

SWT2

# Sand & Water Sensory Center



## Assembly Guide

SWT2\_2018\_A

Check out our other products online at  
[www.copernicused.com](http://www.copernicused.com)

For assistance, please contact us:

**1-800-267-8494**

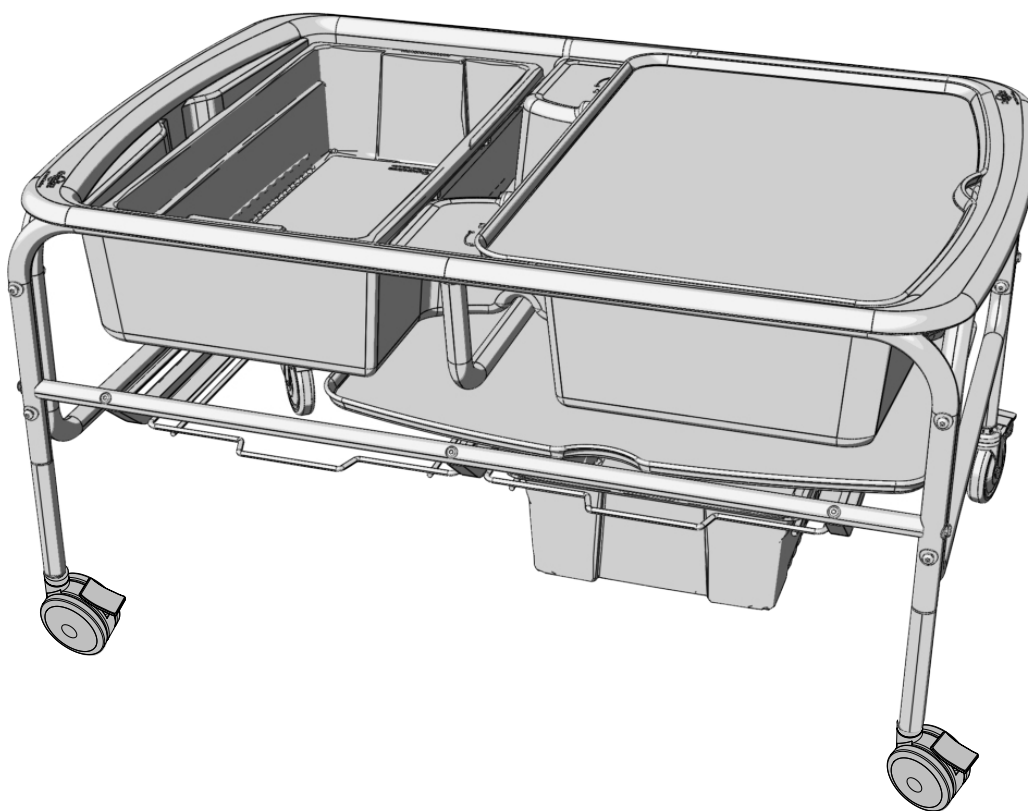
Email [info@copernicused.com](mailto:info@copernicused.com)

**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**



## Assembly Guide SWT2\_2018\_A

Check out our other products online at  
[www.copernicused.com](http://www.copernicused.com)

For assistance, please contact us:

**1-800-267-8494**

Email [info@copernicused.com](mailto:info@copernicused.com)

**Have your packing slip ready for reference**

Dear Educator,

Thank you for purchasing one of our products. I hope that the Sand and Water Table is useful in your classroom.

If you have any questions, concerns, or ideas please contact us by telephone at 1-800-267-8494 or email at [info@copernicused.com](mailto:info@copernicused.com).

Enjoy using your new product and happy teaching.

Jim Phillips  
Chief Cook and Bottle Washer

We do not inherit the  
earth from our ancestors,  
we borrow it from our  
children.

NORTH AMERICAN  
PROVERB

Change is the end result  
of all true learning.

LEO BUSCAGLIA

What you leave behind is  
not what is engraved in  
stone monuments, but  
what is woven into the  
lives of others.

PERICLES

Education is the most  
powerful weapon which  
you can use to change the  
world.

NELSON MANDELA

**5  
Year**  
Tub  
Warranty

**5  
Year**  
Frame  
Warranty

## Validate Your Warranty

To validate your warranty, submit the ON-LINE form at [www.copernicused.com](http://www.copernicused.com)  
**Enter a draw to win a Copernicus Product for your classroom at the same time!**



# 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.



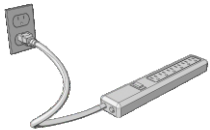
Adult  
Supervision

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



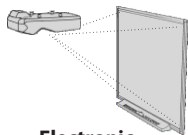
Indoor Use  
Only

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:

Adjustable Wrench

x2



### Contents - Box 1

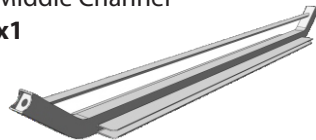
Long Side Frame  
x2



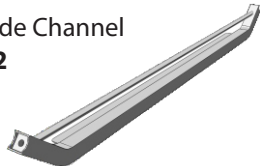
Long Stretcher  
x2



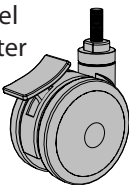
Middle Channel  
x1



Side Channel  
x2



4" Twin Wheel  
Locking Caster  
x4



Leg Extension  
x4



Drain, Drain Plug, Washer  
Drain Hose  
x1



End Frame  
x2



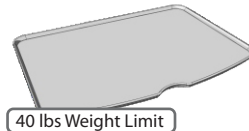
Middle Stretcher  
x1



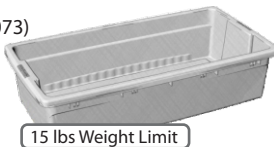
Tub Wire Support  
x2



Lid  
x2



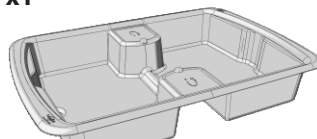
Really Big Tub  
x2  
(CC4073)



Drain Wrench  
x1



Main Tub  
x1



124 lbs Weight Limit of Water  
252 lbs Weight Limit of Sand  
(6 x 42lbs / 18kg Sand bags)

In Box 1

### Hardware Actual Size

(A) M6x35mm Bolt  
6x



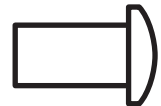
(B) M6x40mm Bolt  
6x



(C) M6x50mm Bolt  
8x



(D) M6 Barrel Nut  
8x



(E) M6 Lock Washer  
20x



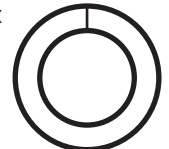
(G) Contour Washer  
20x



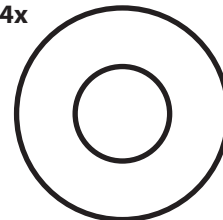
(F) M8 Lock Washer  
8x



(H) M12 Lock Washer  
4x

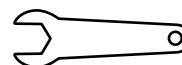


(I) M12 Washer  
4x



Not to Scale

Caster Wrench  
x1



Allen Key  
2x





## 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.



2-Person Task



## 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.



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](mailto:info@copernicused.com)

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



[www.copernicused.com](http://www.copernicused.com)

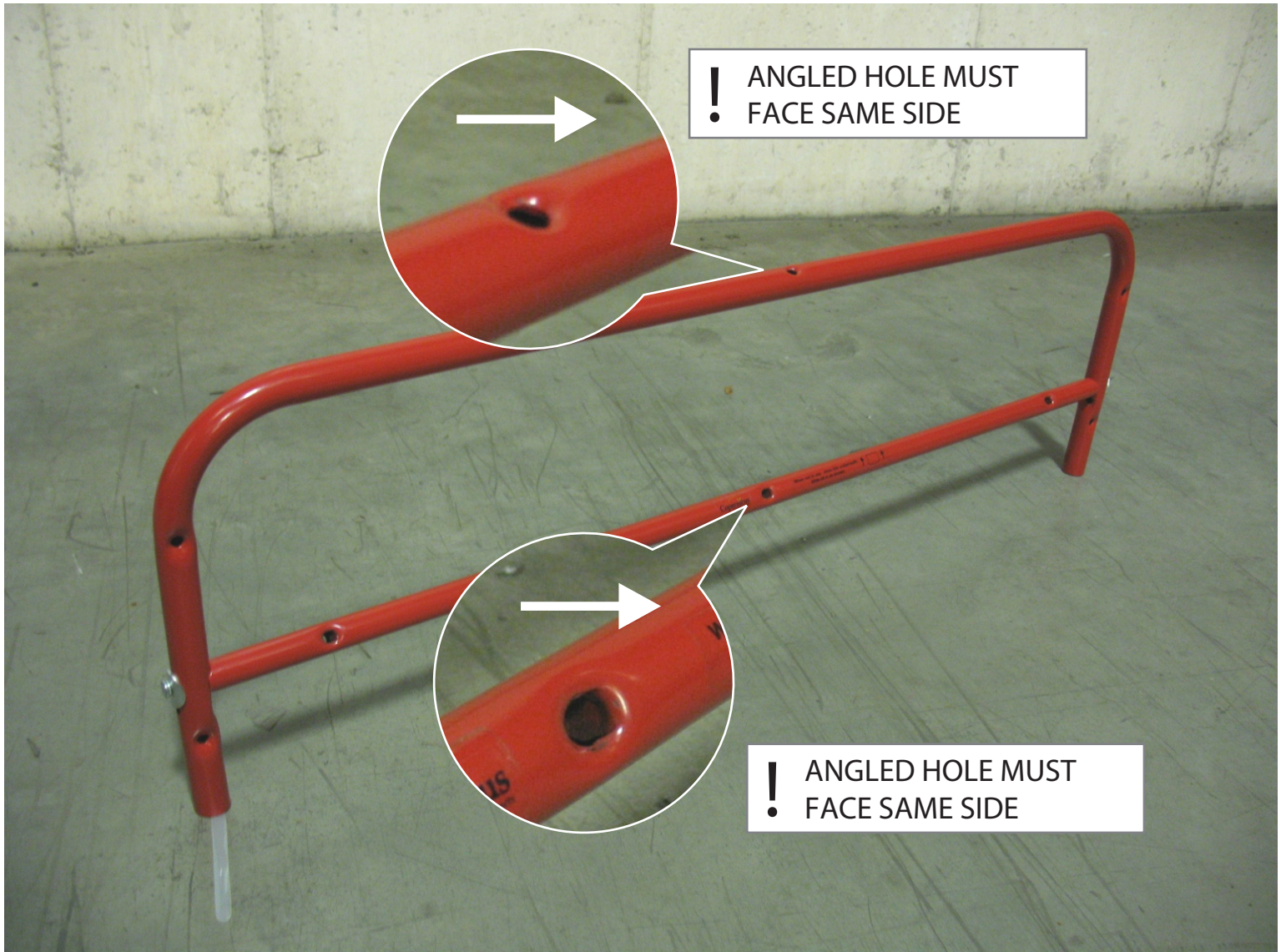
### Need Tech Support? Have a Question?



Email our Tech Support Service

**Before you begin,  
Pay attention to assembly tips located throughout the assembly guide.**

## Tip 1) Assemble Front Frame with holes facing same side



Tips video available here:  
<http://copernicused.com/assembly-tips.aspx>

**... start assembly on next page**

1

Actual Size:



(B)  
M6x40mm Bolt  
x4



(E)  
M6 Lock Washer  
x4



(G)  
Contour  
Washer  
x4

You will need: (Not to Scale)

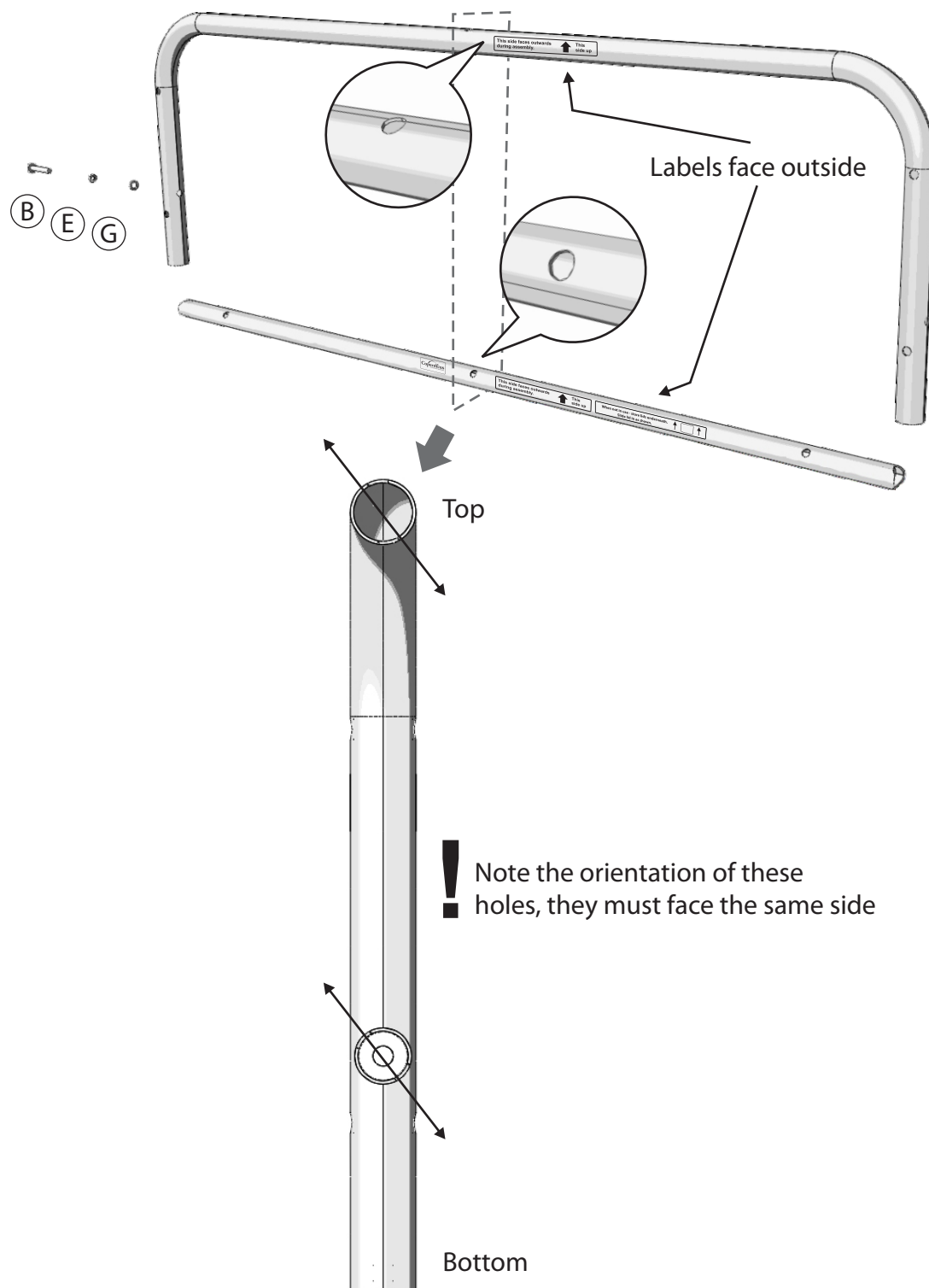
Long Side Frame  
x2



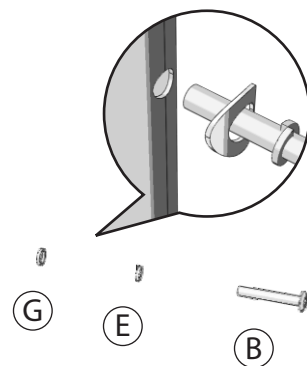
Long Stretcher  
x2



## Assemble Two Front Frames



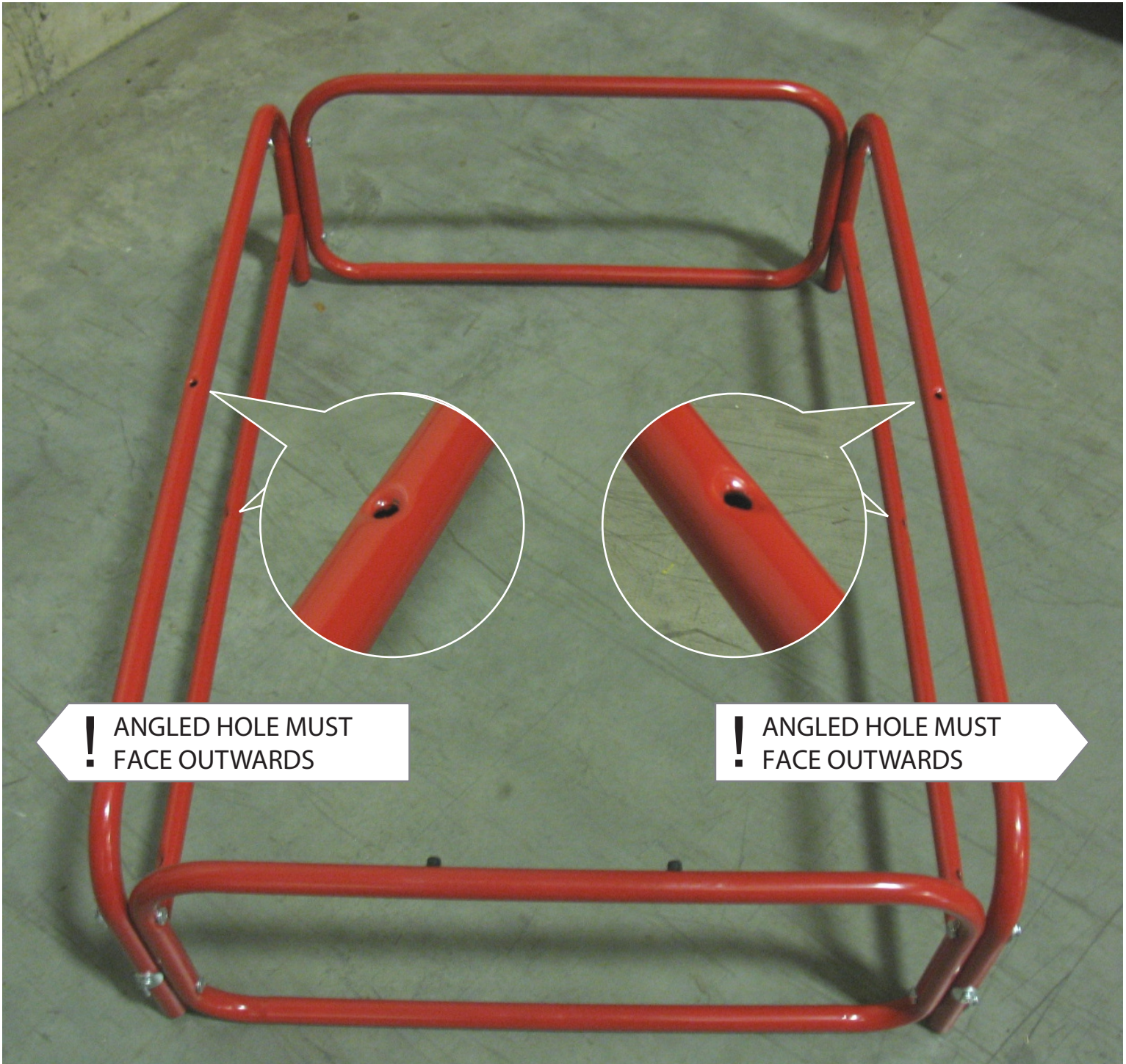
Build x2





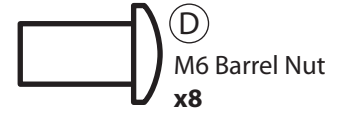
**Tip 2)**

When assembling unit make sure frame holes face outwards on both sides.



2

Actual Size:



2 Person

You will need: (Not to Scale)

Front Leg Assembly  
x2



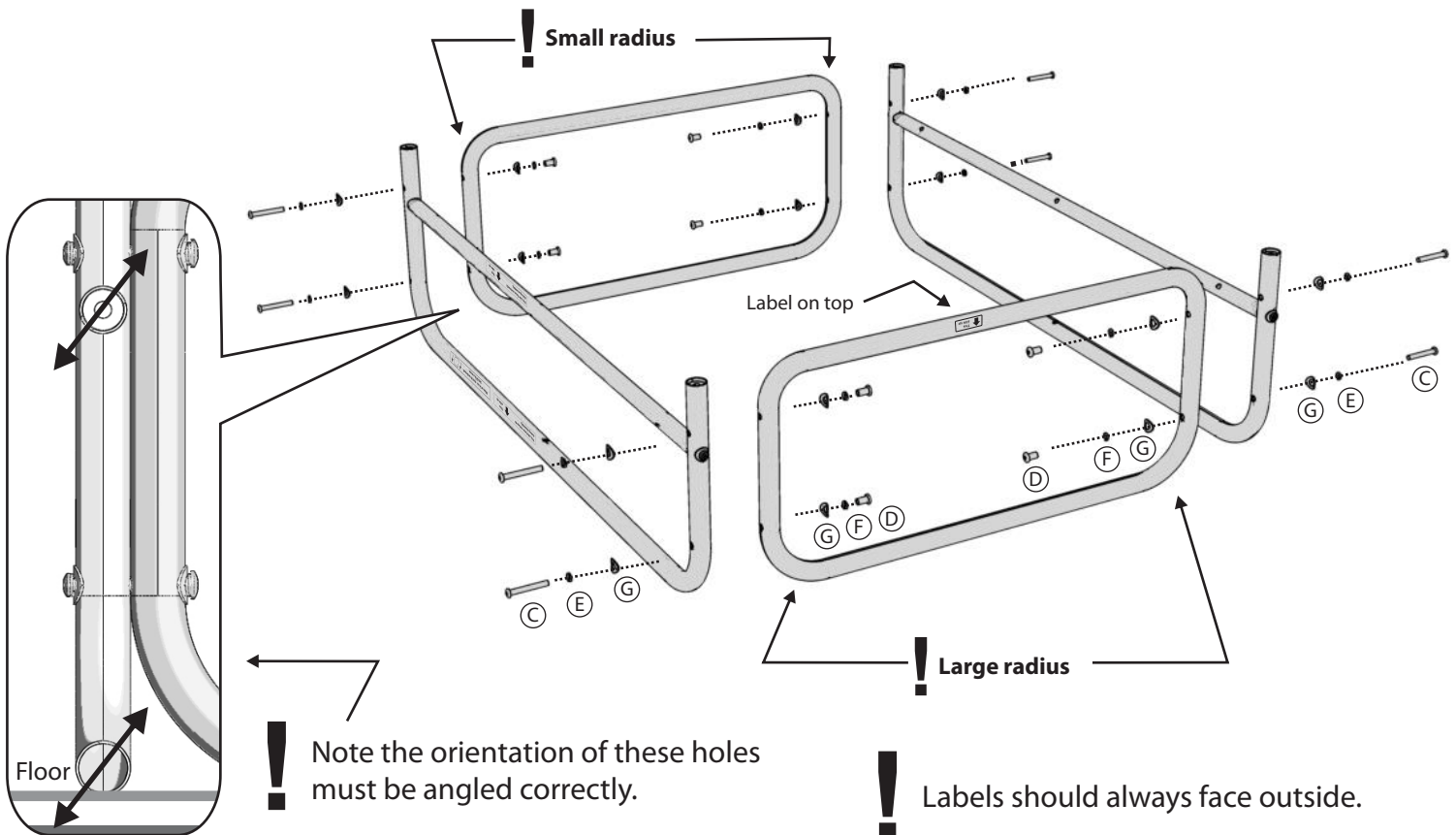
End Frame  
x2



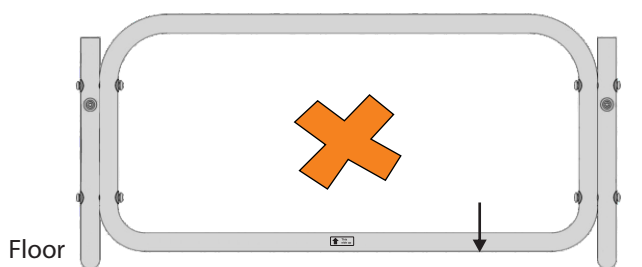
## Attach End Frames



**Assemble the unit upside down.  
Do not fully tighten bolts until step 4 is complete.**



**Unit is still flipped upside down.**



Bars not flush

Label on top



Bars flush on floor



**Tip 3)**

**Assembled frame should look like the following image. Shown with Tub Channels and Middle Stretcher.**



3

Actual Size:



(A)

M6x35mm Bolt  
x6



(E)

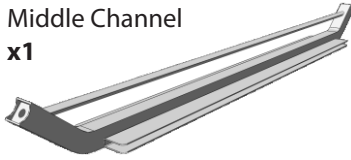
M6 Lock Washer  
x6



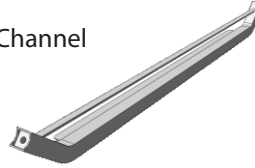
2 Person

You will need: (Not to Scale)

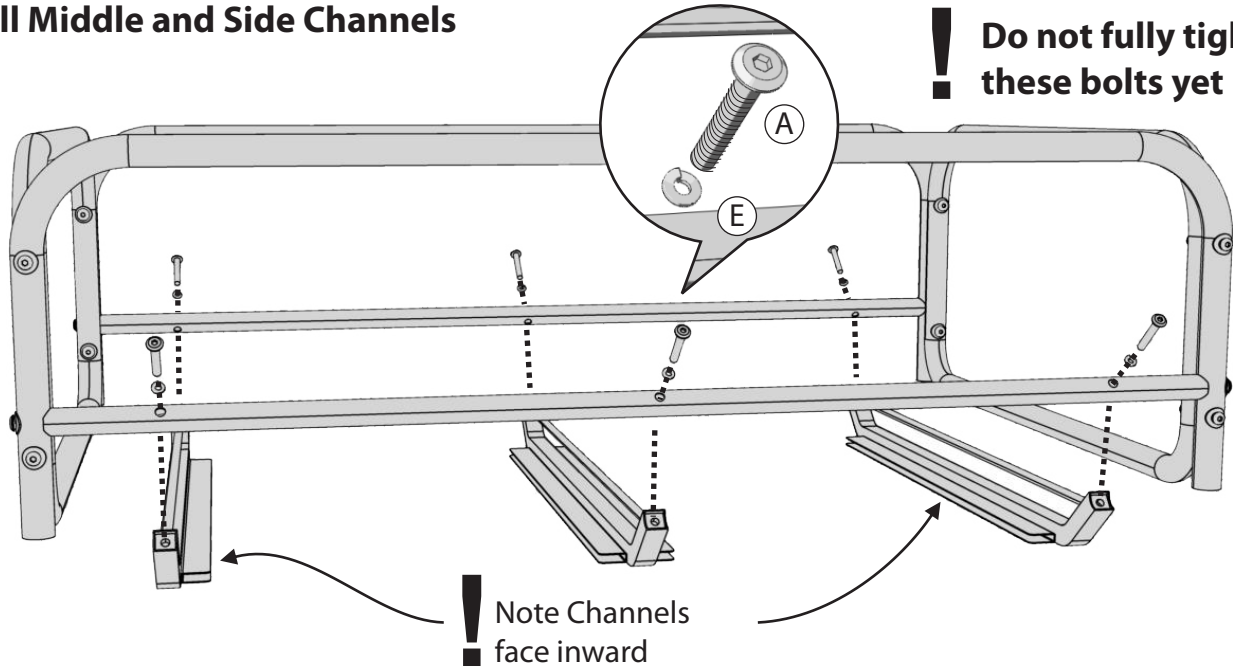
Middle Channel  
x1



Side Channel  
x2



## Install Middle and Side Channels



4

Actual Size:



(B)

M6x40mm Bolt  
x2



(E)

M6 Lock Washer  
x2



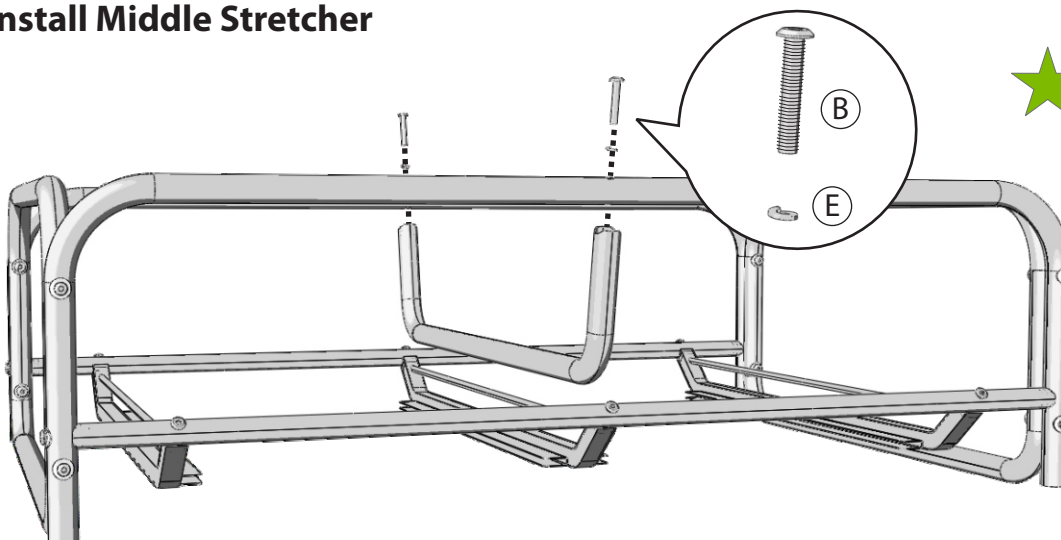
2 Person

You will need: (Not to Scale)

Middle Stretcher  
x1



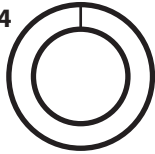
## Install Middle Stretcher



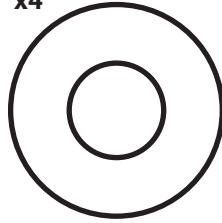
5

Actual Size:

(H) M12 Lock Washer  
x4

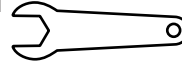


(I) M12 Washer  
x4



You will need: (Not to Scale)

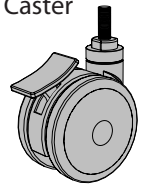
Caster Wrench  
x1



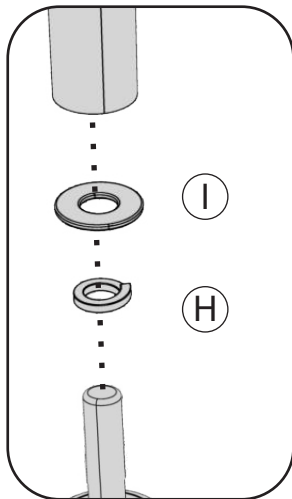
Leg Extension (OPTIONAL)  
x4



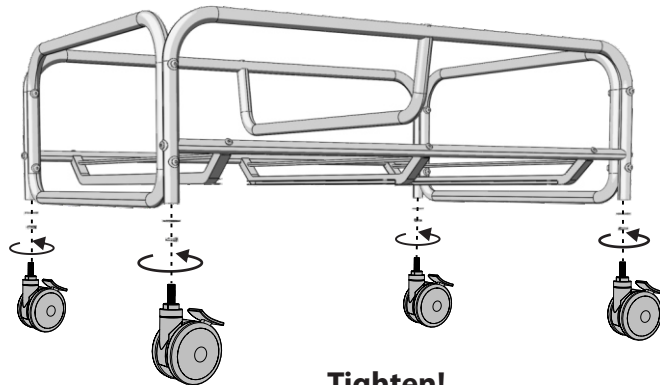
4" Twin Wheel  
Locking Caster  
x4



## Determine your desired overall height and install casters

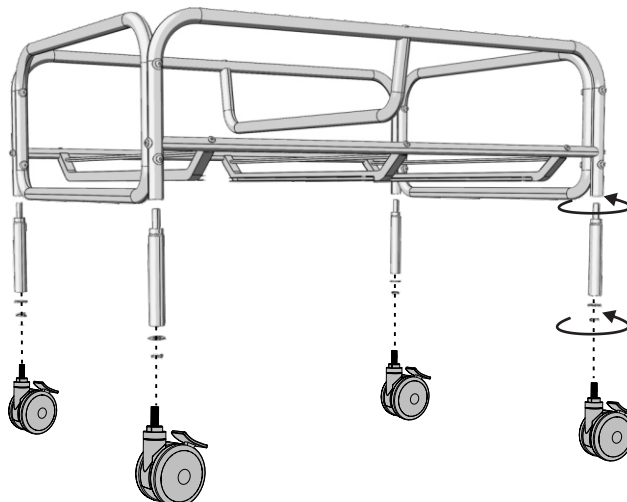
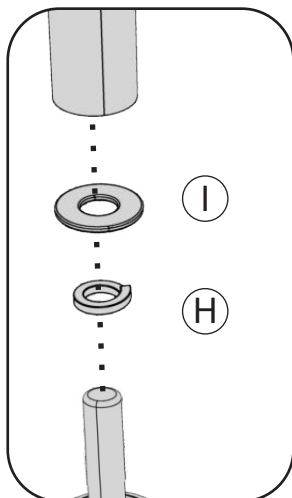


### 18" Tall Sand & Water Sensory Center



OR

### 24" Tall Sand & Water Sensory Center





6

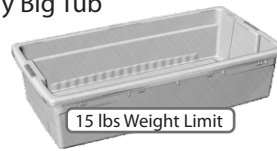
Actual Size:

You will need: (Not to Scale)

Tub Wire Support  
x2

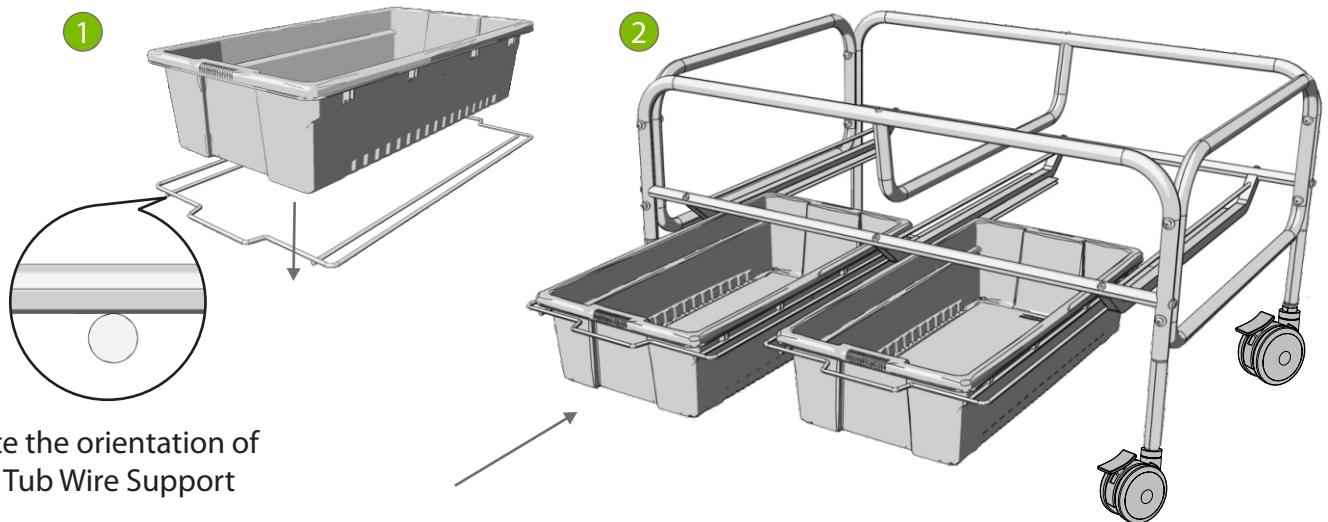


Really Big Tub  
x2



## Install Tubs

(shown with Leg Extensions installed)



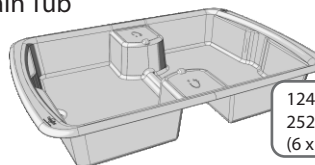
! Note the orientation of the Tub Wire Support

7

Actual Size:

You will need: (Not to Scale)

Main Tub  
x1



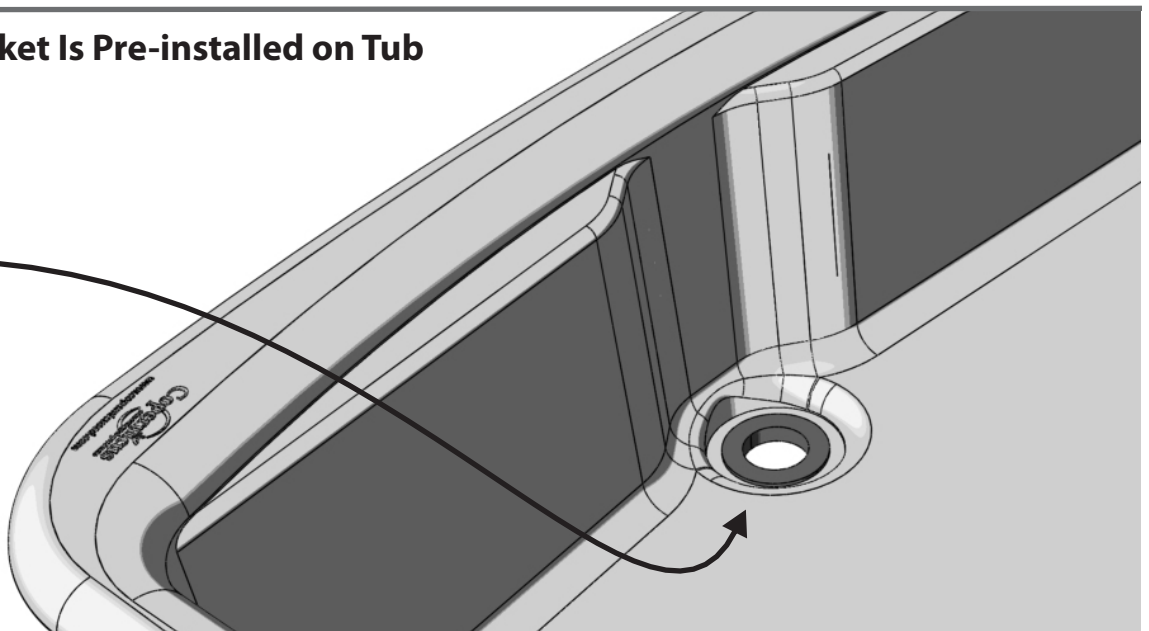
124 lbs Weight Limit of Water  
252 lbs Weight Limit of Sand  
(6 x 42lbs / 18kg Sand bags)

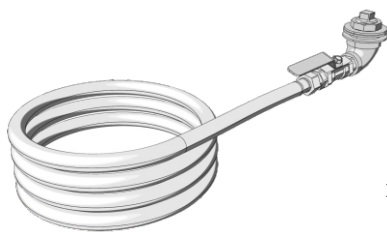
## Verify Rubber Gasket Is Pre-installed on Tub



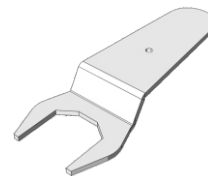
Make sure rubber gasket is seated in place.

Note because of its shape it is visible from the top & bottom.





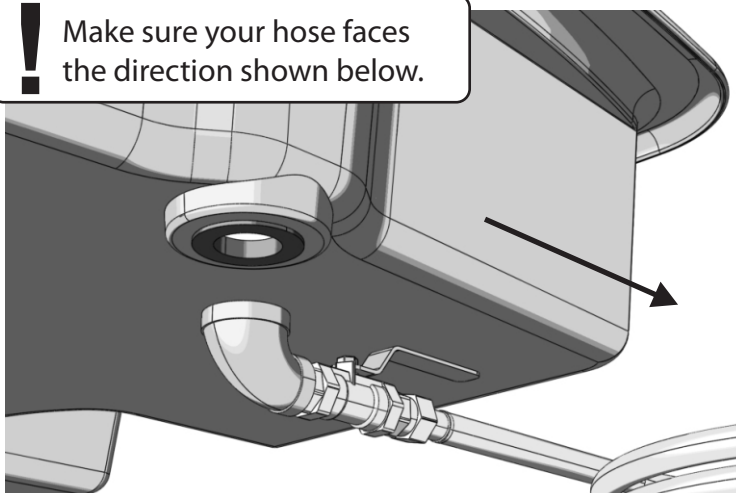
Drain, Drain Plug, Washer  
x1



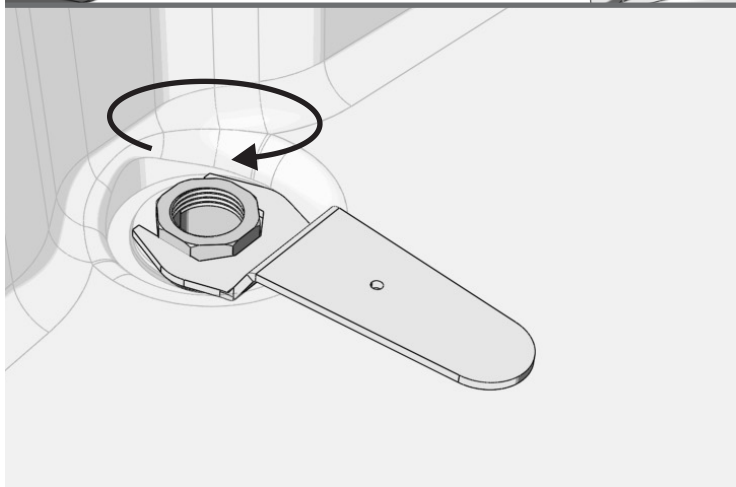
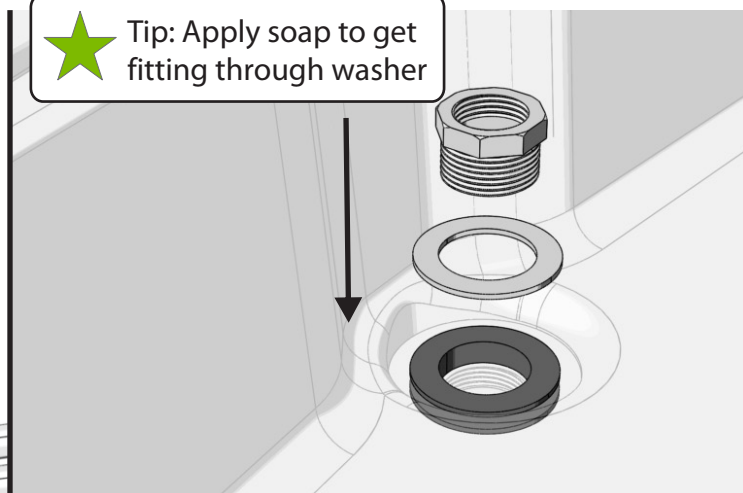
Wrench  
x1

## Choose Drain Fittings

**!** Make sure your hose faces the direction shown below.



**★** Tip: Apply soap to get fitting through washer



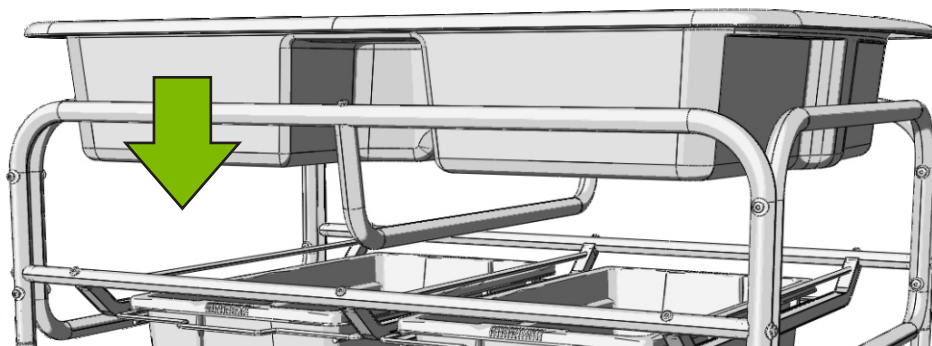
**!** Use the plug to keep sand out of drain.

**!** Use as backup only with water in case valve is accidentally opened.

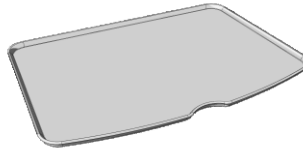
**Firmly tighten your fitting !**

Tub drops into place for easy assembly

**!** Note your tub may rock from side to side at first when empty. Filling with sand / water will help it fit better.



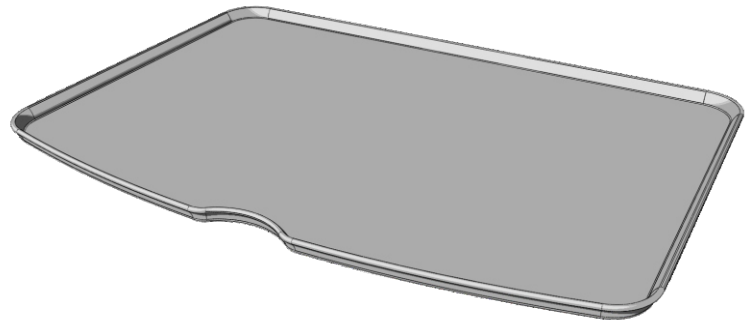
You will need: (Not to Scale)

Lid  
x2

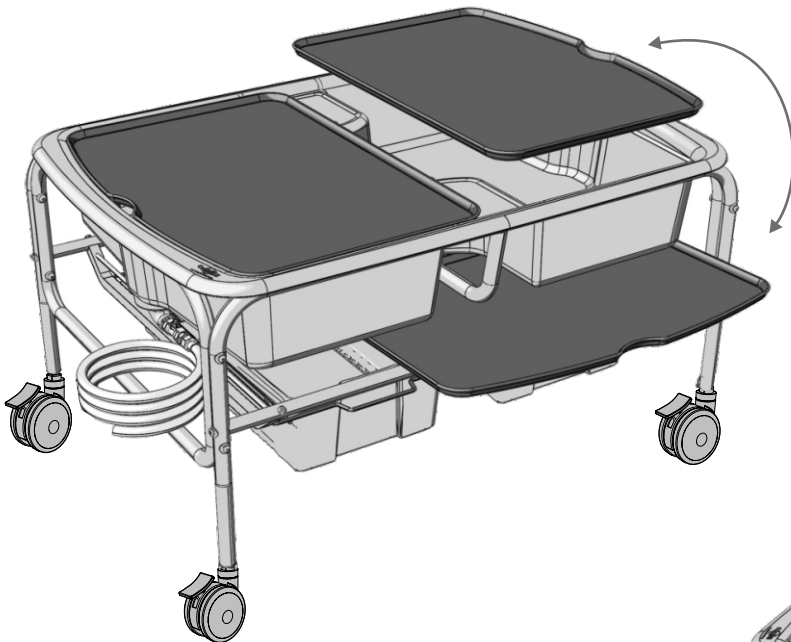
## Using Your Lids



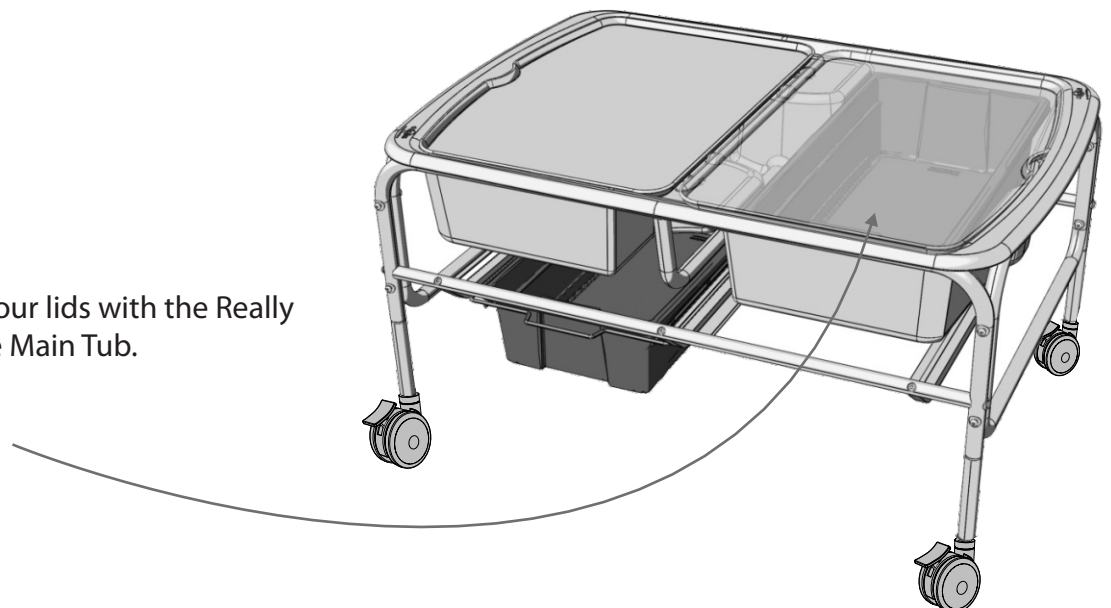
You can use your Lids for activities such as Sand Etching when working with special needs students.



You can store your Lids under the Main Tub like shown on the left. Use one lid as a shelf for other activities.



You can also use your lids with the Really Big Tubs inside the Main Tub.

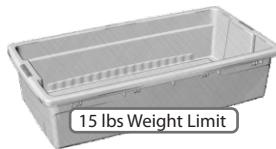


## Tips For Use

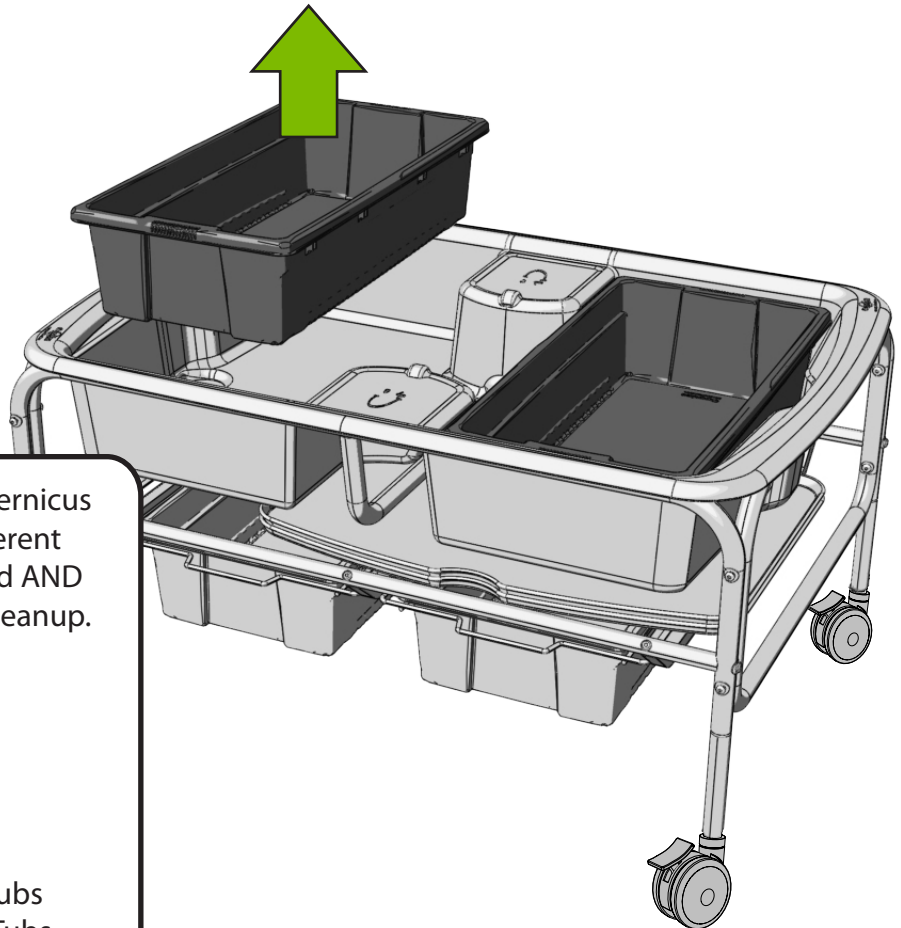


Use Tubs to store sand & water toys.

You can purchase additional Copernicus Really Big Tubs to separate different mediums, for example using sand AND water at the same time for easy cleanup.



Part Number	Contains:
PTP-20	2 Blue Coloured Tubs
PTP-21	2 Sand Coloured Tubs



Use the two landings on the Main Tub as shelves for activities such as weighing with scales.

