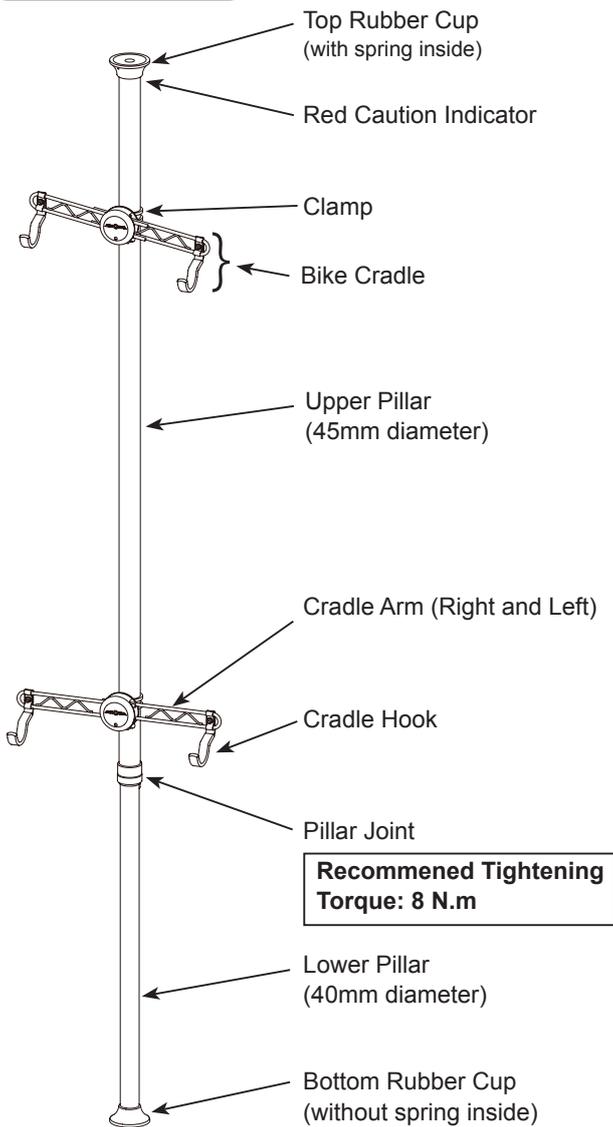


Thank you for choosing the Minoura **BikeTower 20**. BikeTower20 is a very convenient and easy to set up bike storage stand that can be installed in the room which ceiling height is between 1.7 and 3.1 meters.

BikeTower20 comes with two bike cradles, and it can be expanded up to 4 bikes and other items by installing optional bike cradles and attachments.

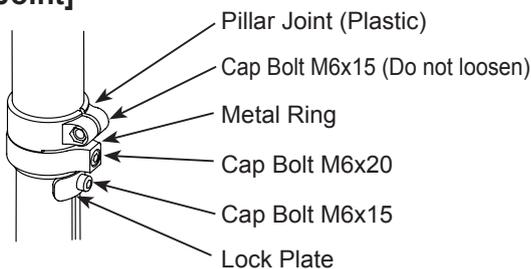
Read this instructions manual carefully before use for your safety, and keep on hand for future reference.

## Part Name



**Recommended Tightening Torque: 8 N.m**

## [Pillar Joint]



**Tightening Torque: 8 N.m**

## Important Notes

- **You must hold the top pillar against the ceiling or wall using the the supplied plastic tie to avoid the stand from falling during installation. Minoura will not be liable for any accident caused because these directions were not followed.**
- **For standard 2-wheel bike only. Not for use with tandems or long wheel base bicycles.**
- **Each bike cradle is rated to hold up to 25 kgs. If mounting heavy bikes, check the bolts often to make sure they are not loose.**
- **Check to make sure the pillar joint has remained secure by pulling down on the upper pillar after tightening the pillar joint bolt and the lock plate bolt. If the pillar has moved after tightening, discontinue using and contact your dealer or Minoura directly.**
- **The pillar is supported by the internal spring applying pressure to the ceiling. Make sure that the pillar comes in contact with a stud or other reinforced area of the ceiling otherwise the pressure may cause a break through dry wall or other non-supportive material.**
- **Adjust the pillar length correctly. If the red plastic appears in the upper rubber cup, it means the pillar is not adjusted properly (too short). Remove the BikeTower and extend the pillar slightly more.**
- **Do not use BikeTower upside down. The larger diameter pillar must be on the top (it's opposite to the previous BikeTower series). NEVER use BikeTower horizontally. It is for vertical use ONLY.**
- **The pillar must not be set at any angle. If the pillar is not completely vertical, the BikeTower may be loose and fall.**
- **The rubber cup material may leave a mark on some ceilings and/or floor. We recommend placing a small piece of fabric or paper between the rubber cup and the ceiling. Do not use a slippery material like a vinyl sheet.**
- **The coating on the cradle hook may leave a mark on your bicycle frame. We recommend wrapping a piece of bar tape on the hook where it comes in contact with the frame.**
- **This product is subject to change without prior notice as Minoura feels is necessary.**

## How To Set Up Pillar

1) Extend pillar, 2) Adjust pillar length, then 3) Install in room.

- 1** Loosen the M6x20 bolt on the black metal ring of the Pillar Joint (Do not loosen the upper bolt).  
Now the pillar is ready to extend.

- 2** Place the pillar on the floor, then expand the Upper Pillar to the ceiling.  
When the Top Rubber Cup reaches the ceiling, tighten the M6x20 bolt temporarily to fix the pillar length. This is the exact size between the floor and the ceiling without compressing the spring.

- 3** Remove the pillar and lay on the floor.  
You will extend the pillar 20mm more. (see Fig. A)  
1) Loosen the M6x20 bolt, 2) extend the Lower Pillar 20mm more, then 3) tighten the bolt firmly (tightening torque = **8 N.m**).  
Now you get the correct pillar length.

- 4** Loosen the M6x15 bolt, slide the Lock Plate along the groove on the Lower Pillar toward the Pillar Joint, then tighten the bolt firmly (**8 N.m**) when it touches the Pillar Joint.  
This works as a safety precaution to prevent the pillar from sliding even if the pillar joint has loosened.

- 5** 1. Place the upper rubber cup against the ceiling then push up to compress the internal spring.  
2. While keeping the spring compressed,  
3. Slide the Bottom Pillar and align it correctly while bringing it in contact with the floor. (see Fig. B)



**If you see red plastic part in the upper rubber cup when you setup BikeTower, it's the warning sign that the pillar is not extended enough. Remove from the ceiling, adjust the pillar length properly, and try to install again.**

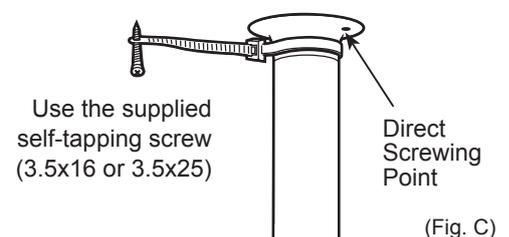
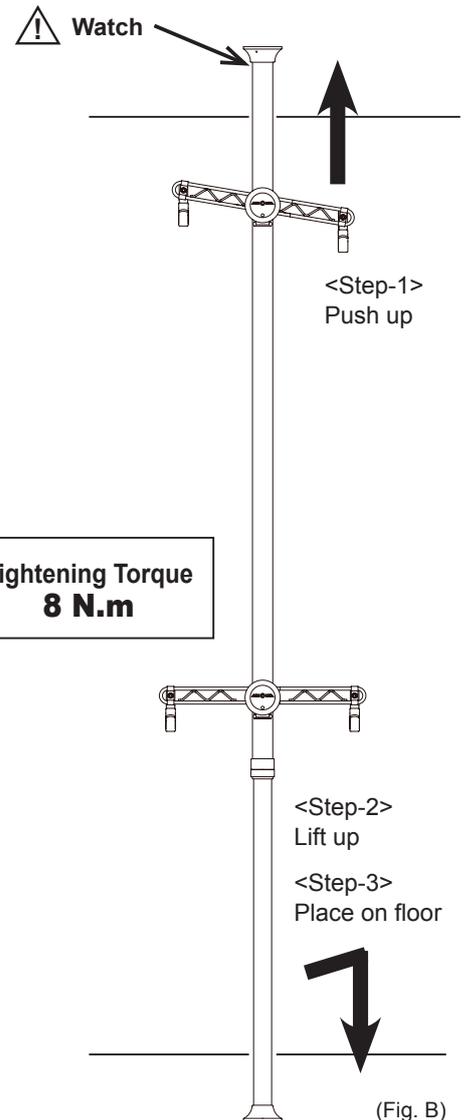
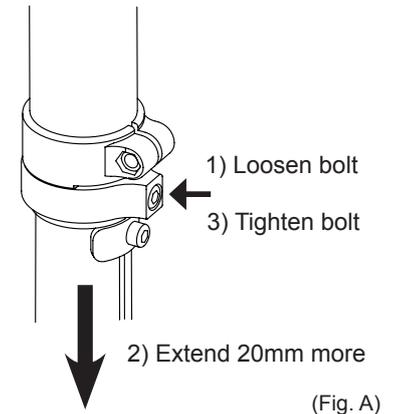
- 6** Grab the Upper Pillar and try to pull down in order to confirm if the Pillar Joint is locked properly.



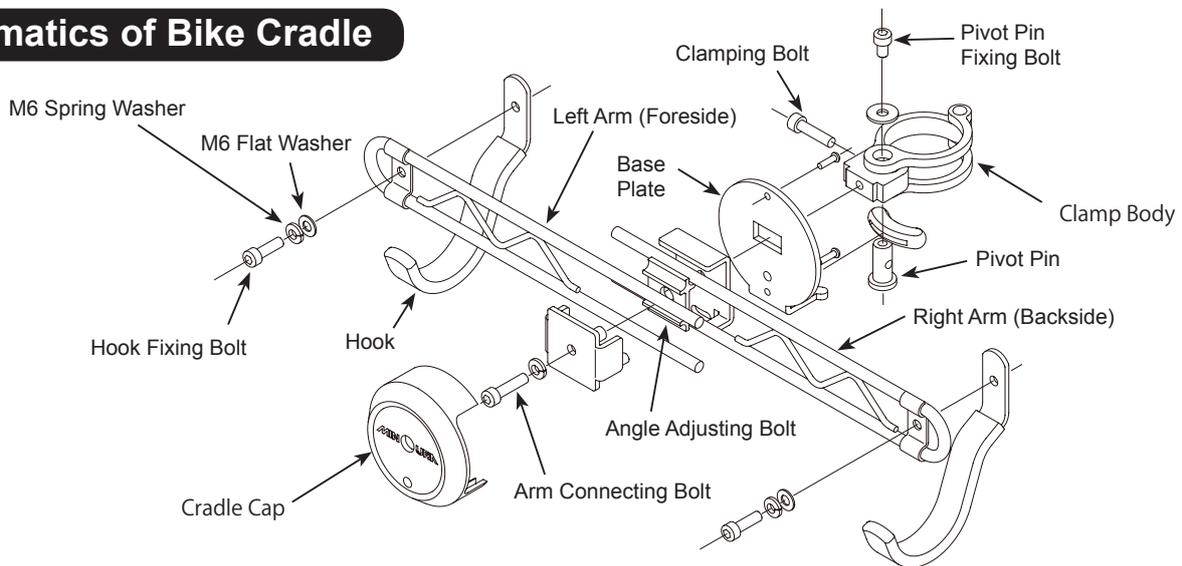
**This confirmation must be done. If the pillar has fallen down without this confirmation, Minoura will not be responsible to any damage caused by this accident. If the pillar has been shortened even if you setup properly, do not use the BikeTower and contact your local dealer or distributor in your country to get replacement parts.**

- 7** To avoid any chance of the pillar falling, hold the Top Pillar to the ceiling or the wall by the supplied plastic tie, or directly hold the top rubber cup to the ceiling by screwing at the designated point. (see Fig. C)  
It's not just a recommendation, but your duty.

Wrap the tie around the pillar just beneath the top rubber cup and wiring it, put the screw in the hole on the tip of the tie, then screw it to the ceiling or wall.  
Make sure the area you choose to place the screw has a solid backing such as a stud or similar. Do not install into Dry Wall only.



# Schematics of Bike Cradle



## How To Install Bike Cradle

- 1** The clamp body is pre-assembled on each bike cradle. You need to install it to the pillar. Follow the steps below;

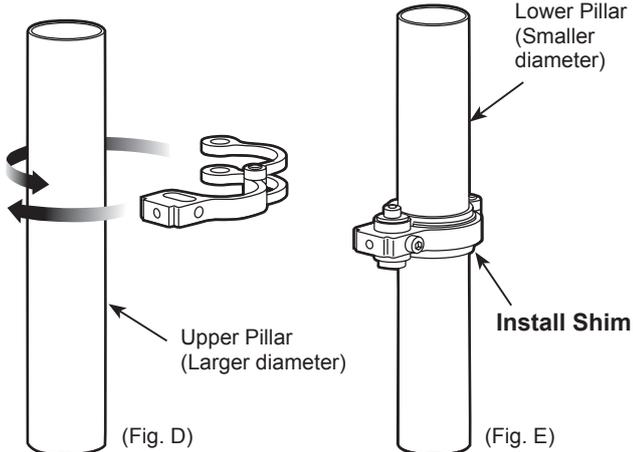


**Make sure you don't completely remove the Arm Connecting Bolt. If you do the part becomes unusable. Just loosen it without removing it when necessary.**



**The clamp is universal with no specific direction. But the pivot pin MUST come from the bottom. If you don't, you will be unable to tighten the bolt with your hex wrench.**

- 2** Remove the Clamping Bolt from the side, the Pivot Pin Fixing Bolt from the top and the Pivot Pin from the bottom in order to enable the opening of the clamp arms. (see Fig. D)



(Bike Cradle is deleted in this section for explanation.)



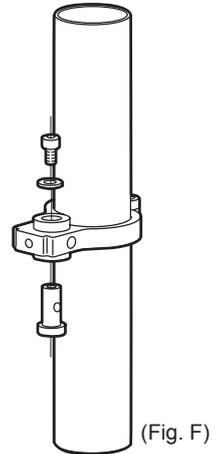
**When installing the clamp band to the smaller diameter Lower Pillar, you must put the Plastic Shim between the clamp band and the pillar as a spacer. Make sure the dual ribs are located on the single arm side. (see Fig. E)**

- 3** 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. (see Fig. F)

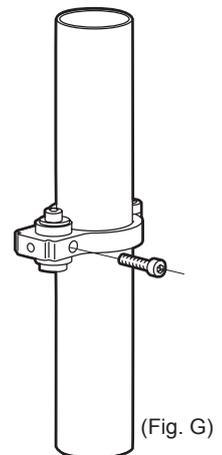


**Do not install the Pivot Pin from the top. You will not be able to use the hex wrench.**

Do not tighten the Pivot Pin Fixing Bolt firmly yet. If you tighten to much, the next step will become difficult.



- 4** Turn the Pivot Pin to align the thread hole to the side hole on the Clamp Band. Screw the Clamping Bolt into the Pivot Pin. (see Fig. G)

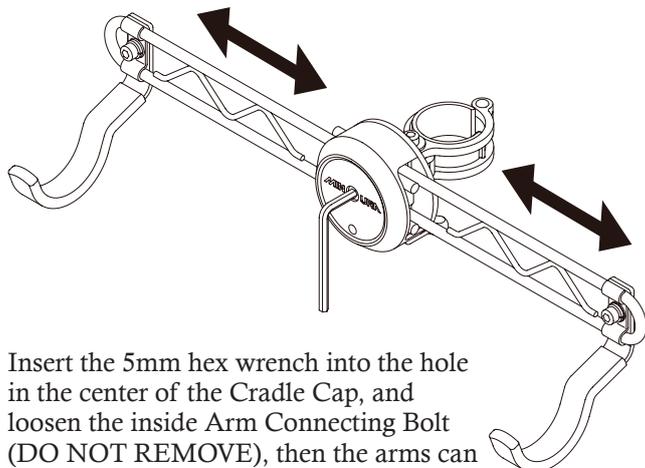


- 5** Tighten the Clamping Bolt first, then tighten the Pivot Pin Fixing Bolt firmly (8 N.m).

- 6** Install the hook to the Cradle Arm with the bolt.

The Bike Cradle Arm is size adjustable between 325mm and 415mm (the distance of the Hook Fixing Bolts) and also angle adjustable +/- 10 degrees in order to fit to various types of bike frame as perfectly as possible.

## How To Slide Cradle Arm



Insert the 5mm hex wrench into the hole in the center of the Cradle Cap, and loosen the inside Arm Connecting Bolt (DO NOT REMOVE), then the arms can move.

After adjustment, tighten the bolt firmly.

(Fig. H)

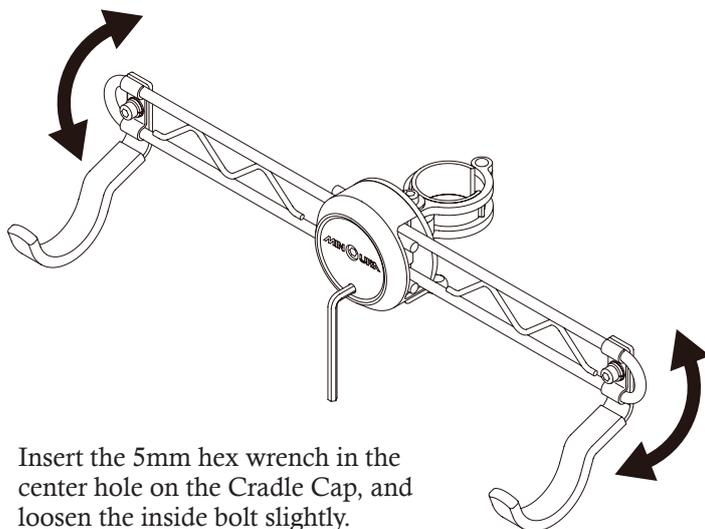


**Do NOT try to remove the Cradle Arm. Do not over-pull the arm until the arm end will become hidden in the brackets which hold the arm. Once you disassemble the Bike Cradle, you will have to remove it from the pillar and remove the Cradle Cap for re-assembly.**



**Do NOT try to slide the arm while the bike is on the cradle. The bike may fall off when the arm has come out.**

## How To Adjust Cradle Angle



Insert the 5mm hex wrench in the center hole on the Cradle Cap, and loosen the inside bolt slightly. Then insert the hex wrench into the lower hole, and loosen the inside bolt. Now the cradle is ready for adjusting its angle. After adjustment, tighten both bolts firmly.

(Fig. I)

## How To Mount Bike

To mount a bike on the cradle, place the top-tube on the hooks.

Usually, you hold the top-tube by both hooks, but if the bike frame design is specially sloping, you should set either hook under the seat-tube to keep the bike from sliding off.



**Setting the front end to higher than the rear of the bike may cause the wheel to turn and possibly chip or damage the frame from components touching. Minoura recommends keeping the front end lower if possible or using a strap to secure the wheel to the frame or stand to avoid such accidents.**



**The hook material may stain on your bike frame, especially in light color such as white, depending on the top finish condition. We recommend placing a piece of bar-tape between the hook and the frame or wrapping the hook with bandage in order to avoid direct touching each other.**

## Warranty Period

Minoura offers **1-year limited warranty** to this product from the date of your purchase.

Any natural wear and the problems caused by misuse or unapproved modification will not be covered by this program.

For more details, read the enclosed **Minoura Limited Warranty Policy** card in the kit.

Also please regularly check our Minoura web site for the latest information.

## Contact

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