



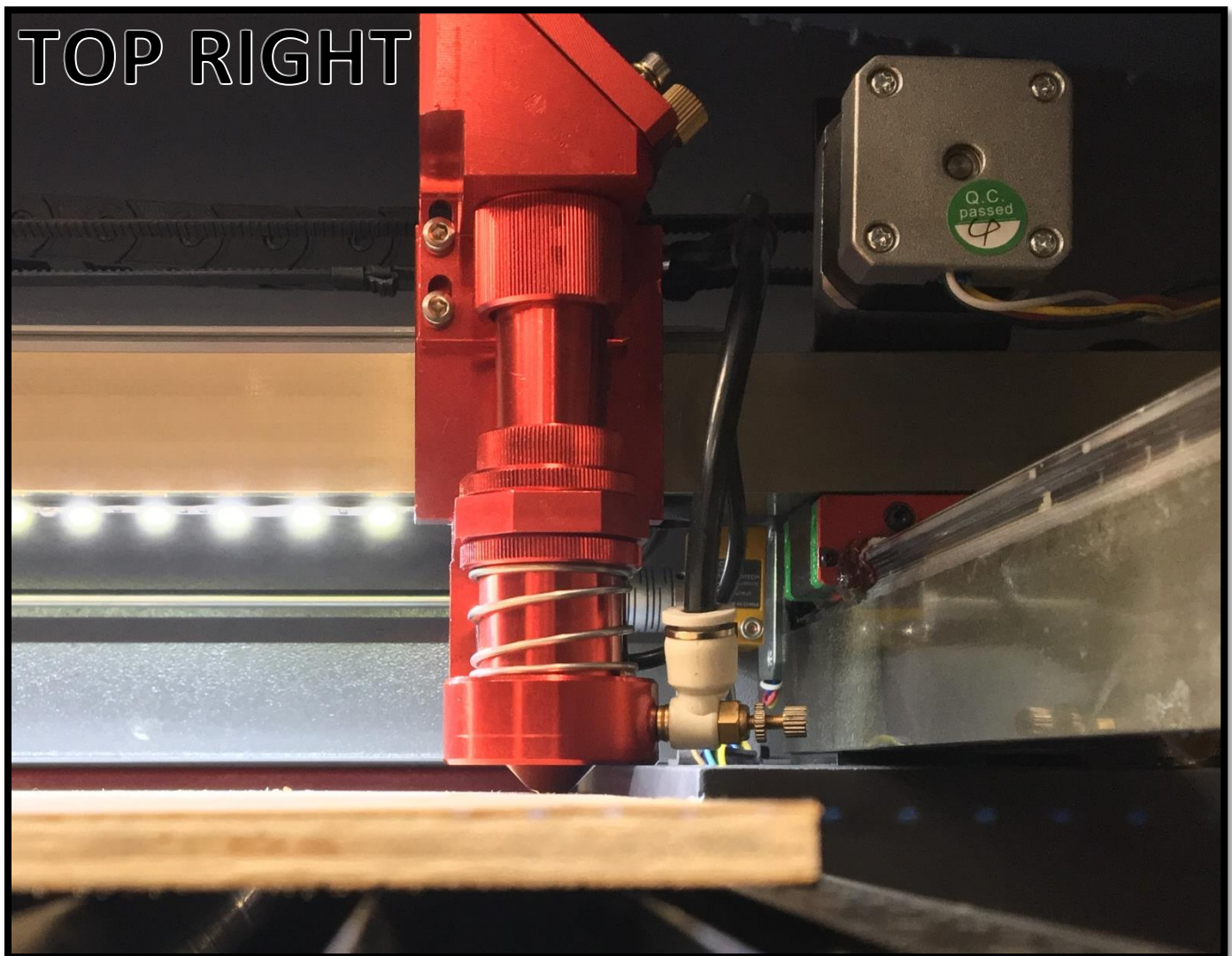
## Leveling Work Table on BOSSLASER Machines

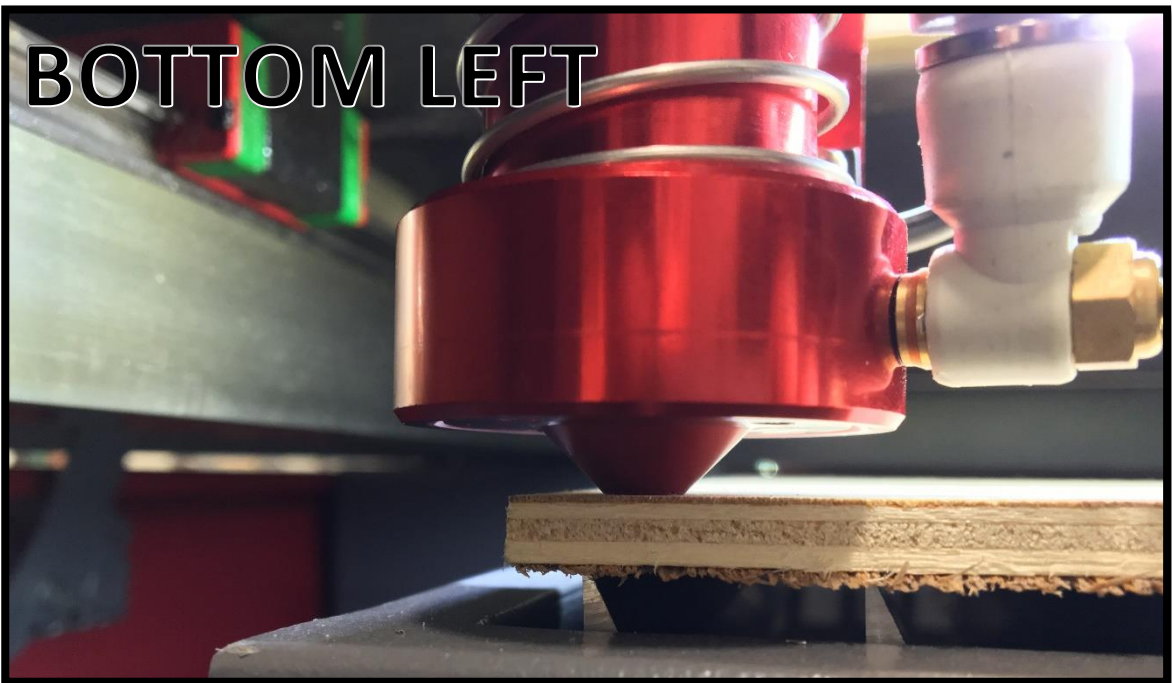
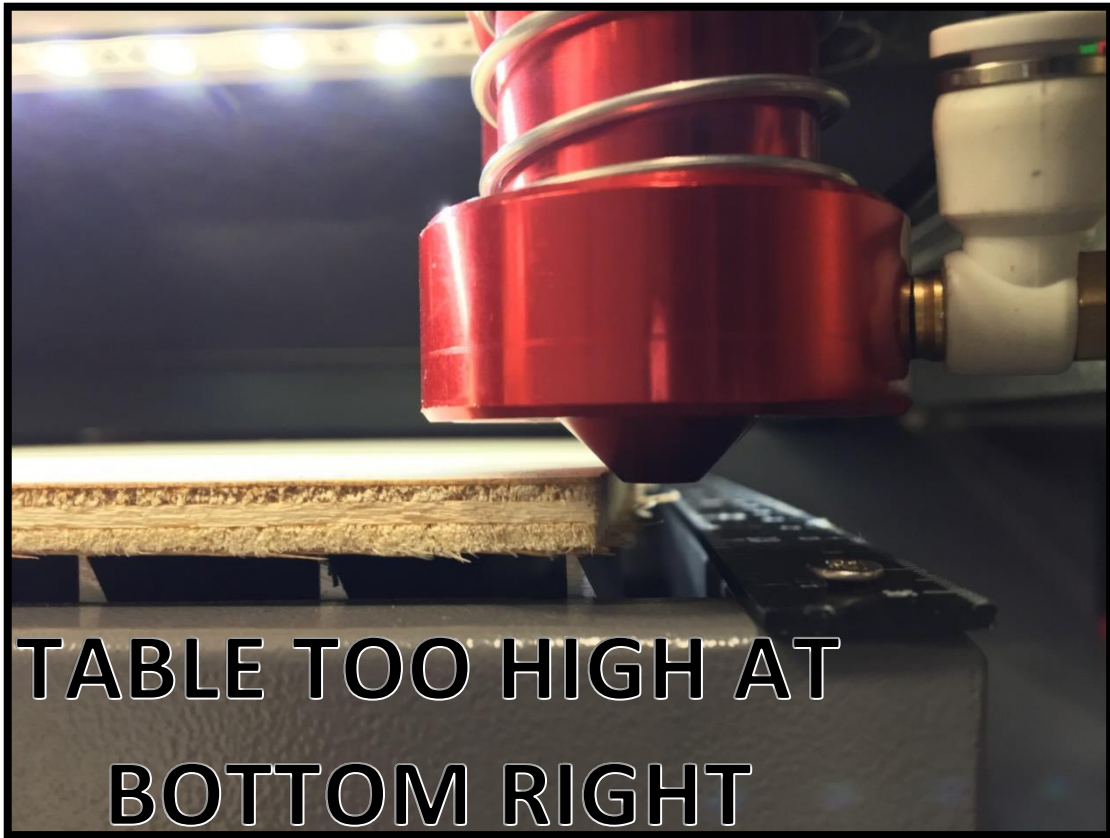
---

608 Trestle Point  
Sanford, FL 32771  
Phone 888-652-1555 • Fax 407-878-0880

# HOW TO DETERMINE IF YOUR BED IS OUT OF LEVEL:

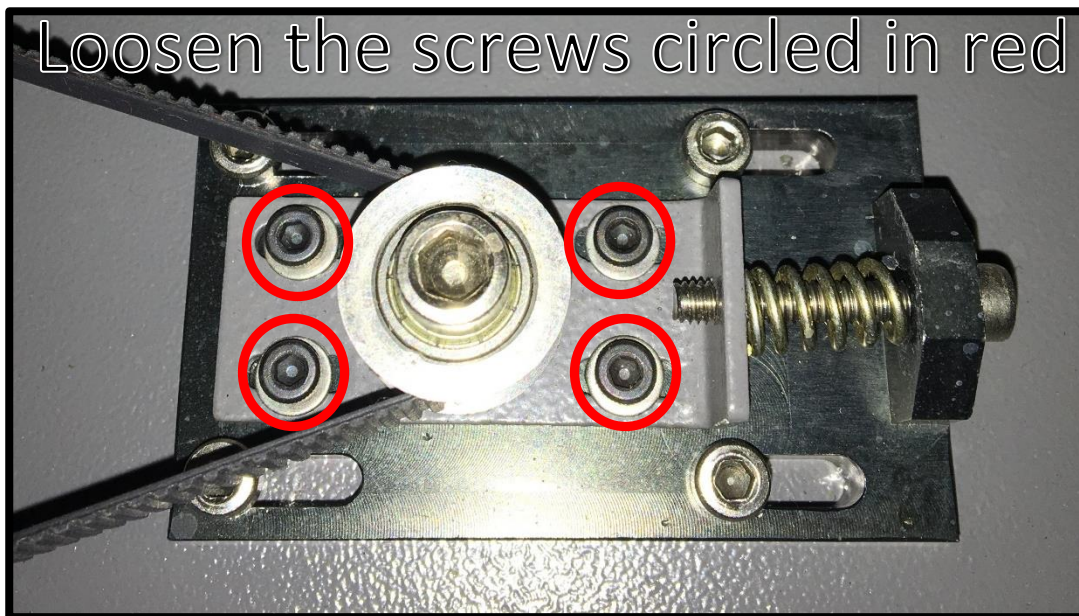
1. Raise the bed by having your machine powered on and hitting the Z/U button on the machine keypad.
2. Once you have pressed on the Z/U button on the keypad it will automatically highlight Z-move, from here you will raise and lower the bed using the left and right arrow keys.
3. You are going to want the material on the bed to just barely be touching the laser cone.
4. With the material barely touching the laser cone you will move the head to all four corners of the machine, placing the wood under the laser head each time. This will allow for you to determine if the table is too high or low on one or multiple corners of the machine.



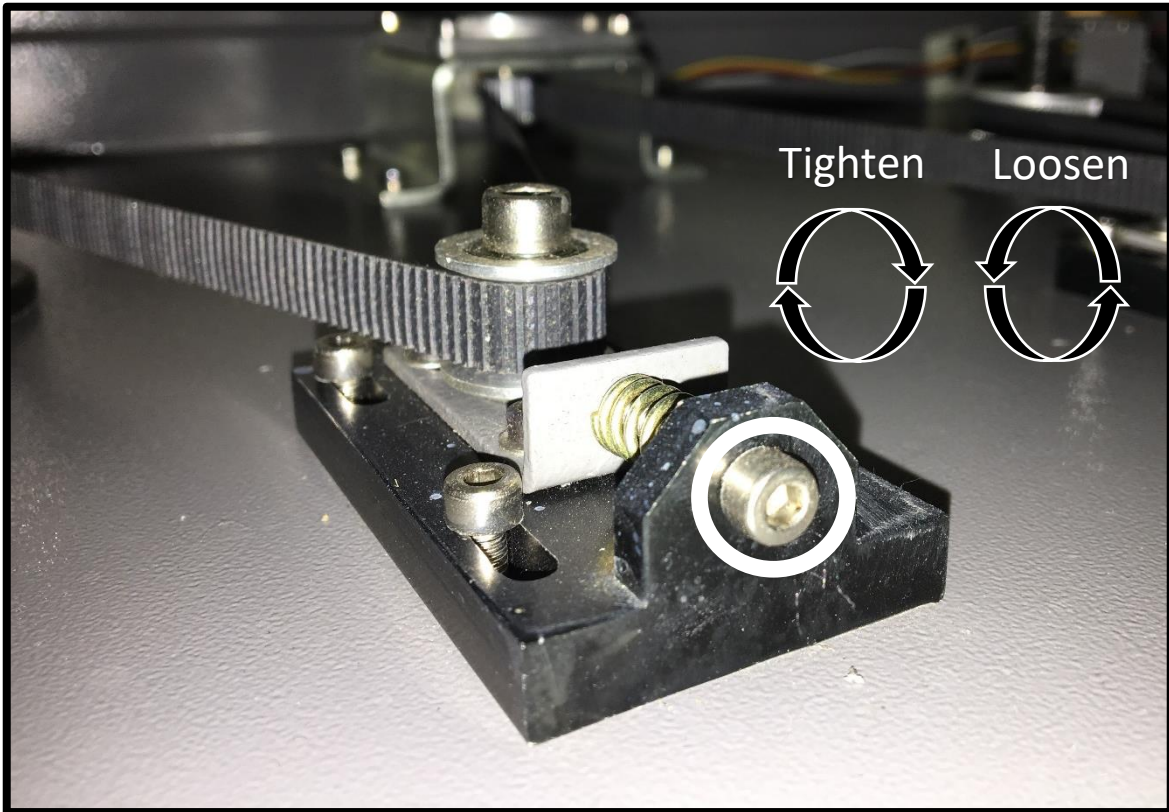


# LEVELING LS-1416:

To level the bed on an LS-1416 you must first remove the belt. To do this you are going to loosen the tensioners found at the bottom of the machine, underneath of the Z-table. You can access this by opening the large white door at the front bottom of the machine.



After you have loosened the screws circled in red you will go to the screw that has tension provided by a spring and loosen it. This will push the bracket inwards relieving tension from the belt, allowing for the belt to be removed from the assembly.



Once you have loosened the tensioner enough to remove the belt you will be able to adjust the level of the bed on each of the four corners.

You may have to loosen all three tensioners to be able to remove the belt from the tensioners and worm rods.

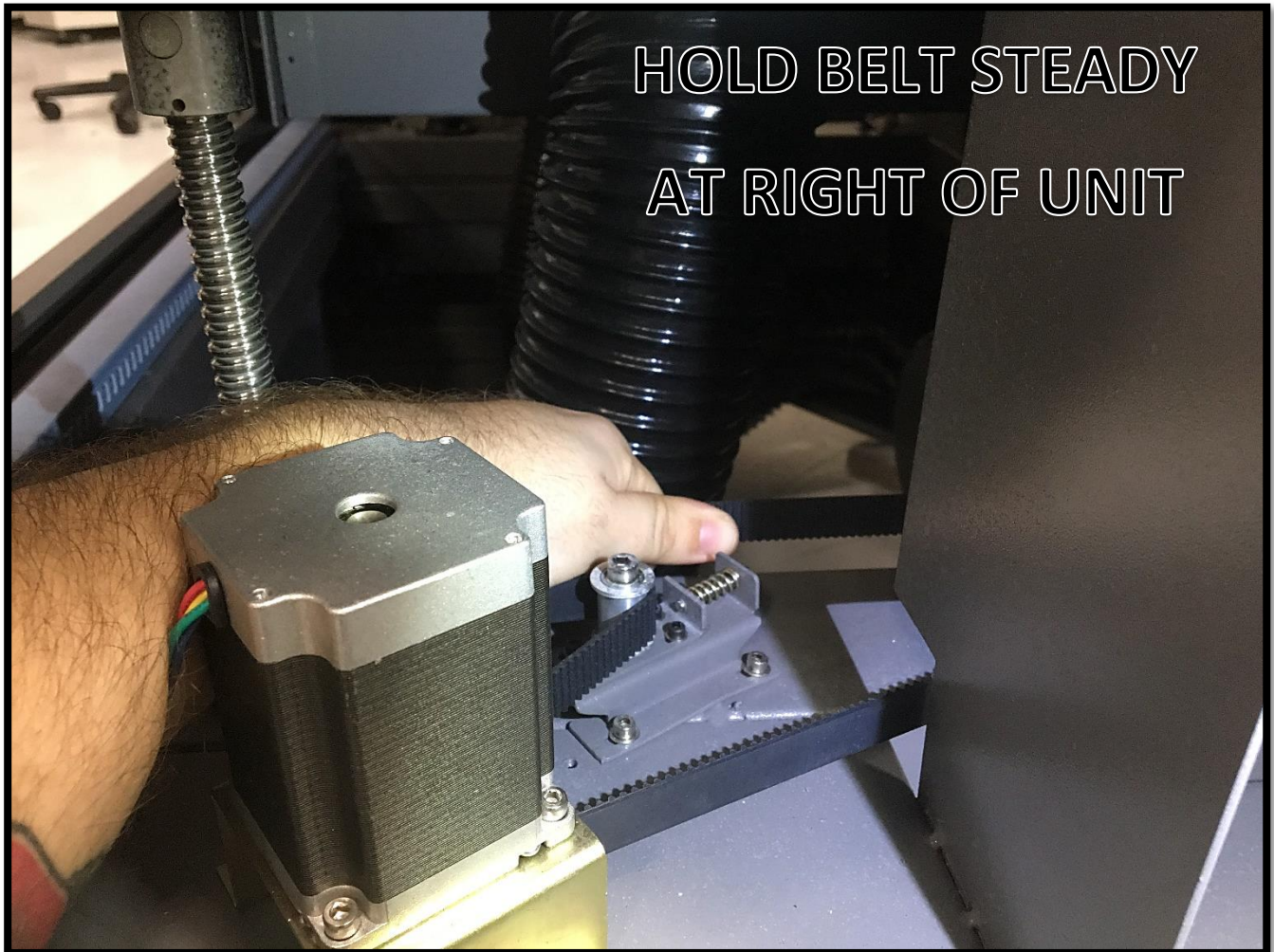
The best way to ensure that the bed is level on all four corners would be to raise each worm rod gradually until it reaches its max height on all four corners. Once all four corners are maxed out you can then reinstall the belt and tighten down all the tensioners again.

# LEVELING 1630-3655 MACHINES:

1. Open the belt access doors throughout the machine. One will be found at the right side of the machine, and will be a large white door at the bottom. There will be a large white door in the front at the bottom and another large white door at the left at the bottom as well.
2. With these doors open, you will locate the belts that are wrapped around the left-side and right-side table wormrods and tensioning brackets.

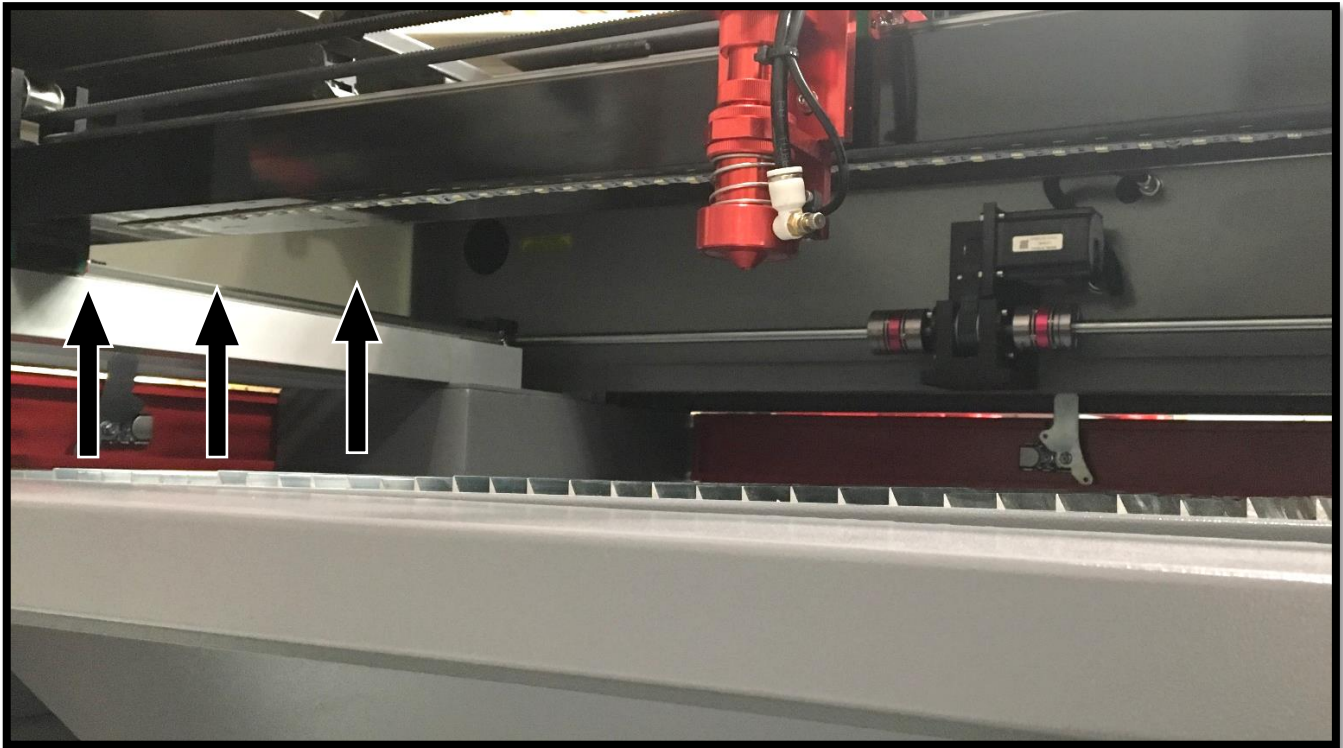
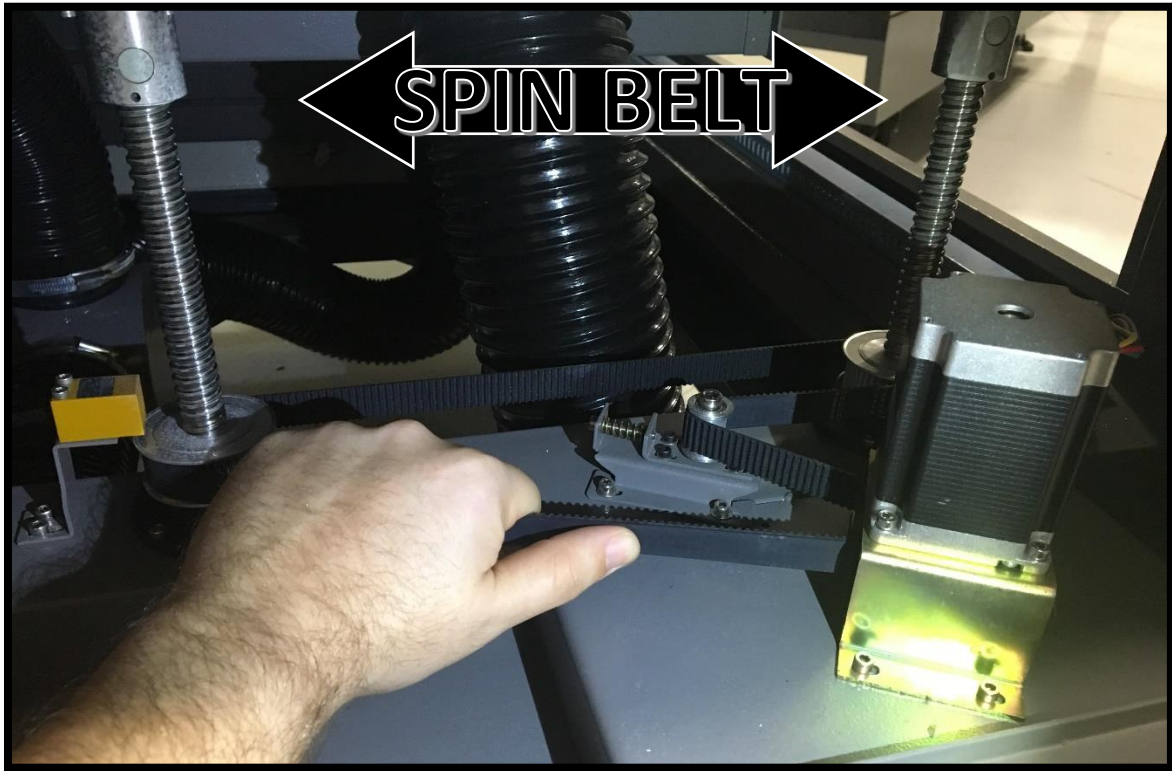


3. With these belts and wormrods located you will raise or lower the bed to the correct height. We recommend doing this by having a second person go to the right side of the machine holding the belt nice and steady so that it will not move. We recommend the right side because space is limited due to the laser power supply.



4. With someone holding the belt steady at the right of the machine someone else will go to the left side of the machine and spin the belt. Doing this will cause the table on the left side to either go up or down depending on the direction you spin the belt. You will spin this until the table is the same height from the gantry on both the left and right side of the machine.

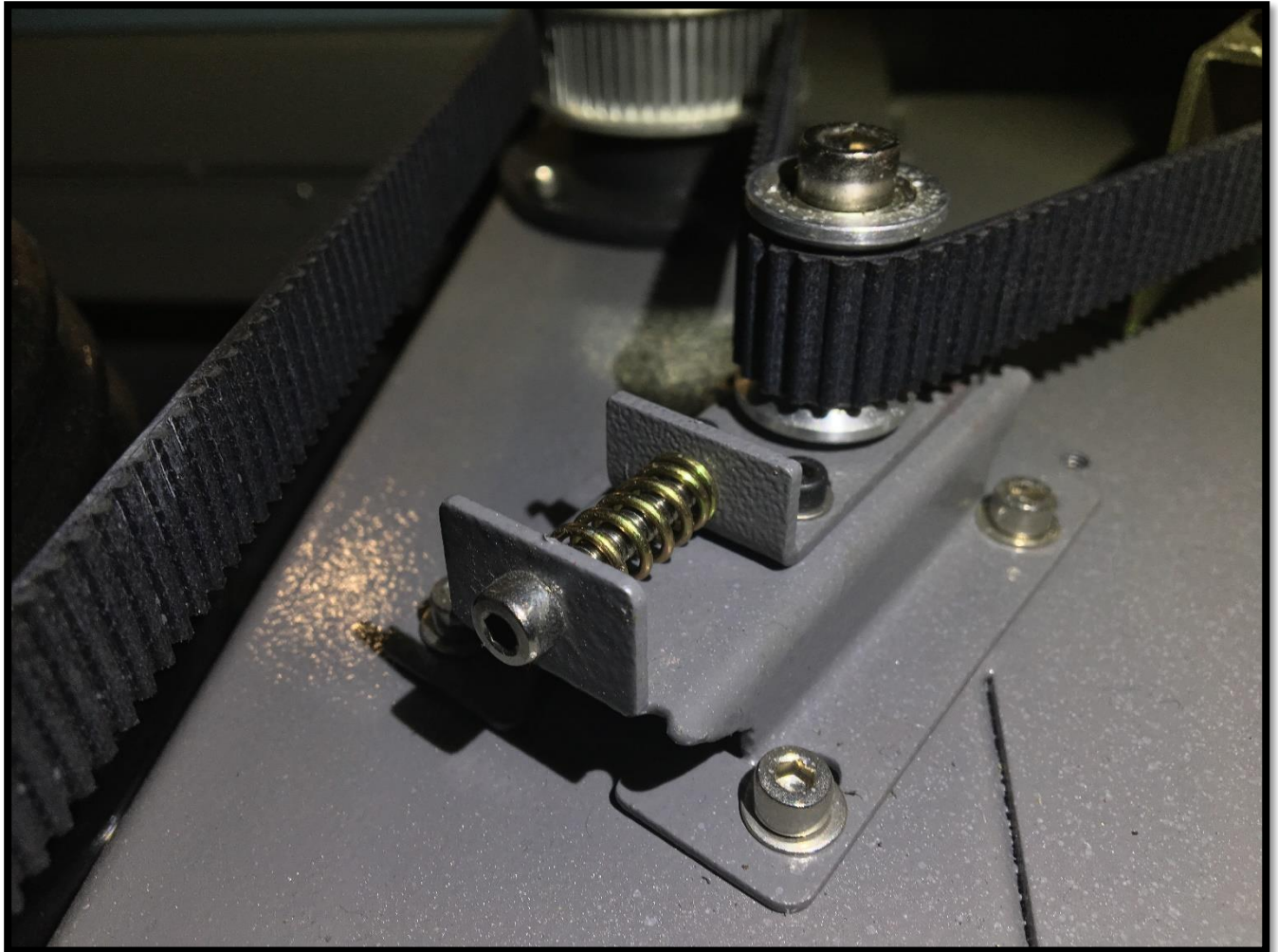
***By having the second person hold the right-side belt, it prevents the table from moving up or down on that side allowing for you to make precise adjustments throughout***





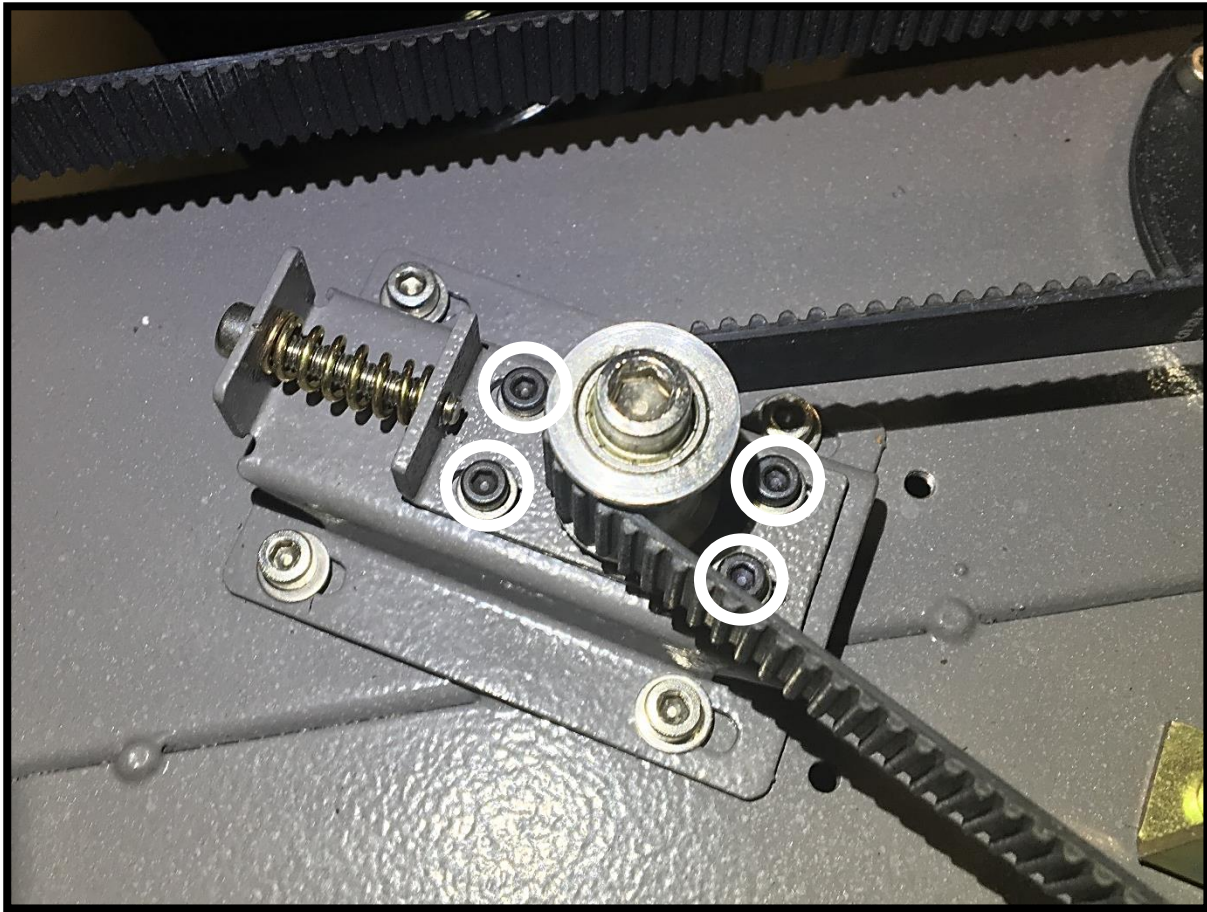
# LEVELING 1630-3655 MACHINES FROM FRONT TO BACK:

1. If your bed is out of level from the front to the back of the machine you will need to obtain access to the left and right side of the machine through the large white doors.
2. With these doors open you are going to locate the belt and the tensioning block

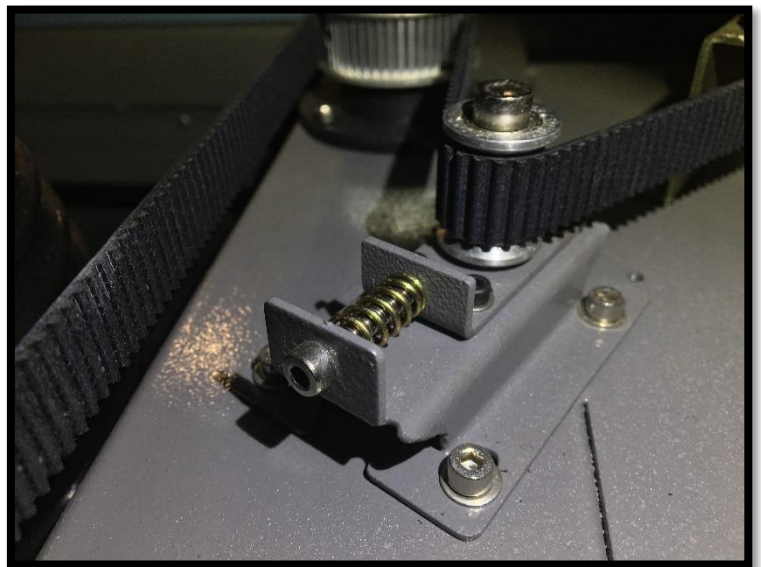


3. To get the table to be level from front to back you will need to relieve tension from the tensioner so that you can remove the belt from the tensioner and worm rods to adjust each worm rod separately.

To relieve the tension from the belt you will loosen up the four black screws found on the tensioner bracket circled in WHITE. This will be the same method used on an LS-1416 model machine.

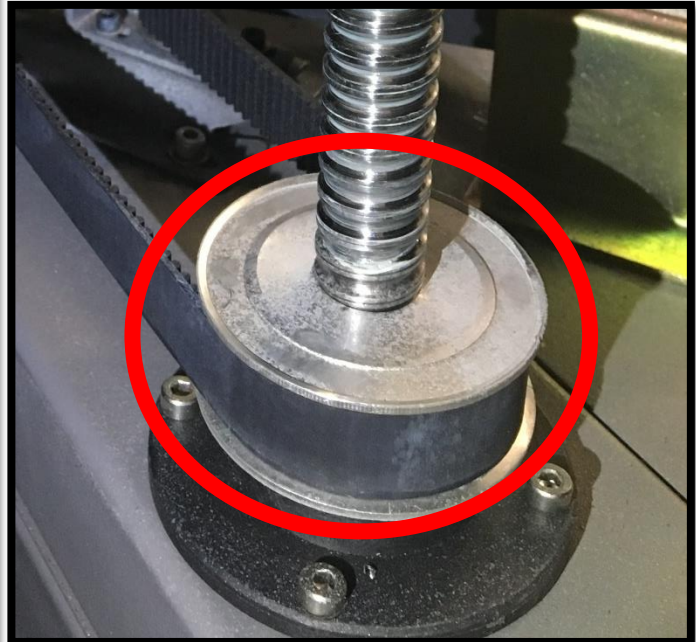


4. Once the belts have been removed from the worm rods and tensioner you will now have access to spin each rod individually. You will spin the corresponding worm rod with the corresponding side that you would want to raise and lower.
5. Once the table is at the height that you would like at all four corners you will install the belt in reverse order and tighten up the tensioner back so that the belt will be secure from this point forward.





**SPIN THE CIRCLED PIECE  
AFTER BELT HAS BEEN  
REMOVED**



**If you need more assistance with this procedure, please reach out to Bosslaser Technical support by calling 888.652.1555 or emailing us at [techsupport@bosslaser.com](mailto:techsupport@bosslaser.com)**