

(Image: P-500AL-5S in K-style leg)

FEATURES

- Save vast amounts of space by storing two bicycles in a single space.
- Alloy pillar is light weight and rust proof, but durable. Max load is 100 kgs.
- Legs are switchable between K-style and X-style depending on the number of bikes or setup location.
- Updated alloy clamp securely holds the 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.
- Individually angle adjustable arm fits any type of bike frame.

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.*

- *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.*
- *Follow the correct order for tightening the screws. Failure to do so may lead to improperly tightened screws.*
- *When you setup the legs in K-style, the stand should be placed next to a wall to prevent the stand from tipping over backwards. Do not install any optional attachment on the backside of the pillar to maintain a safe balance. When you setup the legs in X-style, these won't be a problem.*

Contact

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.

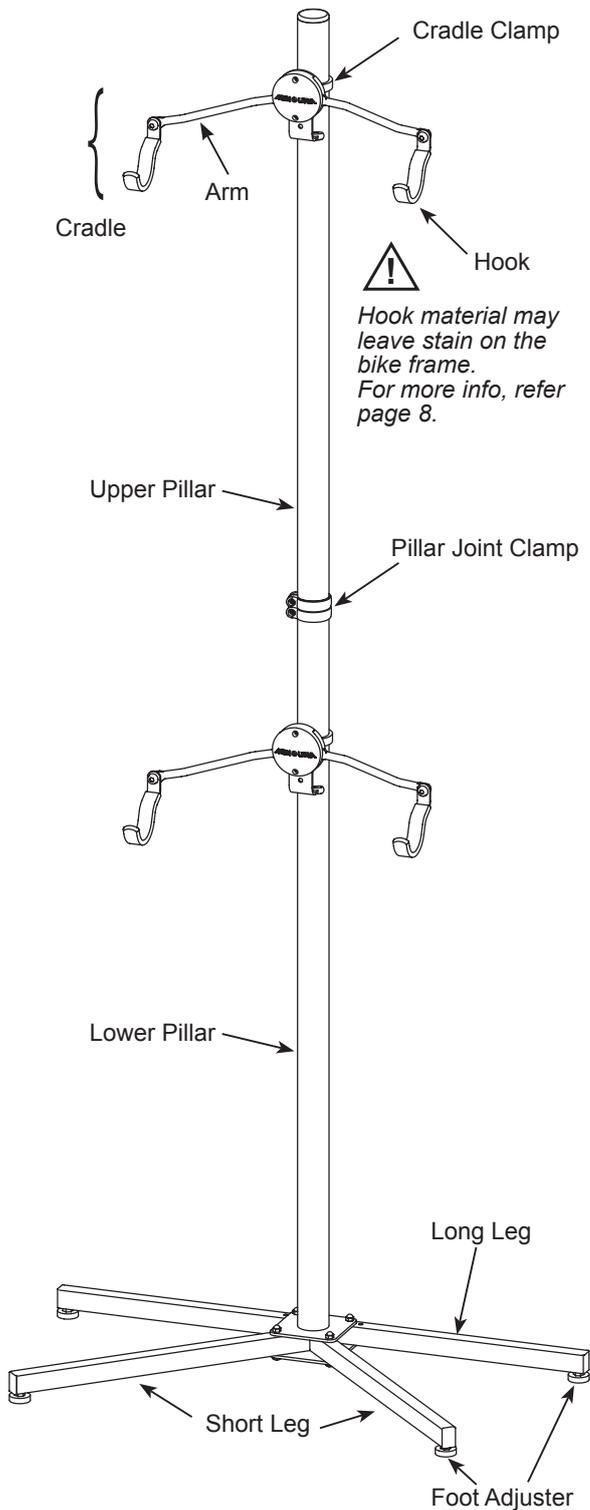
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Part Name



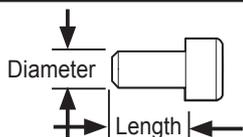
Required Tools

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

(We strongly recommend to use the fatter No.3 screwdriver instead of standard No.2)

How To Read Bolt Size

(Unit: mm)



Ex) $\underline{6} \times \underline{30}$
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

Attach two Leg Brackets to the Pillar.

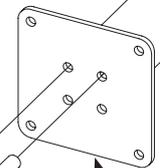
One is set directly, and another one is set beyond the silver Collars.

Do not tighten the M6x70 Bolts firmly yet. (see Fig. B)

Spring Washer

M6x70 Bolt

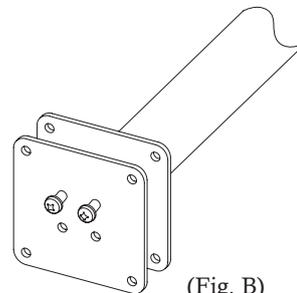
Pillar



(Fig. A)

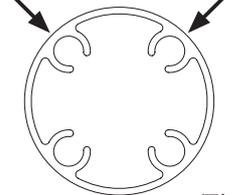
Leg Bracket (both are exactly same)

Collar (Silver)



(Fig. B)

Screw the bolts to these slots

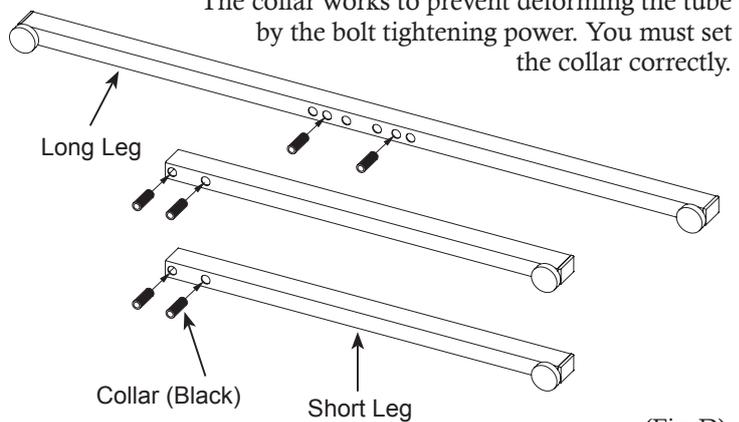


(Fig. C)

2

Put the black Collars to the designated holes (see Fig. D) on both Long and Short Legs. Collar is put from the larger hole.

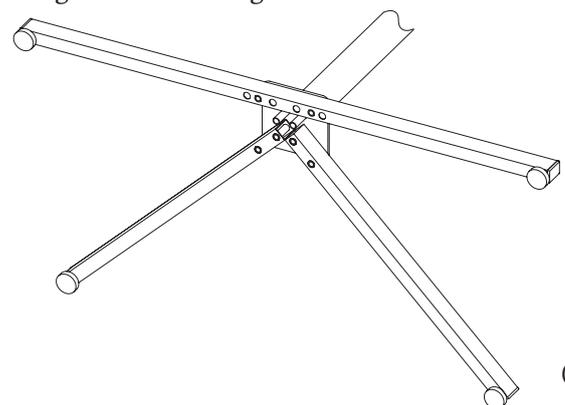
The collar works to prevent deforming the tube by the bolt tightening power. You must set the collar correctly.



(Fig. D)

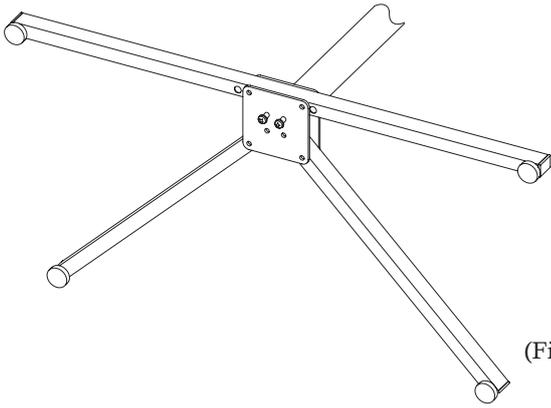
3

Place the legs as shown in Fig.E.



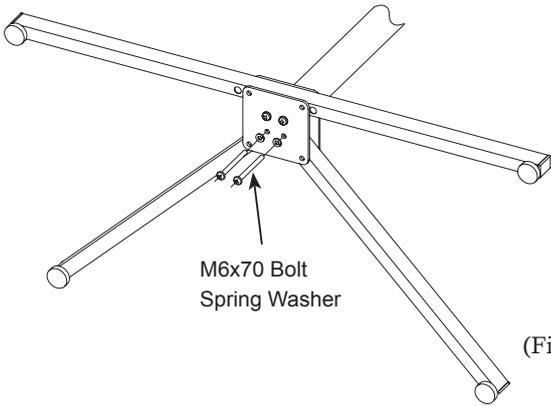
(Fig. E)

Inside layout is as shown in Fig.F.
 You will install short Legs first, so you don't have to set Long Leg at this moment.



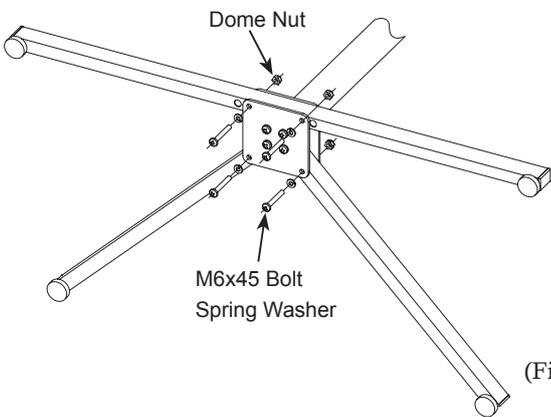
(Fig. F)

- 4** Put the longer M6x70 Bolt to the end hole on the Short Leg, then screw it into the Pillar.



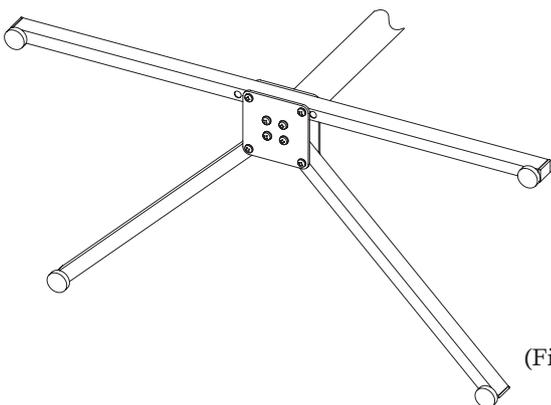
(Fig. G)

- 5** Put the shorter M6x45 Bolt into the corner hole to fix the Long and Short Legs. M6x45 Bolt will be screwed to the Dome Nut.



(Fig. H)

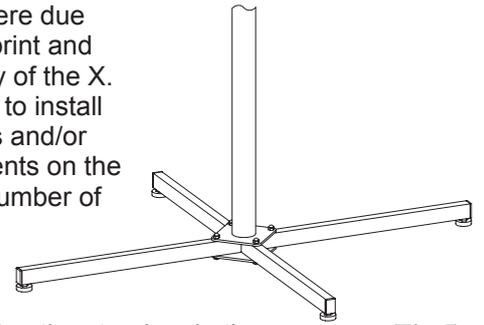
- 6** Tighten every bolt.
 Over-tightening the M6x70 Bolt may cause serious damage to the alloy Pillar. Do not overtighten.



(Fig. I)

Assemble P-500 in X-style Leg

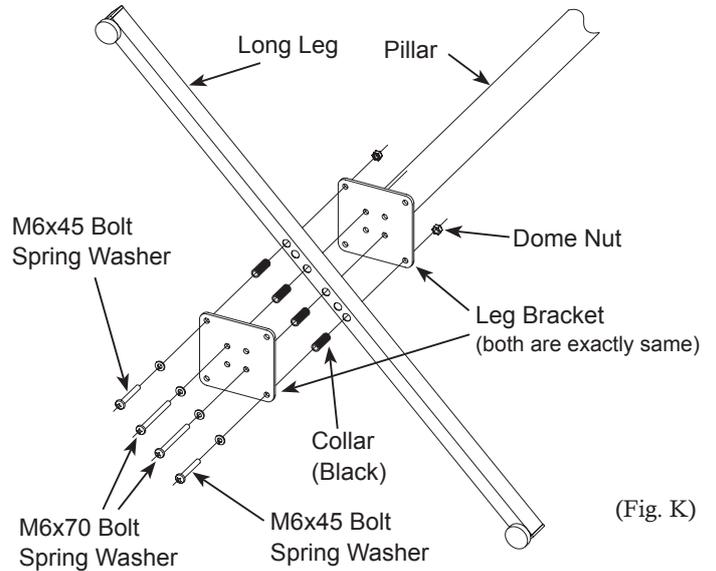
Setting up the P-500 in the X-style allows the stand to be placed anywhere due to the larger footprint and maximum stability of the X. It also allows you to install extra bike cradles and/or optional attachments on the back side (max number of bikes is 4).



(Fig. J)

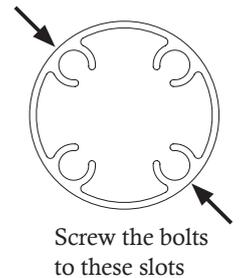
Please note, setting the stand up in the X-style does require more floor space.

- 1** Put 4 black Collars to the designated holes on the Long Leg. Sandwich the Long Leg with 2 Leg Brackets, then attach to the Pillar.



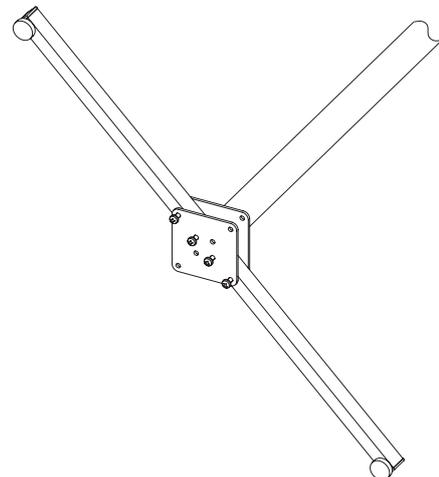
(Fig. K)

Use the longer M6x70 Bolts to the center 2 holes for screwing into the Pillar. Use the shorter M6x45 Bolts to the outer holes, then screw to the Dome Nuts. Every bolt should not be tightened firmly yet.



Screw the bolts to these slots

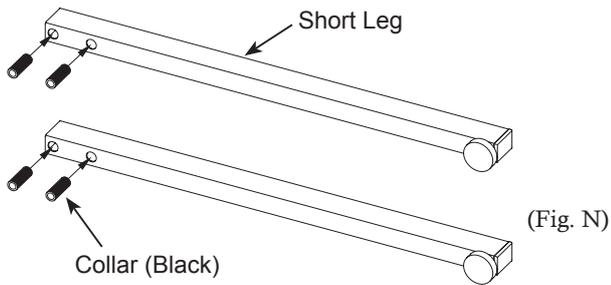
(Fig. L)



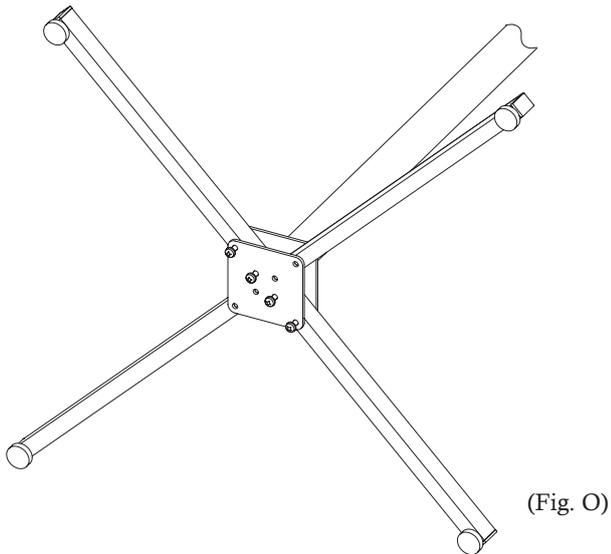
(Fig. M)

This is the image after every bolt is screwed in.

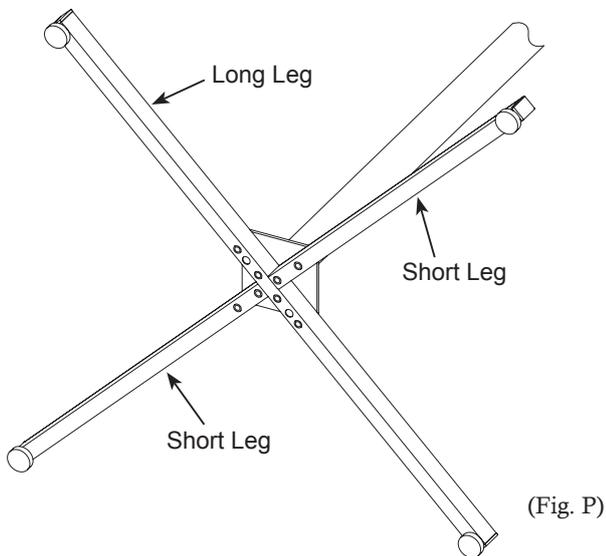
- 2** Put the black Collars to all holes on the Short Leg. Collar must be inserted from the larger hole.



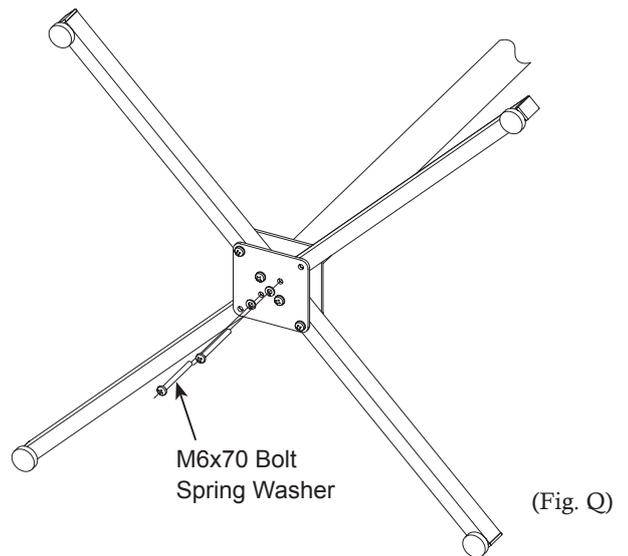
- 3** Set the Short Legs as they make "X" shape.



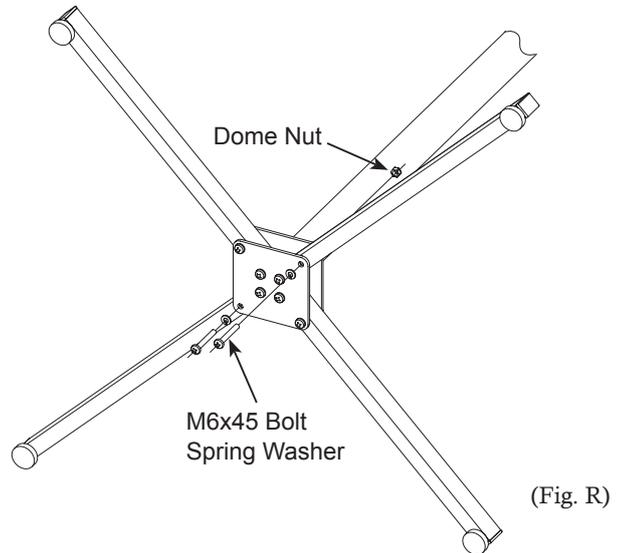
Inside layout is as shown in Fig. P.



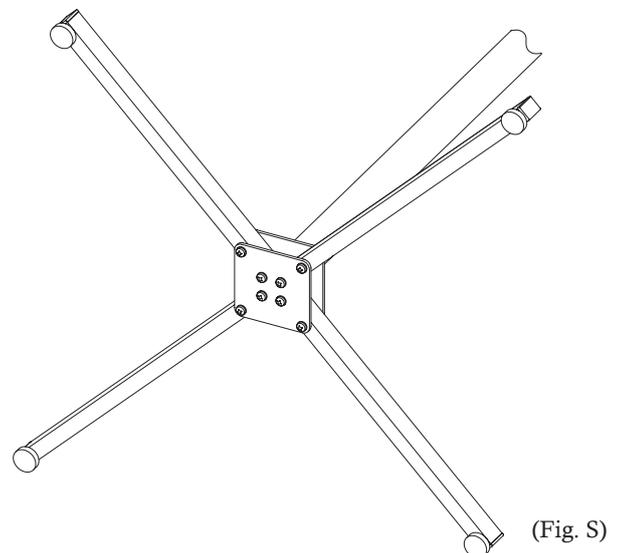
- 4** Put the longer M6x70 Bolt to the end hole on the Short Leg, then screw into the Pillar.



- 5** Put the shorter M6x45 Bolt to other hole, sandwich the Short Leg with two Leg Brackets, then screw to the Dome Nut.



- 6** Tighten every bolt. Over-tightening the M6x70 Bolt may cause serious damage to the alloy Pillar. Do not overtighten.



Joint the Pillars

The pillars on P-500AL-5S are separated, not a single piece like as previous model. Both pillars have same diameter, and the pillar joint fastens the pillars. The pillar joint has already been installed on the upper pillar. You insert it into the lower pillar, then tighten the clamps to fix.

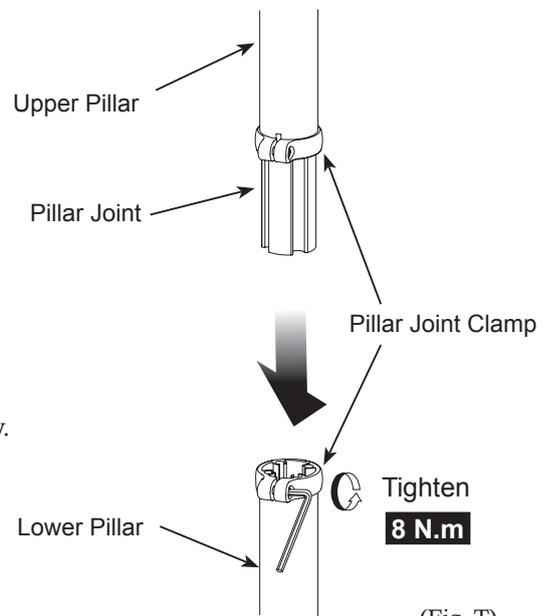
- 1** At first, loosen the clamp on the lower pillar by M5 hex wrench.
- 2** Insert the pillar joint into the lower pillar.
- 3** While keeping both pillars are tightly attached, tighten the clamp firmly. (tightening torque: 8 N.m)



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



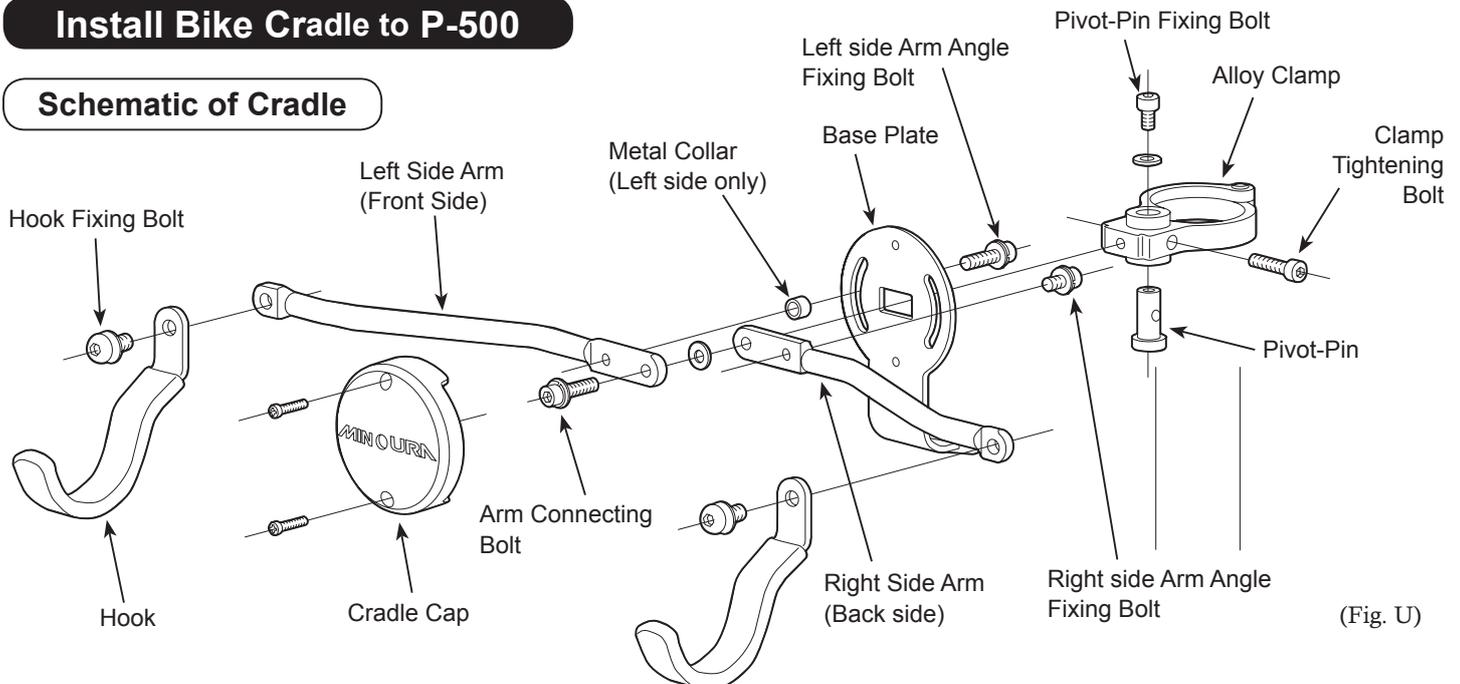
If you apply too much torque for tightening the bolt, the clamp may be deformed. If the clamp ends touch each other, it no longer works and you need to replace to a new clamp for your safety.



(Fig. T)

Install Bike Cradle to P-500

Schematic of Cradle



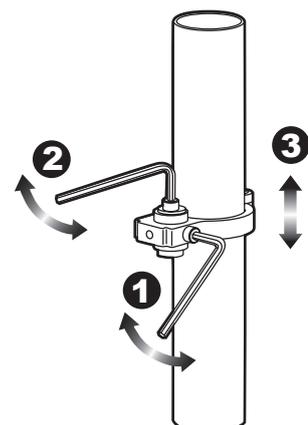
(Fig. U)

- Two Bike Cradles are exactly same.
- Arm on P-500AL-5S is the bent type which is different from the one found on BikeTower10. This design allows to place the bike a little further from the Pillar to help prevent scratching. The same cradle is sold separately under the name of "Bike Cradle 4". Use this type for adding attachment.

- 1** The clamp band is pre-installed on the pillar and it's temporally tightened. Change the clamp position to your favorite location.

Bike Cradle can be set at any height and any angle on the Pillar, but you must set it on the front side only on P-500, not angled, when you setup in K-style leg.

To change the clamp position, loosen 1) the clamp tightening bolt and 2) the pivot-pin fixing bolt by the supplied M5 hex wrench, then 3) slide gently.



(Fig. V)

 **Loosen both bolts to adjust, not only the Clamp Tightening Bolt.**

 **The clamp band may scratch the pillar if adjusted height roughly. Use caution when moving the band.**

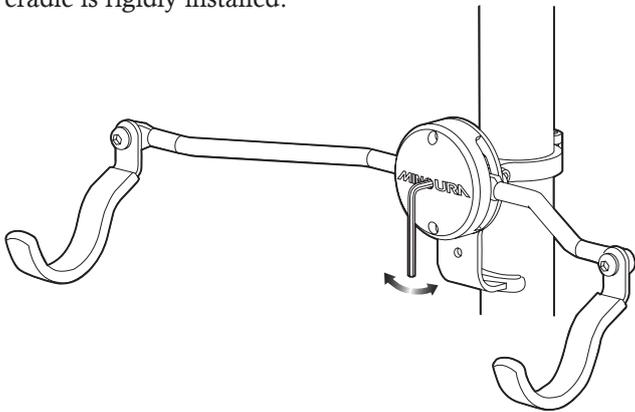
 **The bike cradle MUST only be installed on the front side. Failure to do so will cause the stand lose balance and possibly topple over.**

After adjusting, tighten BOTH bolts firmly.

2

Install the Hooks to the pre-assembled bike cradle. Attach the Hook from the foreside of the Arm.

Next, install the bike cradle to the Alloy Clamp. Make sure there is a rectangle hole on the backside of the Base Plate. It will be connected to the Clamp body. Tighten the Arm Connecting Bolt (hidden in the plastic cap) through the center hole on the Cradle Cap until the bike cradle is rigidly installed.



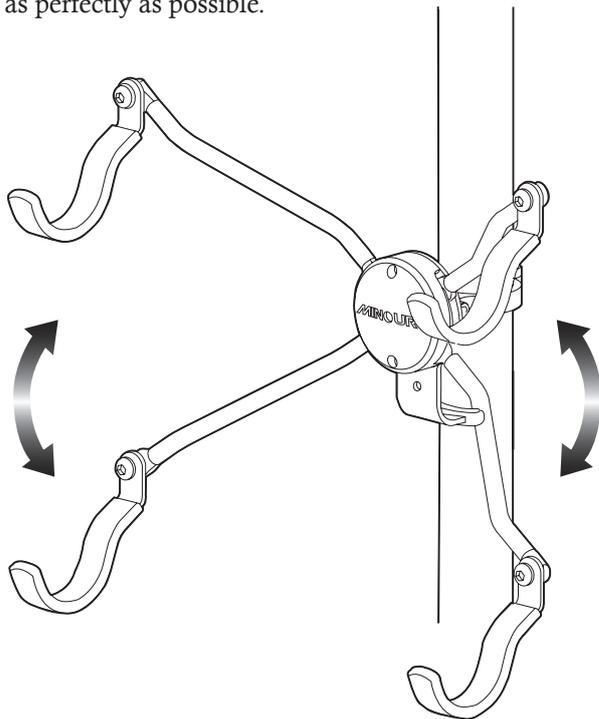
(Fig. W)

 **If it's hard to screw the Arm Connecting Bolt, you can loosen both bolts on the clamp slightly and change the arm angle to be horizontal. It should make the job easier.**

 **When tightening the bolt to install the Bike Cradle onto the Clamp body, screw it gently in the beginning at least 3 rotations, then tighten strongly by using a tool. If you tighten the bolt strongly by using the tool from the beginning, you may break the thread on the alloy clamp hat means you will need to buy and replace a new clamp.**

3

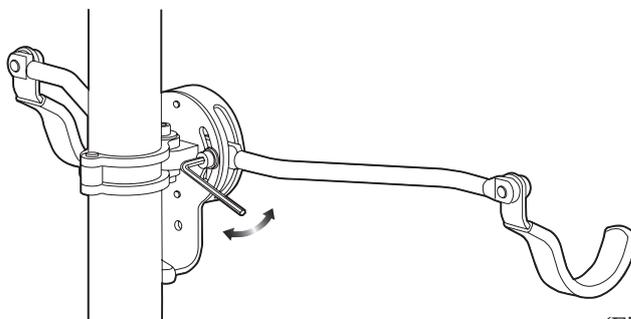
The arms are independently angle adjustable in the range of +/- 35 degrees in order to fit to various types of bike frame as perfectly as possible.



(Fig. X)

To change the arm angle, loosen the Arm Connecting Bolt through the center hole first, loosen the backside Arm Angle Fixing Bolt on each arm, then change the arm angle by hand.

After adjusting, make sure you tighten both center and backside bolts firmly.



(Fig. Y)

 **We do not recommend you to set both arms upright. You should set the arm which supports main load to horizontal or lower angle.**

 **If the bolts are not firmly tightened, the arms may move and cause the bike to fall off the hooks. Make sure the bolts are tightened correctly.**

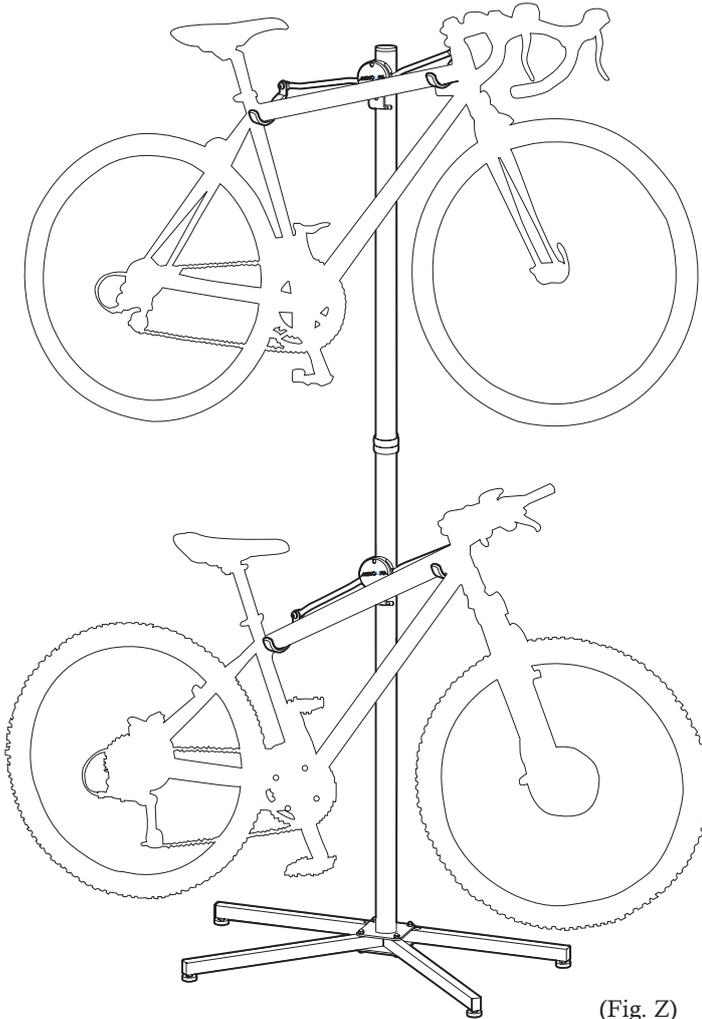
Mount Your Bike

To mount your bike on P-500AL-5S, 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.

Choose the most stable section for maximum safety.



(Fig. Z)



If the bike's front wheel is placed higher than the rear, the front wheel may move side-to-side.

This could cause incidental damage to your bike if the handle bars 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.

How To Reinstall Clamp Band

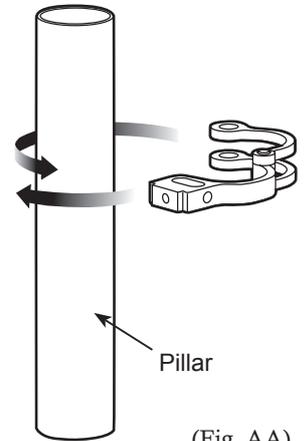
The clamp bands come pre-installed and they should not need to be removed. However, there may come time when adding options to P-500AL-5S that you will need to remove them.

Install the clamp properly as instructed below. Failure to do so may cause parts damage or bike falling off accident.

1

Wind the clamp arms around the Pillar.

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



(Fig. AA)

2

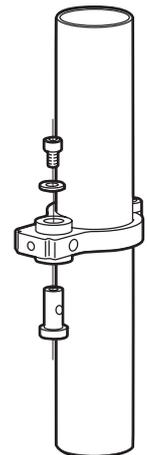
Put the Pivot-Pin through all 3 holes on the clamp band from bottom side, and screw the Pivot-Pin Fixing Bolt with a flat washer temporarily.



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. The next job will become difficult.



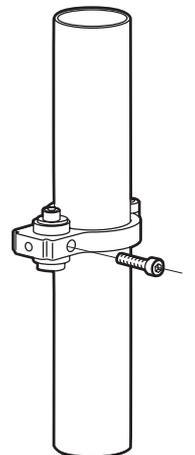
(Fig. AB)

3

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.

To fix the clamp band firmly, tighten the Clamp Side Pin first then tighten the Pivot-Pin Fixing Bolt later.

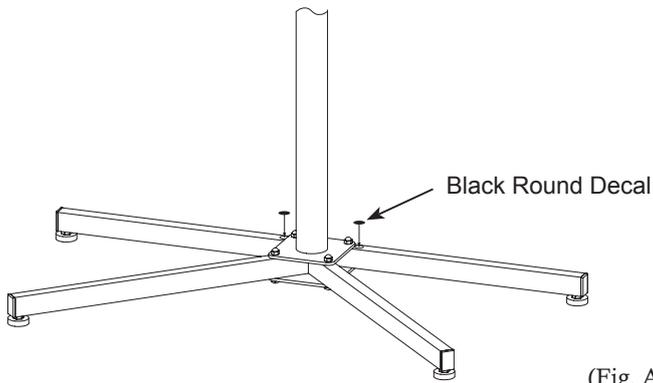


(Fig. AC)

Using Black Round Decal

If you wish to hide the holes beside the Leg Bracket when setting up in K-style leg configuration, put the supplied black round decal onto the hole.

You will not use them when setting up in X-style.



(Fig. AD)

Warranty Period

Minoura offers 1-year limited warranty from the date of your purchase. Any problem caused by manufacturer's defect and wrong workmanship will be covered by this program.

But any trouble caused by user's misuse, unapproved modification, natural calamity and every problem happened during shipment will NOT be covered by Minoura.

For more detail, please refer the attached "Warranty Program Instruction" card.

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 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.