

VRC301

Virtual Reality (VR) Storage Cart - holds 24 all-in-one headsets



Assembly Guide

VRC301_2020_A

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

For assistance, please contact us:

1-800-267-8494

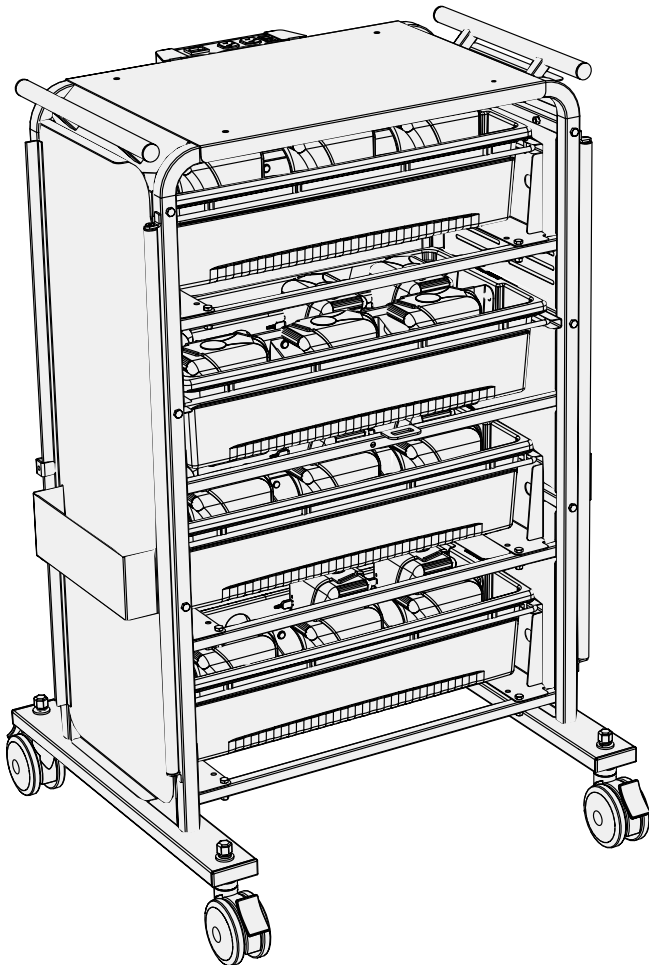
Email info@copernicused.com

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.



Please Recycle

Released February 14, 2020 - Copernicus Educational Products Inc.



Assembly Guide

VRC301_2020_A

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www.copernicused.com

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1-800-267-8494

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Dear Educator,

Thank you for purchasing the VR Storage Cart. We hope it meets all your expectations and you and your students enjoy using it in your school.

If you have any questions, concerns or ideas on how we can improve please let us know by contacting our Customer Solutions Ninjas at 1-800-267-8494 or info@copernicused.com.

Happy teaching,

Kaylyn Belcourt
 President

We do not inherit the earth from our ancestors, we borrow it from our children.	Change is the end result of all true learning.	What you leave behind is not what is engraved in stone monuments, but what is woven into the lives of others.	Education is the most powerful weapon which you can use to change the world.
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LEO BUSCAGLIA

NORTH AMERICAN

PROVERB

PERICLES

NELSON MANDELA

**Life
Time**
 All Components

Register your Product

Registering your warranty ensures we have all the information we need to make any future warranty claims quick and easy. Please visit www.copernicused.com/warranty and complete the form within 10 business days from product assembly. By registering your product, you will be entered into a draw to win Copernicus product.

Make a Warranty Claim

We offer a Lifetime Warranty on almost everything we make. Please call 1-800-267-8494 or email info@copernicused.com to start your warranty claim. Proof of purchase will be required upon warranty claim (i.e. copy of invoice).



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.



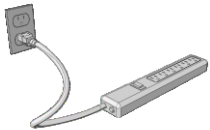
Adult
Supervision

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



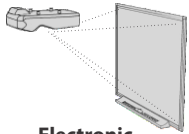
Indoor Use
Only

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.



Power Strip
Specifications

Read your power strip electrical specifications. Only plug in devices that are approved for use with this power strip. Connect the supplied power strip directly to a wall outlet. **Do not connect to another power strip or use an extension cord.** Unplug when not in use. **Do not leave this product plugged in for more than 72 consecutive hours.** Turn off power strip before unplugging.



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 lightning 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:

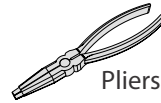
Additional tools required:



OR

7mm or 9/32" (x2)
Wrench

+

**Contents - VRC301 - 0**

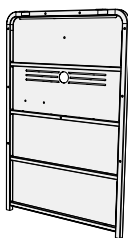
Front Doors

1x



Back Panel

1x



Cable Hook

(34091)

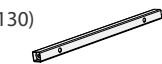
2x



Side Stretcher

(33130)

x4



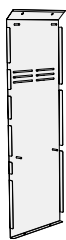
Handle

2x

**Contents - VRC301-1**Side Panel
Left

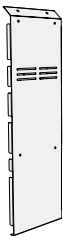
(32232)

1x

Side Panel
Right

(32233)

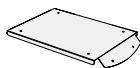
1x



Top Shelf

(32234)

1x

Channel
Stretcher

(33133)

2x



Tub Rack

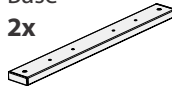
(31093)

4x



Base

2x

Hook & Loop
Straps

(43321)

4x



Caster Wrench

(32095S)

1x

4" Caster
With Brake

(410111)

4x



Keys

x2



7/16" Hex Wrench

(320950)

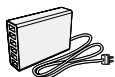
2x

**Contents - VRC301-AC**

6 Port USB Hub

(255147)

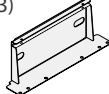
4x



Tub Rack Channel

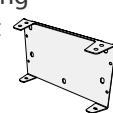
(33153)

6x

Power Timer
Mounting
Bracket

(321012)

1x



Device Divider 02

(32262)

4x



Device Divider 01

(32261)

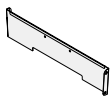
4x



Tub Divider

(32263)

4x

Power Timer
Cover

(32101)

1x



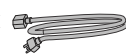
Power Timer

(25526)

1x

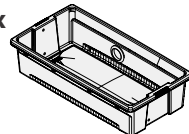
15' Power
Timer Cable

1x

**Contents - VRC301-CB**

Headset Tub

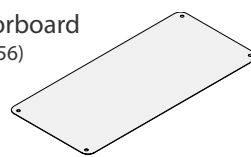
4x



Floorboard

(33156)

1x

Hardware
Actual Size

A

M4 Lock Nut

(432092)

8x



B

1/4-20 x 2"

(430207)

4x



C

1/4" Lock Nut

(430101)

16x



D

1/4-20 x 1.5"

(430206)

12x



E

1/4" Nut

(430111)

43x



F

1/4-20 x 1.0"

(430205)

16x



G

1/4" Star Washer

(4301022)

90x



H

M4 x 20mm

(432120)

8x



I

M5x7mm
Thumb Nut

(432140)

4x

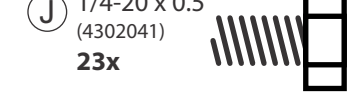


J

1/4-20 x 0.5"

(4302041)

23x

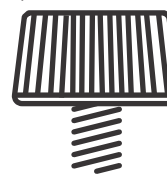


K

M6x15mm
Thumb Screw

(43216)

2x

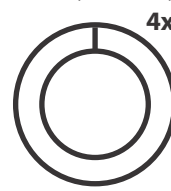


L

1/2" Lock Washer

(43010211)

4x

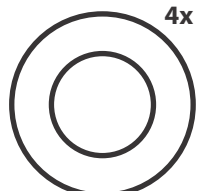


M

1/2" Flat Washer

(4301981)

4x



N

Rivet
Ratcheting

(420134)

16x



O

M12 Cap Nut

(432773)

4x



P

Nylon
Washer
1/2"

(4303202)

16x



Tips for Assembly

Watch for These Helpful Symbols

This symbol denotes a 2-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 in bulk.
- 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.

 Please note, star washers are critical components for electrical safety. Star washers must be included and fasteners fully tightened to prevent the risk of electric shock..



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 this product:

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 info@copernicused.com

**Need Tech Support?
Have a Question?**



Email our Tech Support Service

**Check out some of our
other great products!**



www.copernicused.com

1

Actual Size:

(E) 1/4" Nut
6x

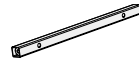


(G) 1/4" Star Washer
6x



You will need: (Not to Scale)

Side Stretcher
4x



Back Panel

1x

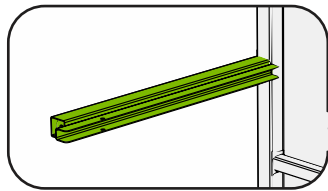


Channel Stretcher
2x

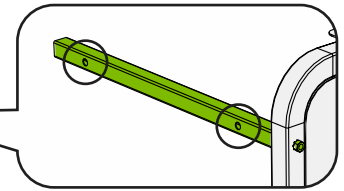
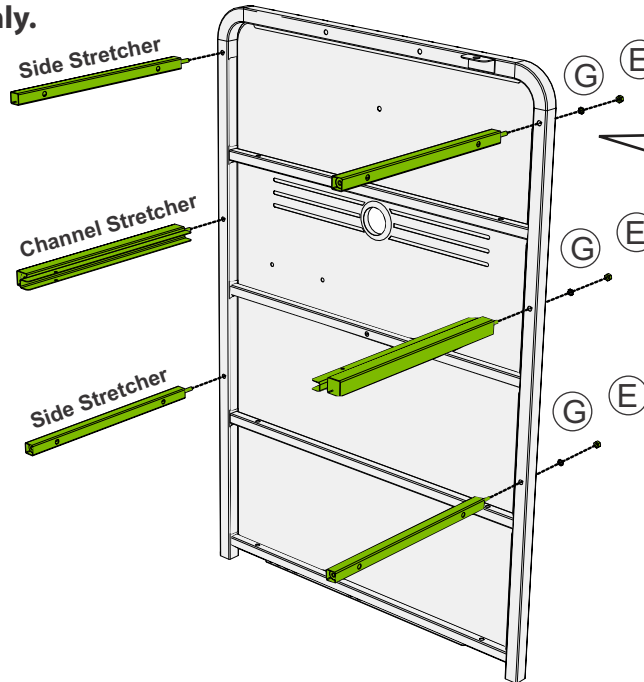


Attach Stretchers to Back Frame

Finger tighten hardware only.



! Pay attention to channel orientation.



! Pay attention to hole orientation.

! Important electrical safety component.
(G) 1/4" Star Washer x6

2

Actual Size:

(G) 1/4" Star Washer
6x



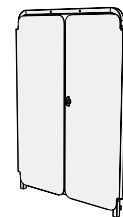
(D) 1/4-20 x 1.5"
6x



You will need: (Not to Scale)

Front Doors

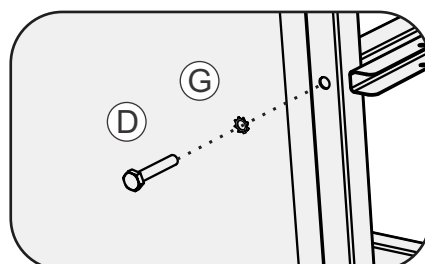
1x



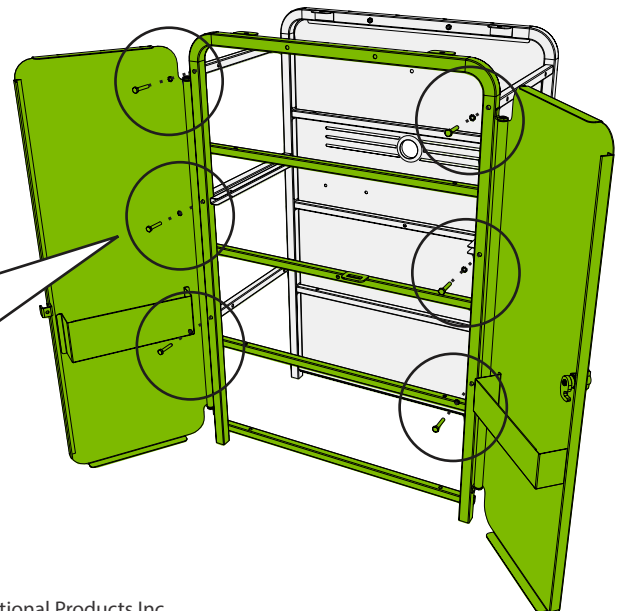
Assemble Front Doors to Stretchers

Finger tighten hardware only.

! Important electrical safety component.
(G) 1/4" Star Washer x6



Repeat 6X

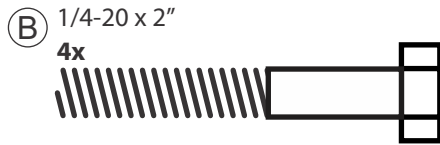


3

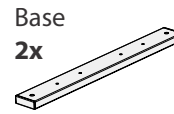


2-Person Task

Actual Size:

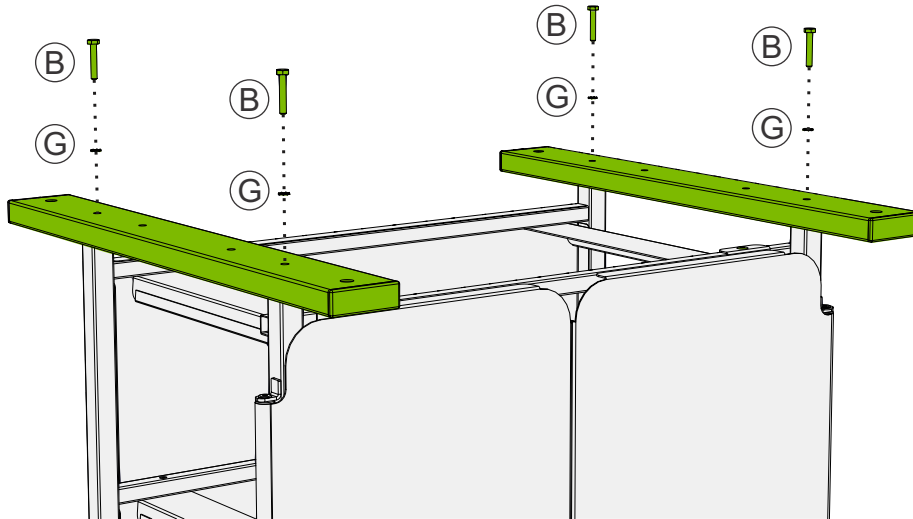


You will need: (Not to Scale)



Assemble Bases to Frame

Flip over cart. Make sure side frame stretchers are loose to allow for feet to be attached.



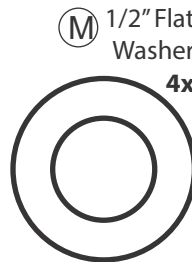
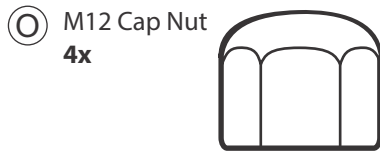
★ First thread each bolt 3 full turns. Once all bolts are in place, fully tighten hardware.

Important electrical safety component.

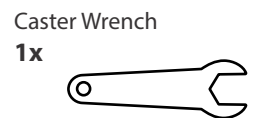
(G) 1/4" Star Washer x4

4

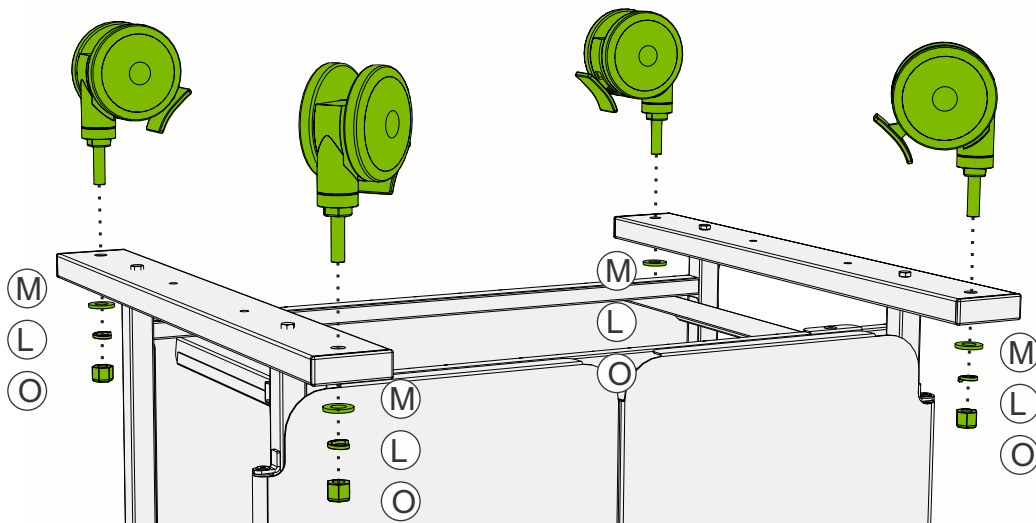
Actual Size:



You will need: (Not to Scale)



Attach Casters to Frame



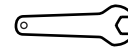
5

Actual Size:

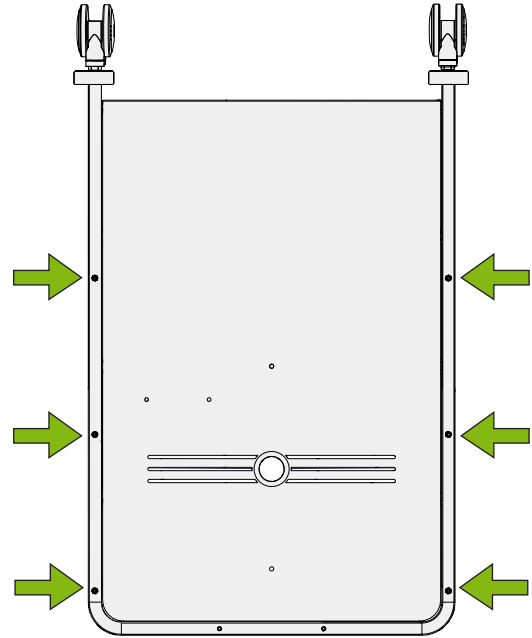
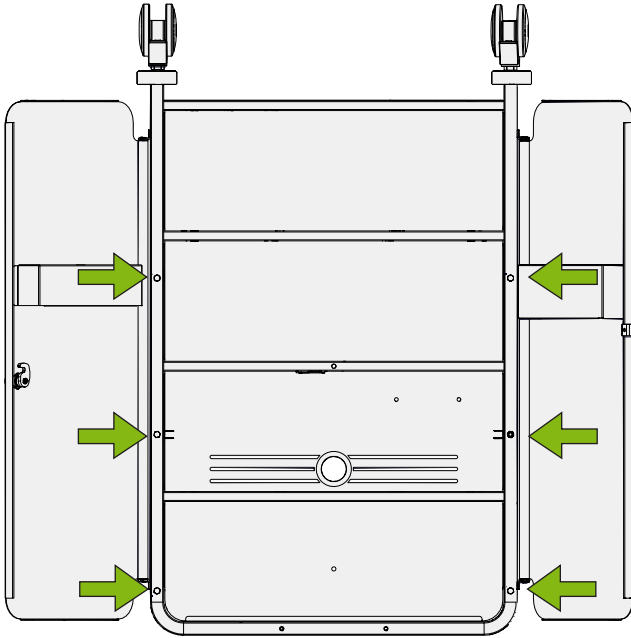
You will need: (Not to Scale)

7/16" Hex Wrench

1x



Fully tighten hardware on front and back of frame



6

Actual Size:

Ⓒ 1/4" Star Washer
6x



Ⓐ 1/4-20 x 0.5"
2x



Ⓔ 1/4" Nut
2x



You will need: (Not to Scale)

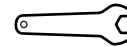
Cable Hook

2x



7/16" Hex Wrench

2x



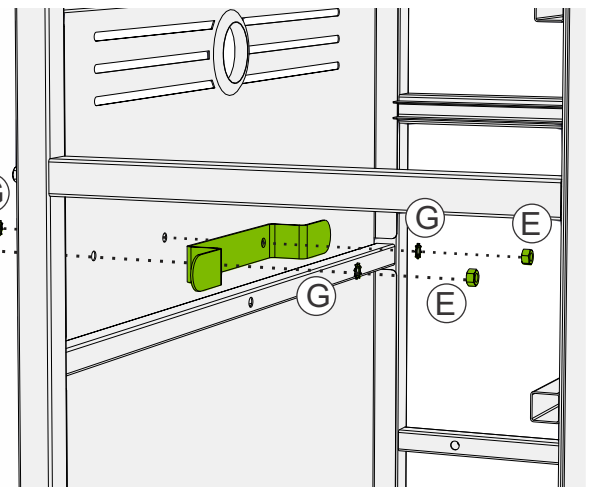
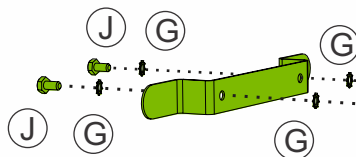
2-Person Task

Flip cart right side up. Attach Cable Hooks to Back Frame
Fully tighten hardware.



Important electrical safety component.

Ⓒ 1/4" Star Washer
x6



7

Actual Size:

Ⓓ 1/4-20 x 1.5"

4x



Ⓔ 1/4" Star Washer

16x



Ⓔ 1/4" Nut

12x



You will need: (Not to Scale)

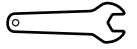
Side Panel
Left
1x



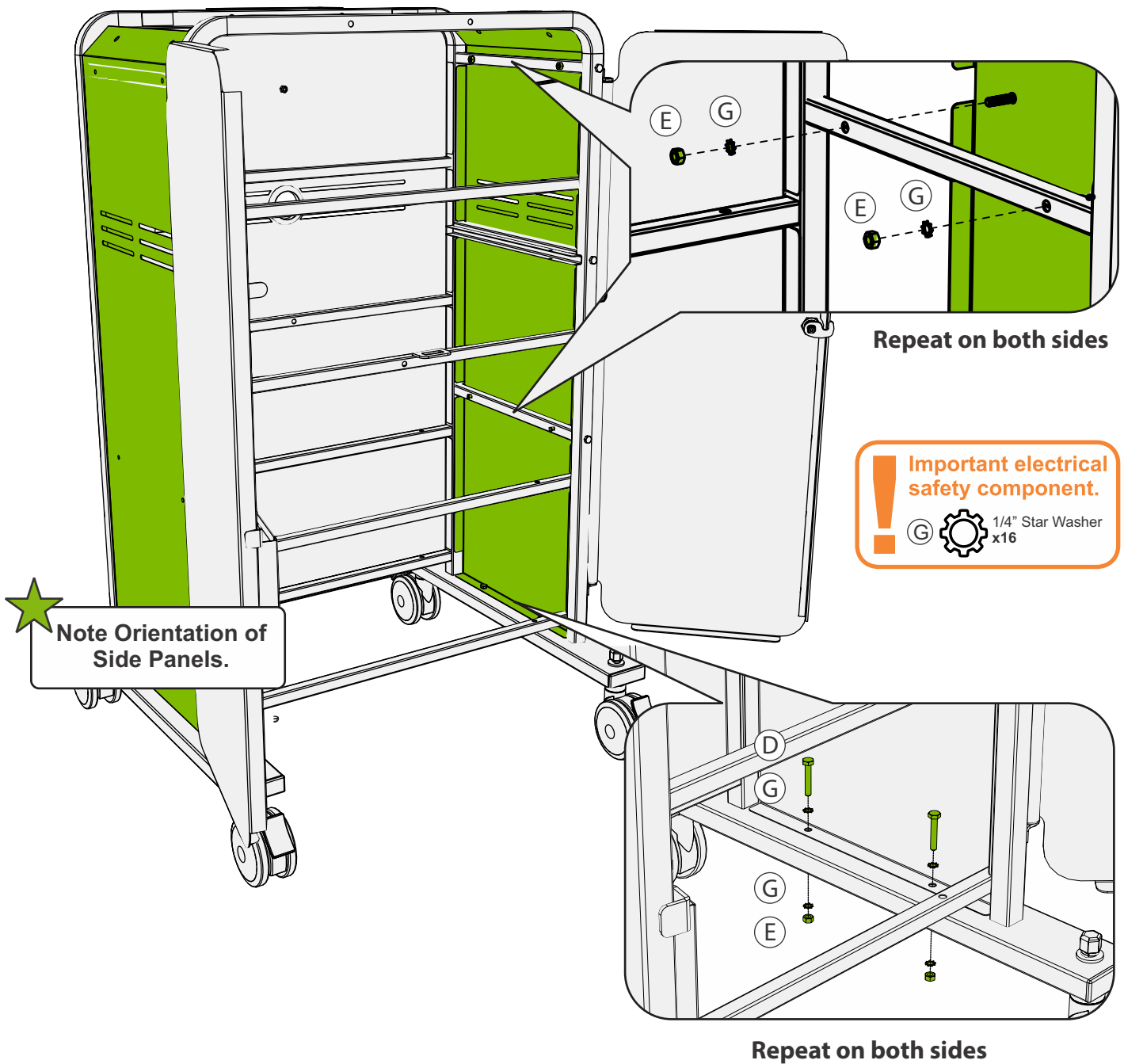
Side Panel
Right
1x



7/16" Hex Wrench
2x



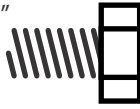
Attach Side Panels to Frame



8

Actual Size:

(J) 1/4-20 x 0.5"
4x



(G) 1/4" Star Washer
8x

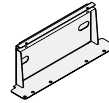


(E) 1/4" Nut
4x

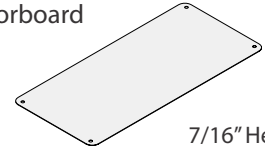


You will need: (Not to Scale)

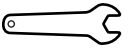
Tub Rack Channel
2x



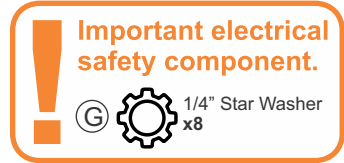
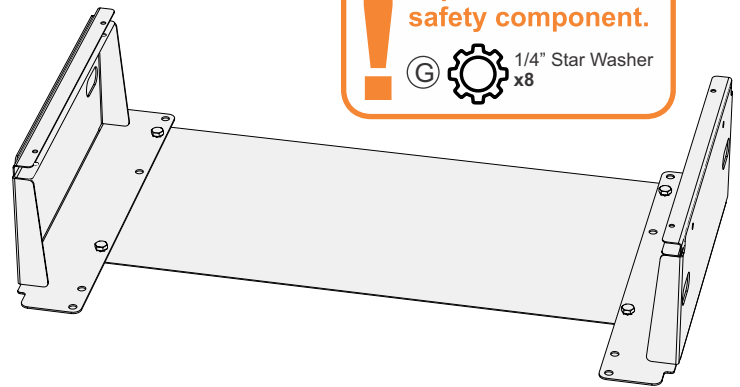
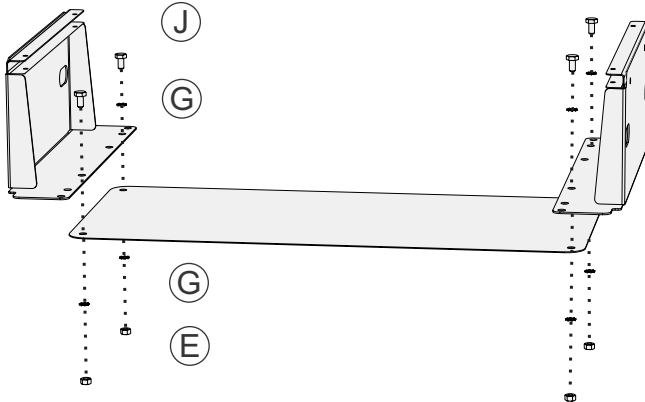
Floorboard
1x



7/16" Hex Wrench
2x



Assemble Tub Rack Channel to Floorboard



9

Actual Size:

(G) 1/4" Star Washer
8x



(F) 1/4-20 x 1.0"
4x

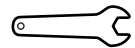


(E) 1/4" Nut
4x



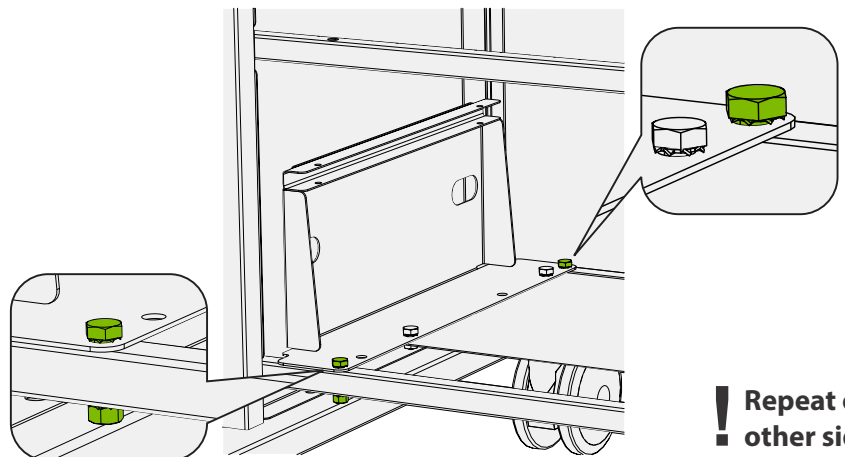
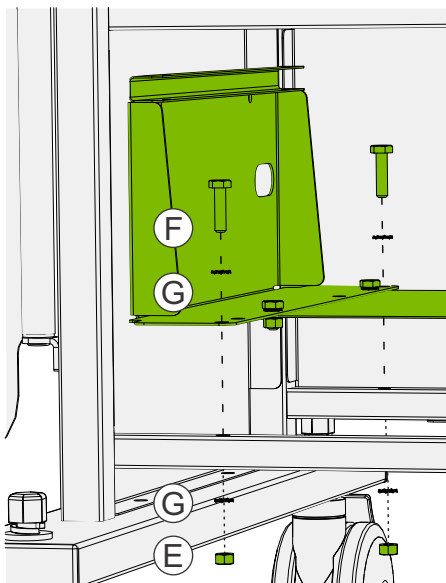
You will need: (Not to Scale)

7/16" Hex Wrench
2x



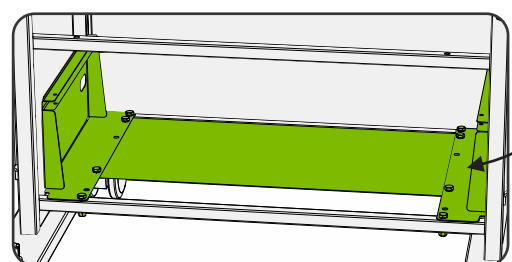
Assemble to Cart

! Bend floorboard to fit in cart.



! Repeat on other side.

! Pay attention to assembly orientation.



10

Actual Size:

(F) 1/4-20 x 1.0"
4x



(E) 1/4" Nut
4x

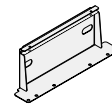


(G) 1/4" Star Washer
8x

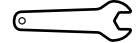


You will need: (Not to Scale)

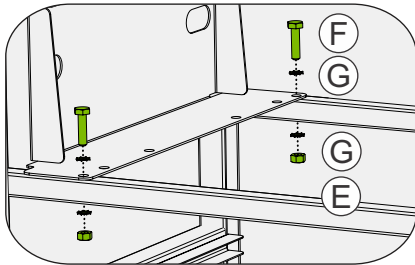
Tub Rack Channel
2x



7/16" Hex Wrench
2x



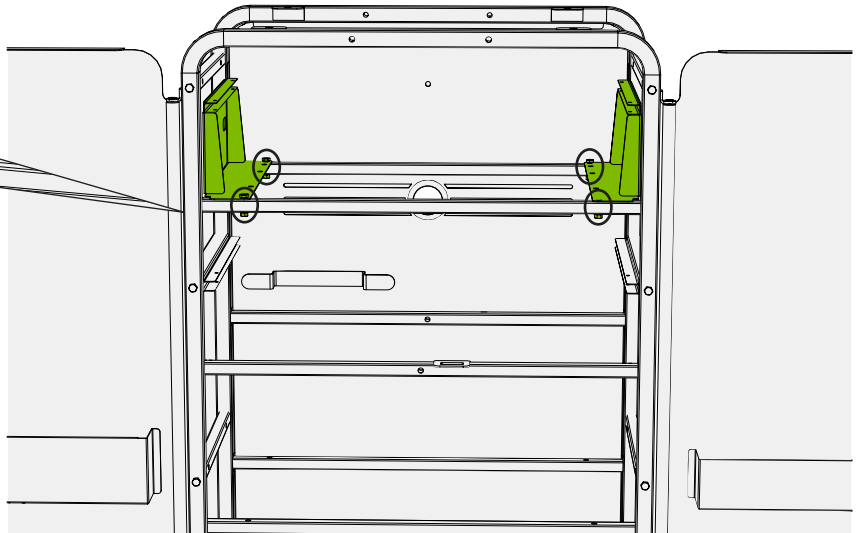
Assemble Tub Rack Channels



2X

Important electrical safety component.

(G) 1/4" Star Washer
x8



11

Actual Size:

(F) 1/4-20 x 1.0"
4x



(E) 1/4" Nut
4x

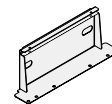


(G) 1/4" Star Washer
8x

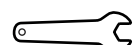


You will need: (Not to Scale)

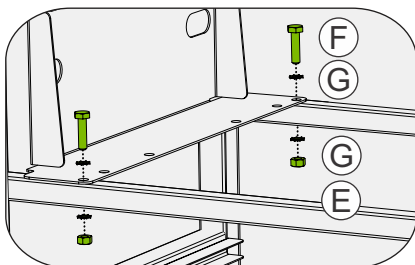
Tub Rack Channel
2x



7/16" Hex Wrench
2x



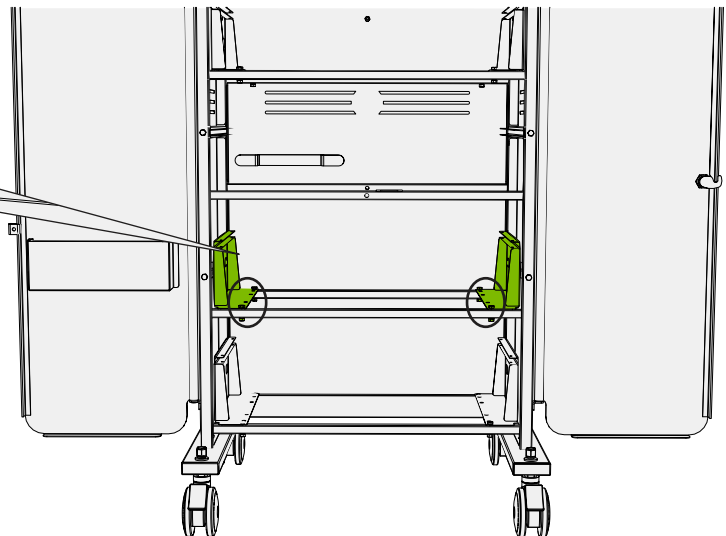
Assemble Tub Rack Channels



2X

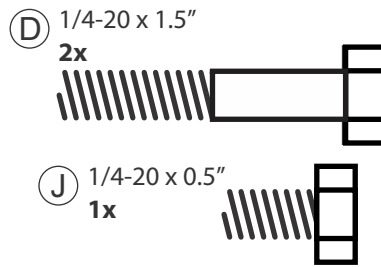
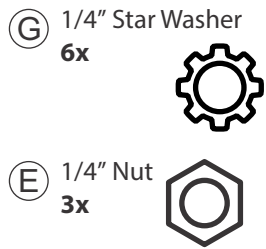
Important electrical safety component.

(G) 1/4" Star Washer
x8

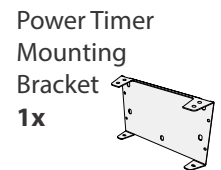
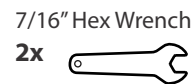


12

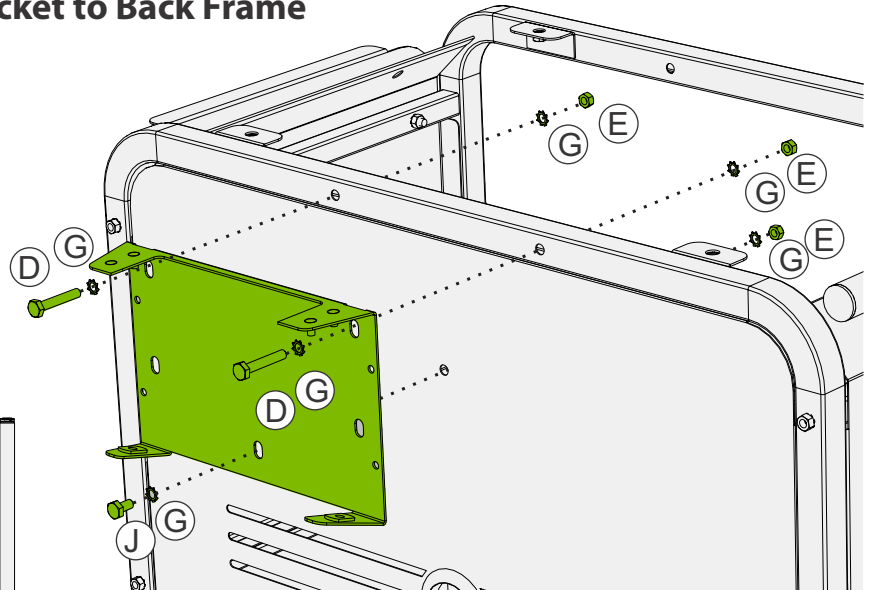
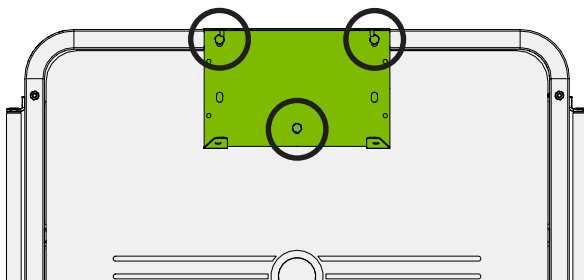
Actual Size:



You will need: (Not to Scale)



Attach Power Timer Mounting Bracket to Back Frame

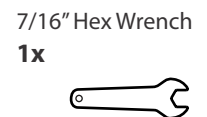


13

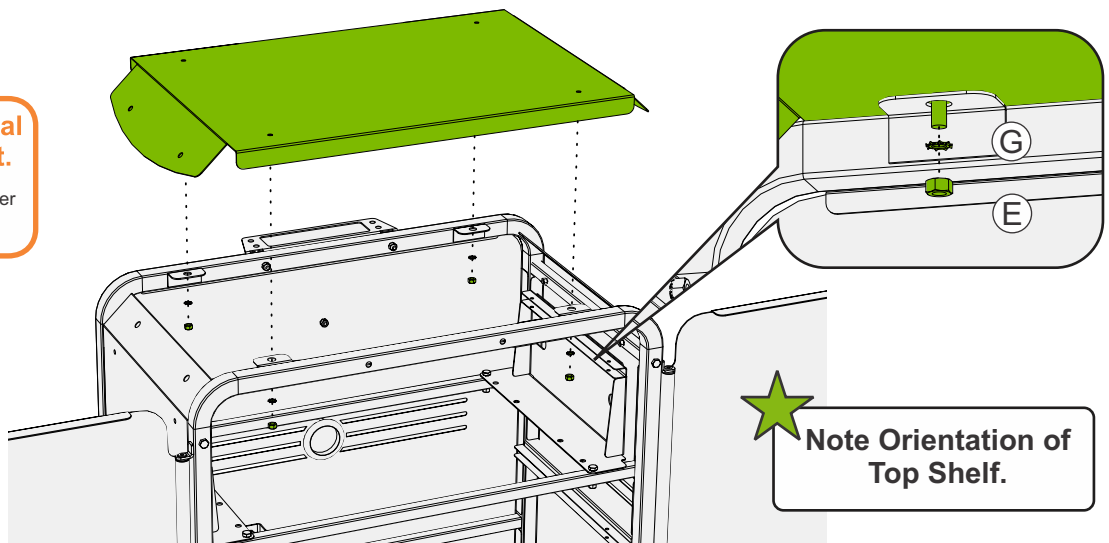
Actual Size:



You will need: (Not to Scale)



Attach Top Shelf to Frame



14

Actual Size:

Ⓒ 1/4" Star Washer
4x



Ⓘ M5x7mm
Thumb Nut
4x



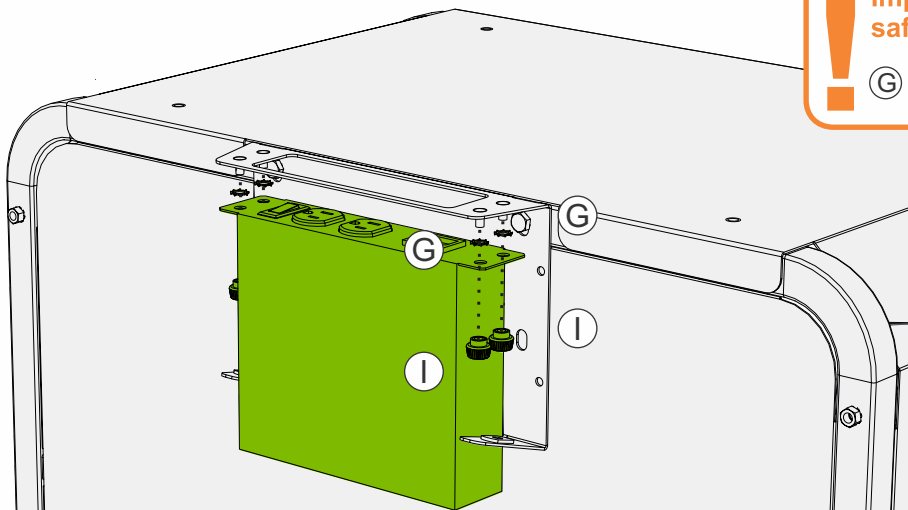
You will need: (Not to Scale)

Power Timer

1x



Install Power Timer onto Power Timer Bracket



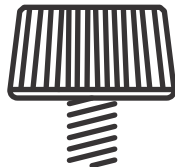
15

Actual Size:

Ⓒ 1/4" Star Washer
2x



Ⓚ M6x15mm
Thumb Screw
2x



You will need: (Not to Scale)

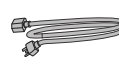
Power Timer
Cover

1x



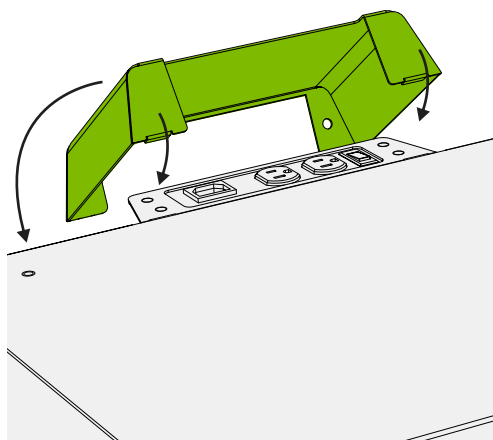
15' Power
Timer Cable

1x

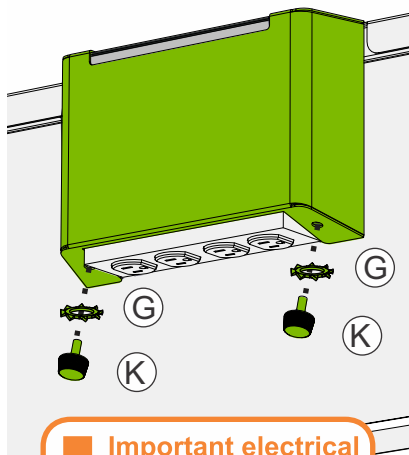


Install Power Front Time Cover

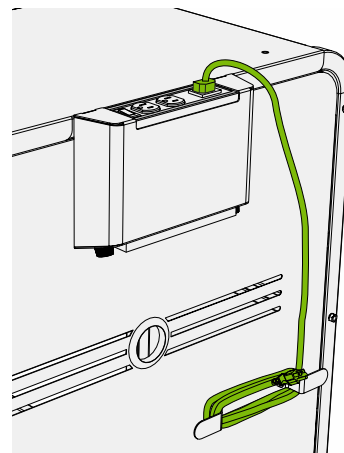
1 Hook top of cover onto mounting bracket then swing down into place.



2 Secure Power Timer Front Cover



3 Insert Power Timer Power Cable into Power Timer



16

Actual Size:

Ⓒ 1/4" Star Washer
4x

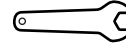


Ⓕ 1/4-20 x 1.0"
4x

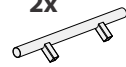


You will need: (Not to Scale)

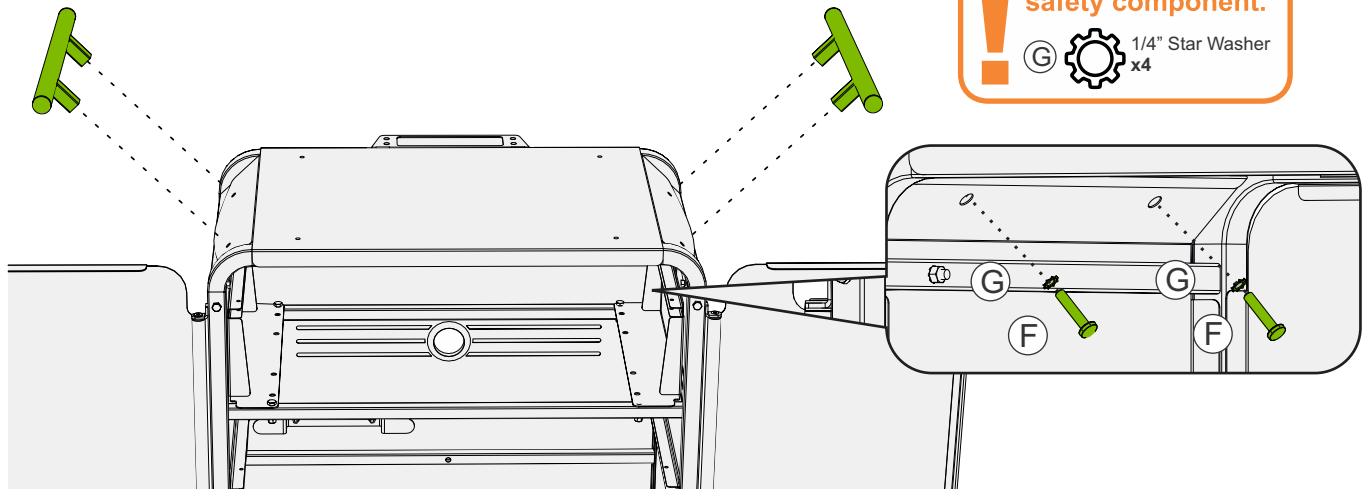
7/16" Hex Wrench
1x



Handle
2x



Attach Handles to cart



Important electrical safety component.

Ⓒ 1/4" Star Washer
x4

17

Actual Size:

Ⓐ M4 Lock Nut
8x

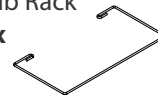


Ⓕ M4 x 20mm
8x



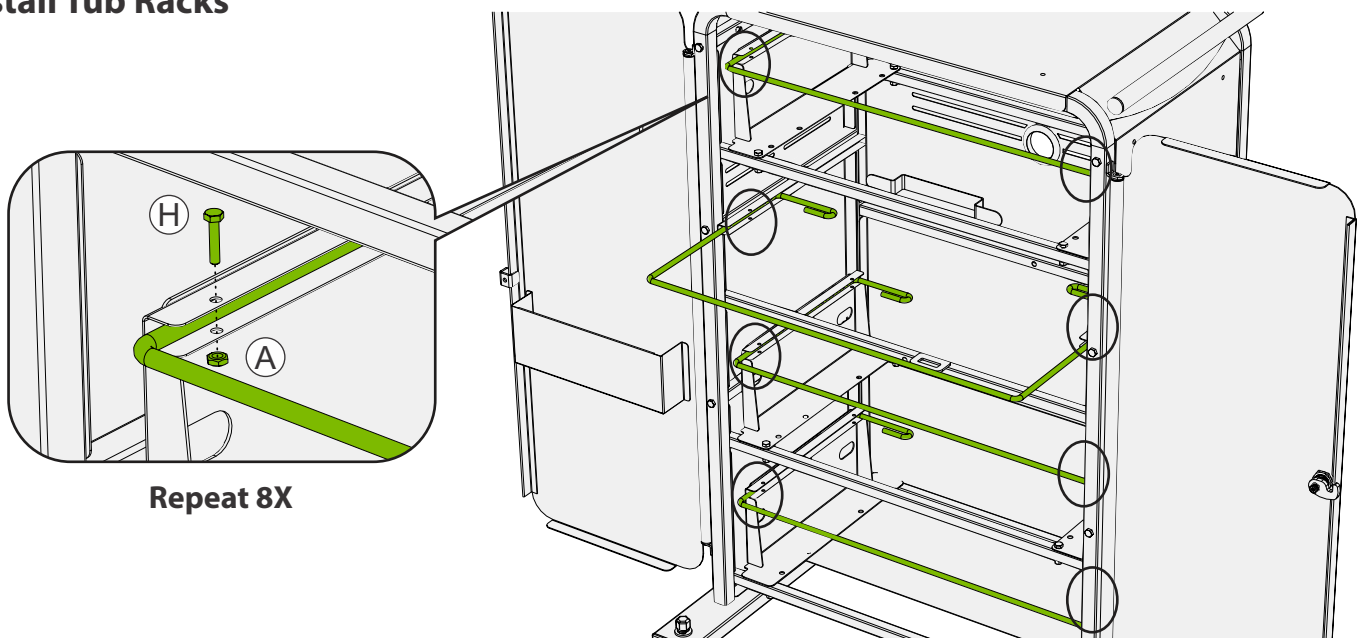
You will need: (Not to Scale)

Tub Rack
4x



Adjustable wrench (x2)
OR
7mm or 9/32" Wrench (x2)

Install Tub Racks



Repeat 8X

18

Actual Size:



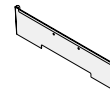
Rivet Ratcheting
16x



Nylon Washer
1/2"
16x

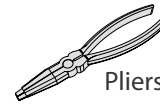
You will need: (Not to Scale)

Device Divider 01
4x



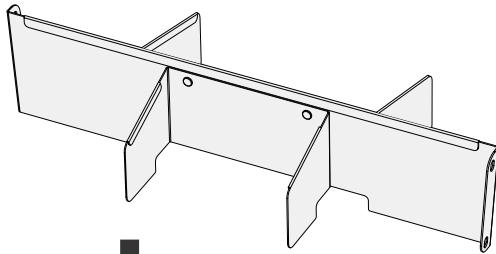
Tub Divider
4x

Device Divider 02
4x

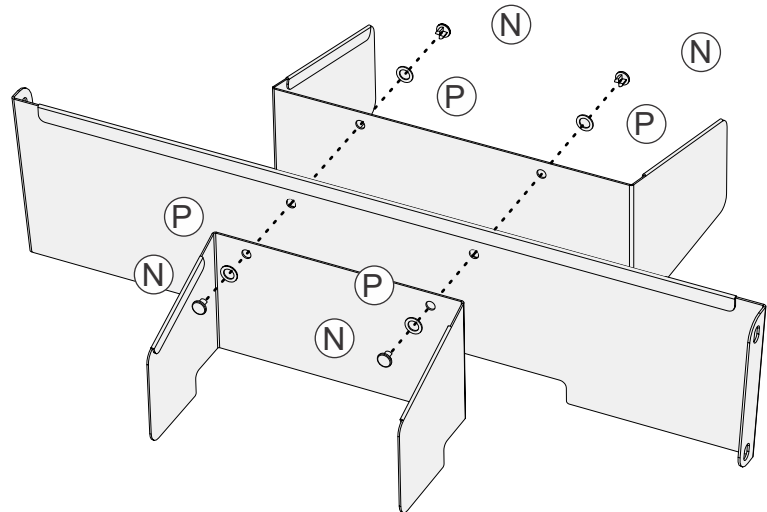


Pliers

Assemble Headset Dividers



! Repeat 4X

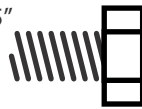


19

Actual Size:



1/4-20 x 0.5"
16x

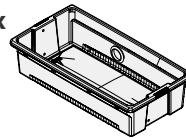


1/4" Lock Nut
16x

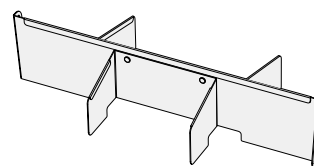


You will need: (Not to Scale)

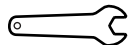
Headset Tub
4x



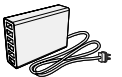
Dividers
4x



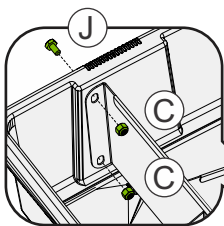
7/16" Hex Wrench
2x



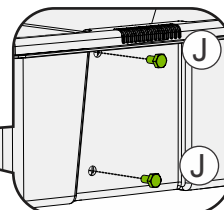
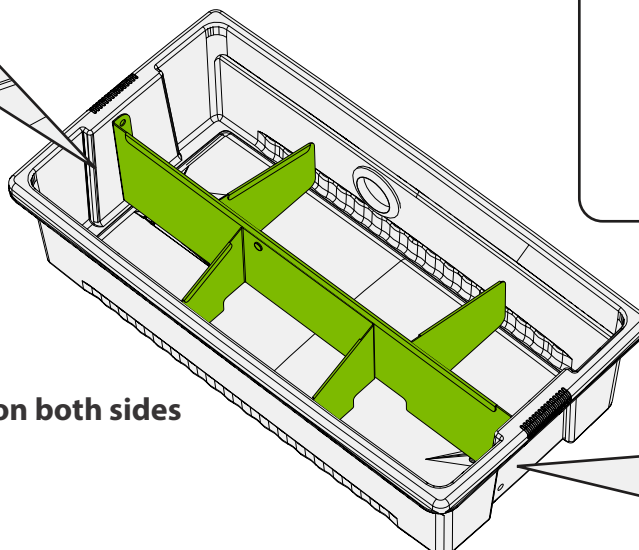
6 Port USB Hub
4x

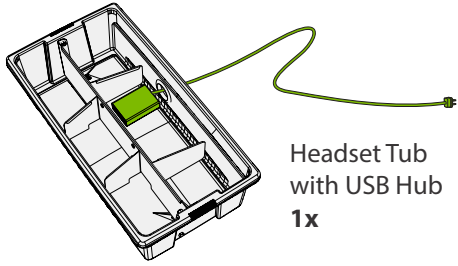


Assemble Dividers into Tub



! Repeat on both sides

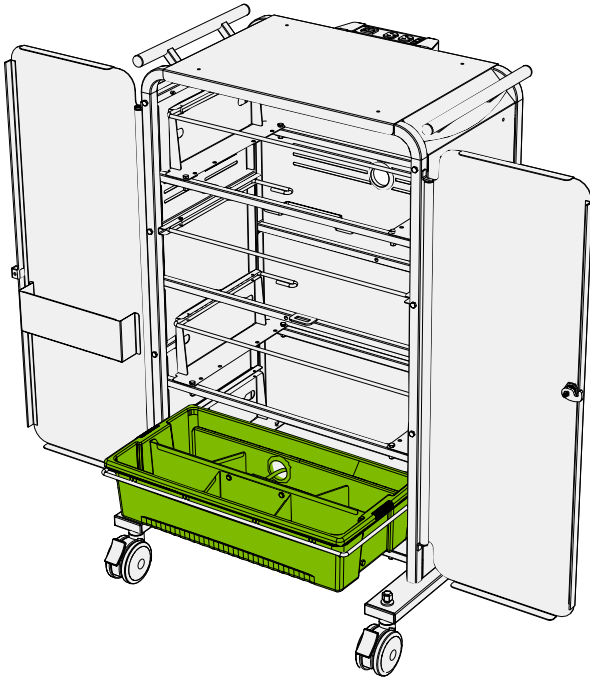




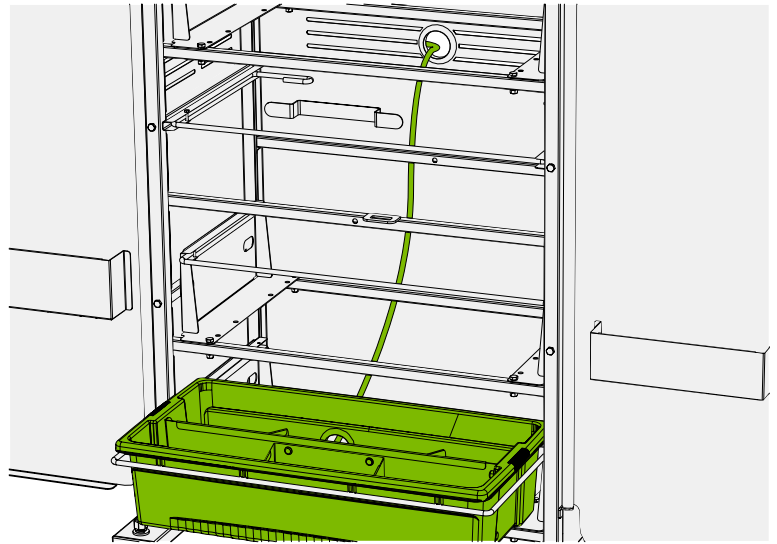
Headset Tub
with USB Hub
1x

Place First Tub in Cart

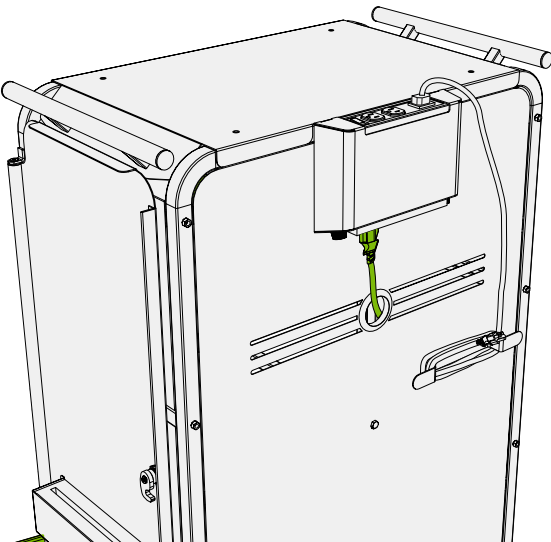
- 1 Pull bottom tub rack out from cart. Insert tub into rack.



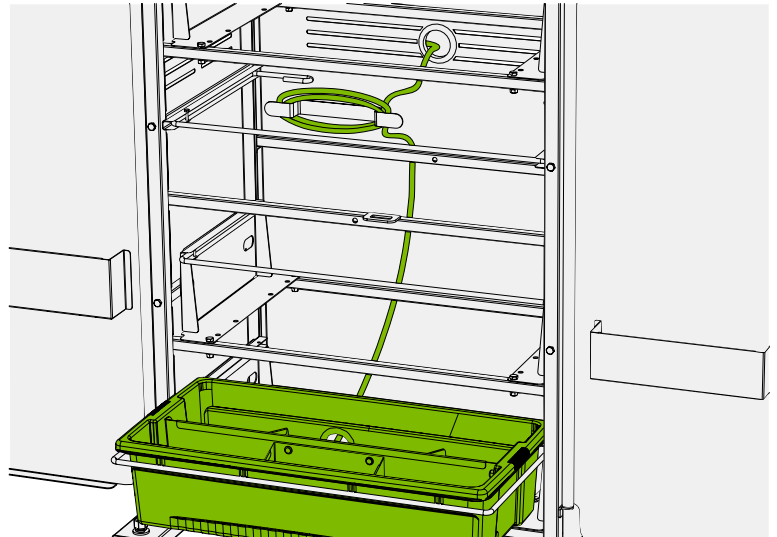
- 2 Route USB Hub cable through grommet on back panel.

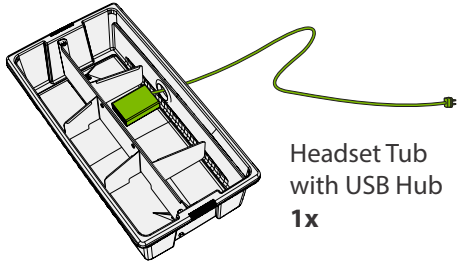


- 3 Plug cable into bottom outlet. Push excess cable length back inside cart.



- 4 With tub rack still pulled out, wrap excess cable length around interior cable hook. Push tub into cart.

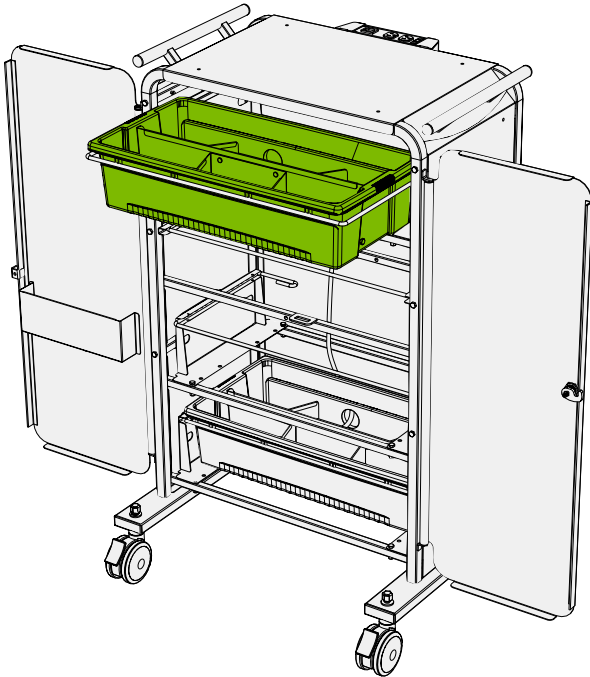




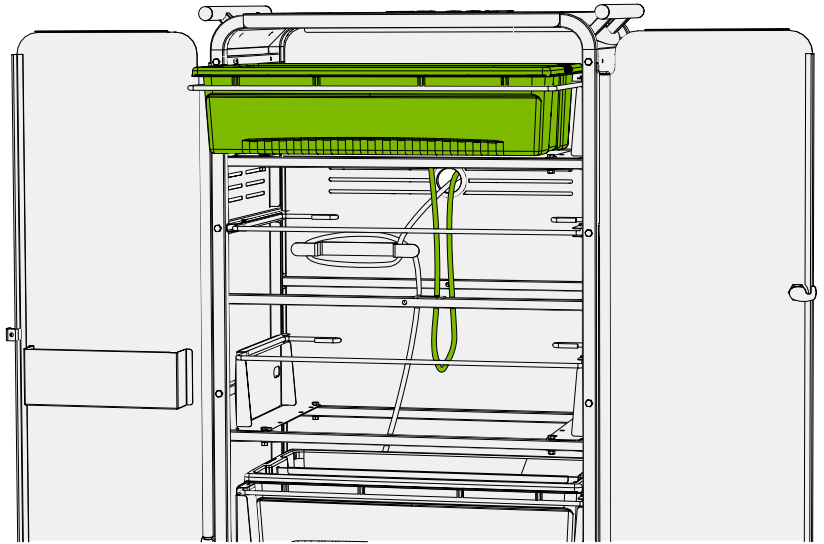
Headset Tub
with USB Hub
1x

Place Second Tub in Cart

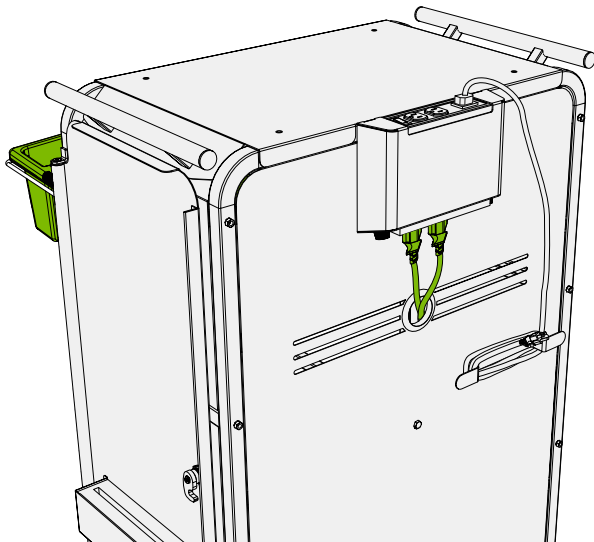
- 1 Pull top tub rack out from cart. Insert tub into rack.



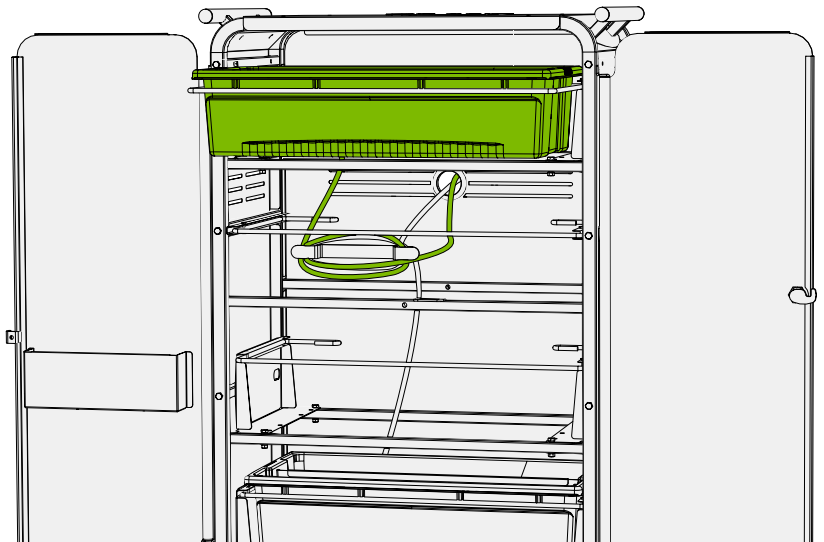
- 2 Route USB Hub cable through grommet on back panel.

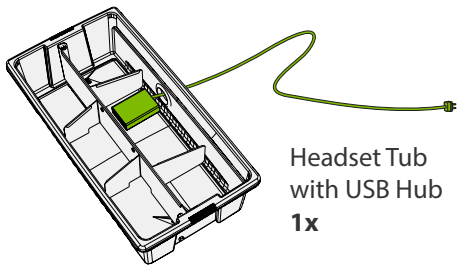


- 3 Plug cable into bottom outlet. Push excess cable length back inside cart.



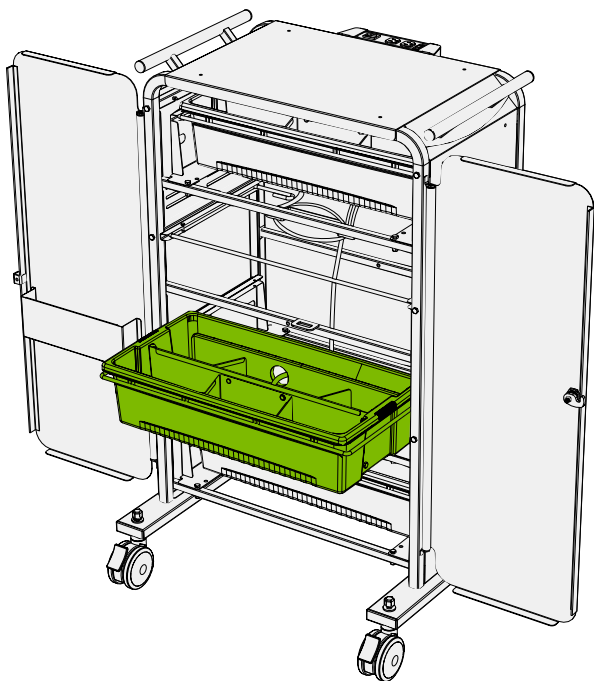
- 4 With tub rack still pulled out, wrap excess cable length around interior cable hook. Push tub into cart.



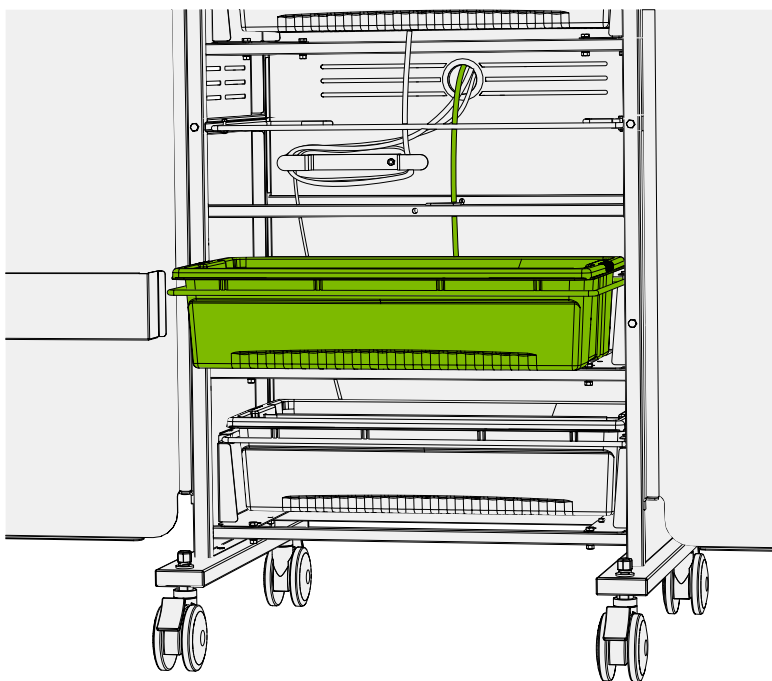


Place Third Tub in Cart

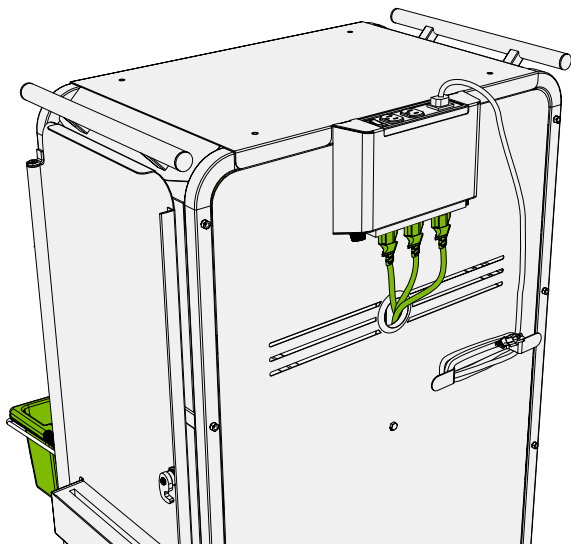
- 1 Pull tub rack out from cart. Insert tub into rack.



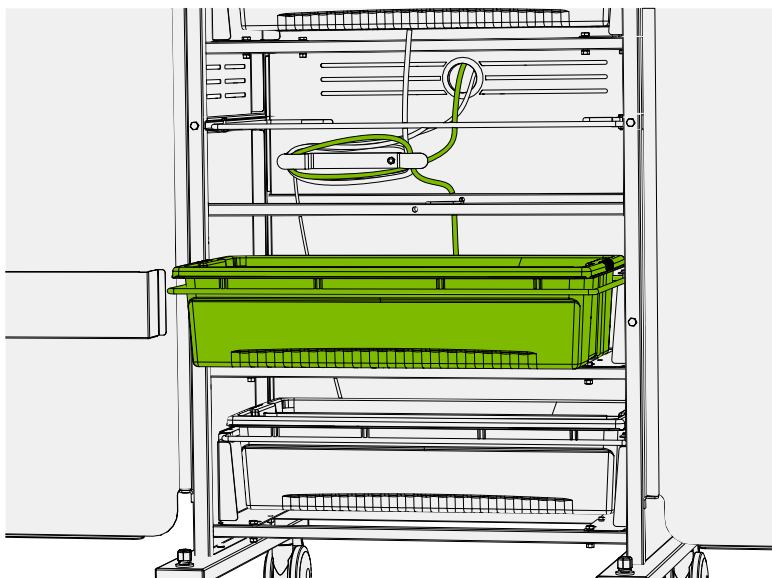
- 2 Route USB Hub cable through grommet on back panel.

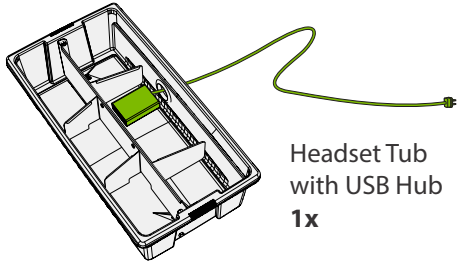


- 3 Plug cable into bottom outlet. Push excess cable length back inside cart.



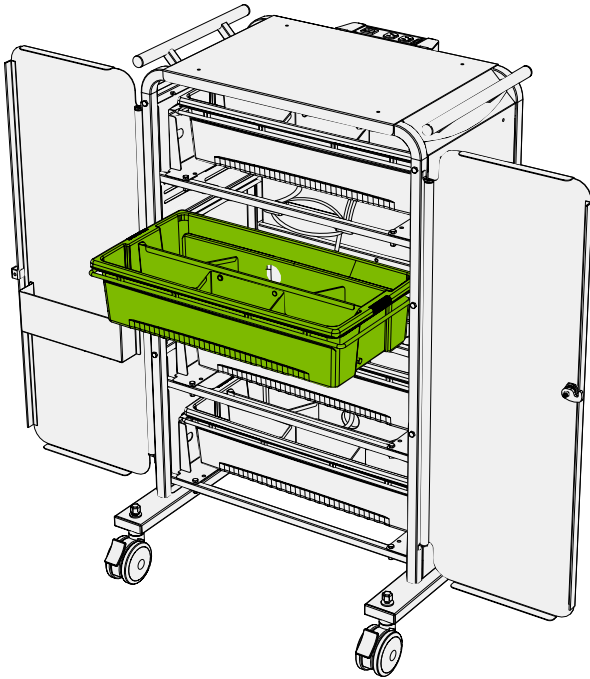
- 4 With tub rack still pulled out, wrap excess cable length around interior cable hook. Push tub into cart.



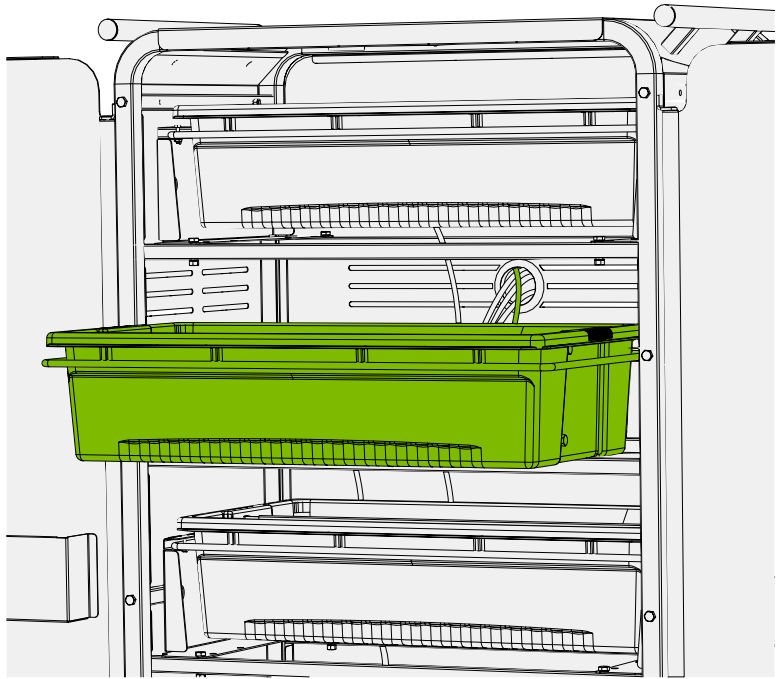


Place Fourth Tub in Cart

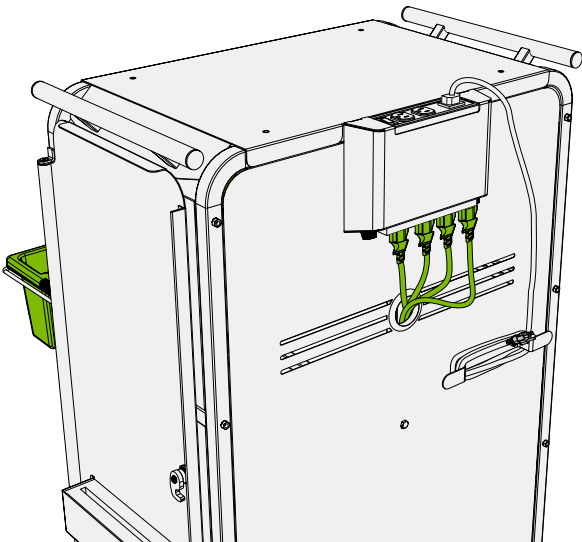
- 1 Pull tub rack out from cart. Insert tub into rack.



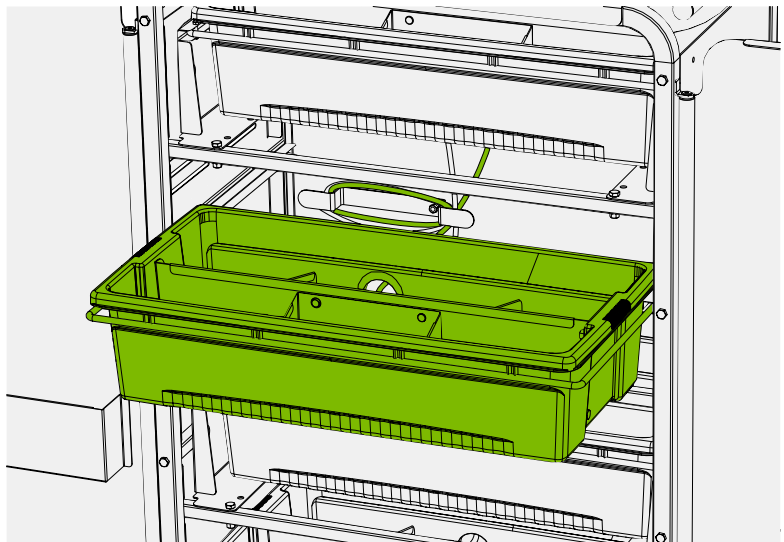
- 2 Route USB Hub cable through grommet on back panel.



- 3 Plug cable into bottom outlet. Push excess cable length back inside cart.

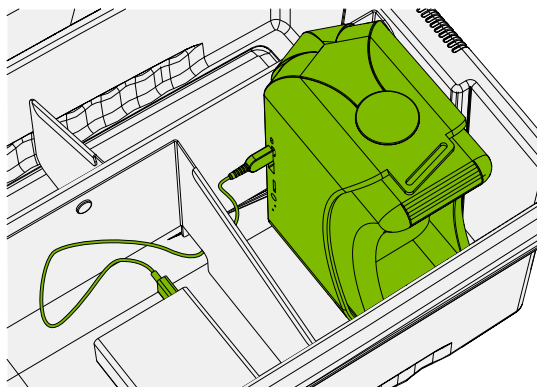
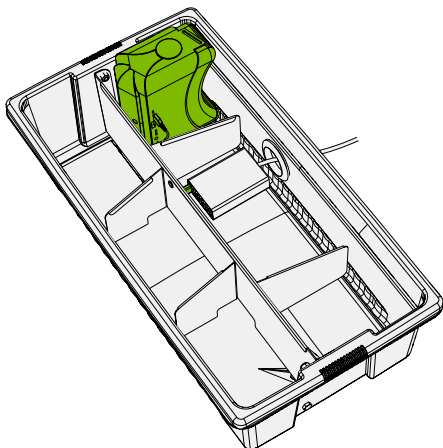


- 4 With tub rack still pulled out, wrap excess cable length around interior cable hook. Push tub into cart.



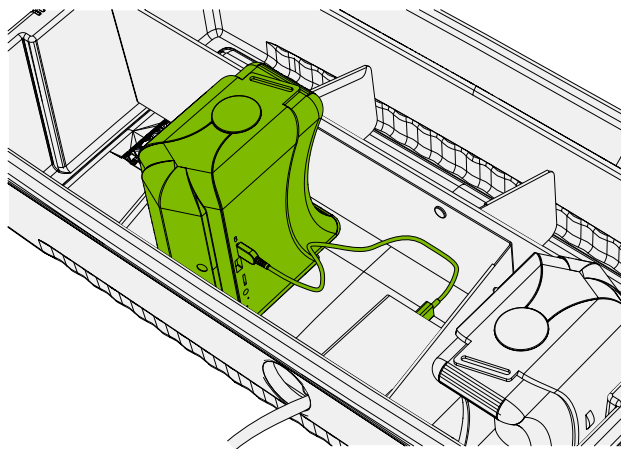
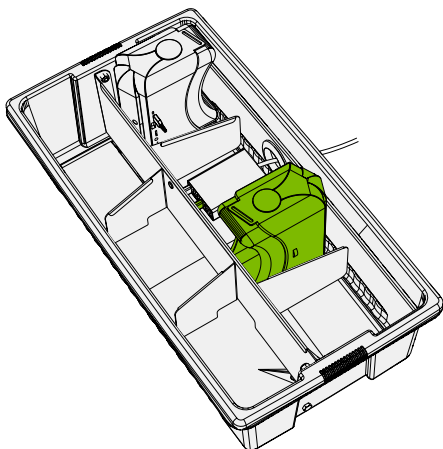
Setup Headsets in Tubs

- 1 Place first headset into tub as shown. Position your headset so that the charging port is facing up (if possible) and towards the USB hub (if possible).

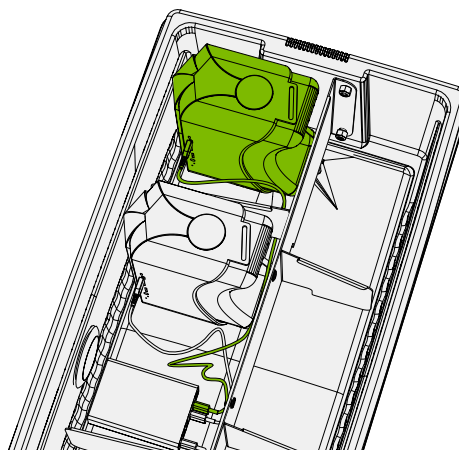


! Push excess cable length into USB hub area. This will be bundled in a later step.

- 2 Place second headset into tub as shown. Position your headset so that the charging port is facing up (if possible) and towards the USB hub (if possible).

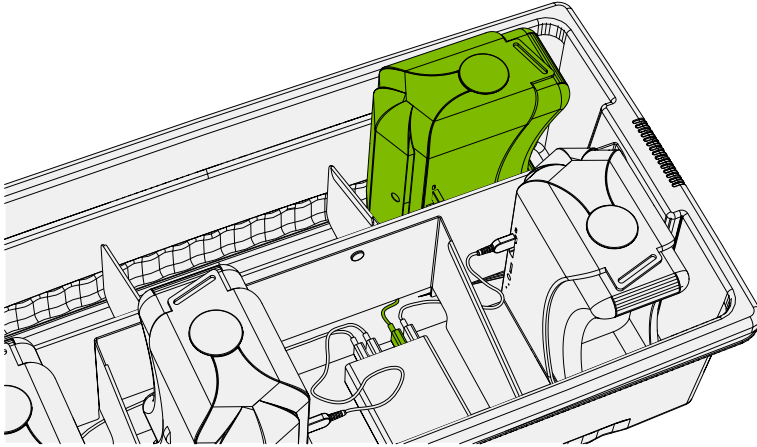


- 3 Place third headset into tub as shown. Position your headset so that the charging port is facing up (if possible) and towards the USB hub (if possible).



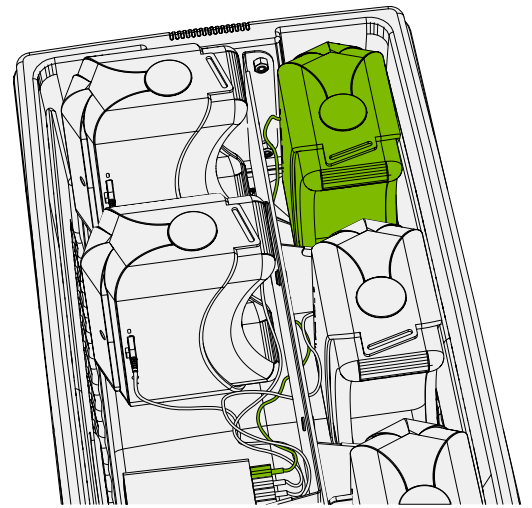
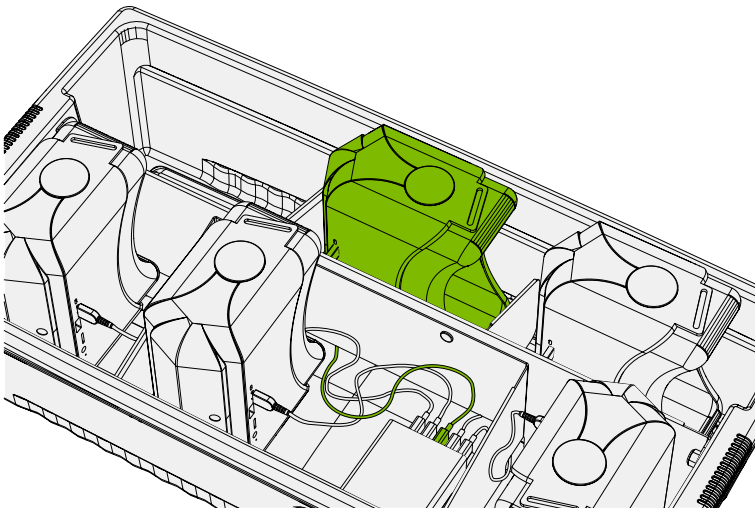
Setup Headsets in Tubs

- 1 Place fourth headset into tub as shown. Position headset with charging port facing up and towards USB hub.



Push excess cable length into USB hub area. This will be bundled with hook-loop in a later step.

- 2 Place remaining headsets in tub as shown. Position headset with charging port facing up and towards USB hub.



25

You will need: (Not to Scale)

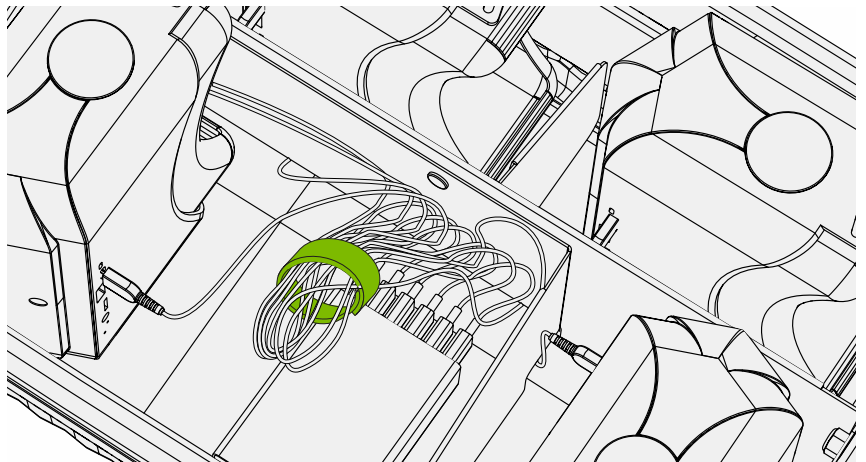
Hook & Loop
Straps
4x



Bundle Excess Cable

Keep cables tidy by bundling extra cable length with the hook-loop straps provided.

Repeat for all tubs.

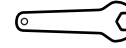


26

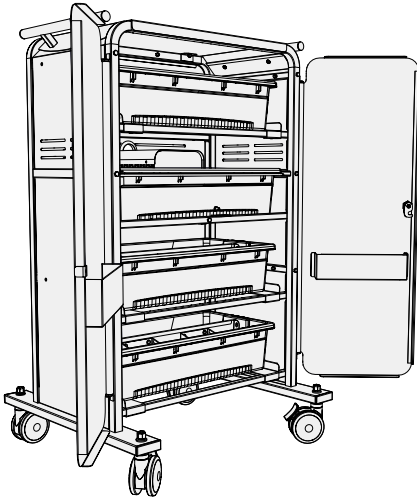
You will need: (Not to Scale)

Adjustable wrench (x2)
OR
7mm or 9/32" Wrench (x2)

7/16" Hex Wrench
2x



Check entire assembly for loose parts; tighten all casters, bolts, screws and nuts



Tighten all casters using supplied Caster Wrench.



Keep wrench with unit.
Casters must be tightened every 6 months for proper maintenance.

27

You will need: (Not to Scale)

Keys
x2

Lock Doors on Cart

