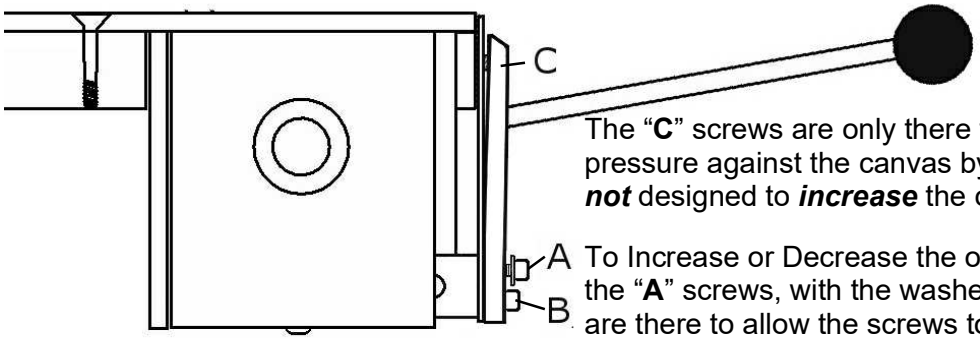
JOIN RITE ADJUSTING THE TENSION ON THE FRONT PLATE

The most important thing you can learn about this machine is how to properly adjust the tension on the front plate. This is what makes the Join Rite stretcher work so well, and what makes it easy to use. After the emery cloth strip has been replaced or whenever the tension needs to be adjusted, this is the procedure to follow:



SIDE VIEW

The "**C**" screws are only there to provide a **C**onsistent,even pressure against the canvas by the stainless plate. They are ***not*** designed to ***increase*** the overall tension.

To Increase or Decrease the overall tension you should **a**djust the "**A**" screws, with the washers under them. The washers are there to allow the screws to move easier. These screws also have a nylon patch on the threads to keep them from loosening.

The "**B**" or **b**ottom screws are always supposed to be **TIGHT.** They don't need washers because they are not for adjusting.

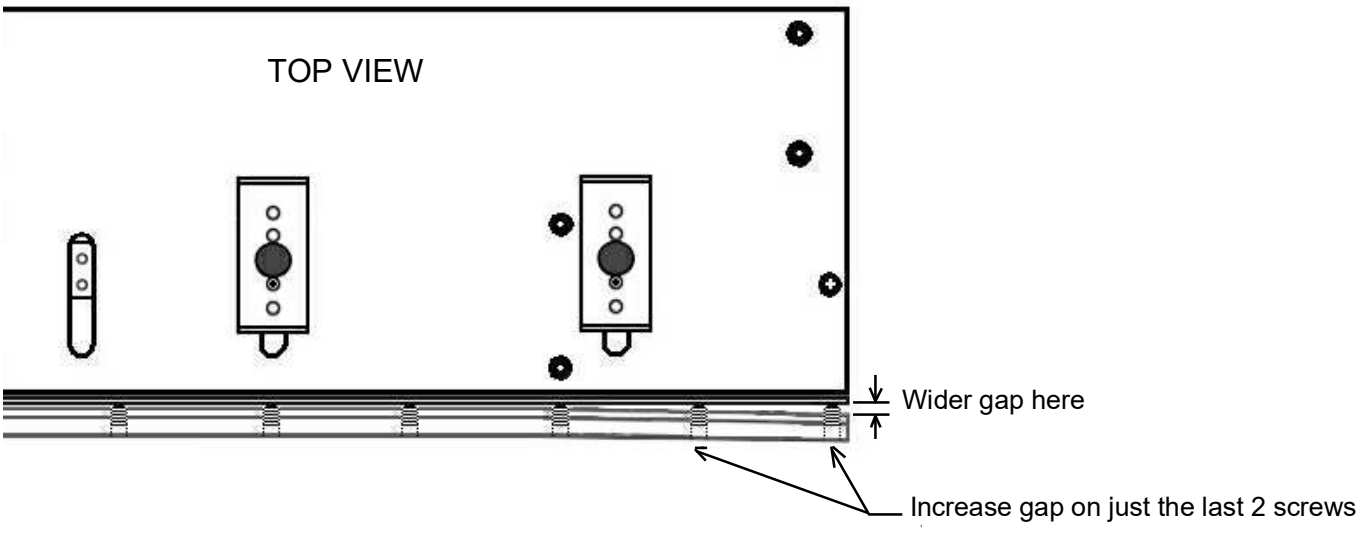
IMPORTANT NOTE: When replacing an emery cloth strip and re-tightening the bottom screws, ***NEVER TIGHTEN*** the "**A**" screws with the front clamp ***OPEN***.

This will cause the adjustment to be too tight. ***ALWAYS*** adjust the "**A**" screws with the front clamp ***CLOSED*** and slightly beyond so the pushers move a little. The handle can be about parallel to the floor. Then with the bottom "B" screws tight, tighten the "adjusting "A" screws until the washer touches the front plate. You can usually *hear* the stainless plate pressing into the emery cloth (when it's new).

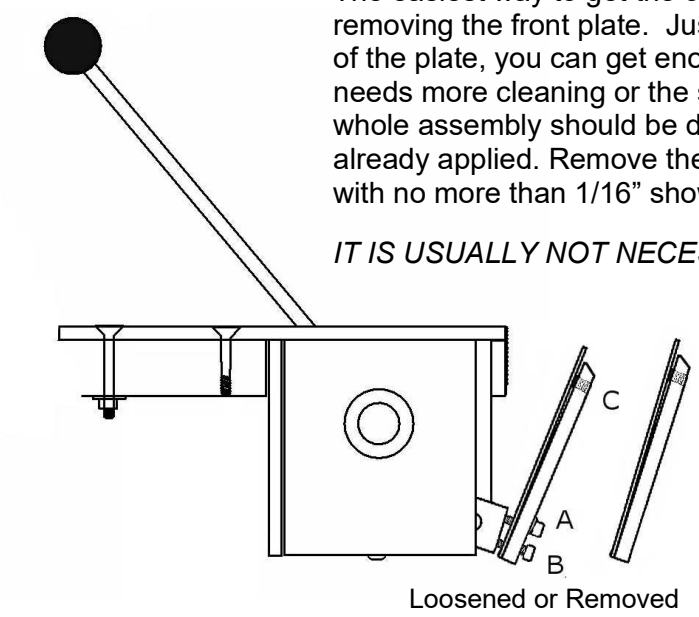
If the "C" screws have been adjusted too far inward, back them out until there is only a 1/16" gap between the aluminum plate and the stainless plate. The stainless plate is 1/16" thick, so you can use that as a measuring guide. The last two "C" screws at each end of a machine are adjusted to push the aluminum plate outward more than the 1/16".

WHY? Because the last 6" of the front plate are unsupported. That means it can flex more than the plate that is supported between each set of bottom screws. For this reason, to get equal pressure, those (4) "C" screws are adjusted differently than the rest.

See the machine top view below.



REPLACING THE EMERY CLOTH STRIP ON YOUR JOHN RITE STRETCH'R



Loosened or Removed

The easiest way to get the old emery cloth strip off to replace it, is by loosening or removing the front plate. Just by loosening the 3-5 rows of double screws at the bottom of the plate, you can get enough space to strip off the emery cloth. If the front plate needs more cleaning or the stainless piece needs some attention, then removing the whole assembly should be done. The new strip should have the double sided tape already applied. Remove the cover strip and apply the cloth at the top of the machine with no more than 1/16" showing from the top edge. Cut off the excess at either end.

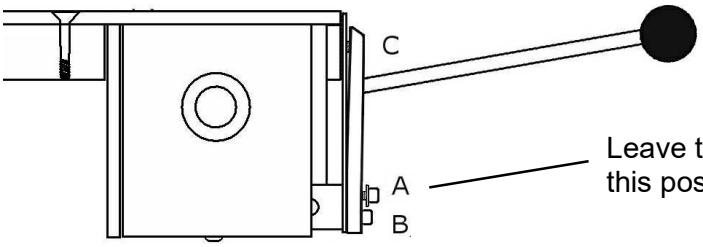
IT IS USUALLY NOT NECESSARY TO SCRAPE THE OLD ADHESIVE OFF.

A quick note about the screws shown here.

The "A" screws with washers are for **A**DJUSTING the overall tension against the canvas,

The "B" screws are on the **B**OTTOM and should always be TIGHT!

The "**C**" screws inside the top of the aluminum plate are for **C**ONSISTENT pressure along the top edge.



Leave the "A" screws loose until the handle is rotated to this position and the pushers move a little.

IMPORTANT NOTE: When replacing an emery cloth strip and re-tightening the bottom screws, ***NEVER TIGHTEN*** the "**A**" screws with the front clamp ***OPEN***.

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