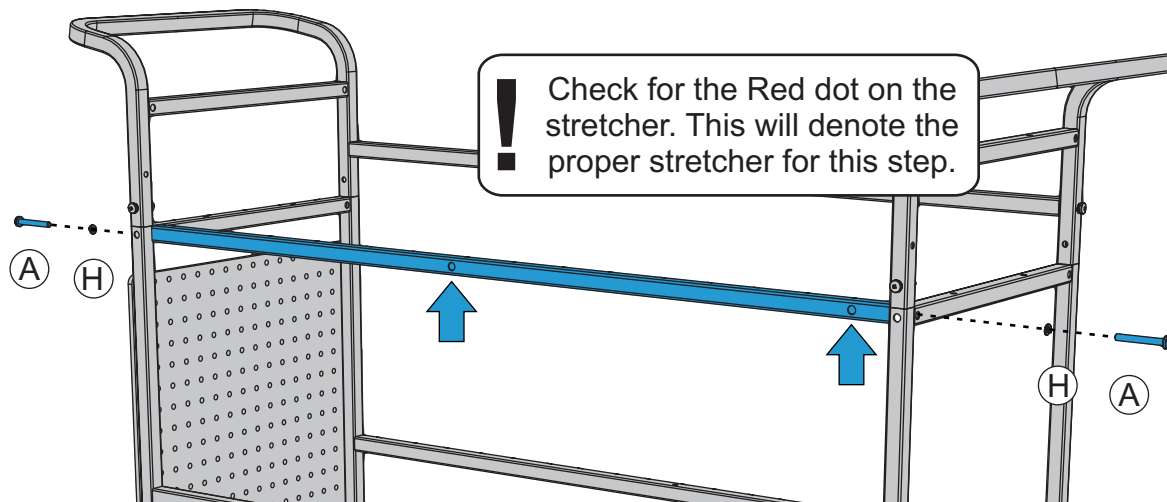
(H)
2x

You will need: (Not to Scale)



Install Top Front Stretcher.

Note the orientation of the holes on the stretcher.



4

Actual Size:



A
1x



D
1x

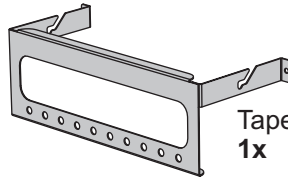


H
2x



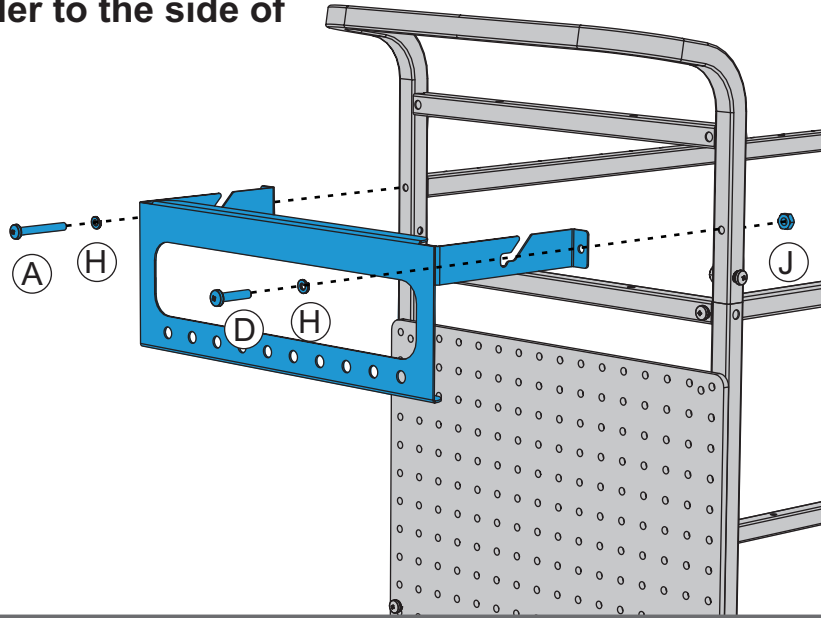
J
1x

You will need: (Not to Scale)



Tape Dispenser
1x

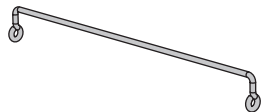
Attach the Tape Roller to the side of the frame.



5

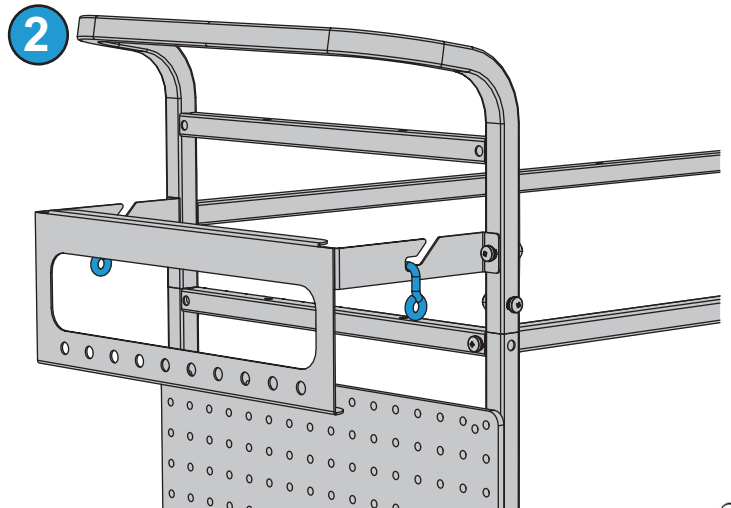
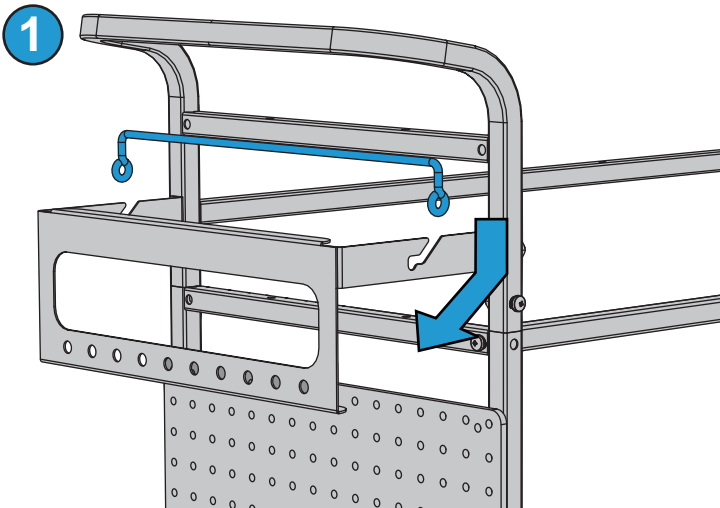
Actual Size:

You will need: (Not to Scale)



Tape Spool
1x

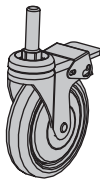
Install Tape Spool into slot on Tape dispenser



6

Actual Size:

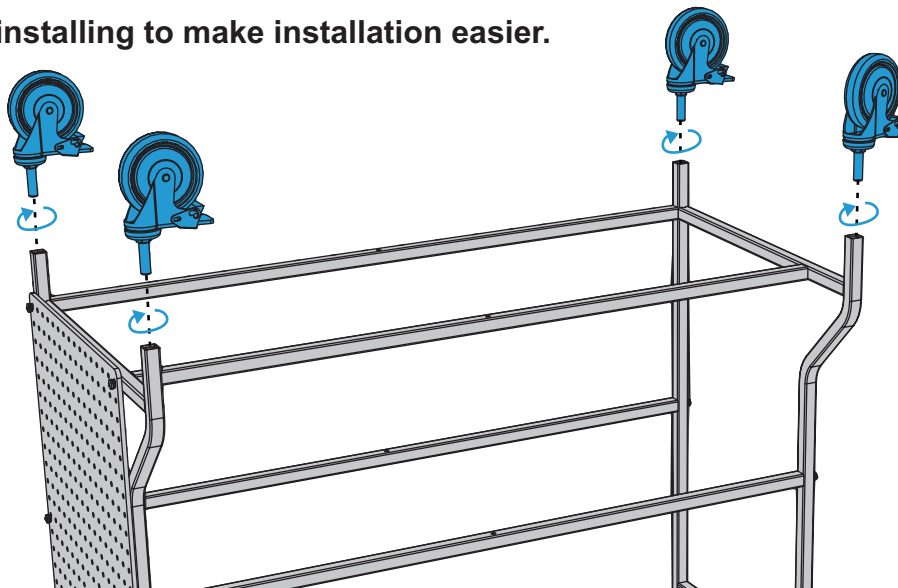
You will need: (Not to Scale)



3 inch Casters
w/ pinch point
covers
4x

Insert Casters into bottom of Frame

Lock Caster before installing to make installation easier.



7

Actual Size:



(D)
2x

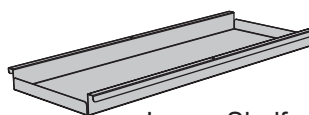


(H)
2x



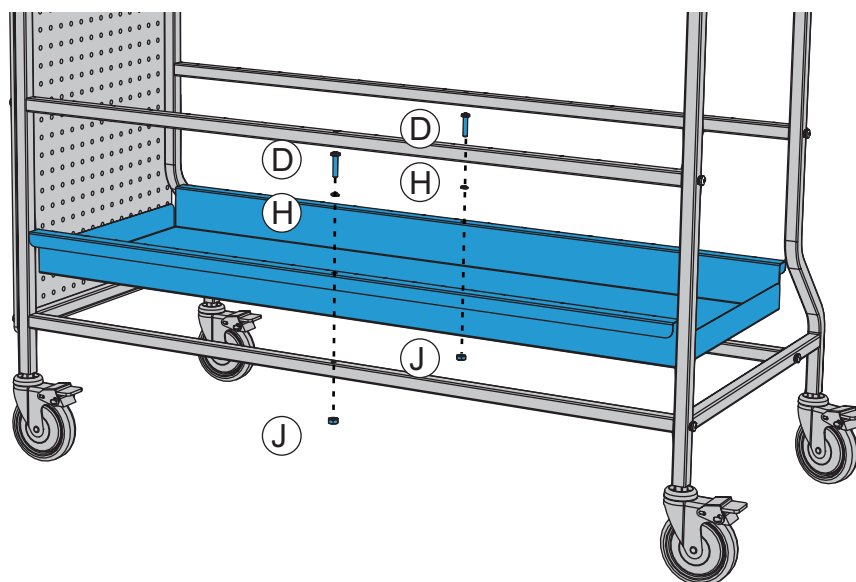
(J)
2x

You will need: (Not to Scale)



Lower Shelf
1x

Install Lower Shelf onto bottom stretchers.

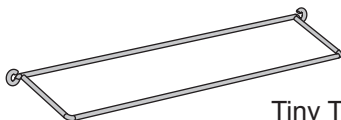


8

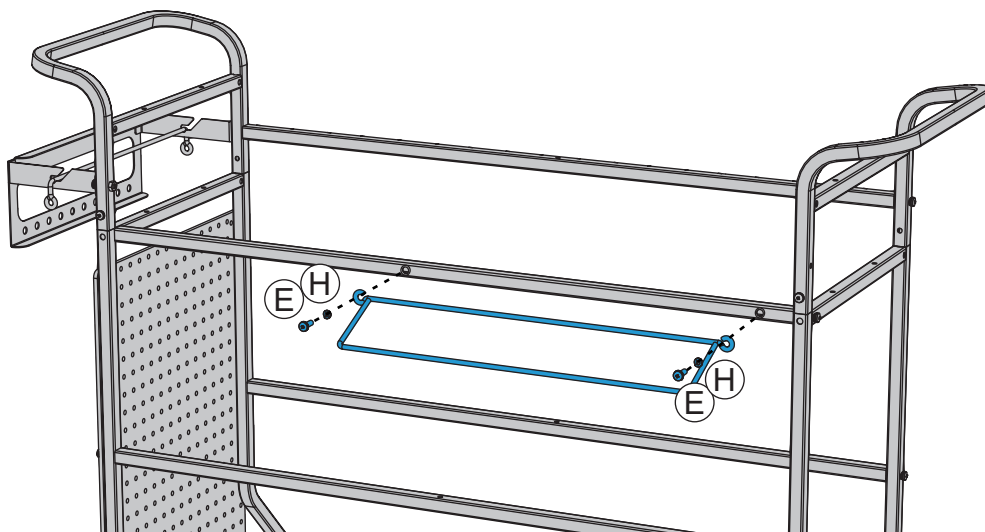
Actual Size:

E
2xH
2x

You will need: (Not to Scale)

Tiny Tub Holder
1x

Attach Tiny Tub Holder



9

Actual Size:

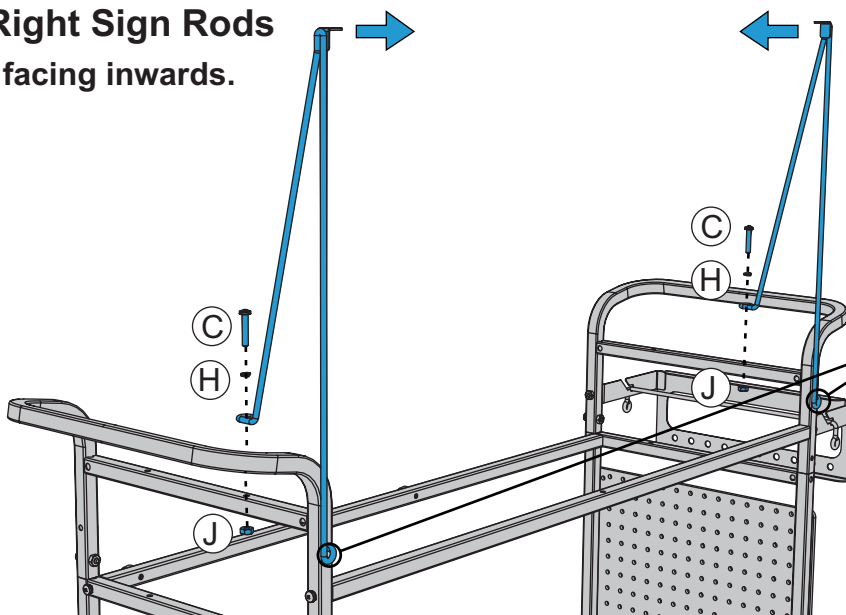
C
2xH
2xJ
2x

You will need: (Not to Scale)

Sign Rod - Left
1xSign Rod - Right
1x

Attach Left and Right Sign Rods

Top tabs should be facing inwards.



DO NOT secure the long arms of the sign rods. To be done at a later step.

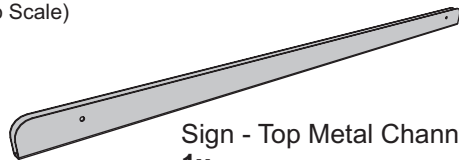


10

Actual Size:

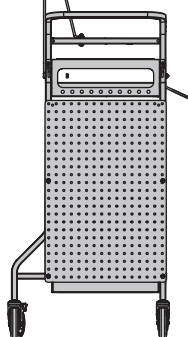
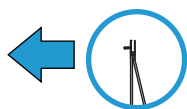


You will need: (Not to Scale)

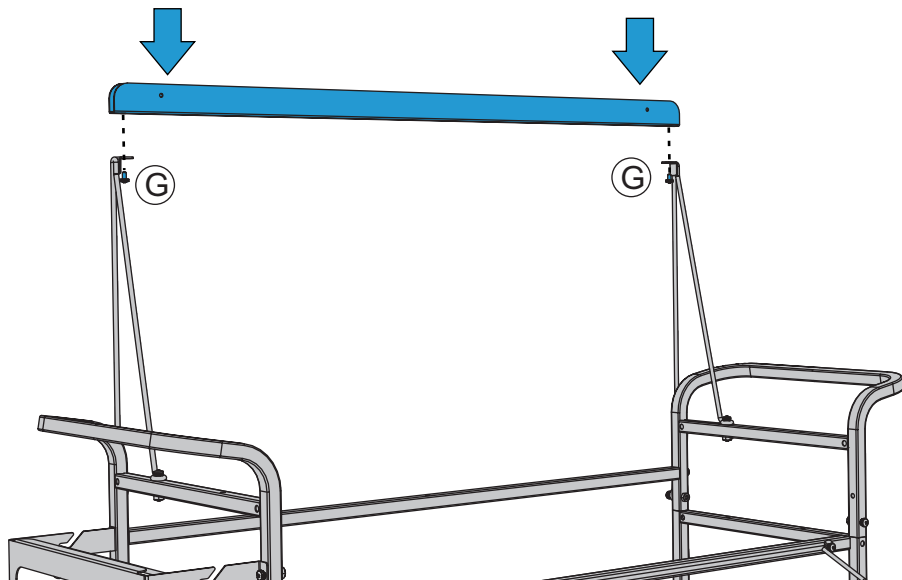


Sign - Top Metal Channel
1x

Attach the Top Metal Channel to the Sign Rods



Metal Loops should be facing the back of the cart.



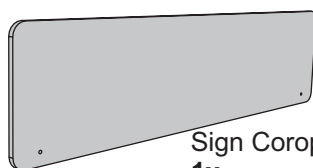
11

Actual Size:



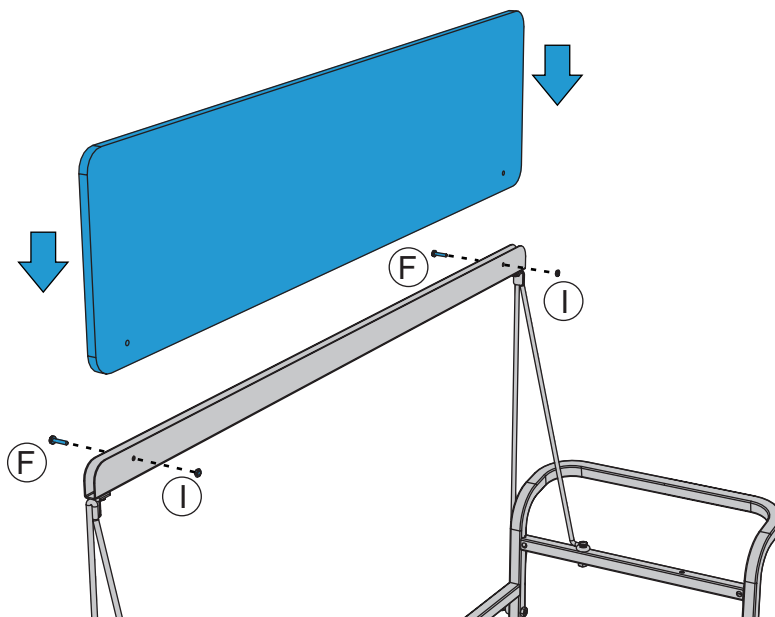
You will need: (Not to Scale)

Screwdriver
⊕



Sign Coroplast
1x

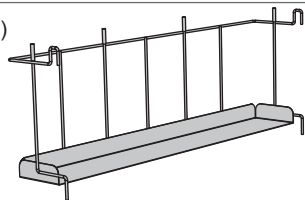
Install Coroplast Sign



12

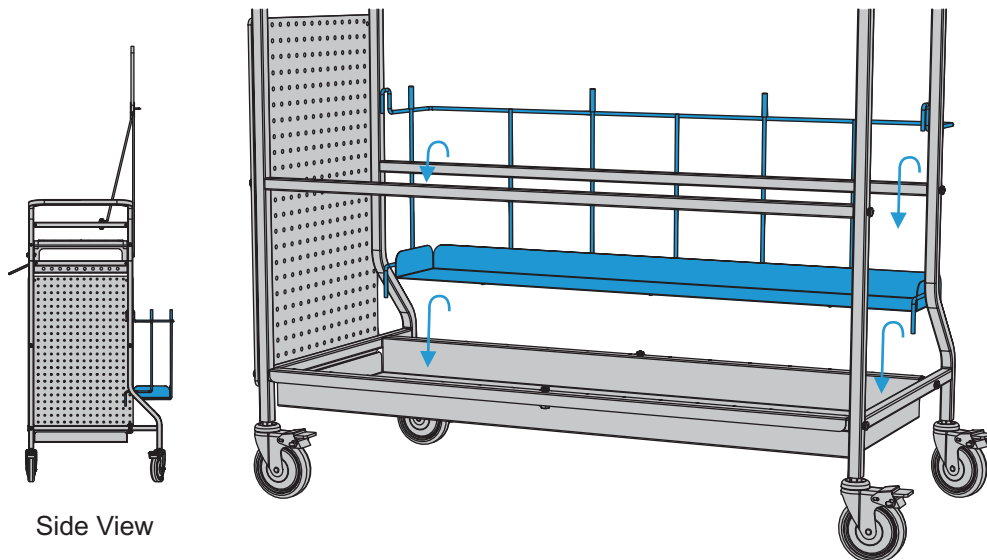
Actual Size:

You will need: (Not to Scale)

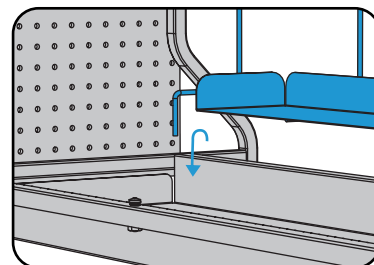


Cardboard Holder
Bottom
1x

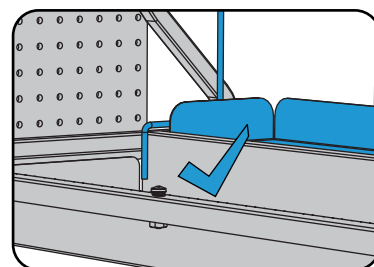
Slide Cardboard Holder Bottom over Stretchers



Side View



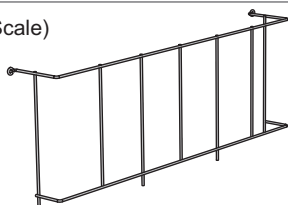
Hook holder over frame.



13

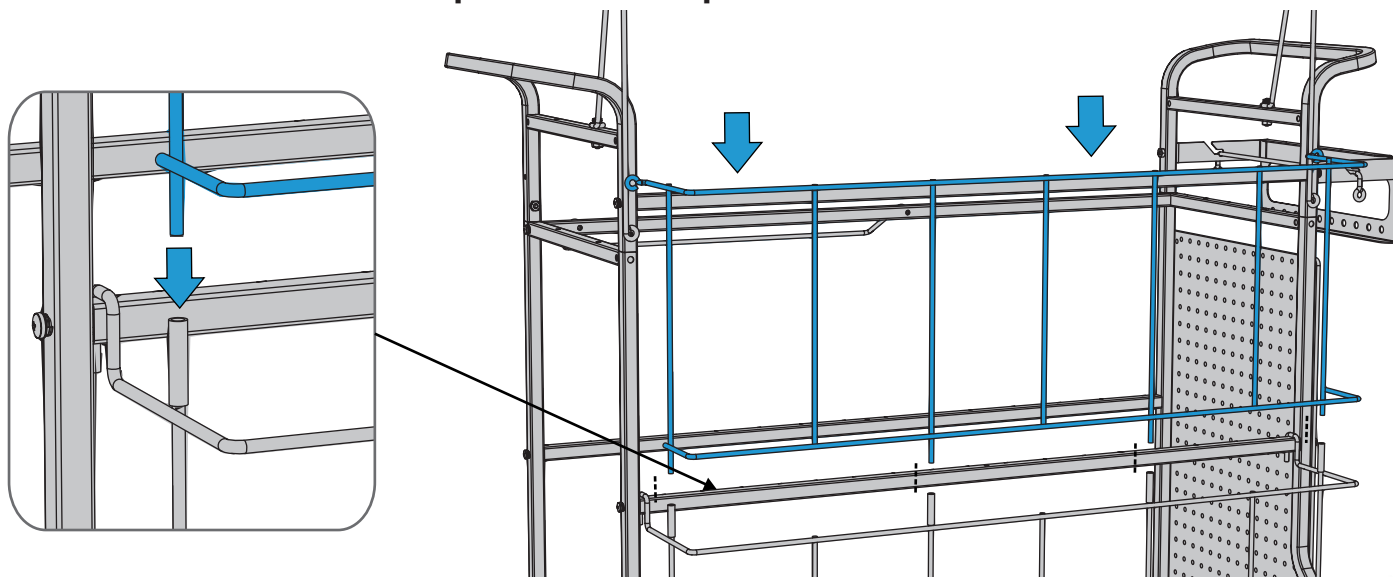
Actual Size:

You will need: (Not to Scale)



Cardboard Holder Top
1x

Slide Cardboard Holder Top into bottom piece.



14

Actual Size:



ⓑ

2x



ⓓ

2x

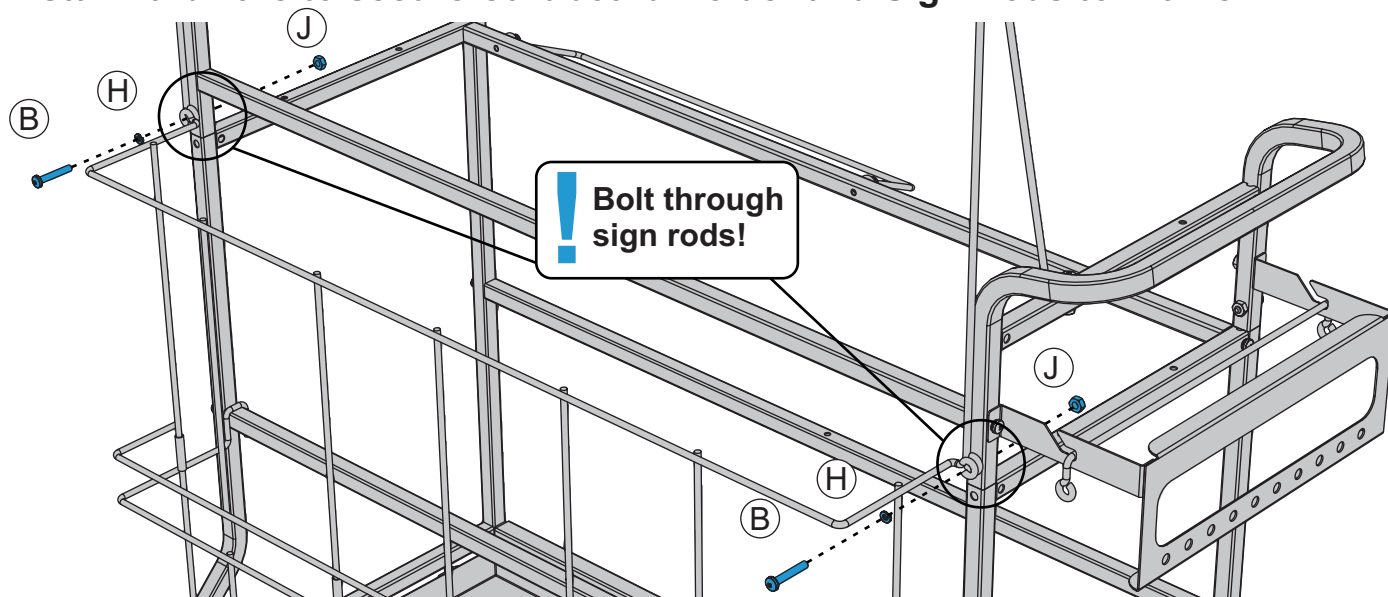


ⓐ

2x

You will need: (Not to Scale)

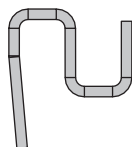
Install hardware to secure Cardboard Holder and Sign Rods to Frame.



15

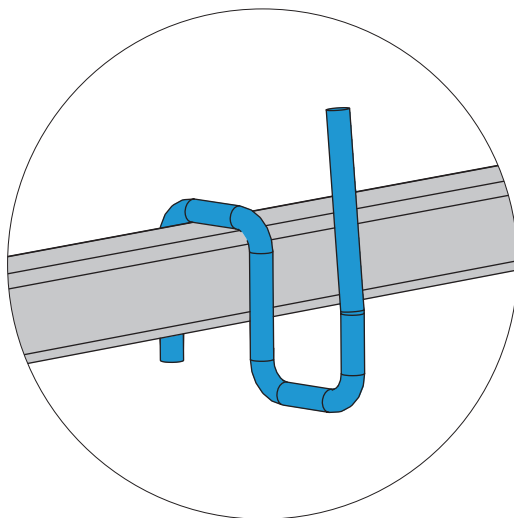
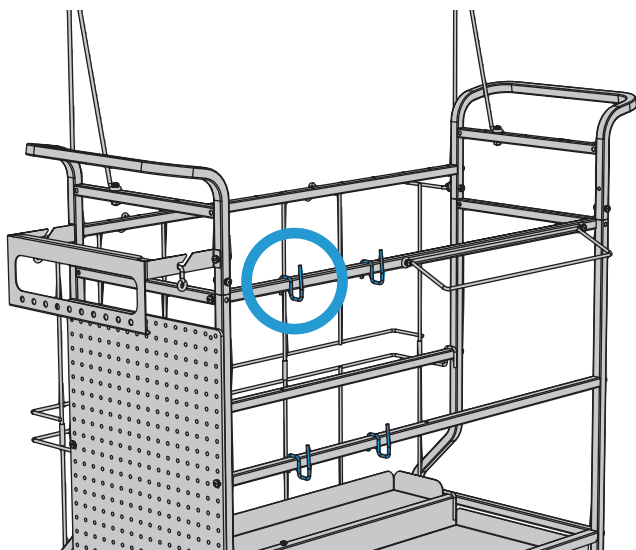
Actual Size:

You will need: (Not to Scale)



'S' Hooks
4x

'S' hooks can be placed on the stretchers to hold tools or other useful items



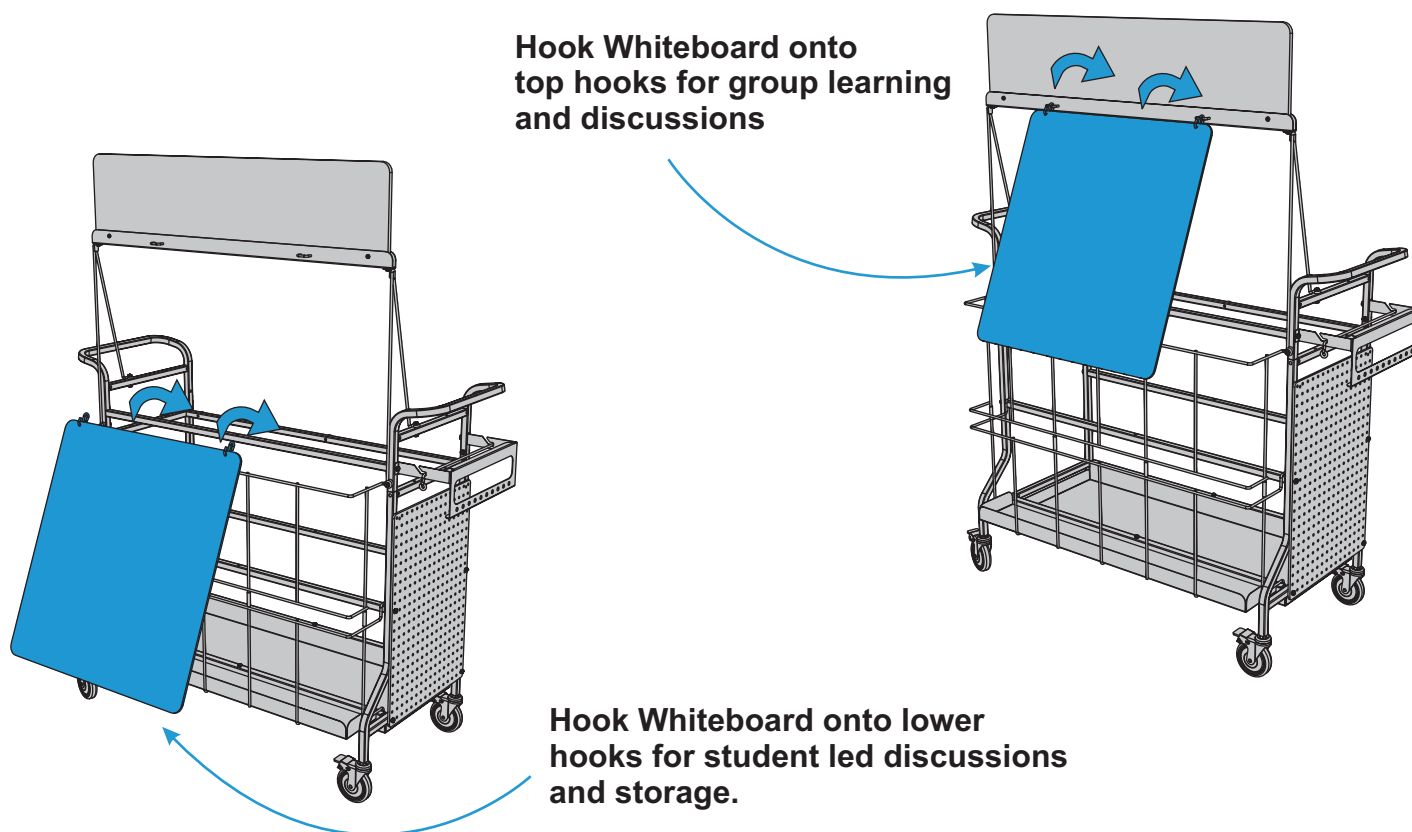
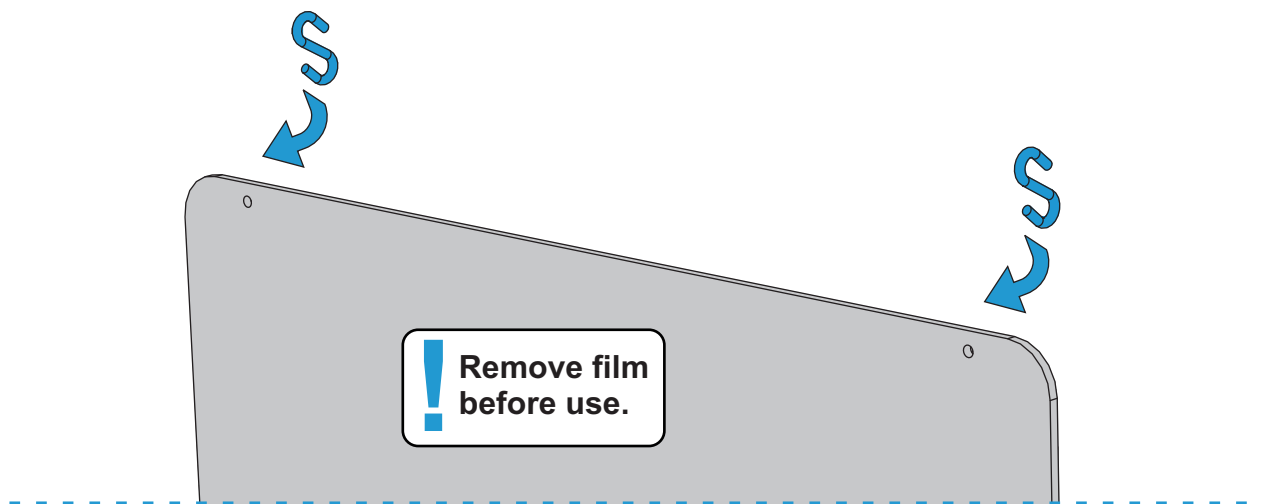
You will need: (Not to Scale)



White Board
1x

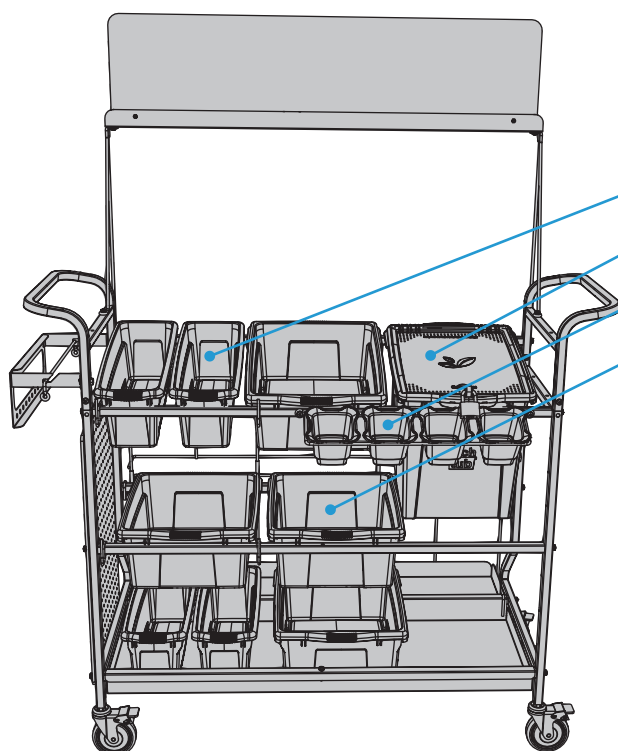
Install White Board onto STEM Maker Station

Attach 'S' Hooks onto White Board, then hook board on top wire of Cardboard Holder.



You will need: (Not to Scale)

Install Tubs into STEM Maker Station



STEM100

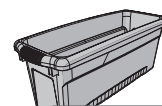
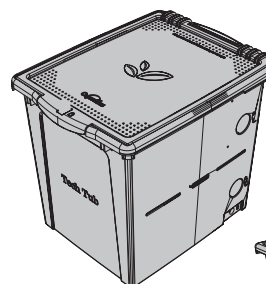
Premium Tub Pack

4x Small Tub

1x Tech Tub

4x Tiny Tub

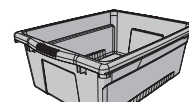
4x Open Tub



5 lbs Weight Limit



10 lbs Weight Limit



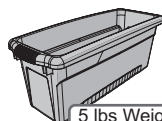
2.5 lbs Weight Limit

Base Tub Pack

4x Small Tub

4x Tiny Tub

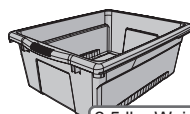
4x Open Tub



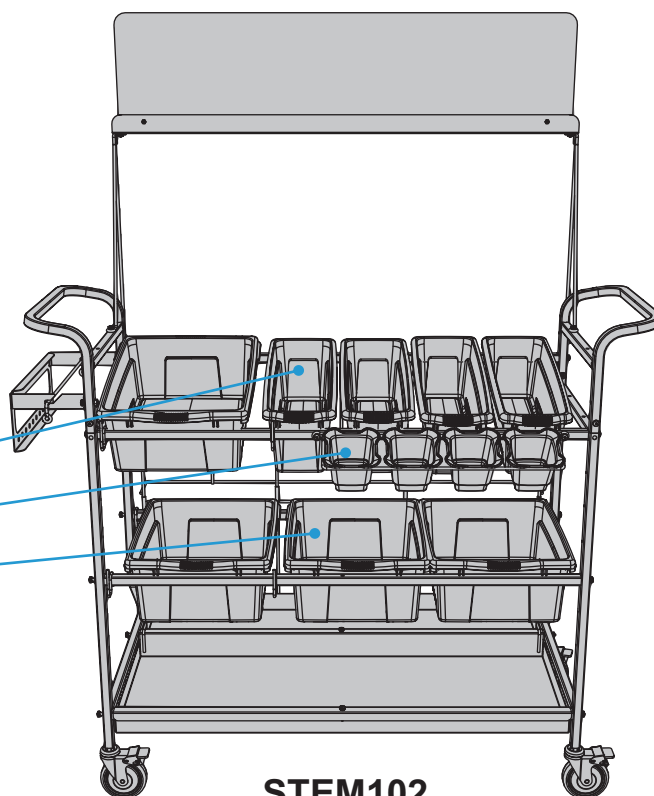
5 lbs Weight Limit



10 lbs Weight Limit



2.5 lbs Weight Limit



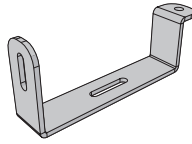
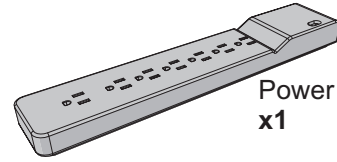
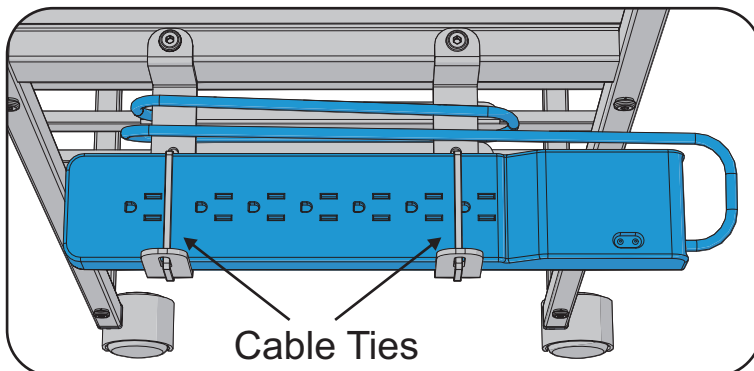
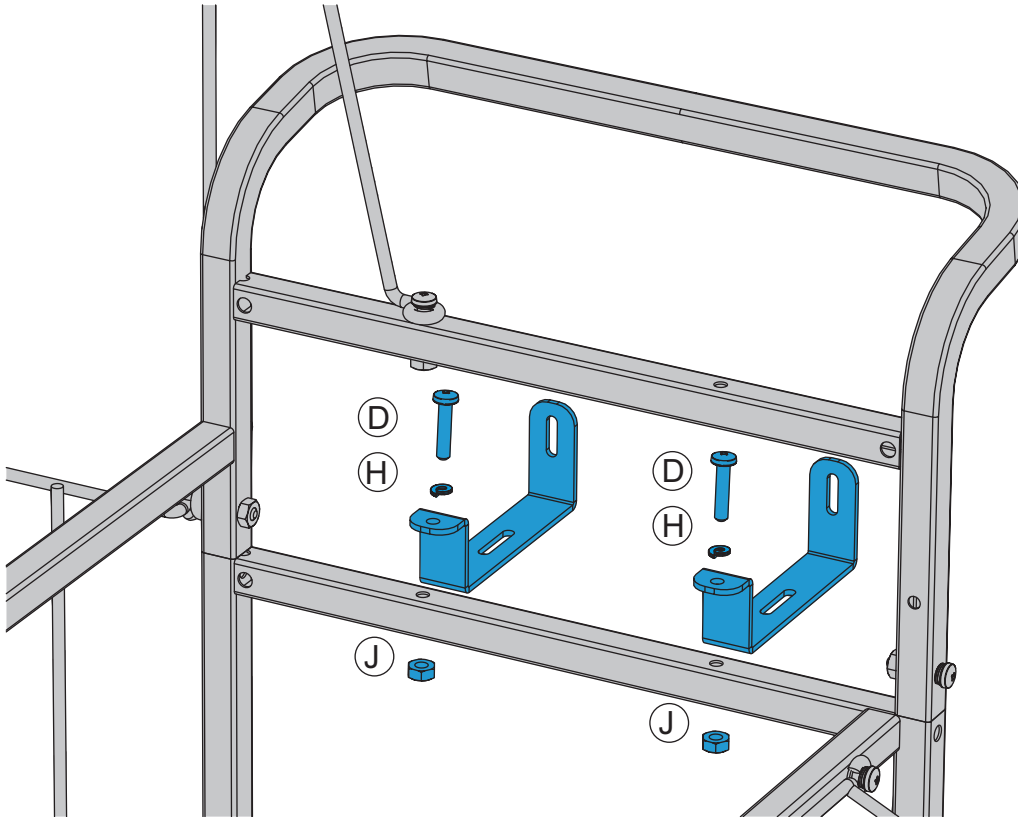
STEM102



Actual Size:

D
2xH
2xJ
2x

You will need: (Not to Scale)

Power Bar Holder
2xCable Tie
2xPower Bar
x1**OPTIONAL: Install Powerbar & Bracket if purchased.**

★ Secure power bar with Cable Ties, being sure not to obstruct outlets

★ Wrap the excess power bar cord around the hooks like shown below





Assembly Guide STEM100_STEM102_2014_B

Check out our other products online at
www.copernicused.com

For assistance, please contact us:

1-800-267-8494

Email info@copernicused.com

Have your packing slip ready for reference

Dear Educator,

Thank you for purchasing one of our products.

I hope the assembly of your STEM Maker Station went well.

If you have any questions, or concerns, or ideas for how we can improve, please call us at 1-800-267-8494, where someone will be happy to help.

Enjoy using your new product, and happy teaching,

Jim Phillips
President

Quality schools are the
result of quality teachers
going above and beyond
the call of duty.

VICKI CARUANA

In everyone's life at some
time our inner fire goes
out. It is then burst into
flame by an encounter
with another human
being. We should all be
thankful for those people
who rekindle the inner
spirit.

ALBERT SCHWEITZER

My idea of education is
to unsettle the minds of
the young and inflame
their intellects.

ROBERT MAYNARD
HUTCHINS

Nothing has a better
effect upon children than
praise.

SIR PHILLIP SIDNEY

Touchboards

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