

About Tightening Torque

The recommended tightening torque of the bolt on the stainless band is 5.2 N.m (= 46 lbf.in).

Too weak tightening will cause falling off problem when putting a bike on the cradle, and too much torque will break the stainless band.

Make sure you tighten the bolt with correct torque.

<Simple Calculation>

If you don't have a torque wrench, use the following formula to obtain correct tightening torque;

Apply 7.1 kgs (= 15.7 lbs) to the 75mm (= 3 inch) long hex wrench end.

Contact

If you have any questions or need help, you should contact the dealer where you purchased or the Minoura distributor in your country first. The distributor can be found on our web site. Only when you cannot get enough service, you can contact us.

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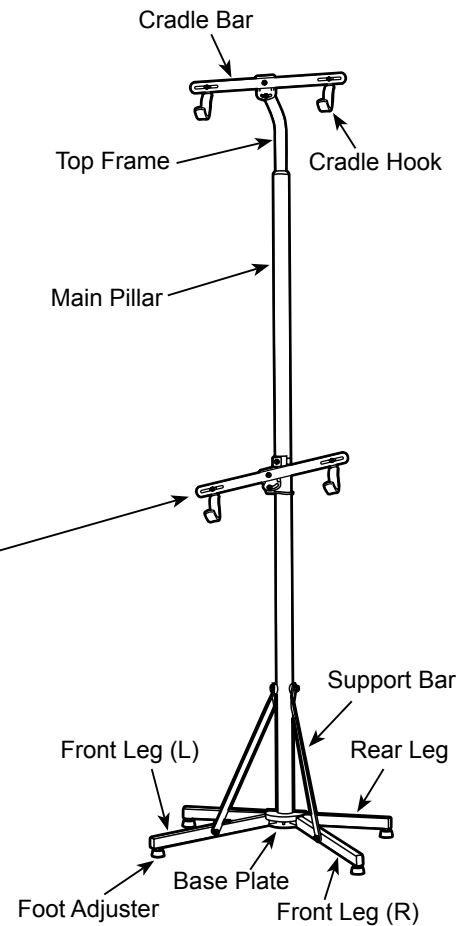
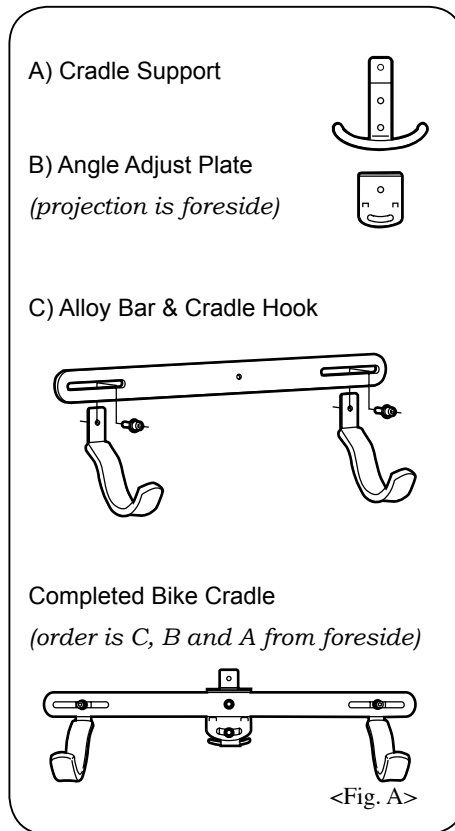
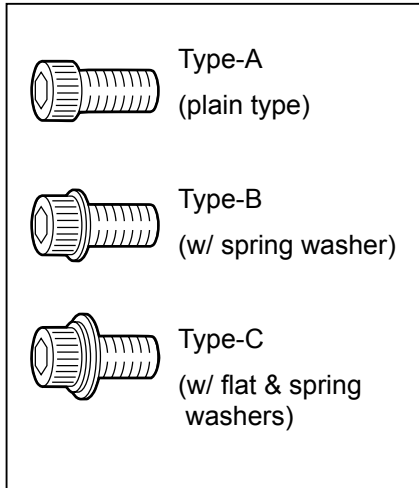
Web www.minoura.jp

MADE IN JAPAN

How To Setup Your P-500AL-2

Required Tools: 1 x 5mm Hex Wrench (included)
 1 x 10mm Spanner
 1 x 13mm Spanner

Bolt Variation



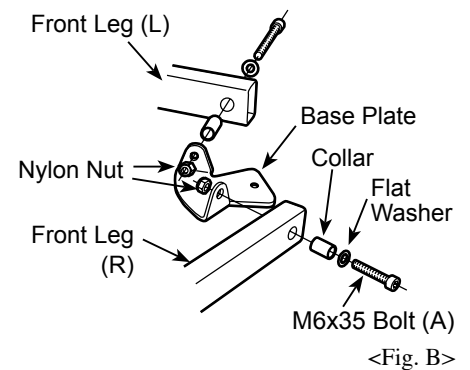
1 Connect both Front Legs to the Base Plate using the Collar, Flat Washer, M6x35 Bolt (type-A) and Nylon Nut. (see Fig. B)



Choose the Front Legs as the Support Bar locates INSIDE of each leg. If the bar is located outside, you won't be able to assemble the bars correctly.

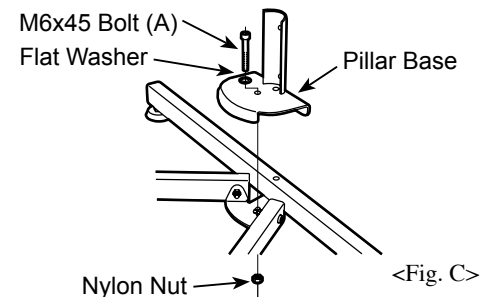


Be sure the Collar insertion direction is different on right and left side leg. Refer the Fig. B closely when assembling.



2 Place the Rear Leg on the assembled Base Plate and place the Pillar Base on top of the legs .

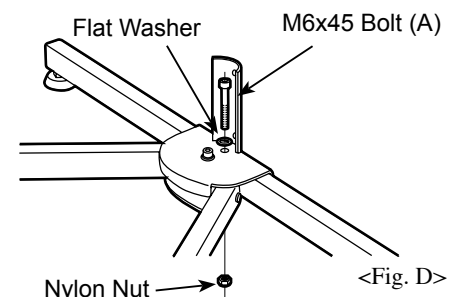
Insert the M6x45 Bolt (type-A) with a flat washer into the foreside hole on the Pillar Base, then tighten to the Base Plate. (see Fig. C)



In order to make the next step easier, do not fully tighten the bolt yet.

3 Insert another M6x45 Bolt (type-A) using a flat washer into the hole on the backside. Make sure the bolt goes through the center hole of the Rear Leg, then tighten it firmly. (see Fig. D)

Now tighten the first M6x45 Bolt (type-A) down firmly.



4 Put the Main Pillar over the Pillar Base, then screw the M6x18 Bolts (type-B) into the holes temporarily to hold the Main Pillar. (see Fig. E)

5 Raise up both Support Bars. Insert the Plastic Shim between the Support Bar and the Main Pillar, then tighten them with the M6x70 Bolt (type-A), M6 Flat Washer and Nylon Nut (see Fig. F). Tighten two bolts in Step-4 firmly.



Be sure the Support Bars are on the INSIDE of each Front Leg.

6 Attach the Cradle Hooks from behind of the Alloy Bar then screw the bolts from the front side. The hook distance will be adjusted later to fit the actual bike frame size. (see Fig. G)

7 Place the Alloy Bar onto the Angle Adjust Plate, then screw to the upper hole on the Cradle Support with the M6x20 (type-A) bolt. After that, screw the M6x14 (type-C) bolt to the lower hole. (see Fig. H)

8 Install each Bike Cradle to the Main Pillar. To install the Stainless Band Clip, follow the steps below;

- 1) Once disassemble the Stainless Band Clip.
- 2) Open the band and wind it around the Main Pillar.
- 3) Lap the band ends (see Fig. J). The end with a welded nut must be inward.

Make sure the welded nut is located at perfectly parallel to the Main Pillar. If not, adjust the bending angle.

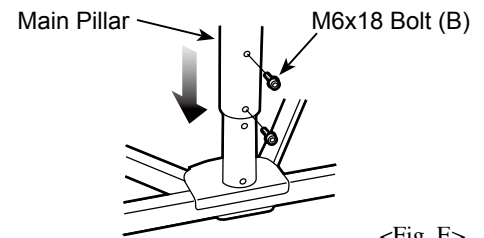
- 4) Attach the Plastic Bracket onto the band. It should be snapped in.
- 5) Put the bolt into the hole on the hook, then screw into the bracket gently.
- 6) Adjust the hook position and tighten the bolt firmly. (Tightening Torque: 5.2 N.m)



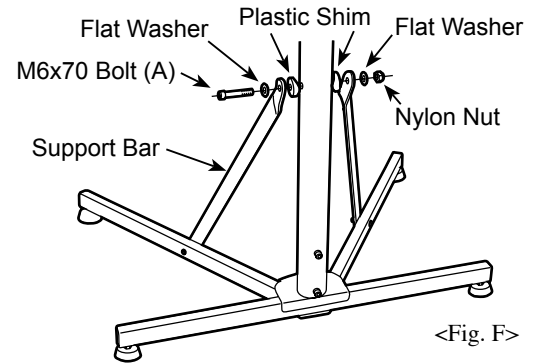
If the inside band end with welded nut has been angled against the bolt, you won't be able to screw the bolt in. Make sure the nut side end is properly set at right angle to the bolt. (see Fig. K)



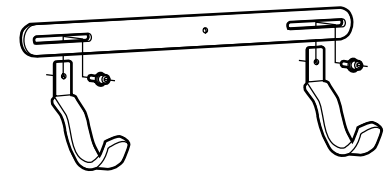
Do not push the bolt so much when screwing in. The band end will have to be bent and you are no longer tighten the bolt.



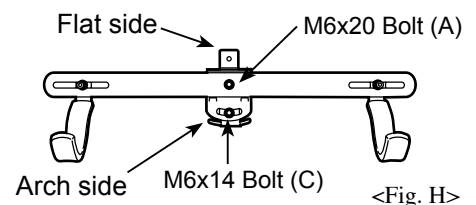
<Fig. E>



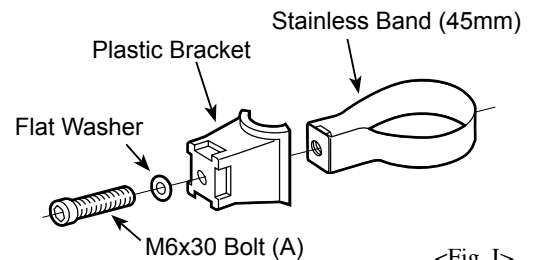
<Fig. F>



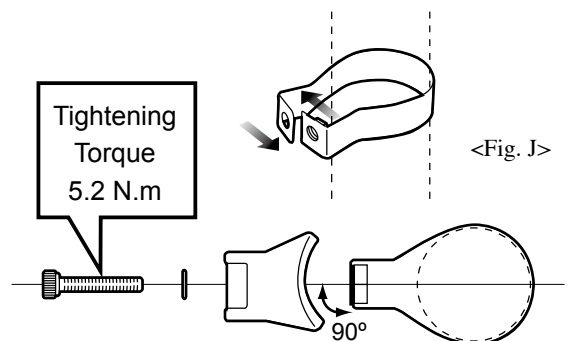
<Fig. G>



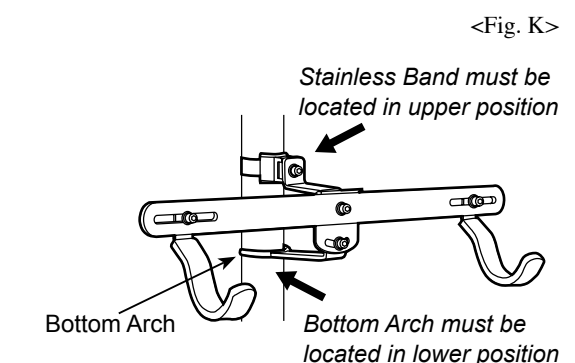
<Fig. H>



<Fig. I>



<Fig. J>



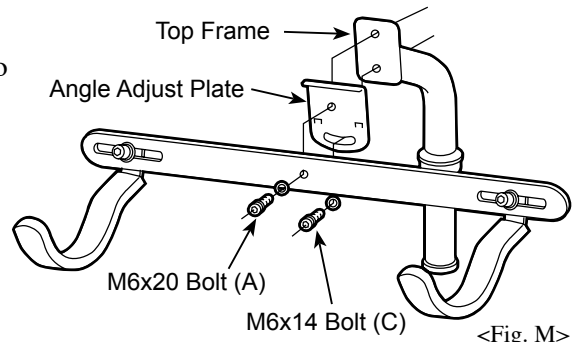
<Fig. L>

9

Assemble the upper Bike Cradle for the Top Frame.

Put the Alloy Bar onto the Angle Adjust Plate and install them to the Top Frame with bolts. (see Fig. M)

The upper bolt is M6x20 (type-A) with a spring washer, and the lower bolt is M6x14 (type-C).



<Fig. M>

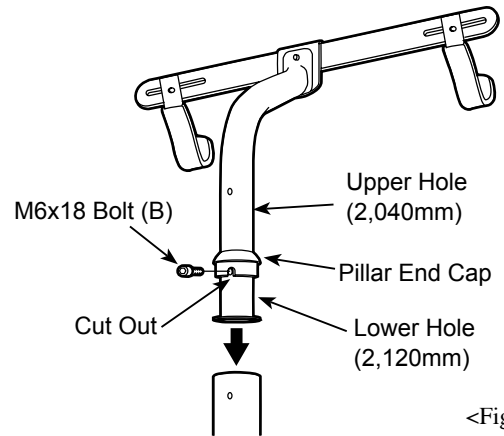
10

Insert the Top Frame to the Main Pillar. Make sure the cut out on the plastic Pillar End Cap faces backward and is just above the M6x18 bolt.

There are two holes on the Top Frame to adjust the stand height. Choose either hole to fit your ceiling height.

Tighten the M6x18 Bolt (type-B) firmly. (see Fig. N)

Stand Height: Using Lower Hole = 2,120mm (6' 11")
Using Upper Hole = 2,040mm (6' 8")



<Fig. N>

11

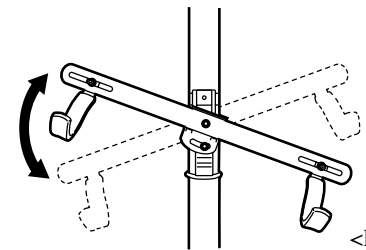
The Bike Cradle is angle adjustable to hold your bike stable.

Set the bike horizontal or make the front wheel a little lower than the rear wheel.

To adjust, loosen the lower bolt (not the upper bolt), adjust the angle, then tighten the bolt firmly again. (see Fig. O)



Do not adjust the angle too sharply or your bike may not stay securely on the stand.

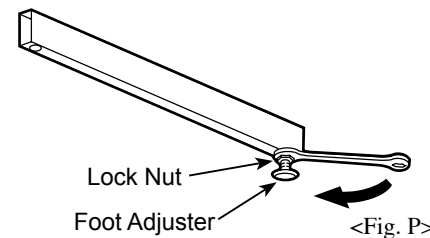


<Fig. O>

12

To display your bikes as securely as possible, the P-500AL-2 must stand vertical.

Using the Foot Adjusters, make sure all feet are contacting the ground evenly. Then tighten the Lock Nut using a 13mm spanner. (see Fig. P)



<Fig. P>

13

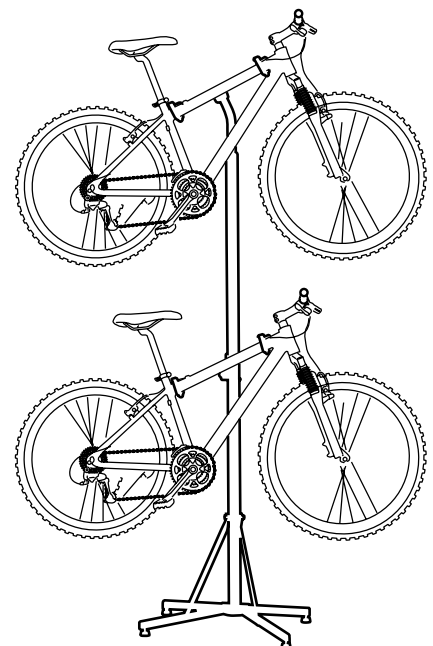
Place your bike on the Bike Cradle using both hooks supporting the top tube. The hook distance should be as wide as possible for greater stability. (see Fig. Q)



If your bike has a heavily sloping top tube, change to hook the juncture of the seat tube and seat stay to set your bike more stable.



If you have set the bike in the angle that the front wheel is located higher than the rear wheel, the handlebar and front wheel may turn rapidly due to the weight balance. To avoid this problem, you should set the front wheel a little downward.



<Fig. Q>