



HORIZONTAL BICYCLE CARRIER RACK

OPERATING AND MOUNTING GUIDE

WARNING:

You are responsible for securing the rack to your vehicle, checking the attachments prior to each use, and periodically inspecting the products for adjustment, wear, tear, and damage. You must read and understand all instructions, cautions, and assume responsibility when operating the rack. Should you have any questions, please call or text us at 919.590.0719 or email us at ride@2x2cycles.com. We at 2x2 Cycles have made every effort to produce a safe, secure, and enjoyable product. The user of 2x2 Cycles products accepts full responsibility and does so at their own risk. Please ride responsibly and be aware that you are carrying your bicycle with you.

CONGRATULATIONS ON YOUR PURCHASE OF THE 2X2 CYCLES BICYCLE CARRIER RACK!

IMPORTANT: READ BEFORE SETUP AND OPERATION

It is critical that all 2x2 Cycle racks and accessories be properly and securely attached to your motorcycle. Improper attachment/usage could result in an accident and cause bodily injury or death to you and/or to others. You are responsible for securing the racks and accessories to your motorcycle, checking the attachments prior to use, and periodically inspecting the products for adjustment, wear, and damage. Therefore, you must read and understand all of the instructions and cautions supplied with your 2x2 Cycles product prior to installation or use. If you do not understand all of the instructions and cautions, or if you have no mechanical experience and are not thoroughly familiar with the installation procedures, you have this product installed by a professional, such as a qualified garage.

WE ARE ALWAYS HERE TO ANSWER YOUR QUESTIONS

CALL/TEXT: 919.590.0719

EMAIL: RIDE@2X2CYCLES.COM

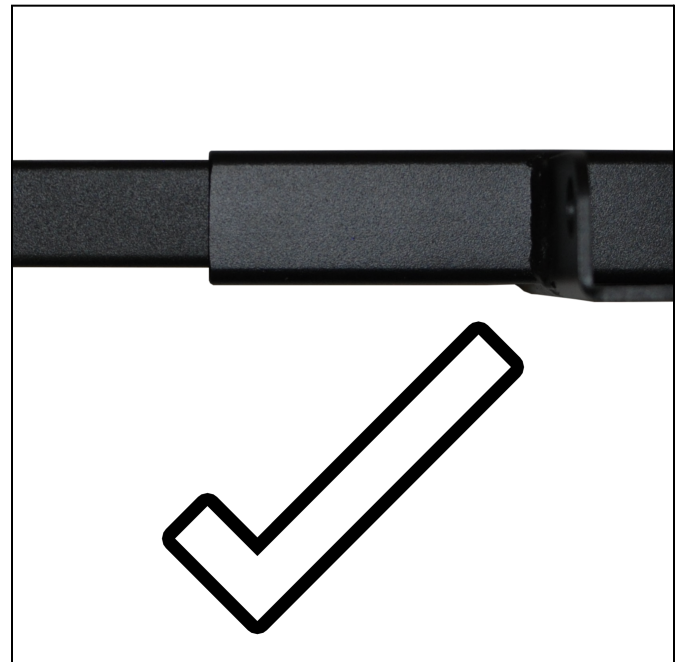
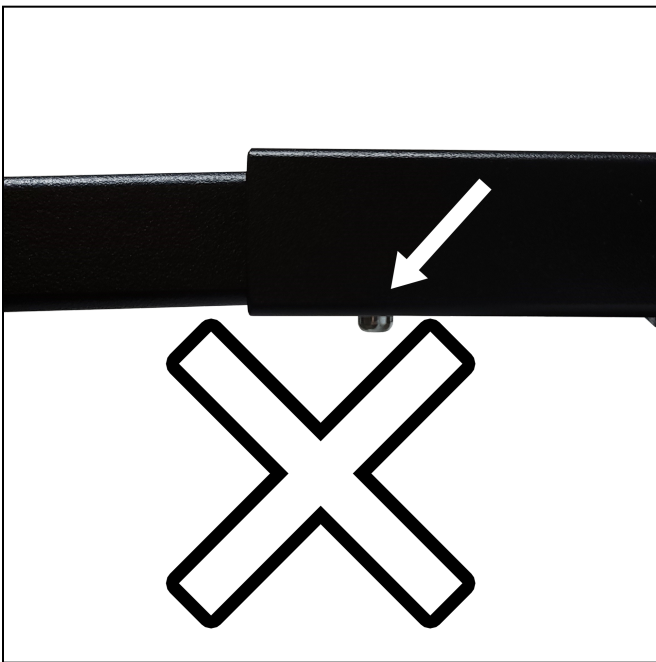


STEP 1

First you will want to insert the **Pedal Arm** into the receiver tube located on top of the base that you mounted to your moto. You will notice a silver push pin protruding from the bar on the **Pedal Arm**. This is a **safety pin** designed to catch the **Pedal Arm** before it leaves the receiver tube should you forget to tighten the bolt+nut on the side of the receiver tube.

When first inserting into the receiver tube, depress the silver button and begin inserting.

DEPRESS THE SAME BUTTON AGAIN when it falls into the safety hole so that you can continue inserting the Pedal Arm. *Do not tighten the tension nut on the side of the receiver tube just yet. We are just dry fitting this piece before confirming its exact positioning.*



STEP 2: *The Floating Fork Tower*

Moving to the front of the receiver tube, if not already, insert the **Fork Tower** into the front opening of the receiver tube. The **Fork Tower** can be telescoped in and out so that you can customize the overall length of the bicycle rack to fit most bicycle sizes as well as reposition where the bicycles weight is distributed. We recommend extending the **Fork Tower as close to the rider as possible** to reduce the weight off of the rear end of your moto.



STEP 3

Once you have the **Fork Tower** positioned as far forward as you can/want, open the Large Quick Release in the **Fork Tower** enough to accept the front fork of your bicycle. Proceed to remove the front wheel of your bicycle then lift up your bicycle and set your bicycles front fork onto the Large Quick Release. Make sure it sits flat and level, then close the Large Quick Release.

We are doing this to determine the proper positioning of the rack components before tightening the tensioning nuts on the side of the receiver tube.



NOTE: If your bicycle has a thru axle, you will be using your bicycles thru axle to secure your bicycles front fork to the Fork Tower. The large quick release that came with your 2x2 Cycles rack will instead be used to mount your front wheel in the storage location discussed in Step 6. If your front fork does not fit tightly on the Fork Tower, you may have a Boost fork, which requires our 110 Boost Adapter.

STEP 4

With your bicycles front fork in its fixed mounted position, you can now determine the proper positioning of the **Pedal Arm** from Step 1. Begin by loosening and removing the Mini Quick Release from the cradle of the **Pedal Arm**. Now, lower your bicycles left pedal into the **Pedal Arm**, adjusting the **Pedal Arm** in/out so that your bicycles pedal rests in the cradle of the **Pedal Arm**. Slot the Mini Quick Release back into the **Pedal Arm** and bring it down snugly over your bicycles pedal. Always tighten the Mini Quick Release before leaving on your motorcycle.

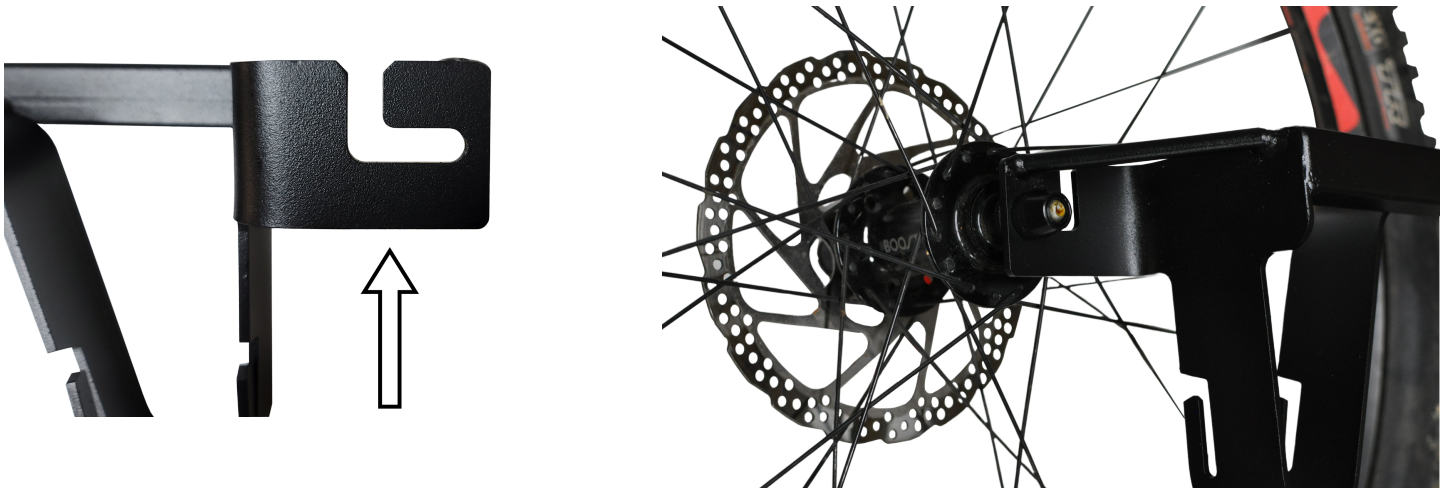


STEP 5

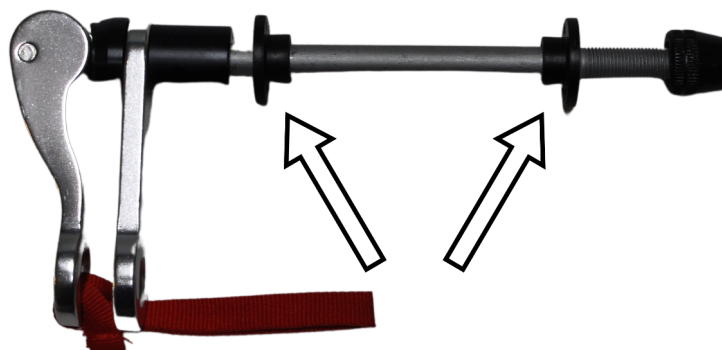
Using a ½" wrench, tighten the bolts on the outside of the receiver tube until they are tight against the now properly positioned Fork Tower and Pedal Arm. Using the same wrench, tighten the flange nuts located on the bolts you just tightened until they are tight against the receiver tube of the base plate/block. If you are removing the Fork Tower and/or the Pedal Arm, loosen the flange nut first before loosening the bolt.

STEP 6

We will now be mounting your bicycles front wheel. On the Pedal Arm, identify the L shaped slot in the tab protruding from the rear end of the Pedal Arm. Slot your front wheel into the slot and tighten your front wheel's quick release.



NOTE: If using a 15mm thru axle bicycle, you will need to use the large quick release that came with your 2x2 Cycles rack (noted on Step 3) for this step. Put one of the provided black nylon caps on the large quick release (smaller diameter facing inwards). Then put the large quick release through your front wheel, place the second nylon spacer (smaller diameter facing inwards) on the other end of the large quick release, and add the black nut back on. Proceed to use the slotted holder as described above.



STEP 7: PLEASE PAY ATTENTION HERE. THIS IS REQUIRED FOR OPERATION

Using the Load Distribution Strap (LDS) is **ESSENTIAL** to the operation of your 2x2 Cycles rack and **SHOULD NOT** be considered optional. The LDS is not to keep your bicycle from falling off, but to help keep it from rocking similar to a bicycle on the roof of a car.

The LDS is used to balance the cantilever effects of the bicycle being out over the rear of your moto. You will be creating a **forward triangle** by placing the LDS over the bicycles handlebar stem, attaching the ends of the LDS to the passenger foot pegs area (*or similar location*), and tightening just enough to relieve the pressure off the rear. In doing this, you have in effect, transferred the weight from the overhang onto the front fork post. This is now a static load, meaning that the strap has very little stretch so when you hit a bump or you're under hard acceleration, the weight will not shift to the rear and add twisting forces to the bicycle's frame.

NOTE: DO NOT attach the LDS to the 2x2 Cycles rack itself or to the rack that it is mounted to. Doing this will have **NO EFFECT** on the weight distribution.



WARRANTY

2x2 Cycles warranties our racks from any defects in the course of normal use. We can not warranty racks that have been altered or defaced. 2x2 Cycles only warranties our racks and accepts no responsibility for motorcycle or bicycle gear. It is impossible for us to warranty anything beyond our rack as we have no control in the manner in which the rack was being used, how it was installed, etc. If you have a problem with your rack or any questions, please contact us.

WARNING

Always keep an eye on your new rack. Just like your motorcycle and bicycle, it needs to be maintained. Carefully inspect the safety strap (LDS) and all other hardware prior to use. Make sure everything is kept tight and that there is no wear on the straps. If wear appears, replace it. Please make sure to use the LDS strap whenever carrying your bicycle on your rack.



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Welcome to the Cyclelution