



2 x 2

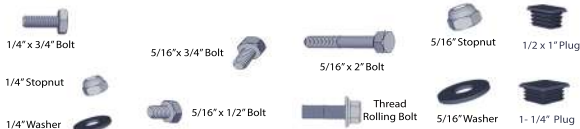
Recommended Team Members Needed: 1-2

Designed & Made
in the
USA



**LOCATE ALL PARTS
AND HARDWARE
BEFORE
BEGINNING RACK
ASSEMBLY**

HARDWARE *



TOOLS NEEDED: Socket Wrench w/ 7/16" and 1/2" Sockets, 1/2" and 7/16" Wrenches

NOTE:

All Bolts should be
torqued to 10 ft.-lbs.

* All 1/4" hardware
will be 5/16" for
Fat Tray assembly

PARTS



Tray



Stanchion



Vertical Post A



Vertical Post B



Base



Crossbar



Upper Supports



Base Extender A



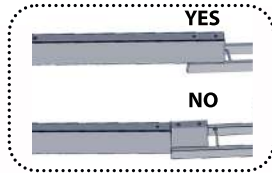
Base Extender B

STEP 1: Pre-assemble Trays

Needed:

- Trays
- Stanchions
- 1/4" Washers
- 1/4" x 3/4" Bolts
- 1/4" Stopnuts
- 1/2" x 1" Black Plugs
- 7/16" Socket/Wrench
- 7/16" Socket/Wrench

1a. Turn stanchion and tray upside down. Align the two holes on the stanchion with the two holes on the tray.



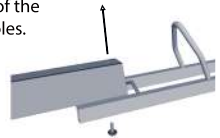
(tray should be on OUTSIDE of stanchion, as shown above)



1b. Place a 1/4" Washer over a 1/4" x 3/4" Bolt.



1c. Insert Bolt and Washer combo into one of the tray assembly holes.

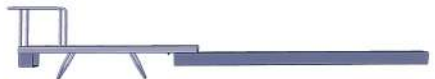


1d. Fasten Bolt and Washer in place using a 1/4" Washer and 1/4" Stopnut. Tighten using both the 7/16" Socket/Wrench and the 7/16" Wrench.



1e. Repeat steps **1b-1d** for second hole on tray bottom.

1f. Repeat steps **1a-1e** for all remaining Trays and Stanchions.



1g. Insert 1/2" x 1" plugs into the front and back of the Stanchion as shown. You will need 4 plugs for each Stanchion.



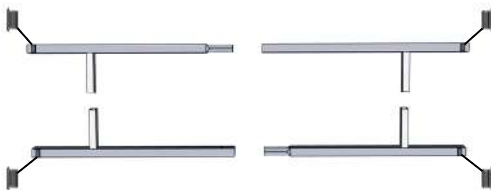
1h. Repeat step 1g for the remaining assembled trays.

STEP 2: Bottom Tier Assembly

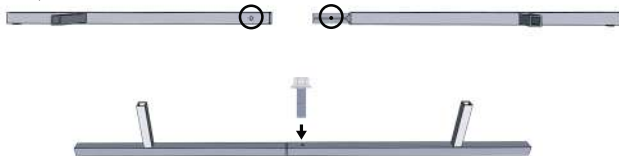
Needed:

- 5/16 x 1/2" Bolts
- 1/2" x 1" Black Plugs
- 1/4" x 3/4" Bolts
- Rolling Thread Bolts
- Base Extender A
- Base Extender B
- 1/2" Socket/Wrench

2a. Turn over the 4 Base Extenders and insert 1/2" x 1" Plugs into the holes. These will be the "feet."

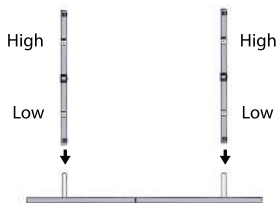


2b. Assemble the Base Extenders by placing Base Extender A into Base Extender B. Insert a Thread Rolling Bolt and fasten using a constant downward force. (The bolt forms the threads as it turns)



2c. Insert the Bases into one of the Base Extenders, facing the **same direction**.

Push Bases completely flush with the Base Extender.

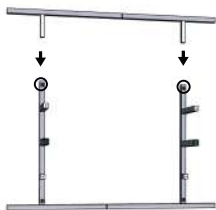


2d. Secure by hand-tightening 5/16" x 1/2" Bolts into fronts of Bases.

All Bolts that are hand-tightened in Steps 2-3 are fully secured in Step 4

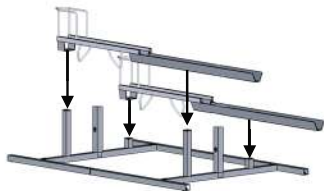


2e. Fully insert the remaining Base Extender: secure by hand-tightening 5/16" x 1/2" Bolts.



2f. Set a Tray Assembly on the top of the short and long uprights of the Bases, aligning the Tray holes with the holes of the Base Uprights.

Fasten each Tray Assembly by finger tightening 5/16" x 3/4" Bolts and 5/16" Washers.

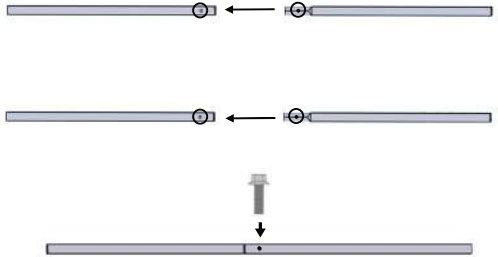


STEP 3: Top Tier Assembly

Needed:

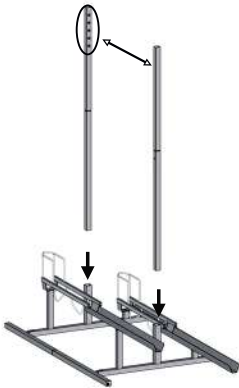
- 5/16" x 1/2" Bolts
- 5/16" x 3/4" Bolts
- 5/16" Washers
- Rolling Thread Bolts
- Vertical Posts A
- Vertical Posts B
- Tray Assemblies
- Rear Upper Support
- 1/2" Socket/Wrench

3a. Assemble the Vertical Posts by inserting Vertical Posts A into Vertical Posts B and securing each with a Thread Rolling Bolt.

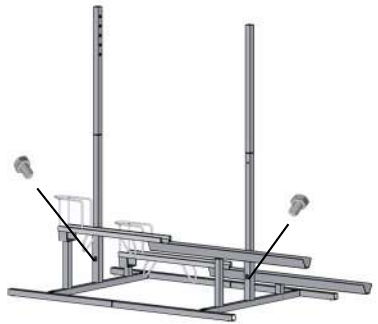


Fasten the bolts using constant downward force. (The bolt forms the threads as it turns)

3b. Insert the assembled Vertical Posts into the middle uprights of the bases with the Rivet Nuts at the top, facing each other.

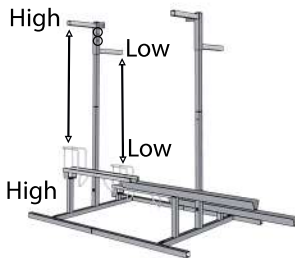
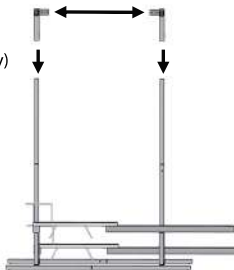


3c. Secure into the Base by hand-tightening 5/16" x 1/2" Bolts, as shown.



3d. Locate the Upper Supports. Place each Support onto the top of a Vertical Post with the ear facing inward. Choose the same two rivet nuts on each side to attach to. Secure (hand-tighten only) with 5/16" x 3/4" Bolts and 5/16" Washers.

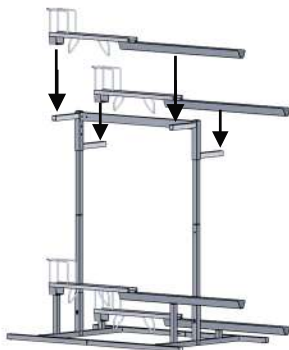
Hand tightening the bolts allows play for when the Crossbar is attached to the Supports.



3e. Locate the Crossbar. Insert the Crossbar into the Upper Support ears. Line up the holes of the Crossbar with the Support holes and secure by hand-tightening 5/16" x 3/4" Bolts and 5/16" Washers.



3f. Set the remaining Tray Assemblies on the top of the Upper Supports. Secure with a 5/16" x 2" Bolt & 5/16" Washer and a 5/16" Washer & 5/16" Stopnut.



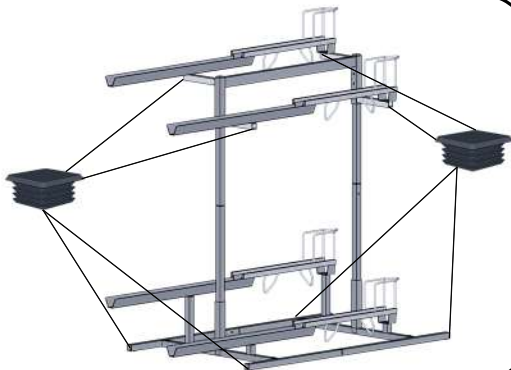
STEP 4: Finishing Touches

Needed:

- 1-1/4" Black Plugs

- All Sockets/Wrenches

4a. Insert 1-1/4" Plugs into all exposed ends of the frame.



4a. Go back through entire rack and fully secure all bolts.



**YOUR RACK
IS NOW
COMPLETE!**

STOP

STOP

BEFORE LOADING BIKES:

It is recommended that the rear derailleur is set on the middle cog and the front derailleur is set on the largest chain ring to prevent chain or derailleur damage.