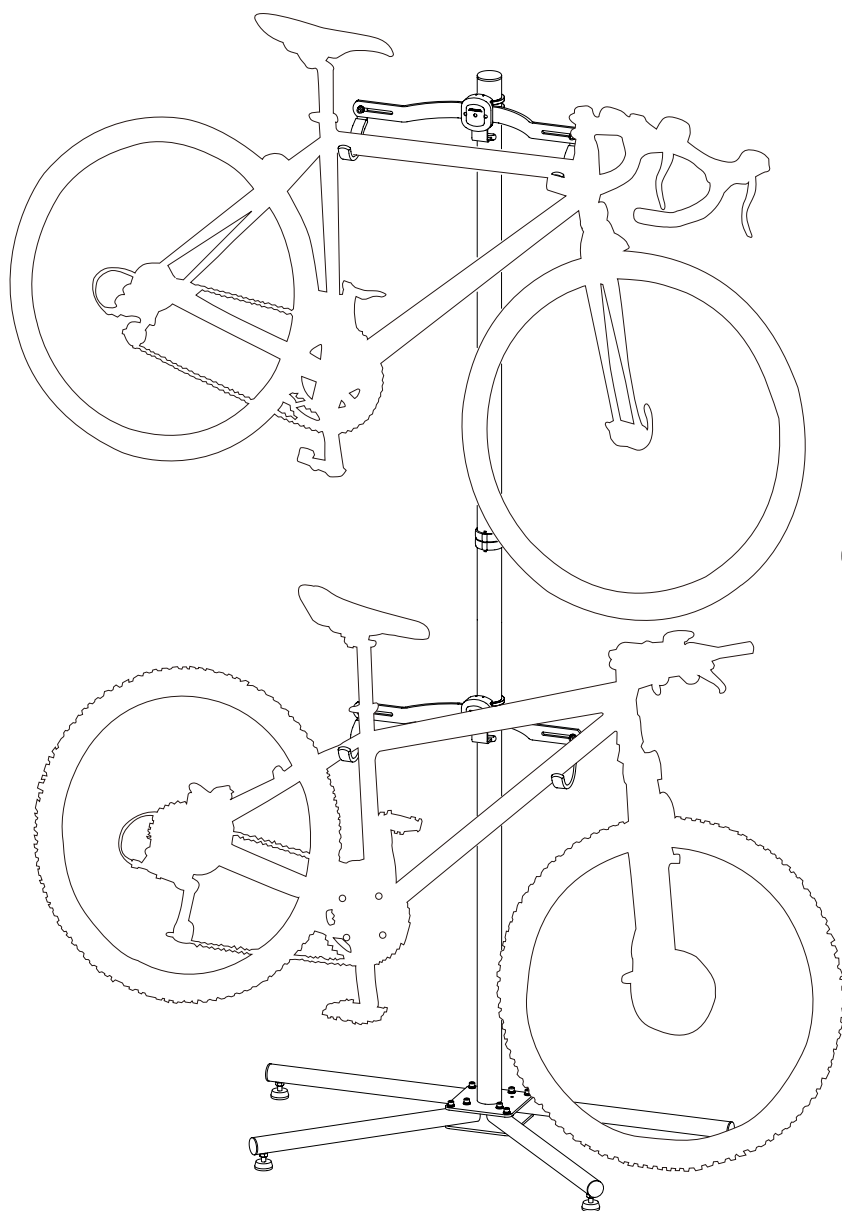




Read This Instructions Manual Carefully Before Use.



(Image: P-500AL-7S in K-style leg)

FEATURES

- Save vast amounts of space by storing two bicycles in a single space.
- Alloy pillar is lightweight, rust proof and durable.
Max load is 100 kgs (in X-style leg mode).
- Legs are switchable between K-style and X-style depending on the number of bikes or setup location.
- Alloy clamp securely holds the bike cradle and allows for easy position changes.
- The bike hook is designed to be low profile to get the bike on and off easily. Soft plastic pads prevent frame from being scratched. It fits up to 70mm diameter frame.
- The bike cradle is made of lightweight and durable alloy. Simple design is angle and width adjustable.



CAUTIONS

- *For normal 2-wheel bicycle only. Tandem, recumbent and long tail bikes may not be used on this stand.*
Place heaviest bike in the lower cradle to maintain stands balance.
- *Set stand on an even, horizontal floor. Adjust each foot precisely to insure each of the foot's four points touch the floor evenly.*
- *Leaving a bike in the top cradle only may cause an imbalance and the stand could fall down. Be careful to keep weights balanced at all times.*
- *Do NOT hook the bike with the down-tube and seat-tube. Hook the top-tube.*
- *Set up close to a wall to prevent the stand from falling down when setting the stand up in the K-leg configuration.*
- *Do NOT try to remove the clamp from the bike cradle when installing on the pillar.*

- *The clamp is made of light alloy material. Do NOT over-tighten or the bolt may come out of the housing, ruining the clamping mechanism.*
- *Tighten the bolts equally. Do NOT tighten just one bolt firmly. Failure to do so may lead to improperly tightened screws.*

Contact

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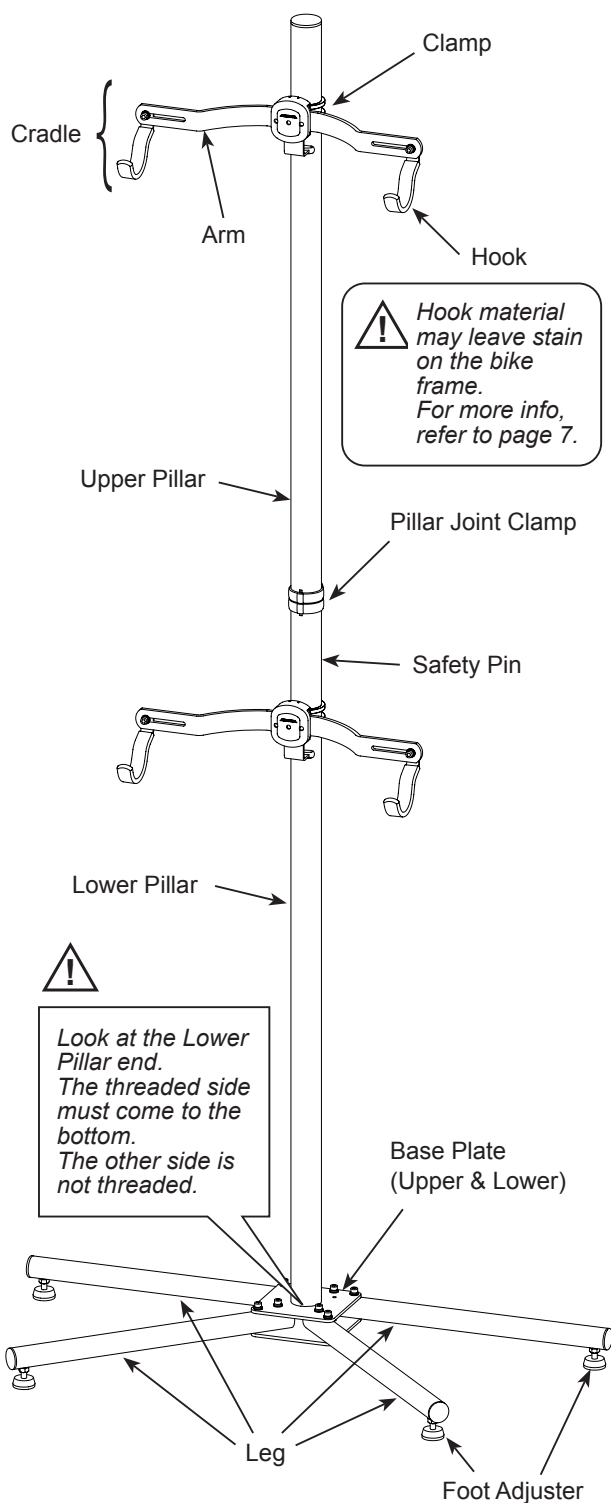
If you have question or problem on this product, please contact the shop where you originally purchase this product or the distributor in your country first. The distributor information can be found on our web site. Only when you cannot obtain enough service from them, you can contact Minoura directly.

MINOURA NORTH AMERICAN TECH CENTER

(for U.S. residents ONLY)

Hayward, California, U.S.A.
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Mail: support@minourausa.com

Part Name

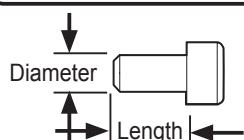


Required Tools

- 1 x M5 Hex Wrench (included)
- 1 x 13mm Spanner (not included)

How To Read Bolt Size

(Unit: mm)



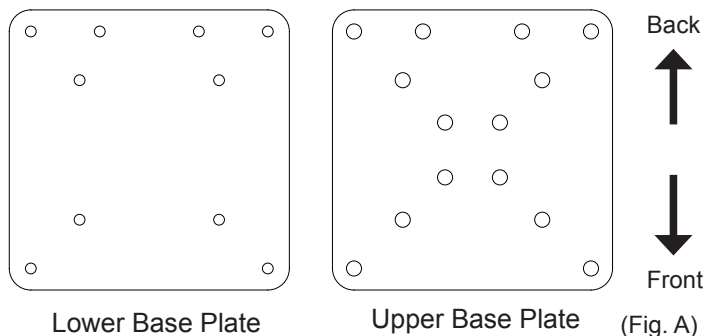
Ex) 6 x 30
Diameter Length

Assemble P-500 in K-style Leg

Setting up your P-500 in the K-Style leg configuration saves valuable room because the stand can be placed next to a wall. ONLY place the bikes on the front side of the stand so as to maintain balance and keep the stand from toppling over. Maximum bikes per stand is TWO (2).

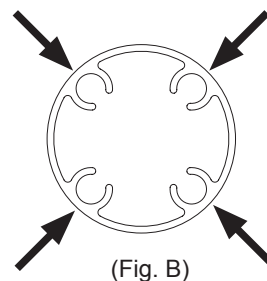
1

First of all, confirm the Base Plates. They are not the same. The upper side plate (will be attached to the Lower Pillar) has larger holes to allow the bolts putting through, and there are 4 holes in the center area for connecting to the Lower Pillar. The lower side plate has smaller threaded holes, and there is no hole in the center area. Please be sure that the hole pattern is not symmetric. The in-line 4 holes come to backside. (see Fig. A)



2

Confirm the Lower Pillar direction. Look at the pillar end, you will see four(4) C-shaped ribs inside. (see Fig. B) If the C-shaped ribs are threaded, those must be at the bottom with the non-threaded end at the top. (Upper Pillar has a plastic cap on its top)

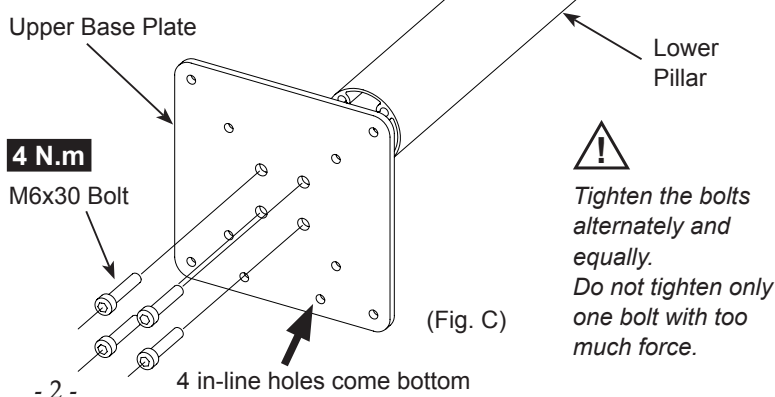


The cut out under the Pillar Joint Clamp must face forward.

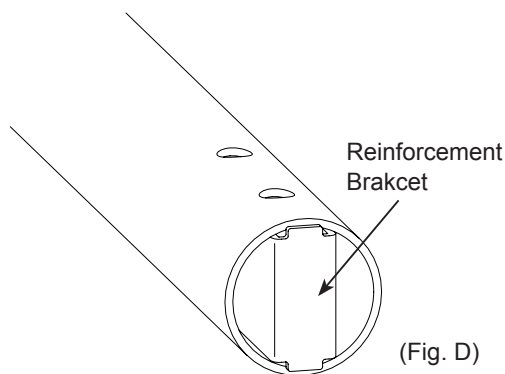
3

Place the Lower Pillar on the floor with the top cut out facing up. Set the Upper Base Plate to the pillar as shown in the Fig.C. Screw four(4) M6x30 bolts to the threaded C-shaped ribs in the Lower Pillar through the center holes. Tighten the bolts with the 5mm hex wrench.

(Tightening Torque = 4 N.m)

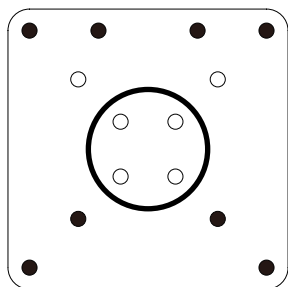


- 4** Install the legs.
All 4 legs are exactly the same size.
Each leg has an inner Reinforcement Bracket on its end to prevent deformation when tightening the bolt. Make sure this bracket is set in the deepest position in the tube. (see Fig. D)
Do not use the leg without the bracket.



(Fig. D)

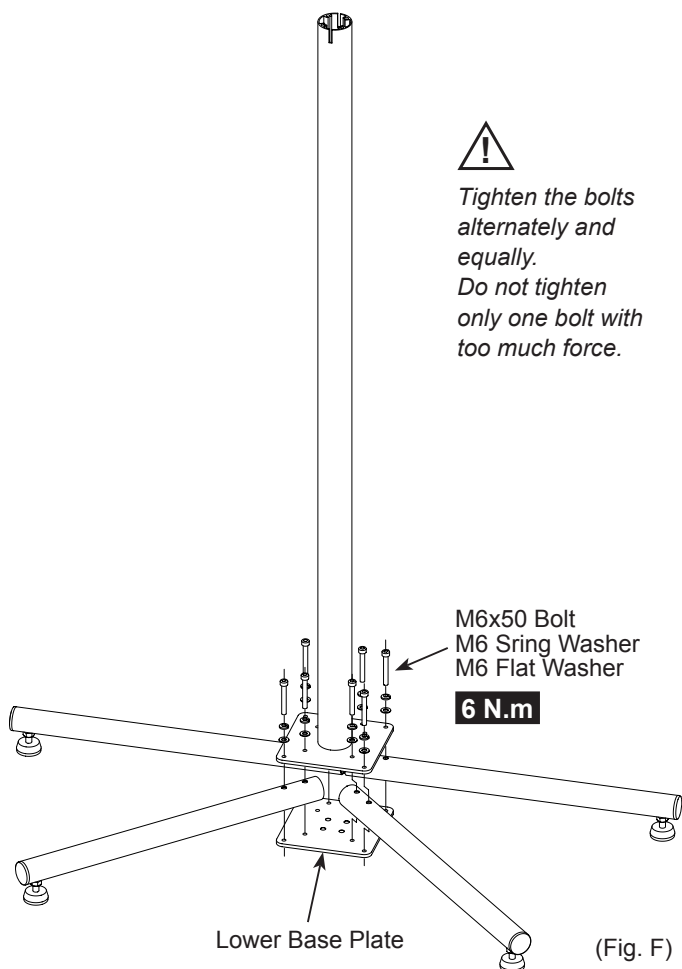
- 5** Place 4 legs as the letter-K. Sandwich them with the Upper and the Lower Base Plates. Put eight(8) M6x50 bolts into the holes (marked in black) on the Upper Base Plate, pass through the leg tube, and screw to the threaded hole. **(Tightening Torque = 6 N.m)**



(Fig. E)



*Tighten the bolts alternately and equally.
Do not tighten only one bolt with too much force.*



Lower Base Plate

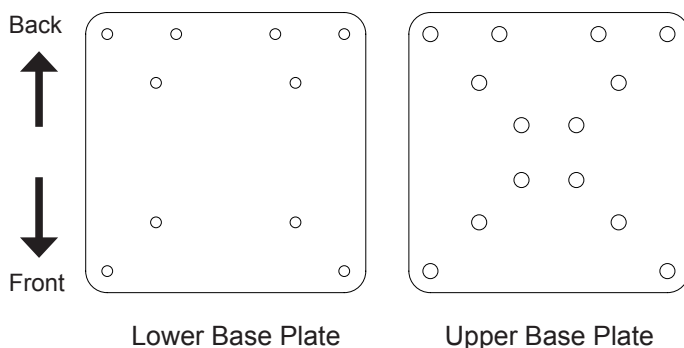
(Fig. F)

Assemble P-500 in X-style Leg

Setting up the P-500 in the X-style allows the stand to be placed anywhere due to the larger footprint and maximum stability of the X.

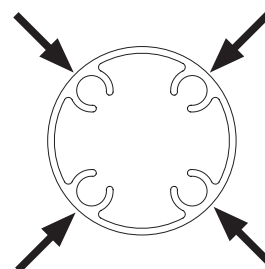
It also allows you to install extra bike cradles and/or optional attachments on the back side (max number of bikes is 4). Please note, setting the stand up in the X-style does require more floor space.

- 1** First of all, confirm the Base Plates. They are not the same.
The upper side plate (will be attached to the Lower Pillar) has larger holes to allow the bolts putting through, and there are 4 holes in the center area for connecting to the Lower Pillar.
The lower side plate has smaller threaded holes, and there is no hole in the center area.
Please be sure that the hole pattern is not symmetric. The in-line 4 holes comes to backside. (see Fig. G)



(Fig. G)

- 2** Confirm the Lower Pillar direction.
Look at the pillar end, you will see four(4) C-shaped ribs inside.
If the C-shaped ribs are threaded, those must be at the bottom with the non-threaded end at the top. (see Fig. H)
(Upper Pillar has a plastic cap on its top)



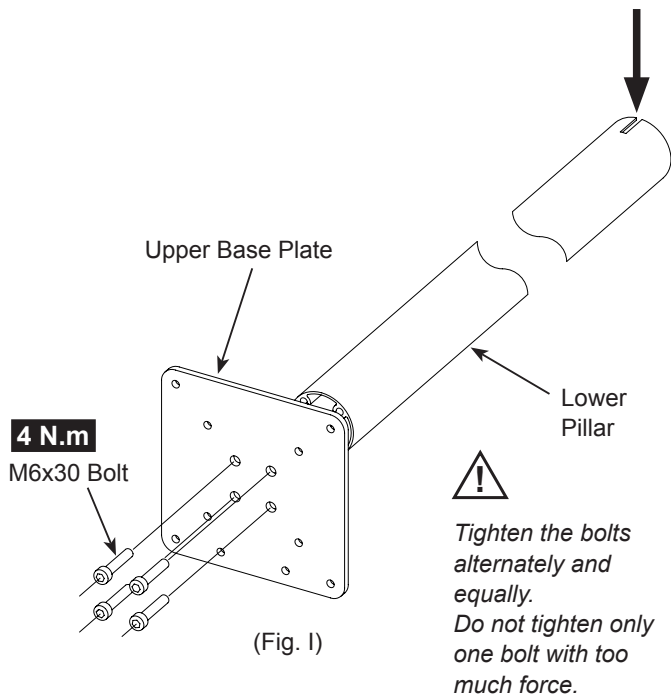
(Fig. H)

- 3** In the K-style leg pattern, the Lower Pillar direction has been fixed. But in the X-style, you can set the Lower Pillar at any direction as you want.

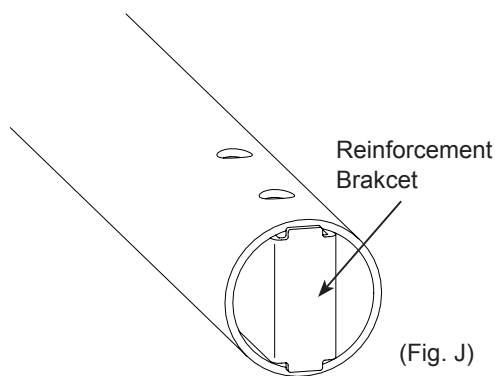
Set the Upper Base Plate to the pillar as shown in Fig. I.

Screw four(4) M6x30 bolts to the threaded C-shaped ribs in the Lower Pillar through the center holes. Tighten the bolts with the 5mm hex wrench. **(Tightening Torque = 4 N.m)**

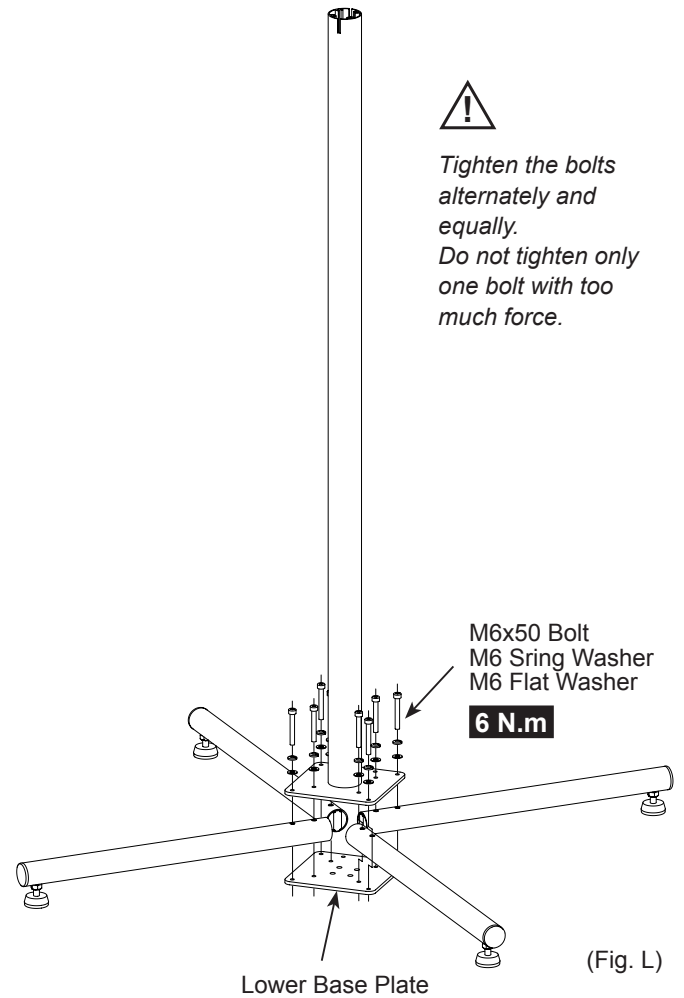
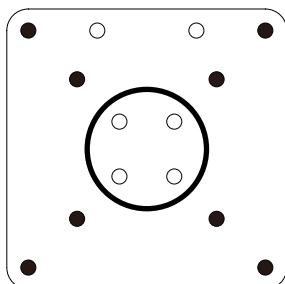
The direction of the cut out under the Pillar Joint Clamp is NOT fixed when using the X-style leg pattern



- 4** Install the legs.
All 4 legs are exactly the same size.
Each leg has an inner Reinforcement Bracket on its end to prevent the deformation when tightening the bolt.
Make sure this bracket is set in the deepest position in the tube. (see Fig. J)
Do not use the leg without the bracket.



- 5** Place 4 legs as the letter-X.
Sandwich them with the Upper and the Lower Base Plates. Put eight(8) M6x50 bolts into the holes (marked in black) on the Upper Base Plate, pass through the leg tube, and screw to the threaded hole. (Tightening Torque = 6 N.m)



About Foot Adjuster

The Foot Adjusters help to keep the stand stable with all points contacting the floor evenly.

Adjust the length by turning the rubber foot as to be the pillar stands vertical as perfectly as possible.
After fixing the length, screw the lock nut toward the leg, and tighten it with the 13mm spanner.

Join The Pillars

The pillars on P-500AL are separated, not a single piece.
Both pillars have same diameter, and the Pillar Joint fastens the pillars.
Pillar Joint has already been installed on the Upper Pillar.
You insert it into the Lower Pillar, then tighten the clamps to fix.

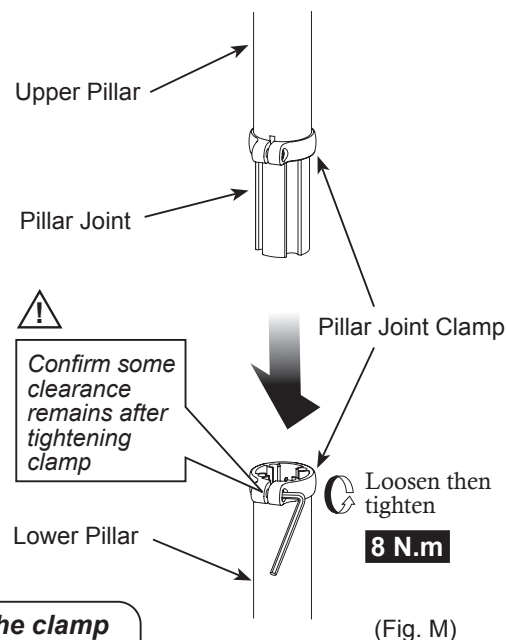
- 1** At first, loosen the clamp on the Lower Pillar using 5mm hex wrench.
- 2** Insert the Pillar Joint into the Lower Pillar.
- 3** While keeping both pillars tightly attached, tighten the clamp firmly.
(Tightening Torque = 8 N.m)



Regularly check if the clamp bolts are securely tightened. If these bolts have been loosened, the pillar could come apart and fall down.

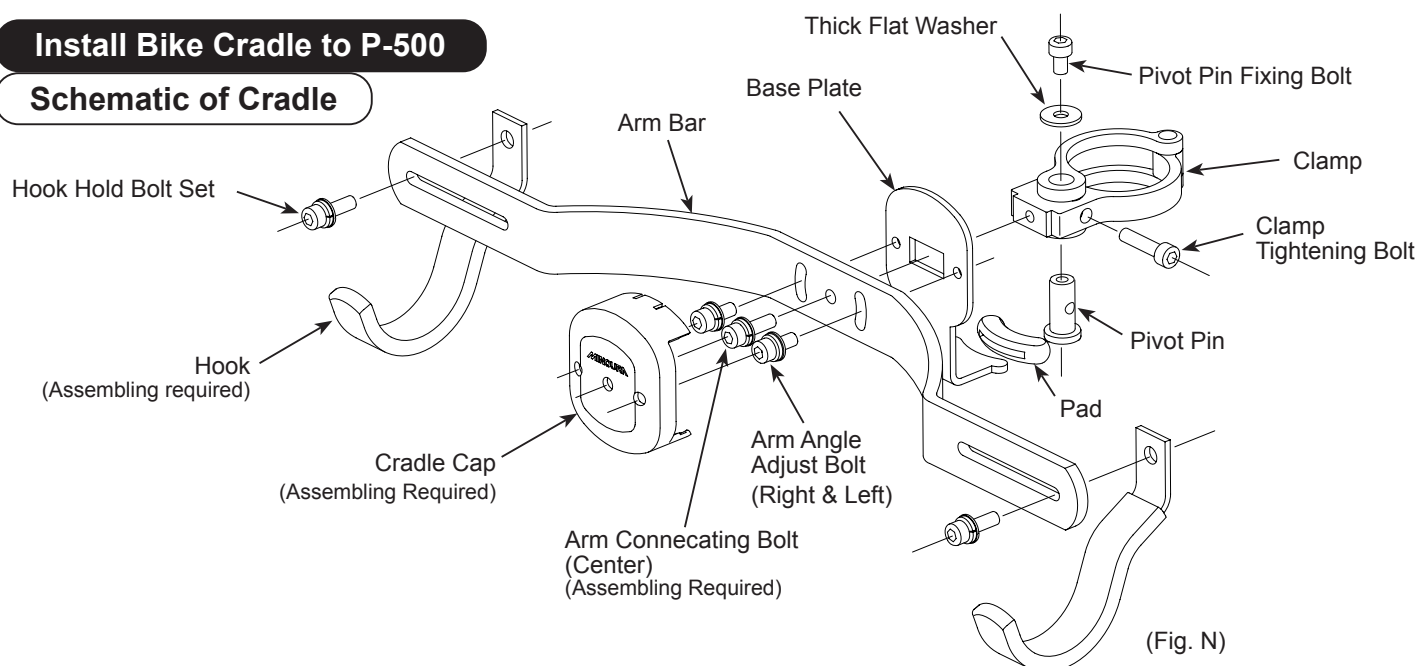


If you apply too much torque when tightening the bolt, the clamp may be deformed. If the clamp ends touch each other, it no longer works and you'll need to replace it with a new clamp immediately.



Install Bike Cradle to P-500

Schematic of Cradle



- 5mm Hex Wrench is required for assembling. (included)
- Both bike cradles are exactly same.
- It is different from the original cradle found on BikeTower25D on its hook position. It is 40mm further from the pillar in order to avoid conflicting the pedal to the pillar when it is rotated.
It is sold separately under the name of "Bike Cradle 25.2". When you need to add more cradles, choose this model.
- The gray plastic shim found on BikeTower series doesn't come with P-500 because the 45mm diameter pillar doesn't require such spacer. The shim is used only for the 40mm diameter pillar.

- 1** The clamp itself is pre-installed on each bike cradle.
All that is need to secure the cradle in place is open the clamp and turn it clockwise to tighten.

The bike cradle can be installed anywhere on the pillar.
But make sure the cradle faces the exact center if using the stand in the K-style configuration.



Do NOT remove the arm connecting bolt. Doing so will cause the cradle to come apart completely. Just loosen it slightly if you need to adjust the arm angle.

2

At first, insert the rectangle projection of the clamp into the square hole on the Base Plate. (see Fig. N)



Make sure the projection is perfectly inserted in the hole.

Failure to do so will cause serious damage to the clamp body because it is made of fragile light alloy.

If you have screwed the bolt into the thread hole on the clamp in any angled, not straight, the hole should be broken. It is impossible to repair the thread hole once it has been damaged, so you will have to replace the clamp at your own expense.



Remember that you can screw the bolt to the thread hole even if it's slightly angled. It's the destiny on the thread system itself. However, it will be terminated in a few rotations, and you will not be able to screw anymore.

If you misunderstand it that there is something disturbing in the hole and you force to continue screwing with tool, the thread hole will have to be broken.

It is crucial that you screw the bolt in the first few rotations by finger, and then use the tool after confirming you can screw smoothly.

3

Connect the Arm Bar and the clamp. Put the supplied M6x20 bolt into the center hole on the Arm Bar, and screw into the thread hole on the clamp with 5mm hex wrench.

4

Install the hooks on both end of the Arm Bar. The hook position is adjustable in the long hole to fit various types of bike frame as much as possible.

5

Put the Cradle Cap on the Base Plate. Hook the top cap end first, adjust the position, and push down the bottom end to the Base Plate.

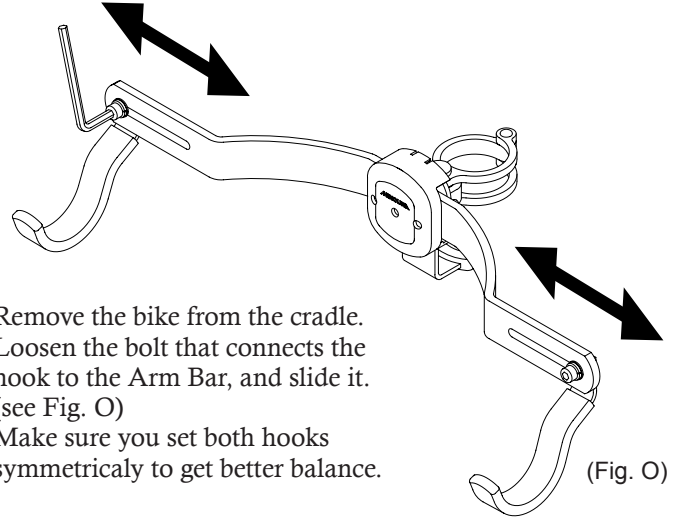


After installing the Cradle Cap, you can just insert the hex wrench from the hole on the cap, you don't have to remove the cap for cradle angle adjustment.

Cradle Angle & Width Adjustment

In order to fit the holding condition to most bike frame sizes or sloping angles as perfectly as possible, the hook is angle and position adjustable.

How To Slide Cradle Arm



Remove the bike from the cradle. Loosen the bolt that connects the hook to the Arm Bar, and slide it. (see Fig. O)

Make sure you set both hooks symmetrically to get better balance.

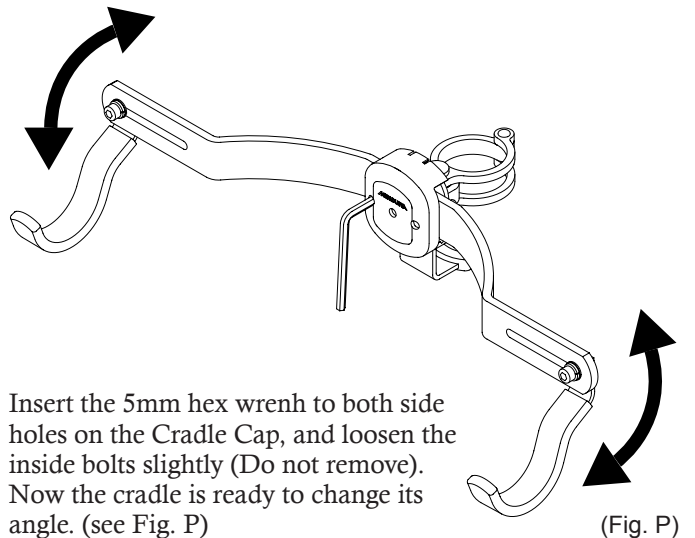
(Fig. O)



Do not try to change the hook position while the bike is on the cradle.

The hook may be removed from the bar suddenly and the bike falls off.

How To Adjust Arm Angle



Insert the 5mm hex wrench to both side holes on the Cradle Cap, and loosen the inside bolts slightly (Do not remove). Now the cradle is ready to change its angle. (see Fig. P)

(Fig. P)

After setting the angle, tighten both bolts firmly again.

Mounting Your Bike

To mount your bike on the P-500, place the hooks under the crossing sections of the frame tubing. You should set the hook distance as wide as possible for greatest stability.

On a normal diamond type frame, you will hook the top-tube with both hooks, but in the case of sloping frame or other specially designed frame, you can change to another point such as behind the seat-tube to avoid slippage problem. (see Fig. Q)

Choose the most stable section for maximum safety.



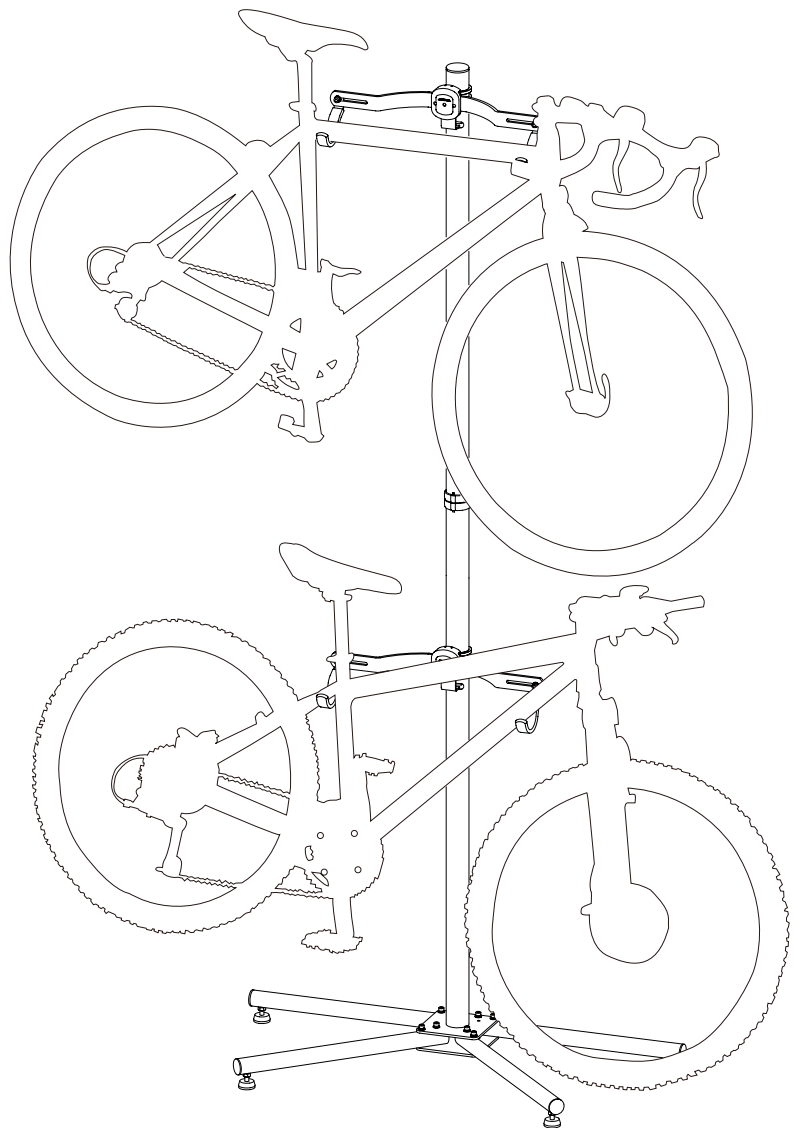
If the bikes front wheel is positioned higher than the rear, the front wheel may move side-to-side. This could cause incidental damage to your bike if the handle bar or brakes or other parts come in contact with your frame.

Adjust the bike accordingly to avoid incidental contact. Or we strongly recommend you to connect the front wheel and the down-tube with a strap belt.



You should mount the heavier bike on the bottom cradle and the lighter bike on the top cradle for the better weight balance.

If you take the bike off from the bottom cradle and another bike remains on the top cradle only, please pay attention to the balance in order to avoid the bikes causing the stand to tip or fall down.



(Fig. Q)

Warranty Period

Minoura offers **1-year limited warranty** from the date of your purchase. Any problem cause by manufacturer defect or workmanship will be covered under this warranty. But any trouble caused by user's misuse, wrong assembling, unapproved modification, natural calamity or shipping damage will not be covered under this warranty.

For more detail, please refer the attached "**Minoura Limited Warranty Policy**" card in the kit. And we recommend you to checkout Minoura's web site regularly for the latest information.

Stain To Bike Frame



The hook material may leave stain to the bike frame finish, especially on the light color such as white. To avoid this kind of problem, we recommend you to put a piece of bar-tape on the hook or wrap the hook with bandage in order to prevent touching each other directly.

How To Re-install The Cradle

Required Tool : 5mm Hex Wrench

Depending on the bike size or the installed options on the pillar, you may need to change the bike cradle from the original position.

P-500's pillar diameter is exactly same from top to bottom, that means you can move the cradle to anywhere you want by just loosening the clamp. However, the action of moving the clamp widely by just loosening the clamp may leave scratches on the pillar. If you don't prefer it, we recommend you to remove the clamp completely and reinstall it.

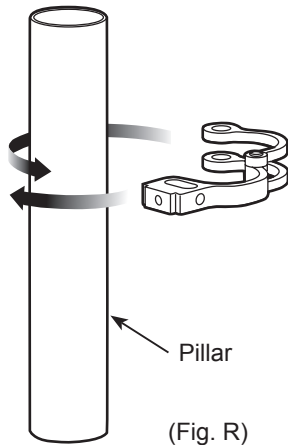
- 1** To change the bike cradle position, you can do it while the cradle is on the clamp, and just remove the clamp only.

Remove the Pivot Pin Fixing Bolt from the top. Remove the Clamp Tightening Bolt and then remove the Pivot Pin.

Now the clamp can be released from the pillar.

- 2** Wind the clamp arms around the pillar. (see Fig. R)

(The following description is set as the single side arm is on YOUR right, and the double side arm is on YOUR left.)



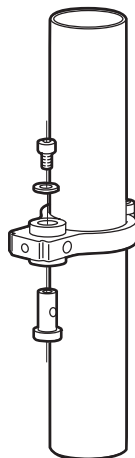
(Fig. R)

- 3** Put the Pivot Pin through all 3 holes on the clamp band from bottom side, and screw the Pivot Pin Fixing Bolt with the thick flat washer temporarily. (see Fig. S)



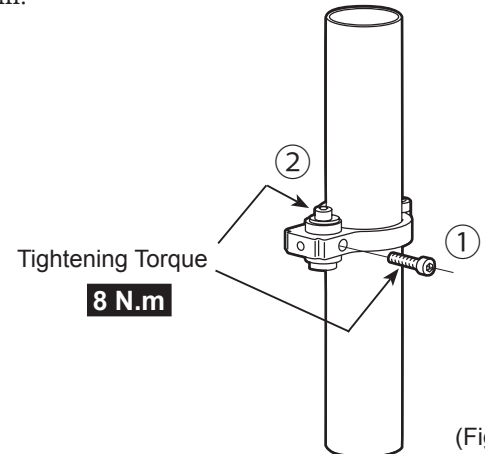
Make sure to insert the Pivot Pin from the bottom. If you don't, you will not be able to tighten the bolt using a hex wrench.

Do not tighten the Pivot Pin Fixing Bolt firmly yet. Doing so will make the next part more difficult.



(Fig. S)

- 4** Turn the Pivot Pin to align the thread hole to the side hole on the clamp band. Screw the Clamp Tightening Bolt into the Pivot Pin.



(Fig. T)

- 5** Tighten the Clamp Tightening Bolt first. After that, tighten the Pivot Pin Fixing Bolt firmly. (see Fig. T)
(Tightening Torque = 8 N.m)

To Move Clamp Slightly

- 6** When you move the clamp just slightly, loosen (not remove) the Pivot Pin Fixing Bolt and the Clamp Tightening Bolt only. After that, tighten both bolts firmly again.



You need to loosen the bolts enough, otherwise the clamp may leave scratch on the pillar. It's crucial to move straight, not twist.