



e-bike Station (W-150)

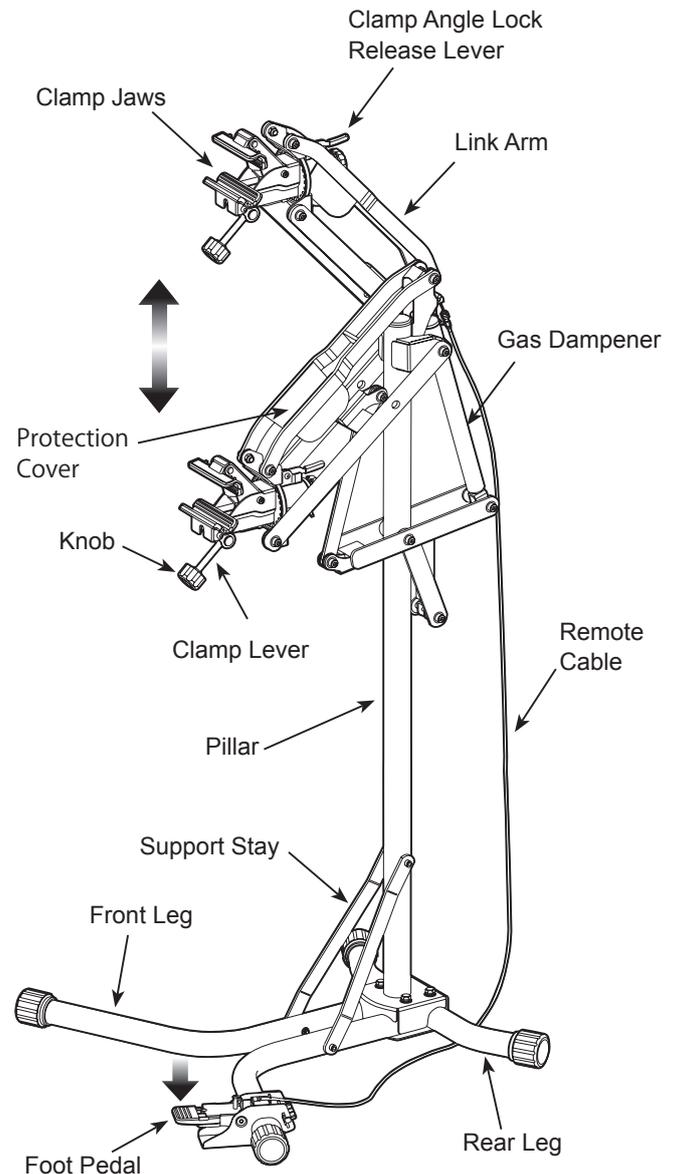


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### IMPORTANT NOTES

- Use only with standard two wheel bicycles and e-bikes. Long wheelbase bikes like tandems are not recommended as they may cause the stand to become unbalanced.
- Stepping down on the pedal automatically raises the arm. Make sure your hands and fingers are clear of the arm when engaging the pedal. Keep material clear of the pedal so as not to engage the pedal and arm.
- Set up W-150 on flat and level floor. You won't be able to keep stability if you place W-150 on slanted floor, especially when the arm is in up position.
- The gas dampener generates a up to 13 kg of lift. It moves quickly and with force. Keep a safe distance when engaging the arm.
- Firmly clamp the bike in the jaws to prevent the bike from coming off the stand.
- The jaws open/close by pulling up/down on the clamp lever. When clamping the bike in the stand, simply pull up on the lever and tighten the yellow knob in a clockwise direction.
- When rotating the bike on W-150, hold the bike with your hand. Do not set the bike in wrong position that the bike's gravity point is located higher than the clamp jaws.

### PART NAMES



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Made in Japan

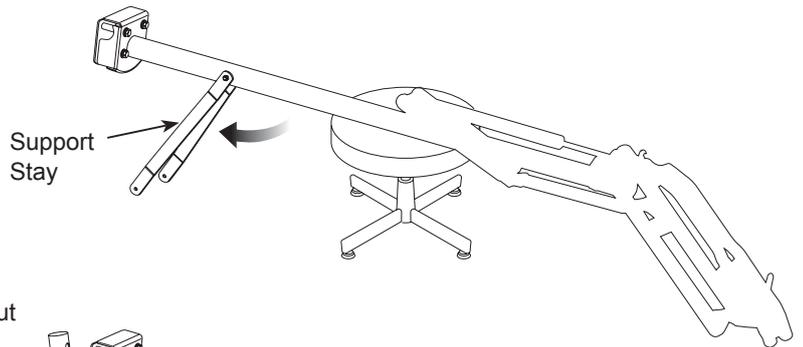
## Assembling W-150

**Required Tools:** 13mm spanner / 10mm spanner /  
Phillips screwdriver / 5mm hex wrench

**Recommended:** Stool

**1**

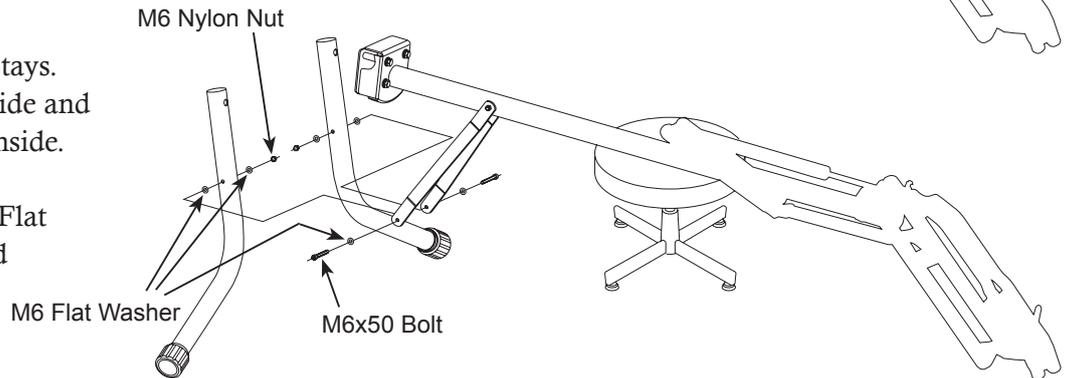
Place W-150 body on the stool, and open the Support Stay.



**2**

Install Front Legs to Support Stays.  
M6x50 Bolt should locate outside and  
M6 Nylon Nut should locate inside.

Do not forget to install an M6 Flat  
Washer between Front Leg and  
Support Stay too.

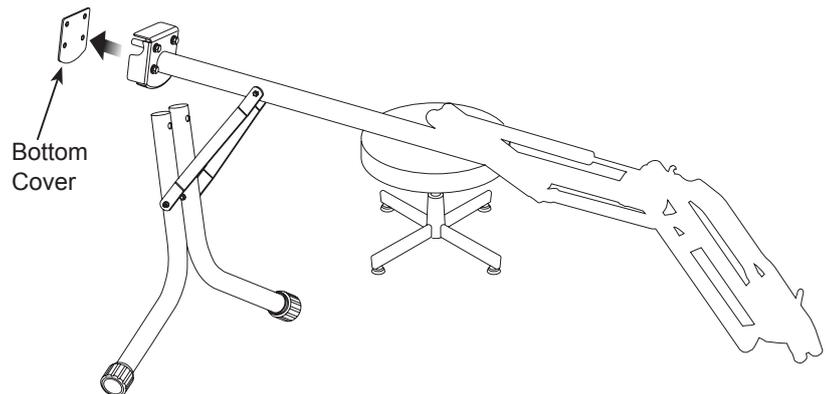


**3**

To install the legs, remove the Bottom Cover  
temporarily.

Loosen 4 bolts with 13mm spanner and take the  
cover off.

Be sure each bolt has a metal collar and a plastic  
shim in the box. Do not miss them.

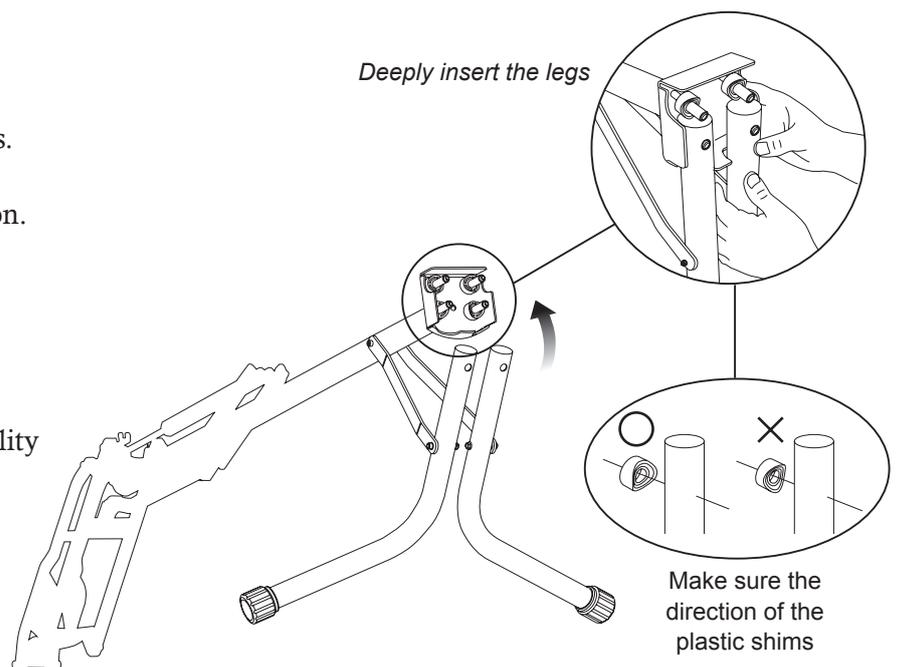


**4**

At first, insert Front Legs to the lower 2 bolts.

There are plastic shims in the deepest position.  
Each has a groove on one side.  
Understand the leg tube sits in this groove.

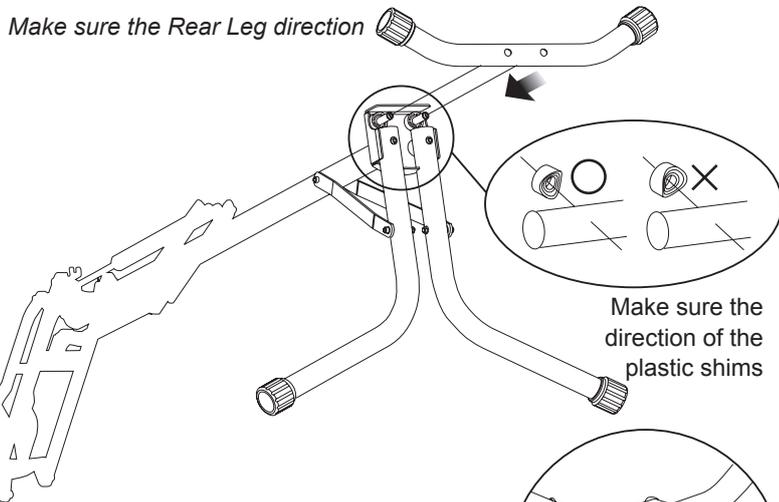
Insert the legs deeply until the metal collar  
becomes visible from the hole on the leg.  
If this insertion is not enough, the total stability  
won't be guaranteed.



# 5

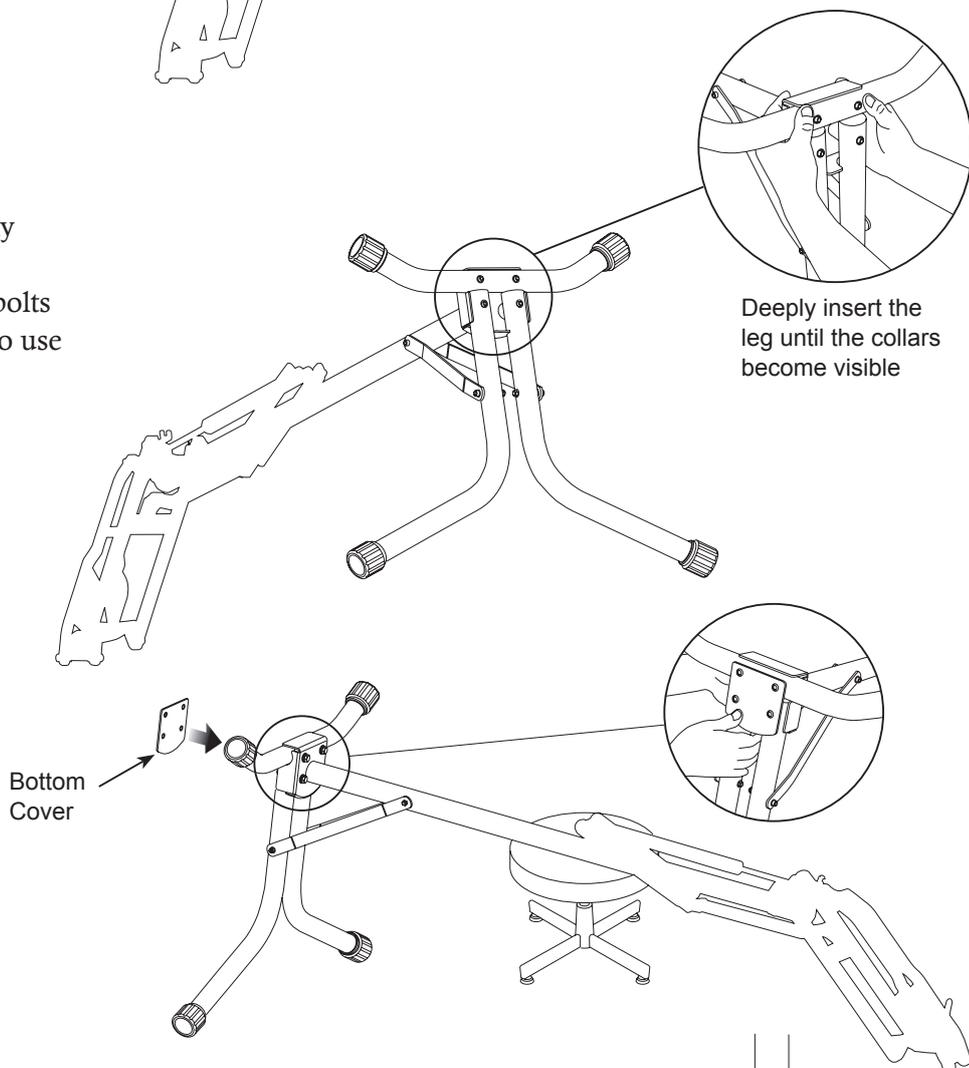
Install Rear Leg to the upper 2 bolts.  
Do not set the leg in the wrong direction or the overall balance of the stand will be affected negatively.

There are plastic shims here too. Set them in proper direction.



# 6

Once again, make sure all legs are fully inserted to the collars.  
Install Bottom Cover and tighten the bolts temporarily by finger. You don't need to use tool at this moment.

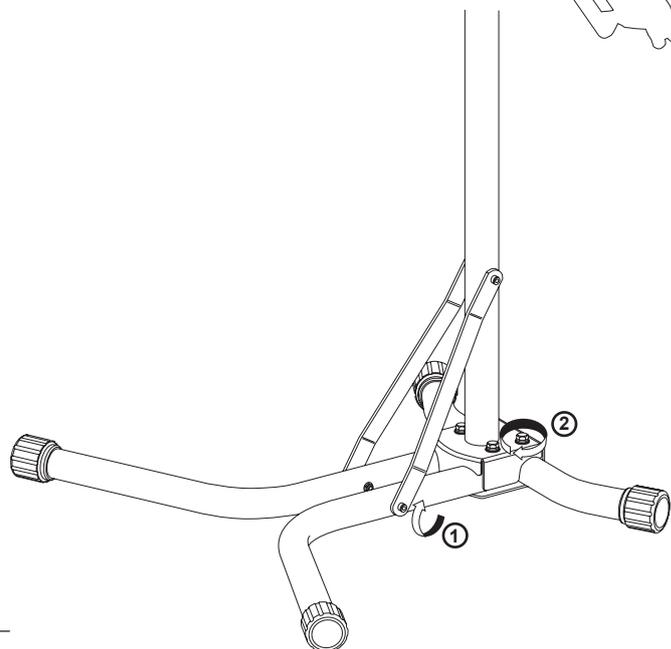


# 7

Flip and stand W-150 on the floor.

- ① Tighten the M6x50 Bolt which connects Front Leg and Support Stay first. Use 10mm spanner and M5 hex wrench.
- ② Tighten all 4 bolts firmly by 13mm spanner.

Now assembling W-150 body is completed.



# 8

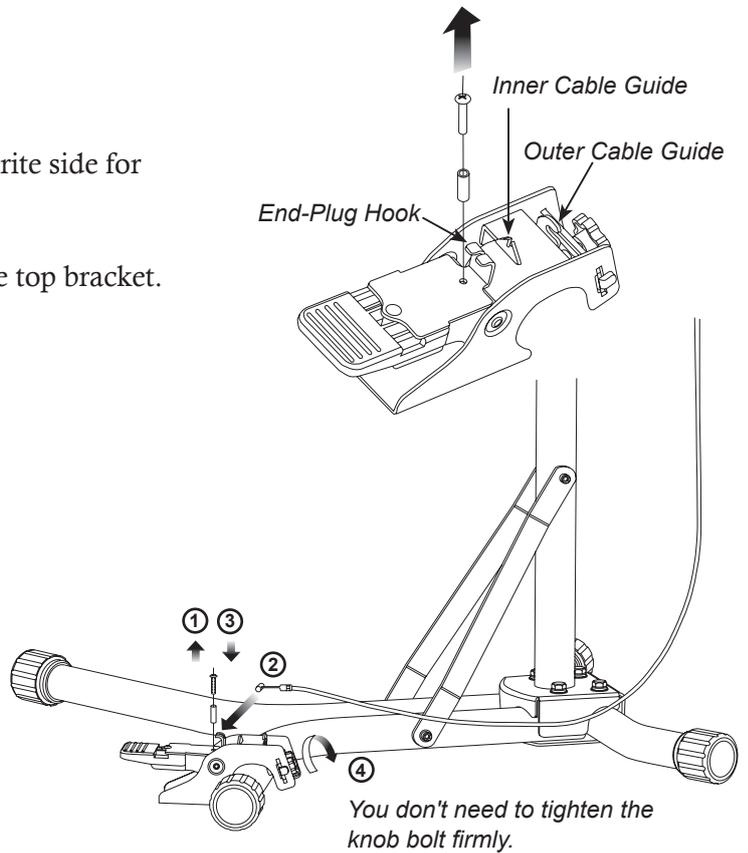
Install Foot Pedal on Front Leg.

The pedal can be installed on any side. Choose your favorite side for installation.

First, remove the screw and the narrow metal collar on the top bracket.

# 9

- ① Remove the screw from the top bracket. (already described in Step-8).
- ② Insert the inner cable into the slit on the End-Plug Hook. The end-plug must be horizontal to fit the bracket naturally. Attach the outer cable end to the 2nd bracket, and put the cable into the slot of the 3rd bracket.
- ③ Tighten the screw and narrow metal collar again to keep the cable end plug in position.
- ④ Put Foot Pedal on Front Leg and tighten the backside knob bolt.



## How To Install Clamp Jaws

# 1

Hook the cable end plug to the bracket which controls Gas Dampener.

The plug should be caught with both sides of bracket. Placing the plug in the groove is not good.

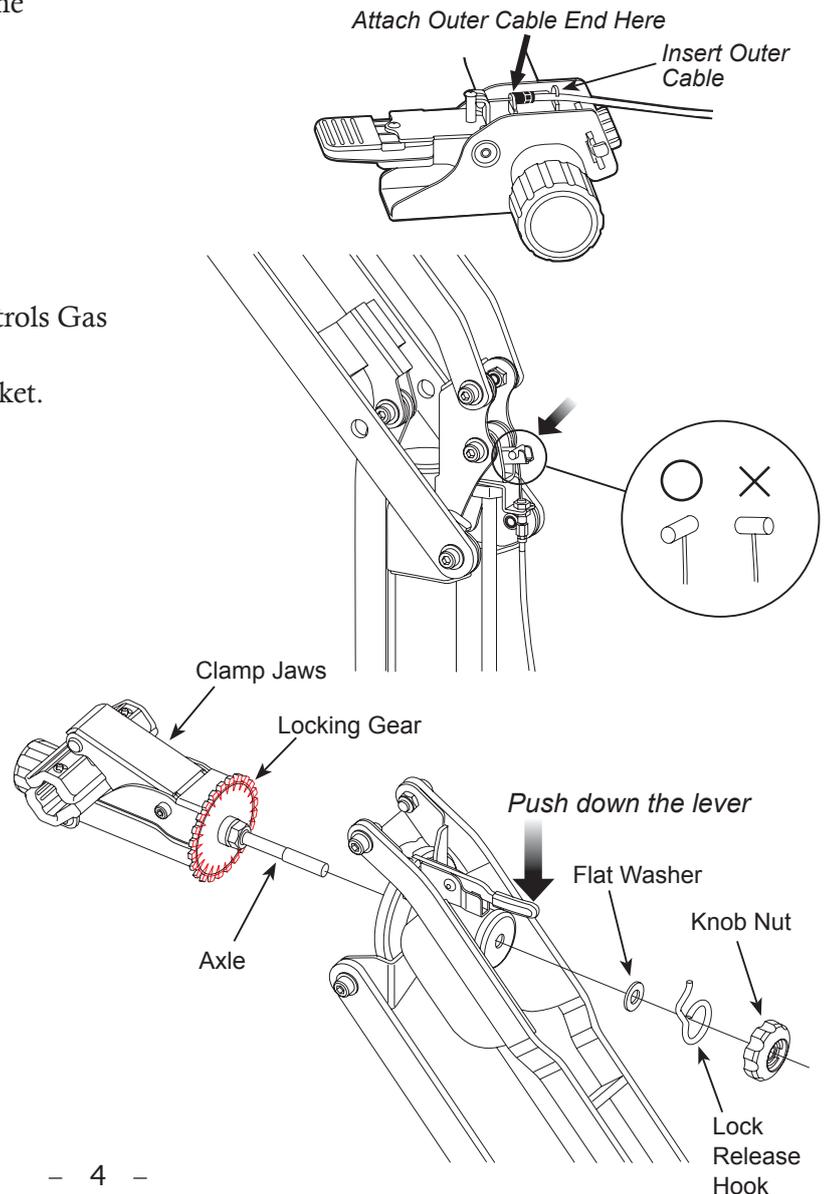
# 2

Install Clamp Jaws.

Insert the clamp axle from foreside of the stand. Outer edge of the clamp is designed as dog clutch gears to fix the clamp at certain angle. This sometimes disturbs the clamp insertion, so you should push down the Lock Lever for easier job.

Put a flat washer and Lock Release Hook to the axle then tighten Knob Nut. The hook can set in any direction.

If you have tightened the backside knob nut too much, the clamp won't rotate smoothly. The ideal condition is you can rotate the clamp smoothly without any backlash.

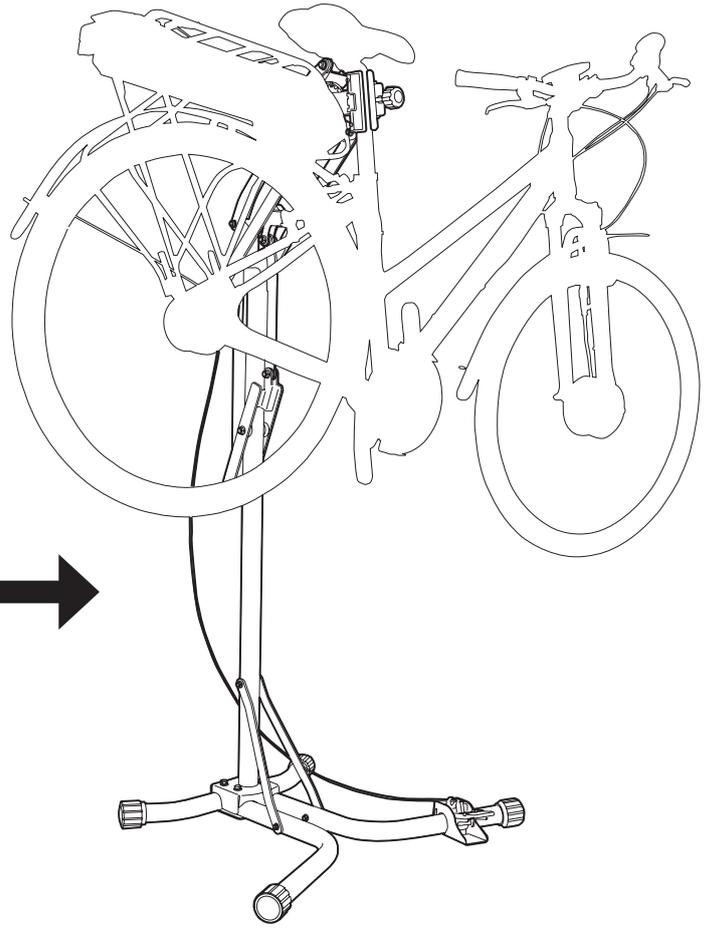
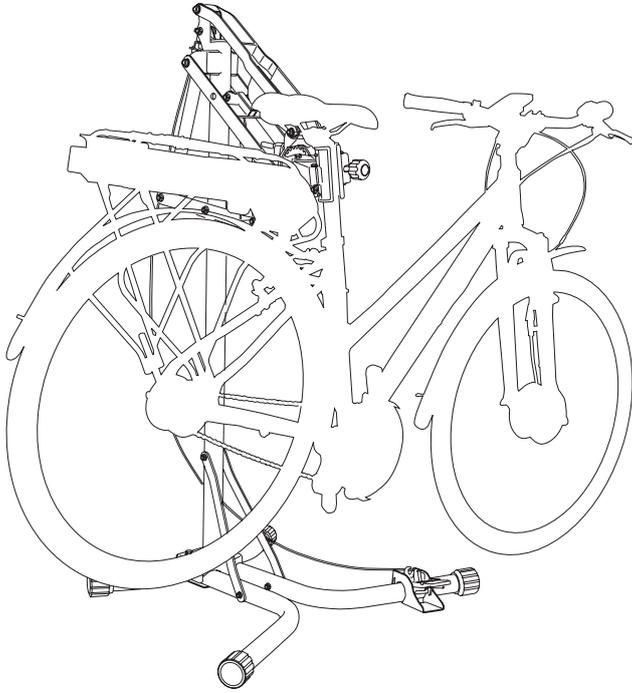


## How To Clamp Your Bike



**Max Load = 30 kgs**

W-150 reduces the bike lifting power approximately 13 kgs. It means, for example, you can lift up 25 kgs heavy bike in only 12 kgs power by this mechanism. It's very nice function to maintain heavy e-bikes, DH or FR bikes as your daily work.

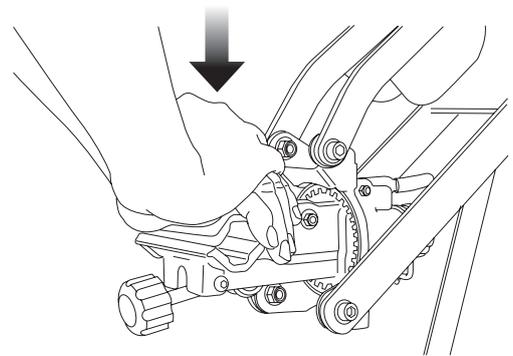


**1**

If the arm has already been lifted up, you need to push down the clamp with your palm while you press down the pedal for releasing the gas dampener lock.

If the arm is positioned in middle, it will start moving up rapidly upon you press down the pedal. To prevent any accident, you should hold the clamp prior to this action.

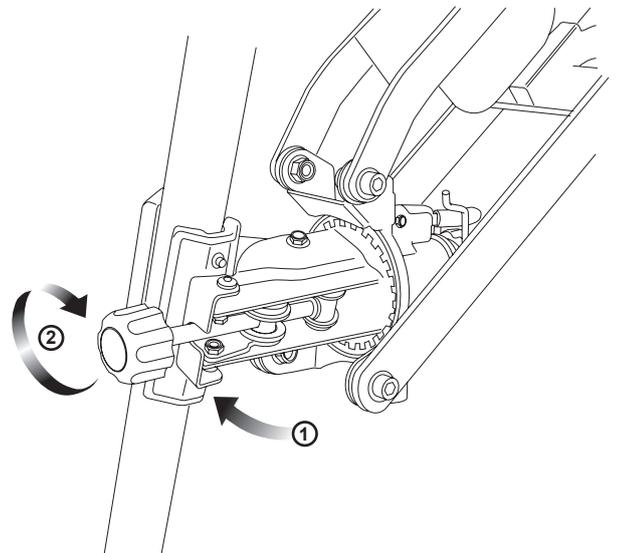
Pushing down the clamp requires certain power. It's not light. Keep your fingers and hand away from the link arm while you do this job.



**2**

To use the clamp properly, follow the steps below;

- ① First, turn the yellow knob counter-clockwise to open the jaws enough.
- ② Pull up Clamp Lever to shut the jaws.
- ③ Turn the yellow knob to close and tighten the jaws.





You can leave the clamp lever in either open or close position when turning the knob counter-clockwise.

However, if you have turned the knob too much, the inside link goes beyond the limit, and then you will suffer a problem that you cannot open/close the jaws by lever action or you cannot move the lever itself at all.

This is not a defect. You can fix this problem by turning back the knob clockwise.



Do not try to clamp the bike by just pulling up the clamp lever after adjusting the jaws opening a little smaller than actual bike frame diameter (it's the way on the previous model).

This should cause damage to the clamp lever, and may give serious damage to your bike frame due to too strong power by link system.

You **MUST** close the jaws by turning the yellow knob clockwise.

## How To Use Lock Release Hook

In the case you need to clamp the angled seat-post instead of horizontal top-tube, you should adjust the clamp angle prior to action.

The clamp angle is adjustable in 15 degree increments.

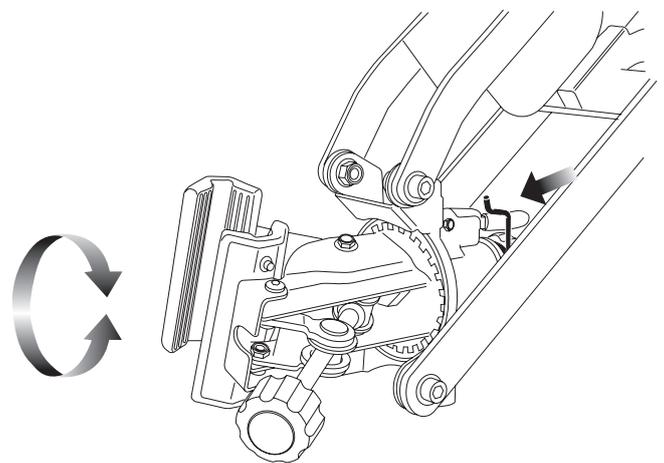
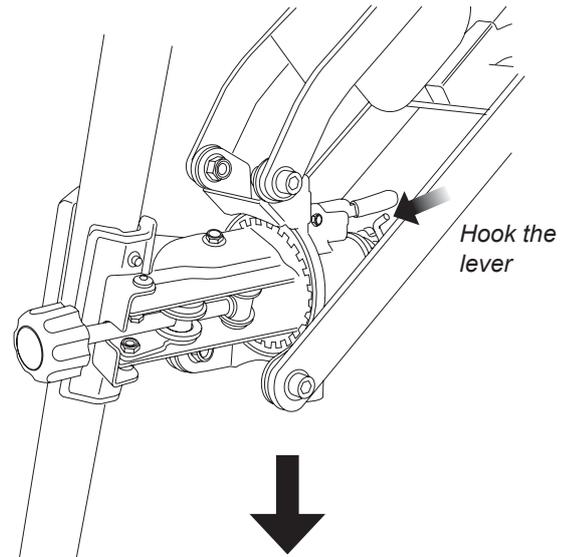
But the seat post angle should stay towards the middle.

You can also keep the clamp rotation free by engaging the Lock Release Hook.



If you lift up the bike while releasing the lock, the bike may become unbalanced and could fall.

To prevent this problem, keep the bike clamped while using the Lock Release Hook.



The clamp will become free rotation

## Another Caution



Certain jobs such as tightening the bottom bracket cannot be performed while the bike is in the stand. Doing so may cause damage to the link arm.

It is strongly advised that the bike be set on the ground to perform such maintenance.

## About Warranty Program

Minoura offers **2-year limited warranty** to the **original user** who purchases the product **in brand-new condition** from an **authorized Minoura dealer**.

Any used or purchased product from unauthorized channel such as auction or person-to-person trade are **NOT** allowed to receive this warranty program from Minoura, except the defects caused by manufacturer's mistake.

Any natural wear or the problem caused from modification without prior approval from Minoura won't be covered.

For more detail, refer the attached "**Minoura Limited Warranty Policy**" card.