

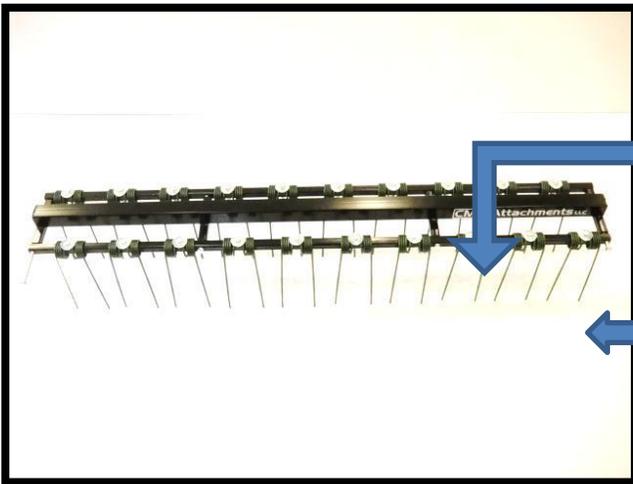
1) Install all the tines on the $\frac{3}{4}$ " bars, installing them so they are opposite of each other so they will be offset. Make sure to start each bar different as picture shows.

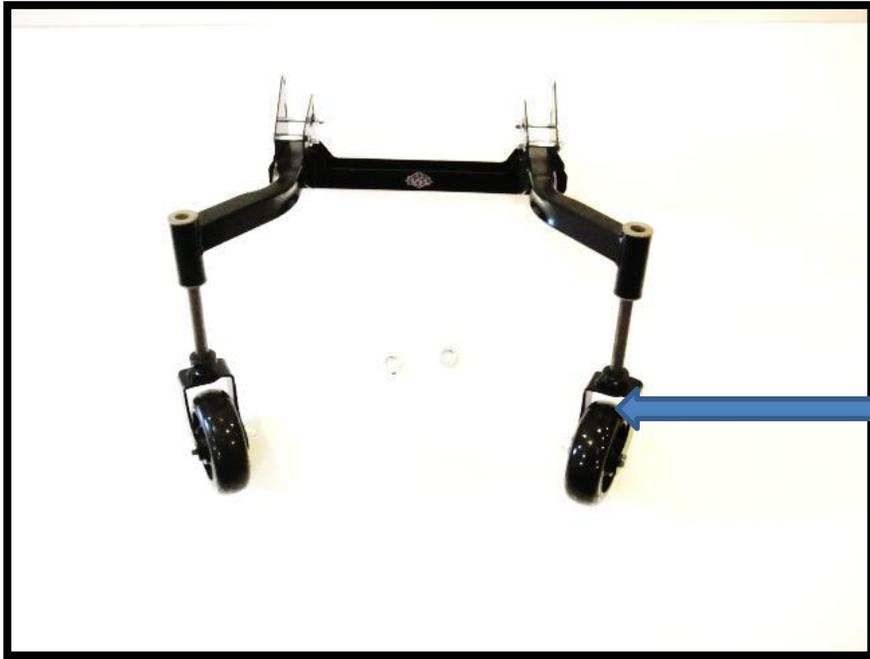
2) Make sure to keep all the tines facing the same way on the $\frac{3}{4}$ " bar so they all engage the ground the same direction.

3) The bolts used are $\frac{1}{4}$ " x 1.5". Use one washer and one fender washer per bolt, and then tighten so the fender washer bends down $\frac{1}{16}$ ".

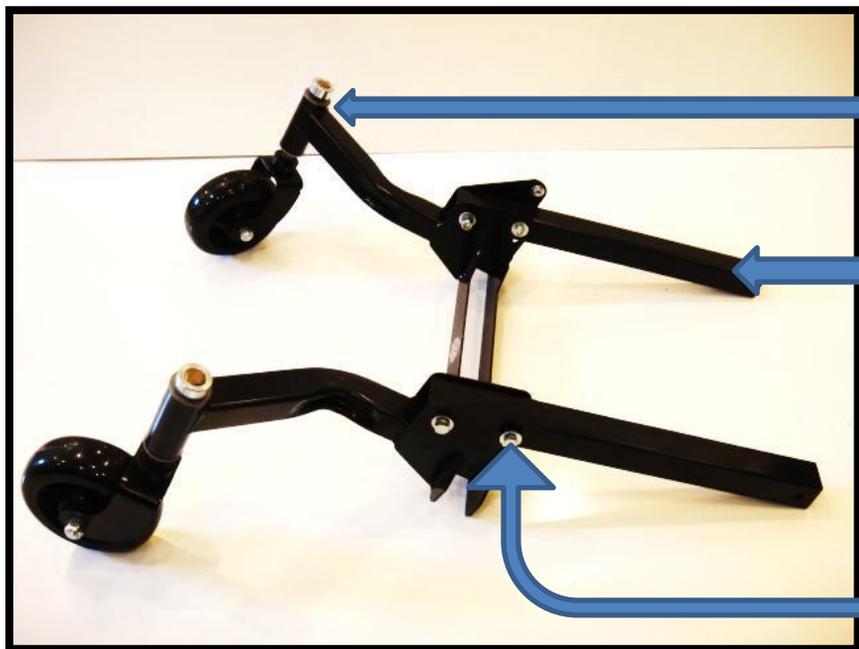
4) After you have finished installing the tines, they should be offset from one another like the picture shown.

5) Now install the main bar using the $\frac{3}{8}$ " long bolts and keep the sticker (CMP Attachments LLC) to the front. Make sure the tines engage the ground the correct way so they are all facing forward.





6) Next install the wheel fork assembly to the main frame. Only leave one collar on the wheel fork shaft and that is your height adjustment.



7) Now you can install the top collar to hold the wheel fork on. These are the extension tubes that run to the mount on your machine. You will notice that they are adjustable and after you hook it to the mower sitting flat you need to tighten the four 3/8" bolts so the bars don't move when in use. Again, this is only a height adjustment to the mower and they **must** be tightened.



8) You can now slide the main frame onto the tine bar you have already assembled. You will notice that it slides side to side. Do not drill the two 3/8" holes until you have mounted the mounting bar and hooked the unit up. Then slide the tine bar to the correct offset that you want as most mower decks are not centered. If you have a heavy duty zero turn you will need to put the two 1/4" bolts in the center of the frame mount and tighten them up before drilling the two 3/8" holes. Then after drilling the holes, go ahead and tighten them up as tight as you can without collapsing the tube.

This page is informational only for parts to be used later.

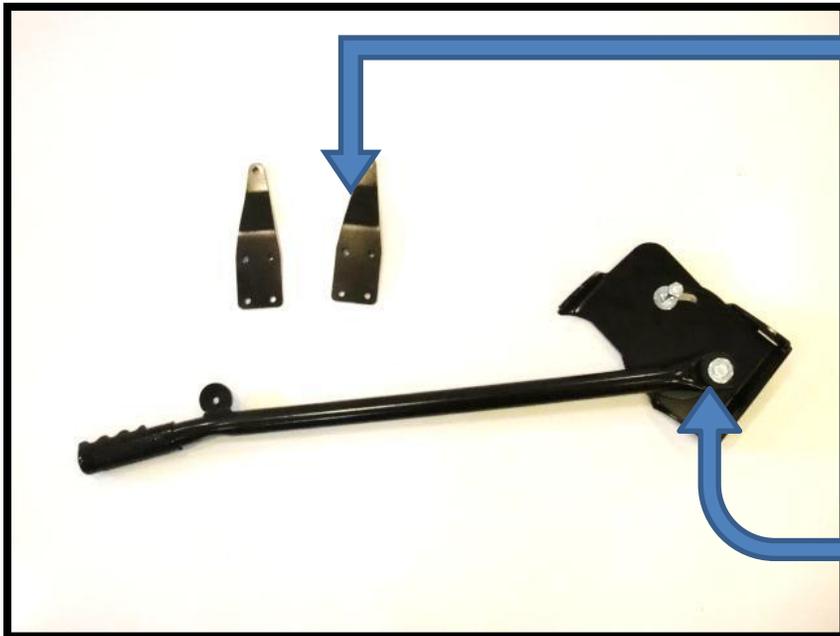
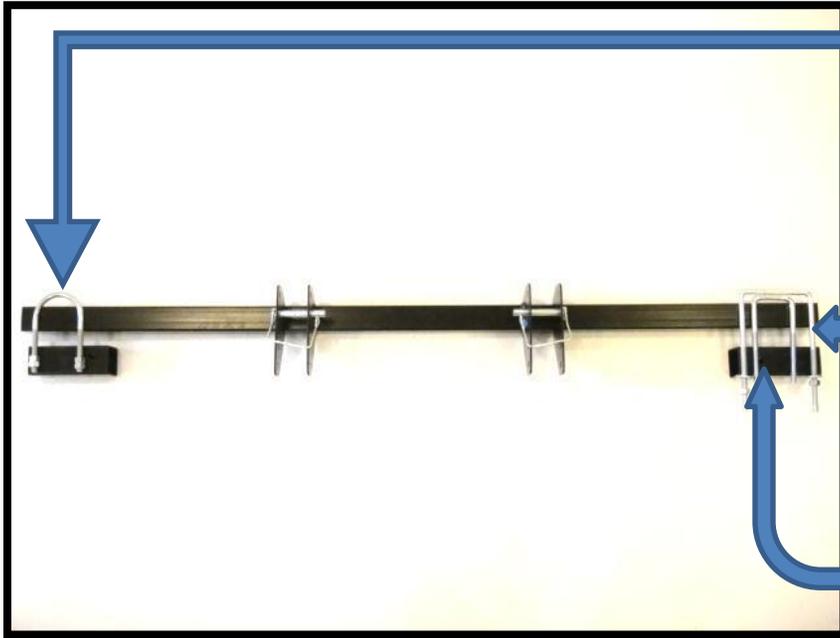
- These are the 3/8" x 2.5" u bolts used to mount to the front spindle on your zero turn. You can use the templates provided (pictured to left) to drill the holes in the mounting bar.

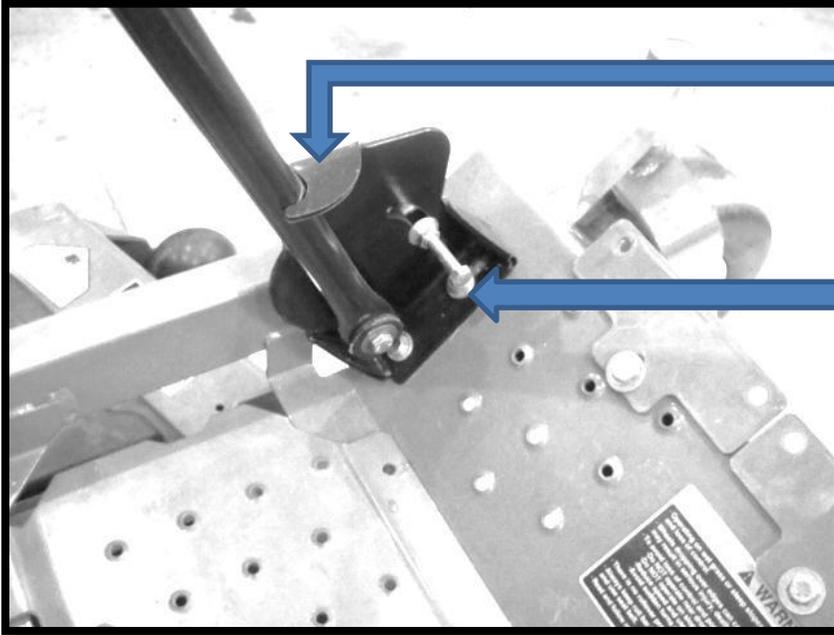
- These are the square u bolts (2x7 or 5x7). They are used to mount to the arms coming out from the mower to your front wheels.

- These are used not only as the templates for drilling the holes into, but also to slide over the tube once the holes are drilled and stay on the mounting bar. It is important that you do not remove these as they add extra strength to the mounting bar.

- These two pieces clamp onto the main tine bar frame on the dethatcher so you can hook the chain up and slide on the bar and then tighten. Remember to always mount it so it pulls the handle into the handle frame and does not come unlatched when you have it up.

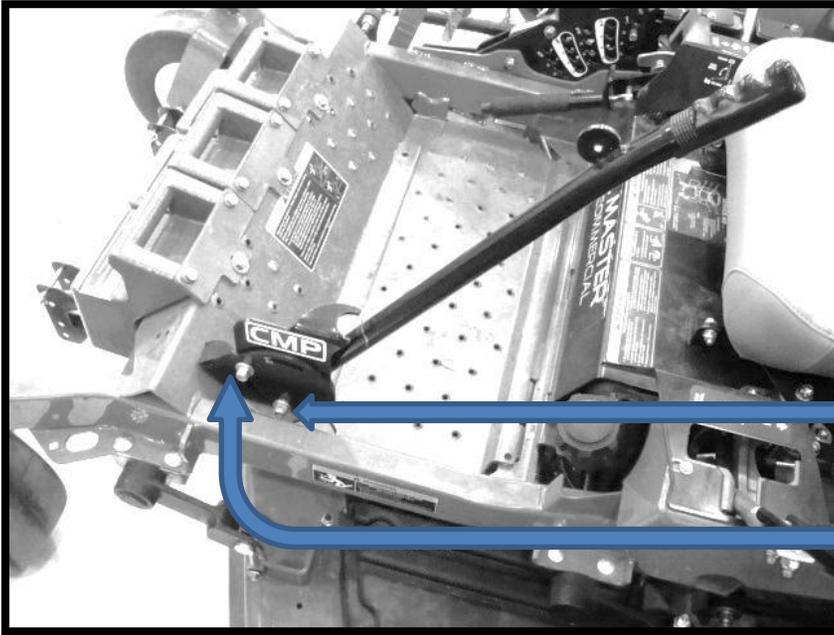
- This handle is fully adjustable so you can pick the spot you want the handle to end up. You will need to tighten the two rubber washers to make sure you have enough tension so it will hold the handle from moving around. Then the other bolt is the handle down stop that can also be adjusted from the slots to your liking.





9) You can move the handle assembly so it will rotate 120 degrees so that you are able to adjust the location the handle ends up so it doesn't interfere with your controls. Keep in mind that it rotates so you can mount on an angle, but also will mount fine on a flat spot of the mower.

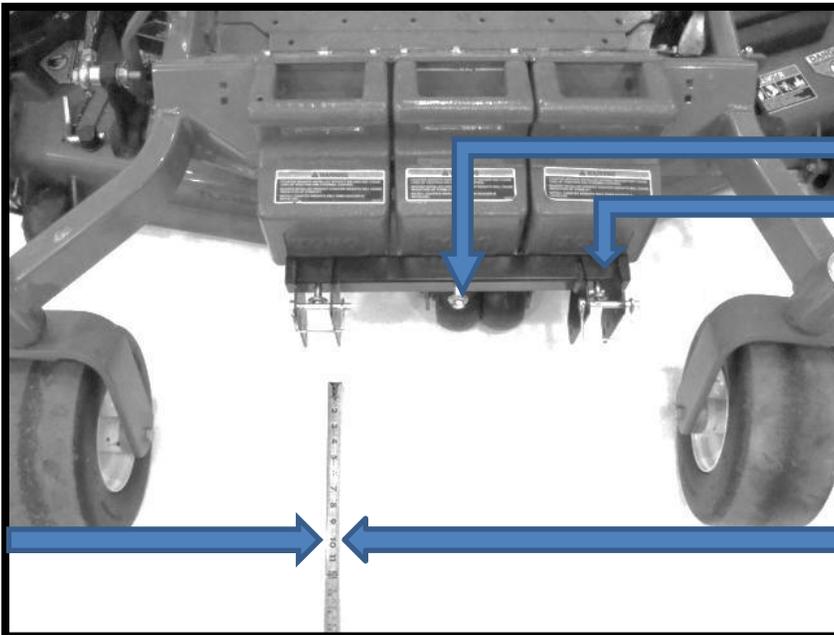
10) Now that you have decided what will work to mount the handle base, you can drill two 3/8" holes in the plate on your mower. We do slot one of the holes in our mount so if your drilling is off, it should still fit. Then tighten the 2 bolts to your mower.



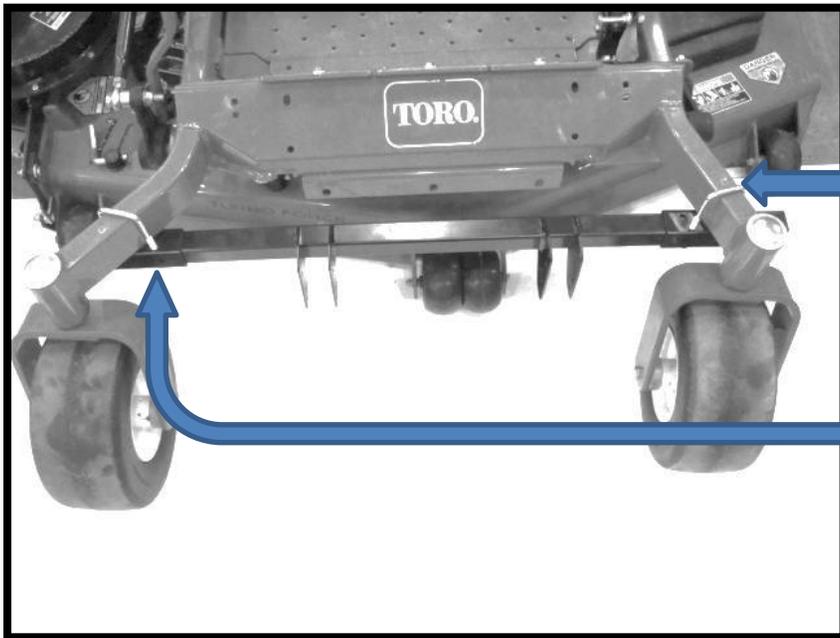
11) Now after you tighten the handle frame to the mower, double check the location that you would like the handle to end up at and tighten these two bolts. Keep in mind these two bolts hold the unit up so it is very important to get them very tight and check them after 15 minutes of use to make sure they remain tight.

Below are examples of different ways to mount to your mower:

A) In this application we drilled into the front weights on the mower and tapped them to 3/8" so 3 bolts would hold the mounting bar to the weights. This should be done by a dealer or someone that is qualified. There are many other ways to mount to your mower discussed below, this just is one choice that you have.

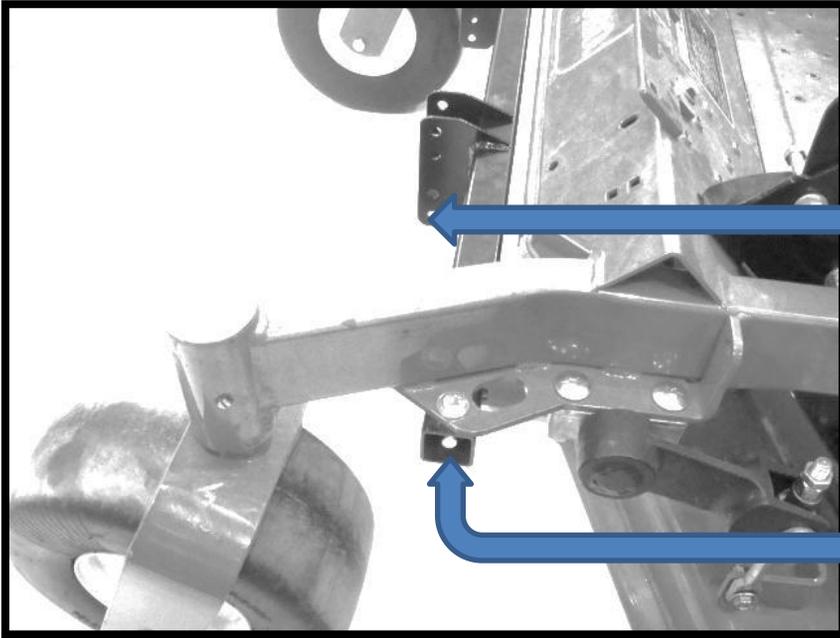


NOTE) This is the measurement from where you are going to mount the mounting bar to the front of the wheels once they spin to the front. We have on the order sheet a 6", 10", 13", 17" extension bar. This is the measurement that you need so when you go in reverse the wheels do not hit the dethatcher. Be sure to order the correct bars when you order your unit.

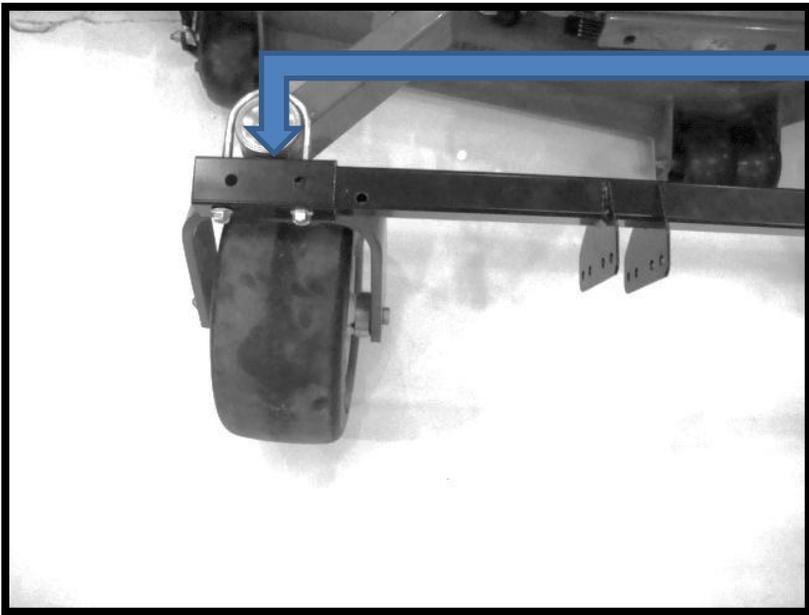


B) This is a very popular way to mount the mounting bar. We have two square mounts to choose from - a 2" or 5" wide square u-bolt. You also want to try to keep this mounting bar as close as you can, even though the dethatcher is adjustable on height for the mounting bar. Always check to make sure you have proper clearance with your tires as they swivel 360 degrees.

You will need to drill the 3/8" holes in the mounting bar using the provided two steel templates that come with the mounting bar. You will slide them over the mounting bar then drill the holes as the template directs you. Again, the template is drilled for the square and round u bolt and you should use the templates on the mounting bar when you clamp them to add strength.



C) This is a great way to mount to all Toro G3's and the Exmark's. You only need to drill the top wall of the mounting bar and use short bolts, then put the nut on in the center of the tube. You then slide the templates provided over the tube and tighten them up with this bolt to add strength to the mounting bar. You will notice that there are four different holes to mount the dethatcher on to, but try to use the bottom two holes if possible and try to keep the drop part of the mounting bar towards the ground.



D) This is another very popular way to mount and the most common. Once again, use the template provided to help you drill the holes in the mounting bar. Keep the u bolt to the top of the mounting bar because you will notice that the template is not drilled in the center, but is offset to the top. This helps keep the mounting bar lower to the ground and adds strength. Once again, always keep the template on the mounting bar when you tighten the u bolts as this adds strength to the mounting bar.



FRONT MOUNT DETHATCHER INSTRUCTIONS



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Email jay@machovec.com

Phone 763-263-9835

* Check out the video section of our website to watch an installation video.

Your CMP Attachments product is warranted to be free from all defects in material and workmanship in normal dethatching use for a period of two years. The warranty is granted only to the original purchaser. The warranty is subject to the following provisions. This warranty does not cover parts of the product that require replacement under normal use, such as bearings, wheels, tines, pin holes. Any damages or malfunctions caused by negligence, abuse. Likewise, any defects or damages caused by unauthorized service or the use of other than CMP Attachments LLC parts is not covered. CMP Attachments LLC will, at its option, repair or replace a defective product or part that is covered by this Warranty. As a matter of warranty policy, CMP Attachments LLC will not refund the customer's purchase price. To register your warranty, please fill out the warranty registration card and send it in.