

# Информация по настройке швейной машинки Аврора

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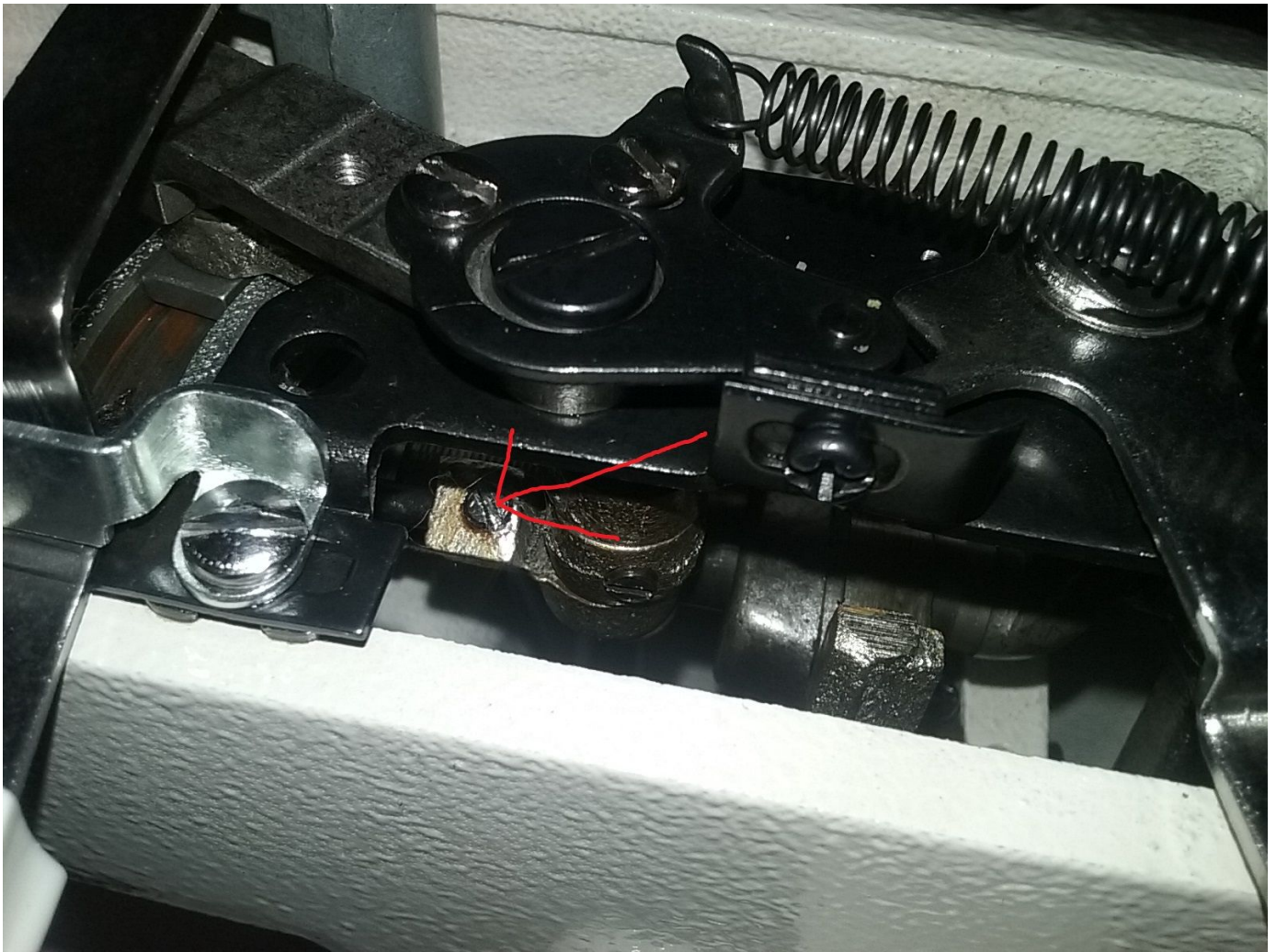
Next up adjusting zig zag and left center and right. Note any time the needle position is adjusted the bobbin hook has to be adjusted

Ok 1st some screw and what they do.

This screw holds stop for max zigzag width. Move the stop left increases width. Should be 5 mm width.



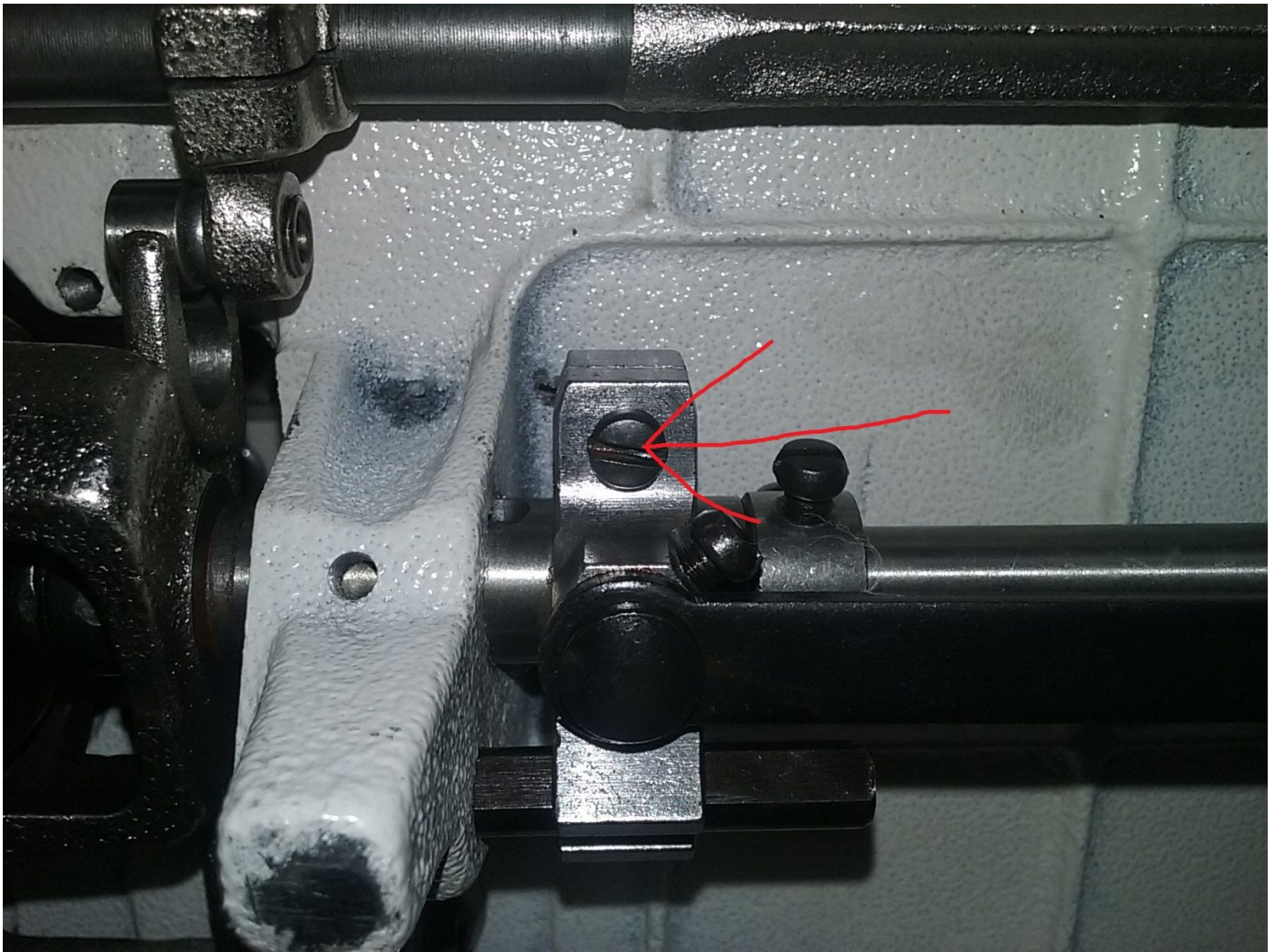
This screw adjusts needle position. Its a set screw that holds the linkage from the zig zag mechanism to the needle bar support. Use this to center the the needle in the plate.



This screw adjust adjusts left center and right. Loosen screw adjust so "center" is in middle of needle plate this is done after setting the zig zag width.

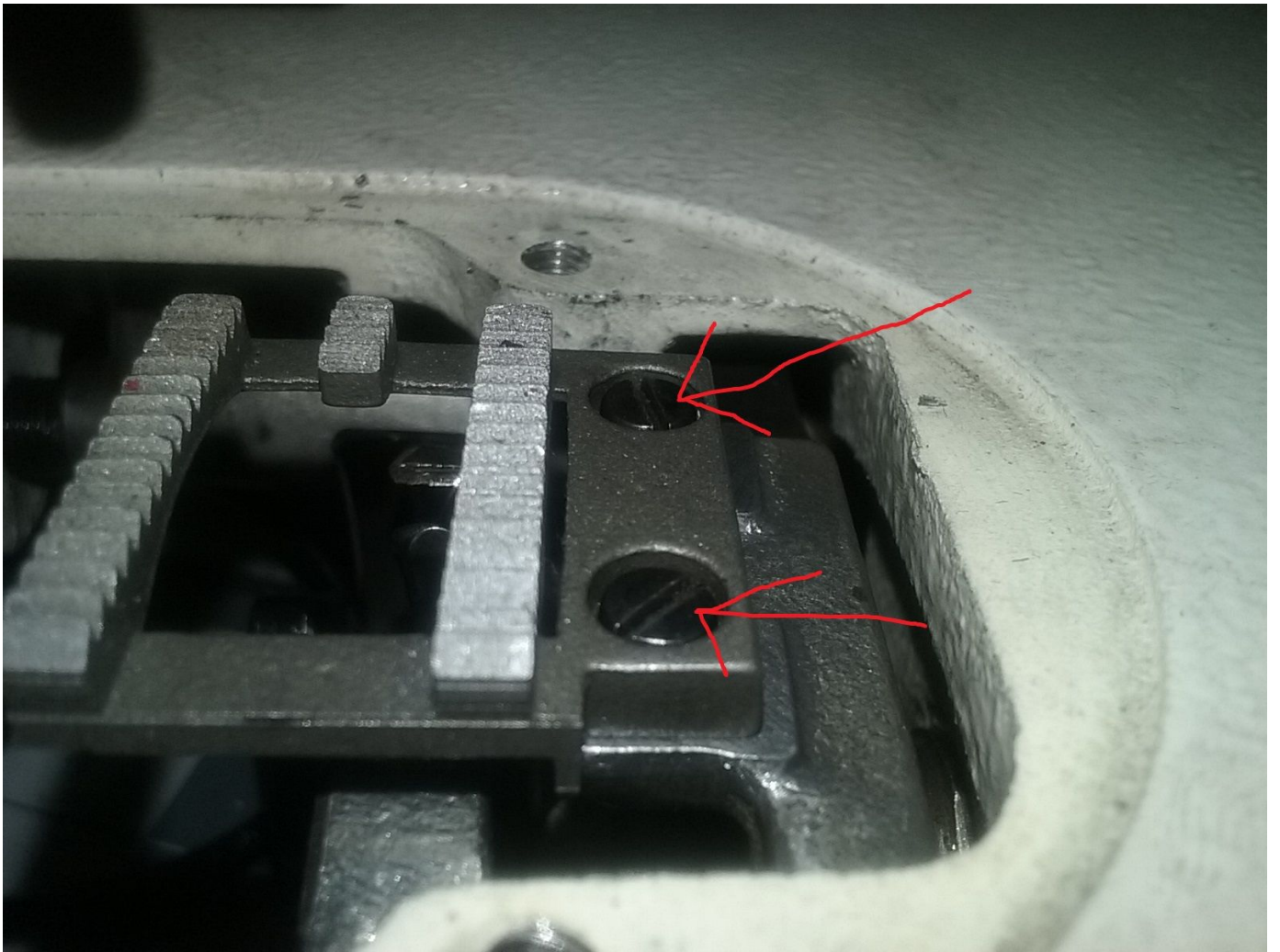


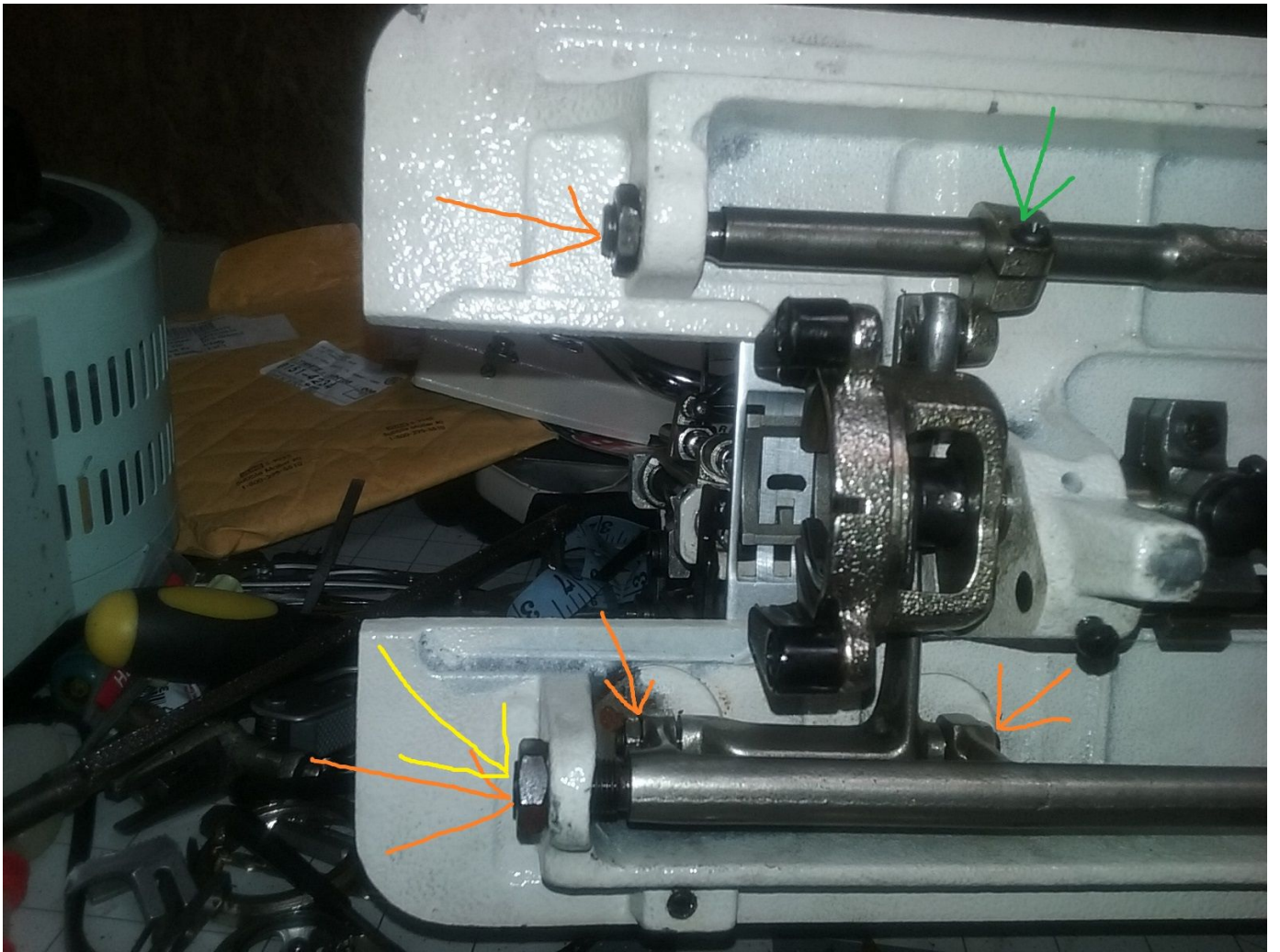
Finally adjust bobbin hook with this screw.

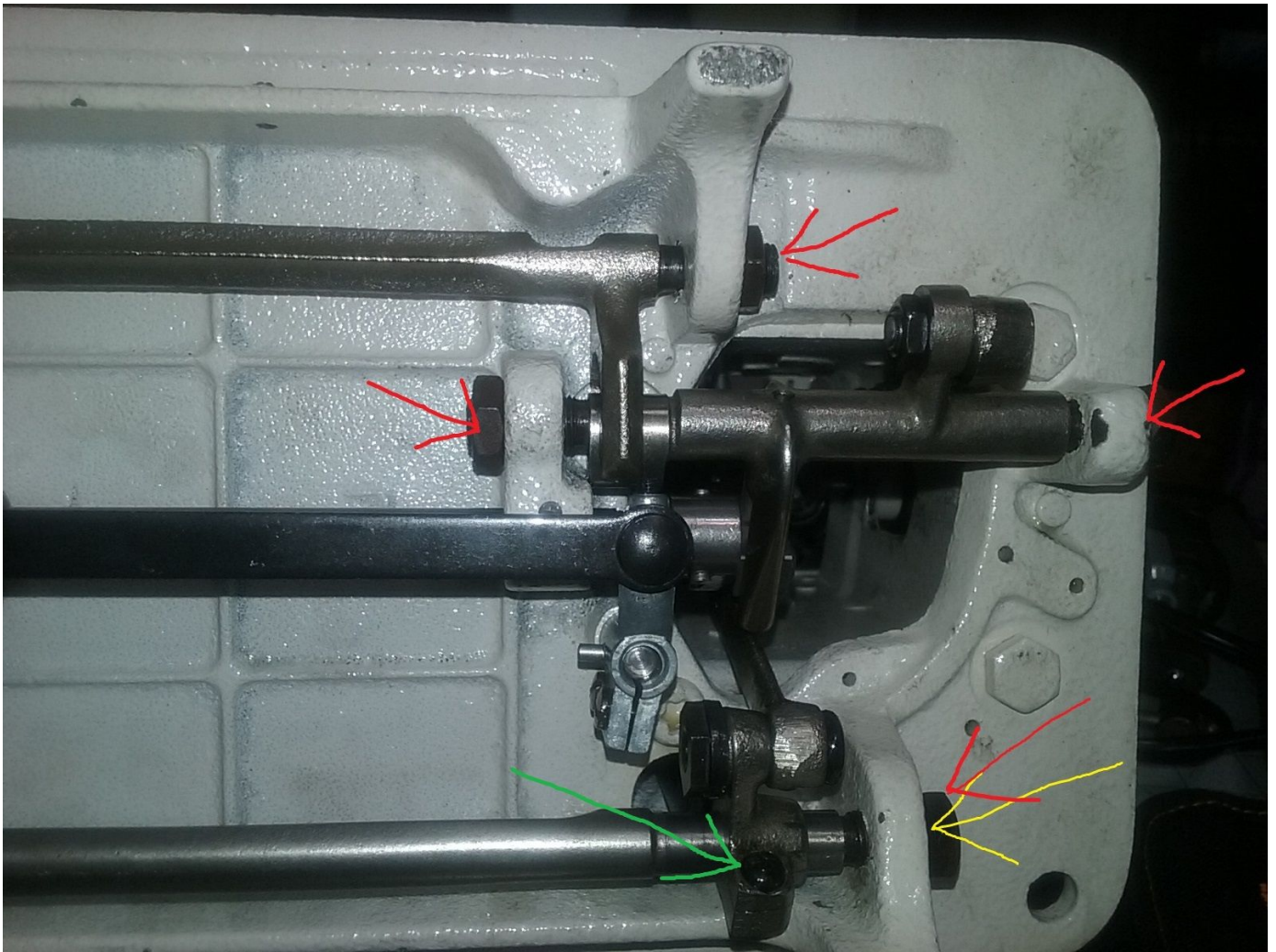


Feed dog adjustment and the feed dog drive mechanism..

A note about the feed dog drive mechanism. Its exactly the same as a 15 clone. Also take the time to adjust the end set screws. When adjusting you want the shaft they go into to still have free movement but no slop. These are marked red arrows on 2nd and 3rd photos. The set screws marked with additional yellow arrows will allow major left or right adjustment of feed dog. The 2 green arrows show the screws too adjust feed dog height and front and back adjustment. The 2 screws that hold the feed dog in the 1st photo can be loosened and the feed dogs squared up in the needle plate. Will also give a little left or right adjustment.







How does feed dog height adjust?

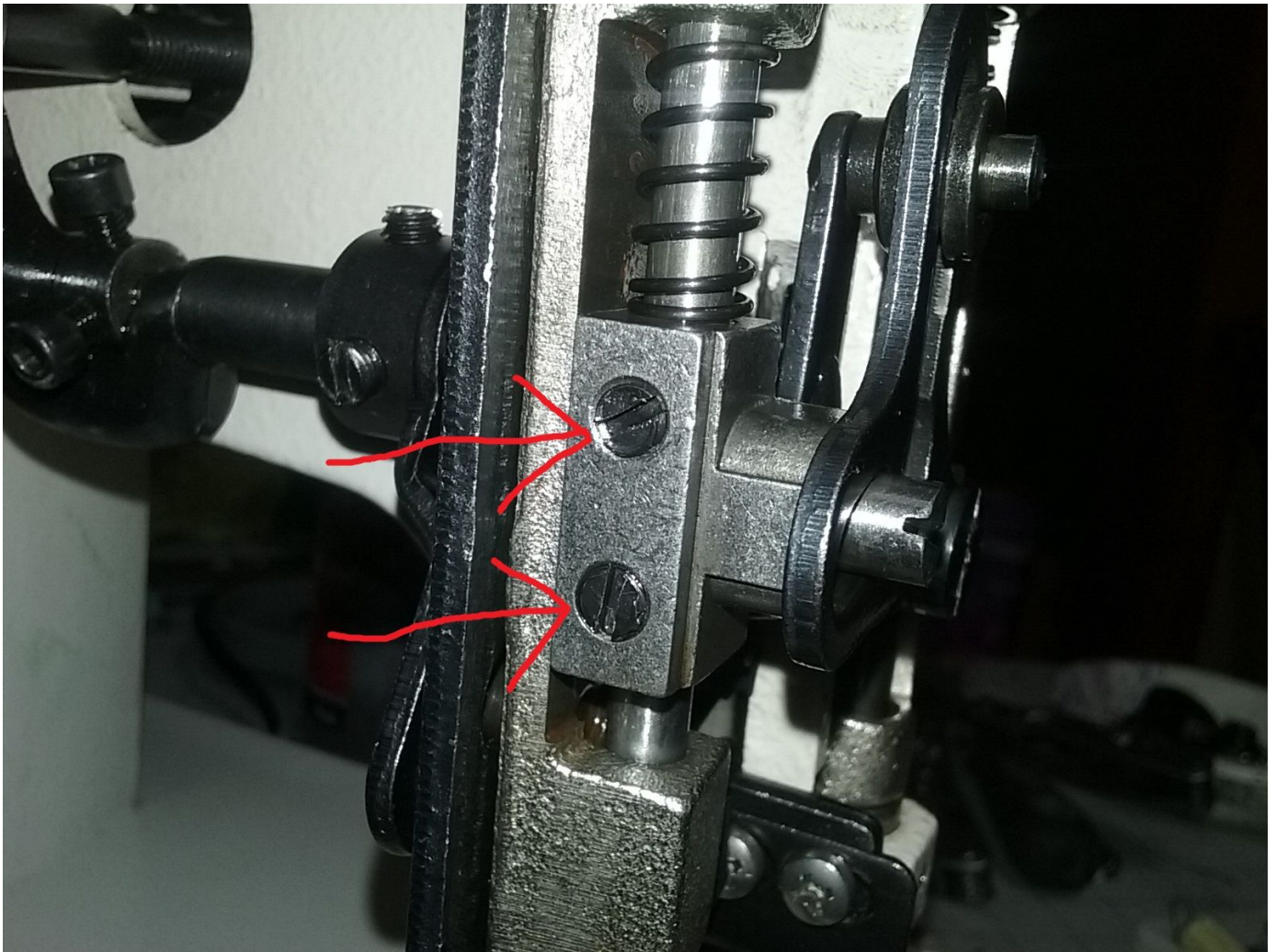
I thought the metal on the Consew I got rid of was soft. I don't blame you for changing. I believe Ray White said those machines are mostly a Singer 15.

Feed dog height second photo red arrow. Loosen screw turn clamp thing feed dogs will go up or down. Ray Whit is right its mostly a 15.

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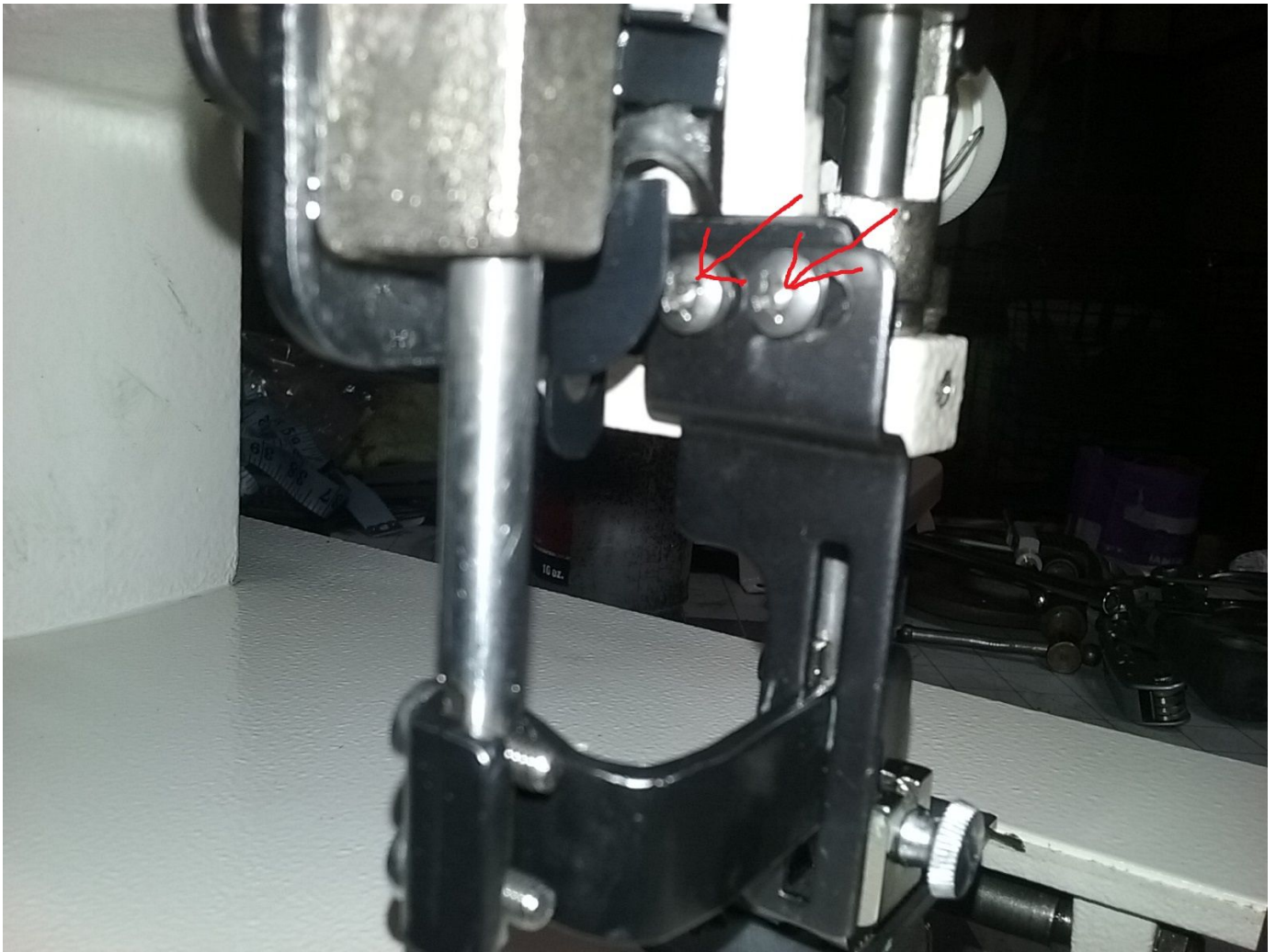
Next centering walking outer walking foot. Inner walking foot is not adjustable.

Loosen outer pressor foot bar. Try not to lose the height.



Loosen the guide. Align the foot. Tighten eveeverything back up.





If outer foot is crooked these can be moved a bit left or right. Then realign the guide.



Tuning the walking foot. 1st watch the 3rd video above several times if need be. There are many ways to adjust the walking feet correctly. I'll cover a few things the video doesn't cover.

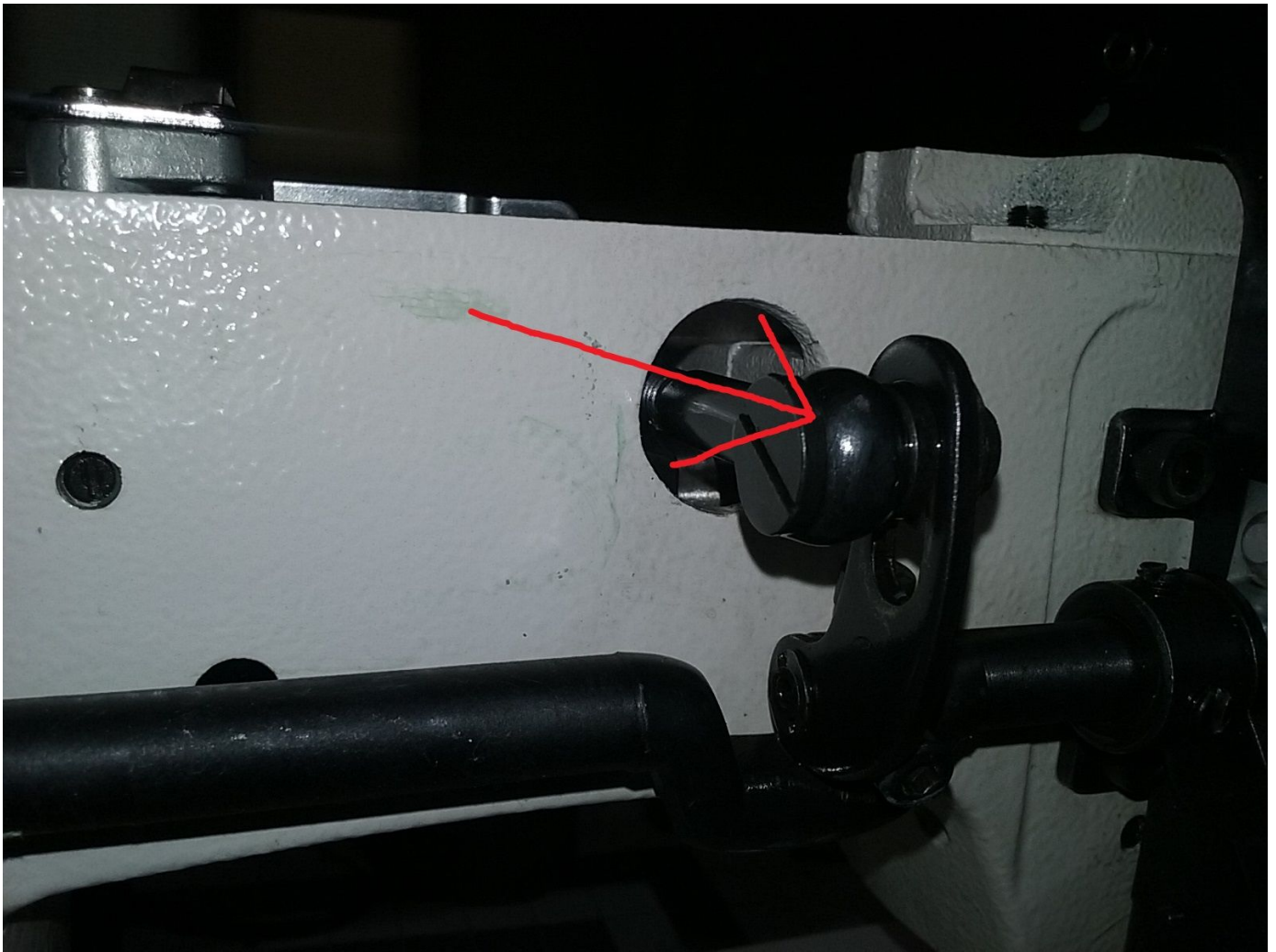
Walking foot stitch length and feed dog stitch length. These should be the same. Behind the motor plate are 2 arms. One of the arms is slotted. Moving toward the end of the slot will shorten the walking foot. Moving inward will lengthen the walking foot stroke.



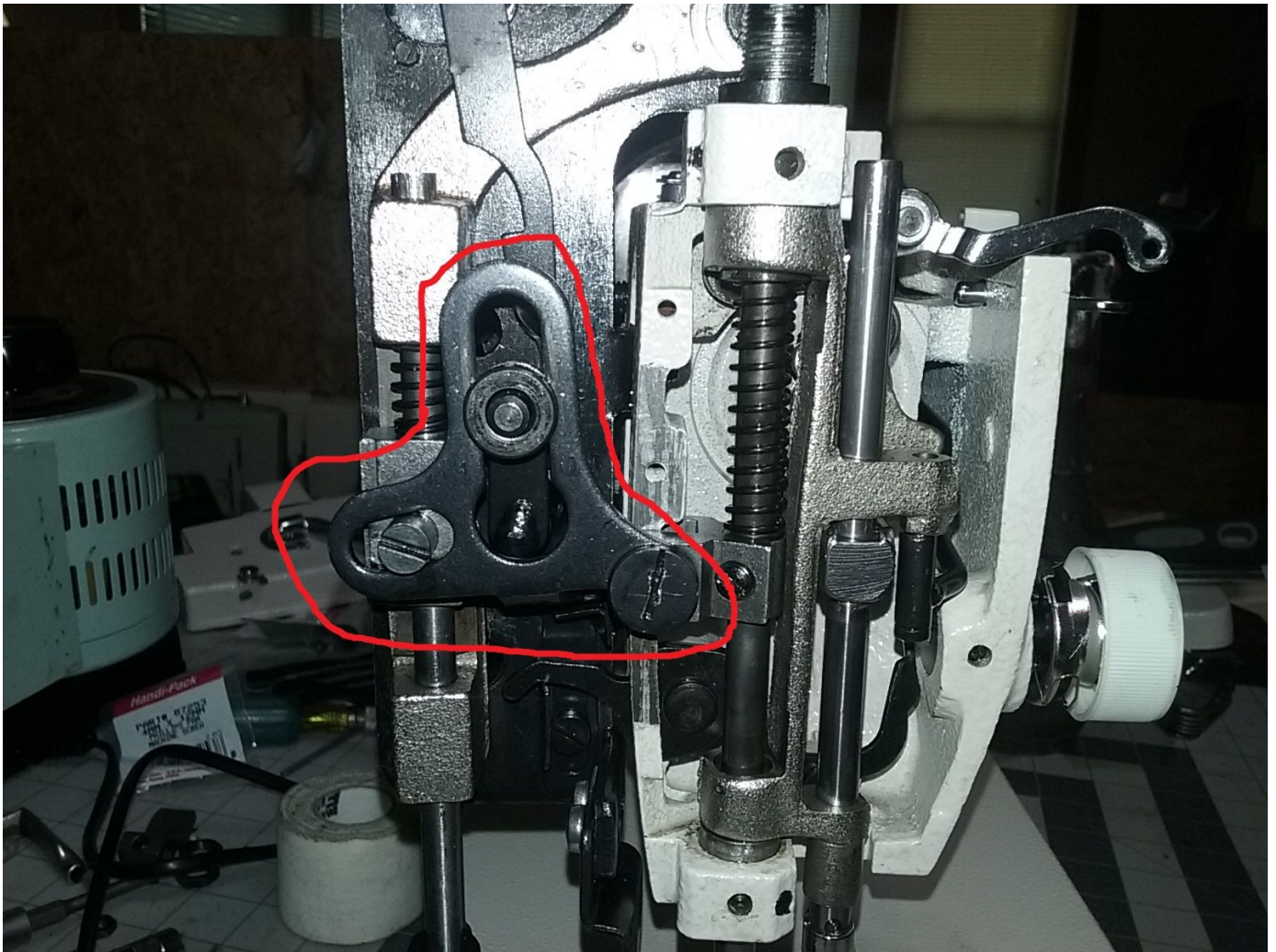
The pressor foot height is adjustable from 0 to over 14 mm maximum. I don't recommend maxing it all it does is put excess strain on the mechanism.

The video covers this well but leave out a couple things.

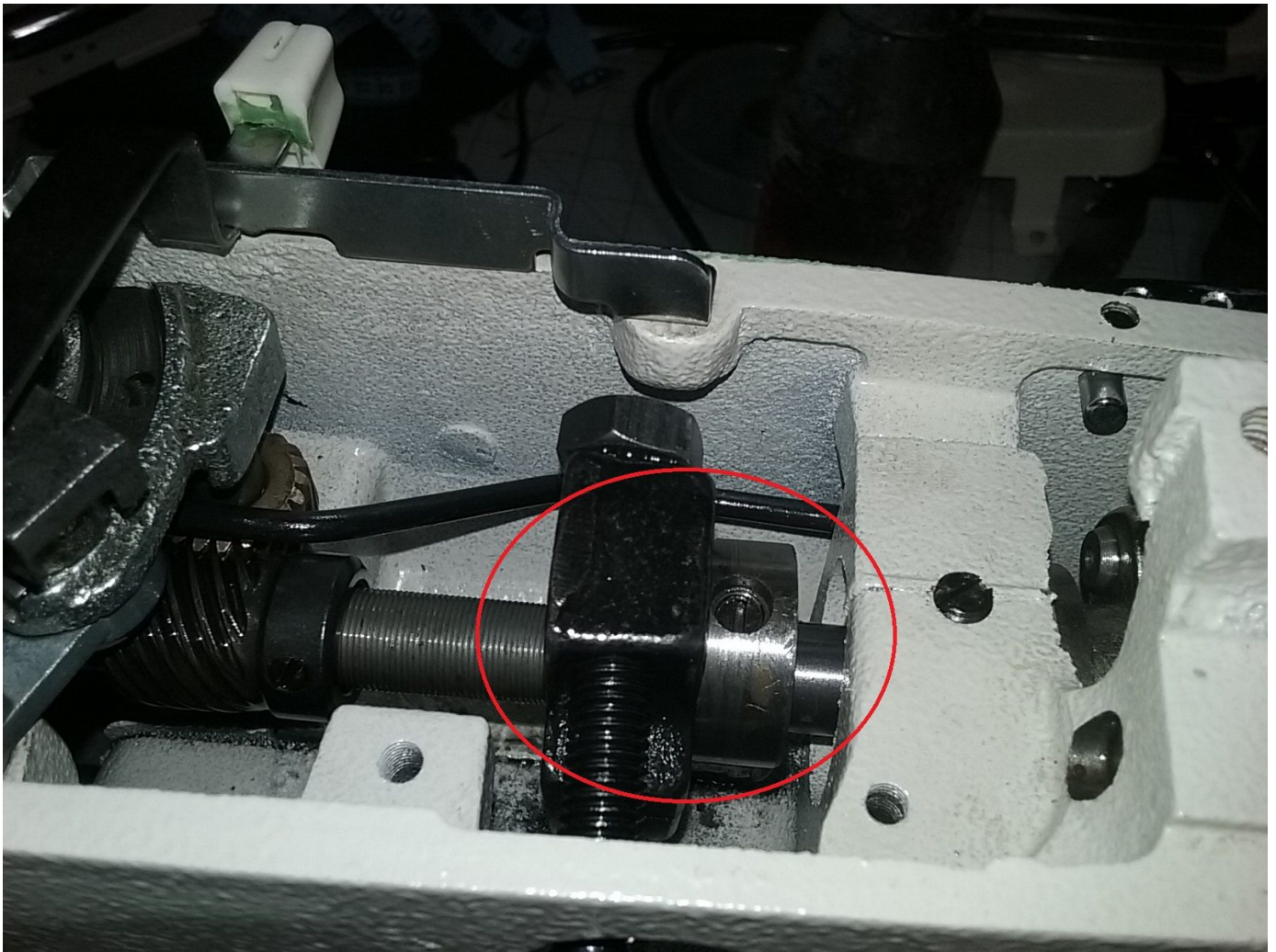
This adjustable slot the actuator rocker. Moving inward increases the stroke of the actuator. Moving outward decreases the stroke of the actuator. The actuator moves back and forth lifting and lowering the walking feet. The basics are the higher the pressor foot height the longer the actuator stroke has to be.



The actuator. Its connected to the inner and out walking feet making them go up and down.

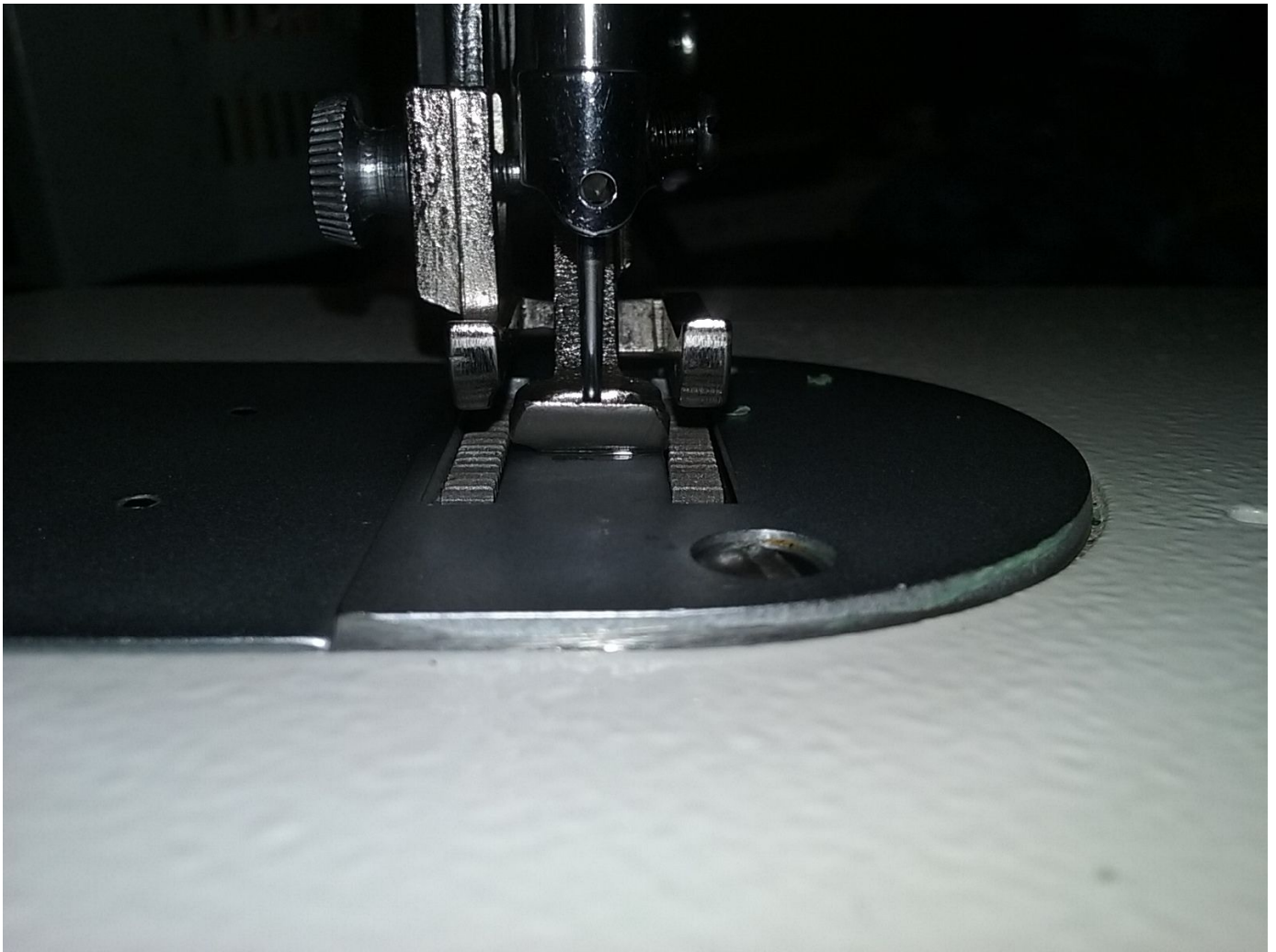


And the cam on the mainshaft the drives the actuator.

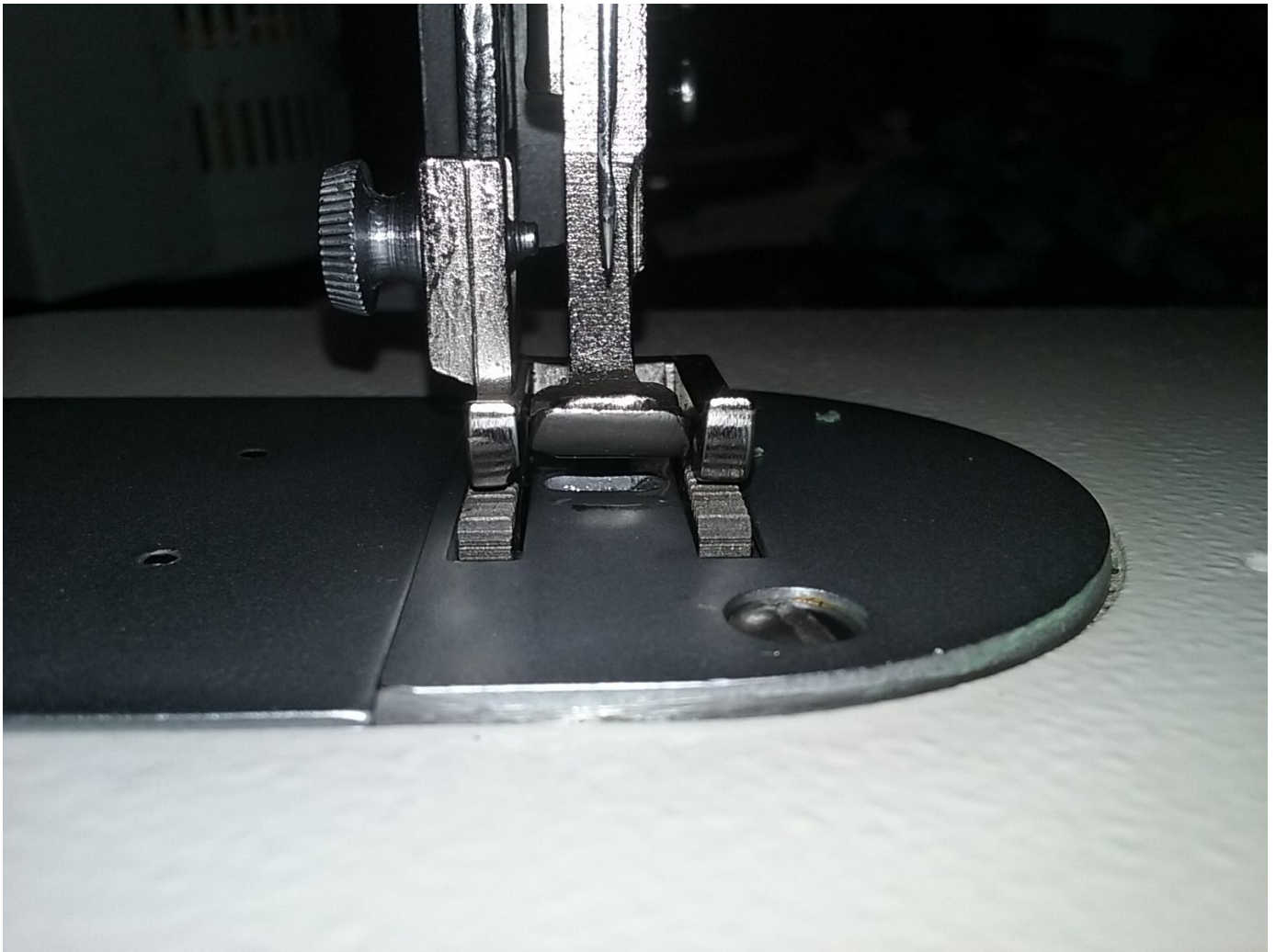


So what should the walking foot movement look like.

This is needle all the way down. Inner walking foot all the way down. Feed dogs and outer foot moving forward.

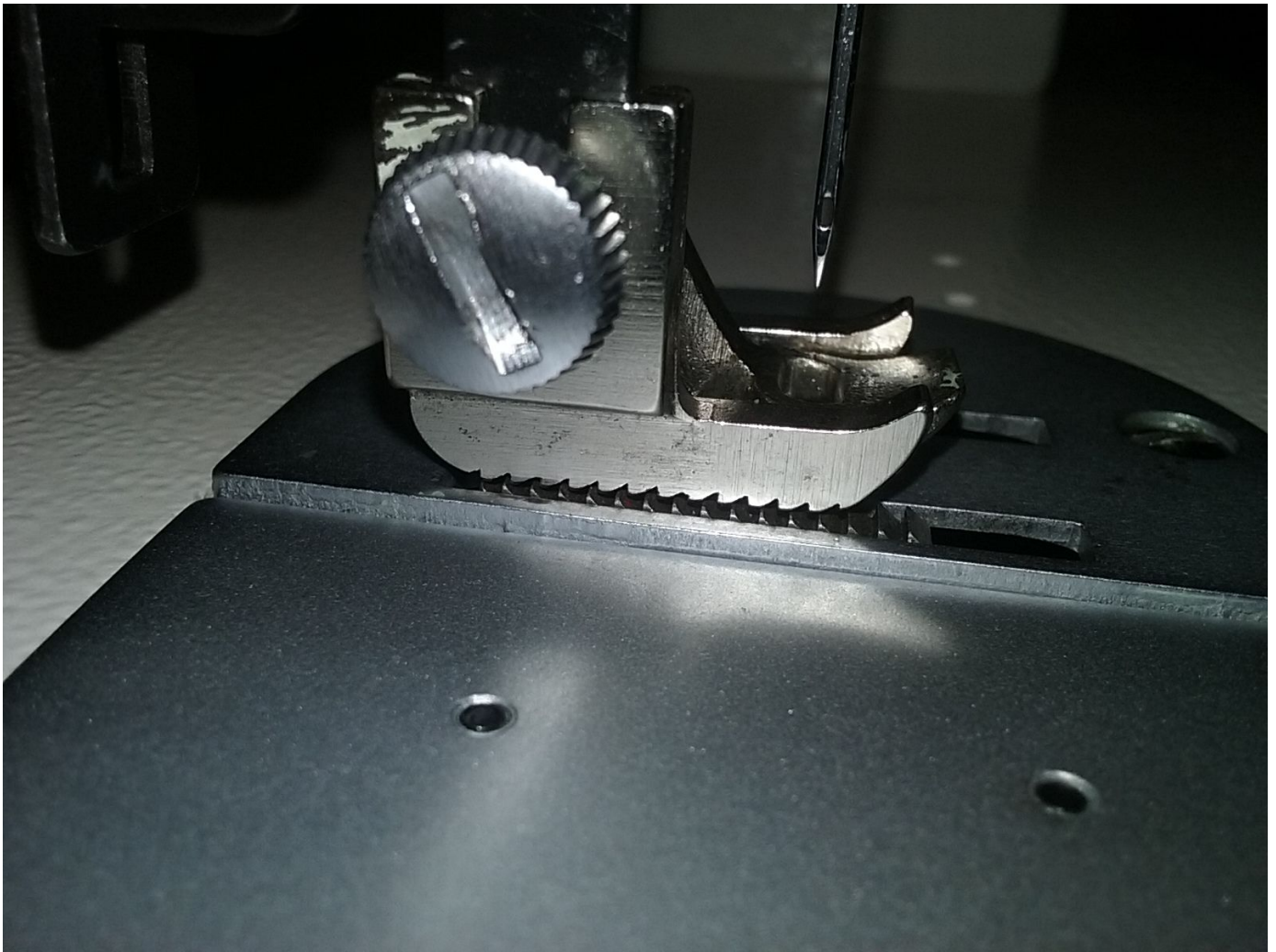


Needle all the way up. Inner walking foot up. Feed dogs and outer walking foot engaged and pulling fabric back.

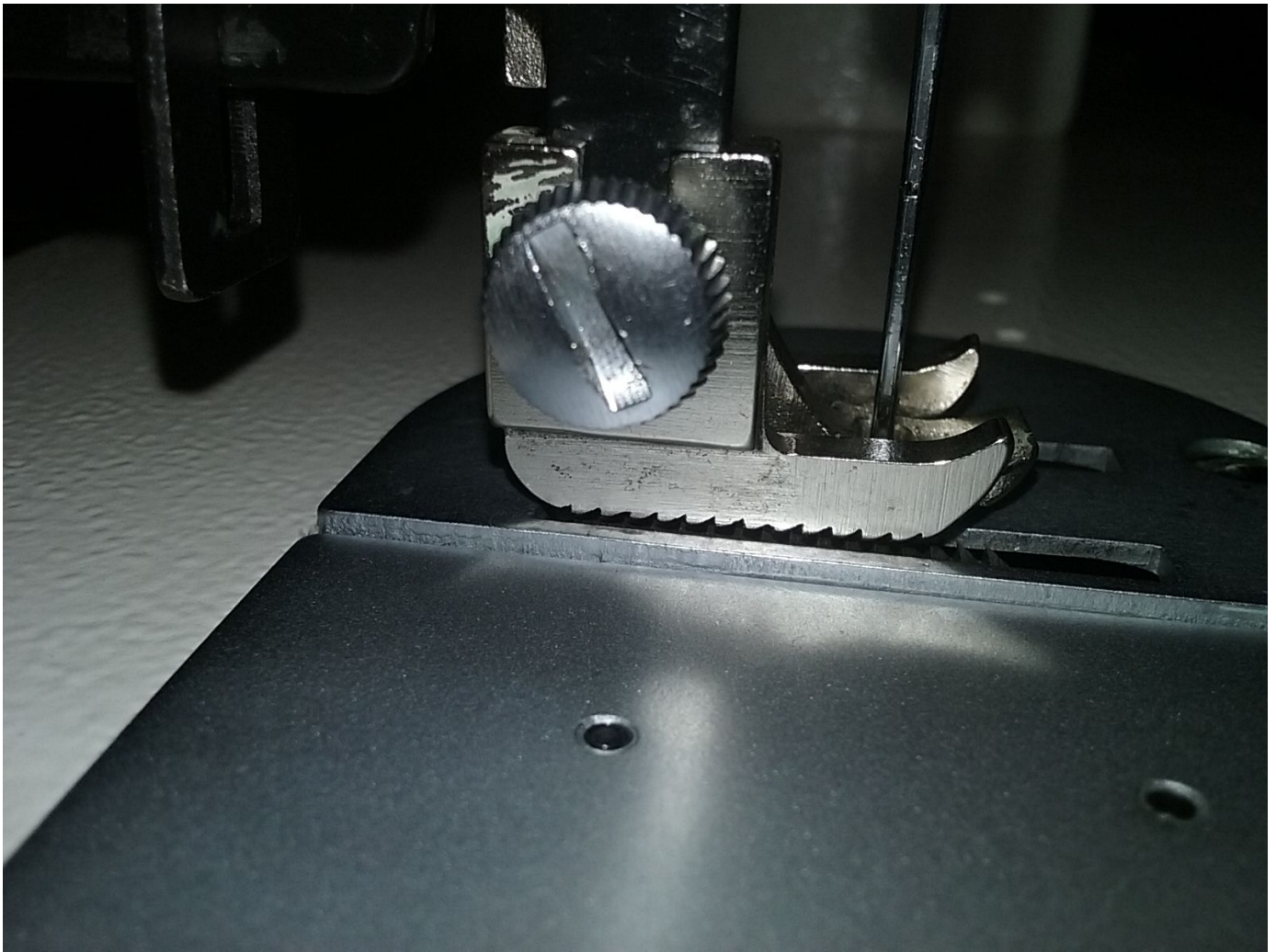


Side view needle on downstroke . Inner foot is going down. outer foot engaged with feed dogs.

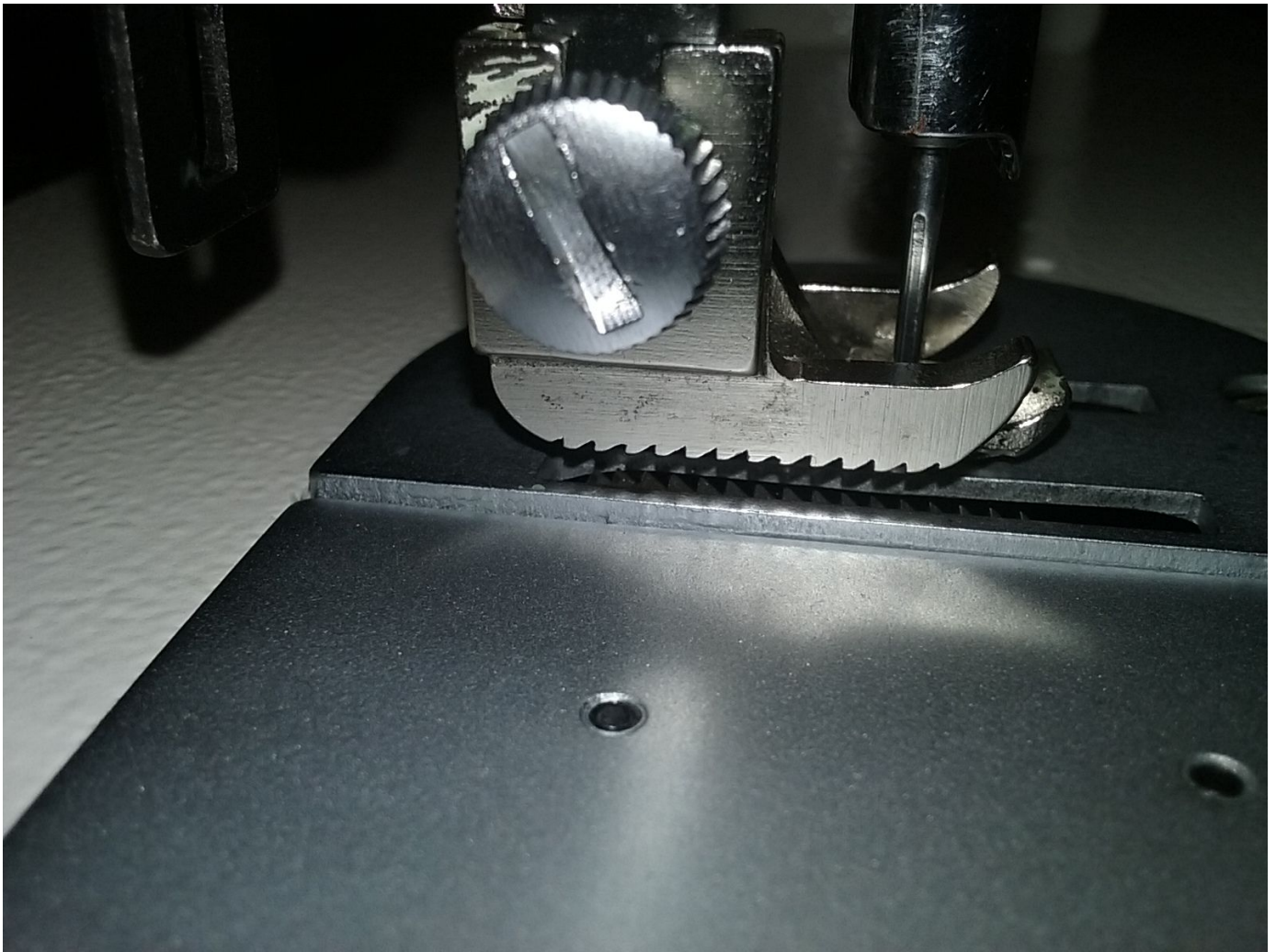




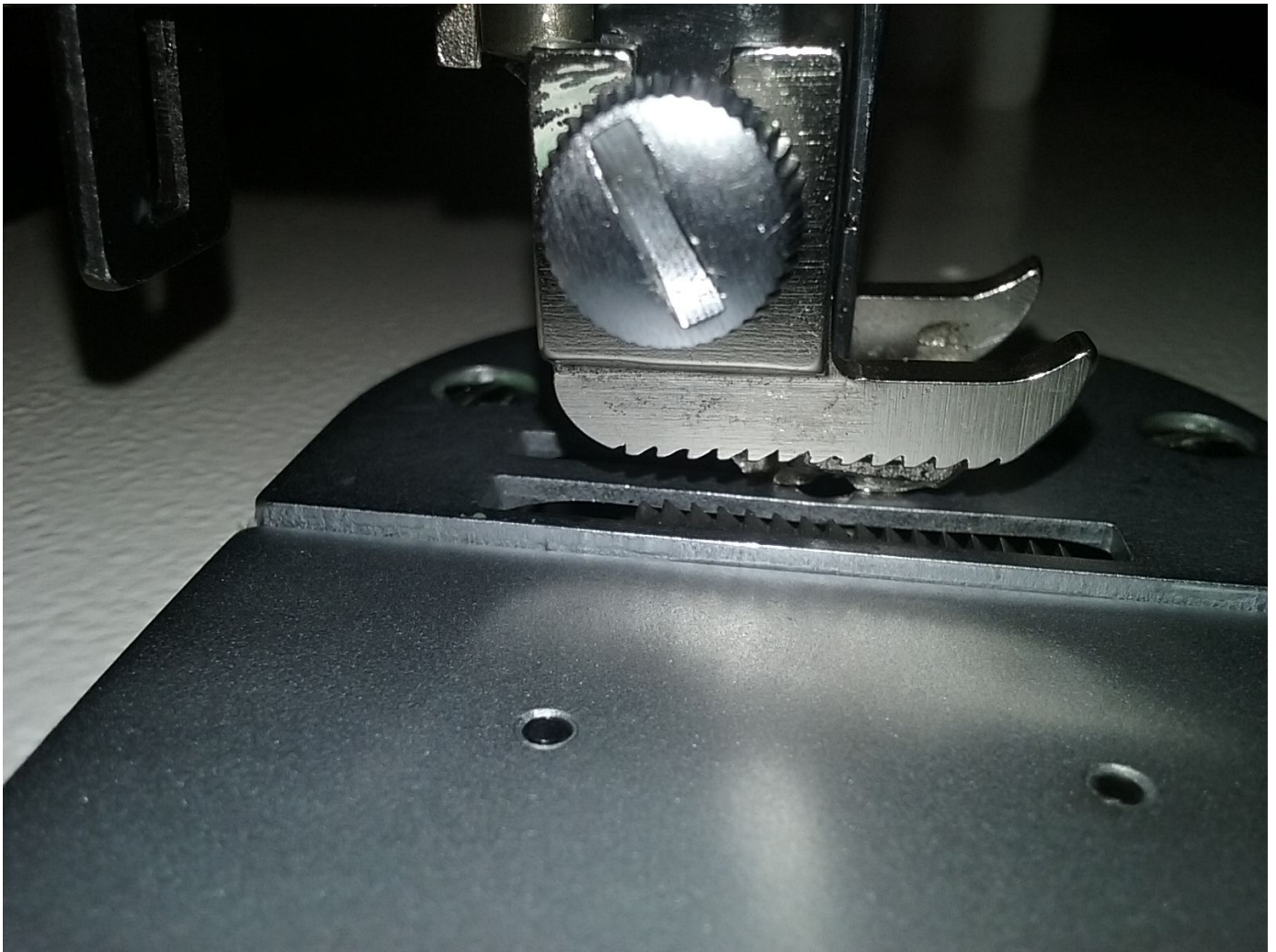
Needle downstroke as it enters fabric. Inner foot all the way down. Feed dogs down. Notice outer feed dogs stopped stayed slightly above needle plate.



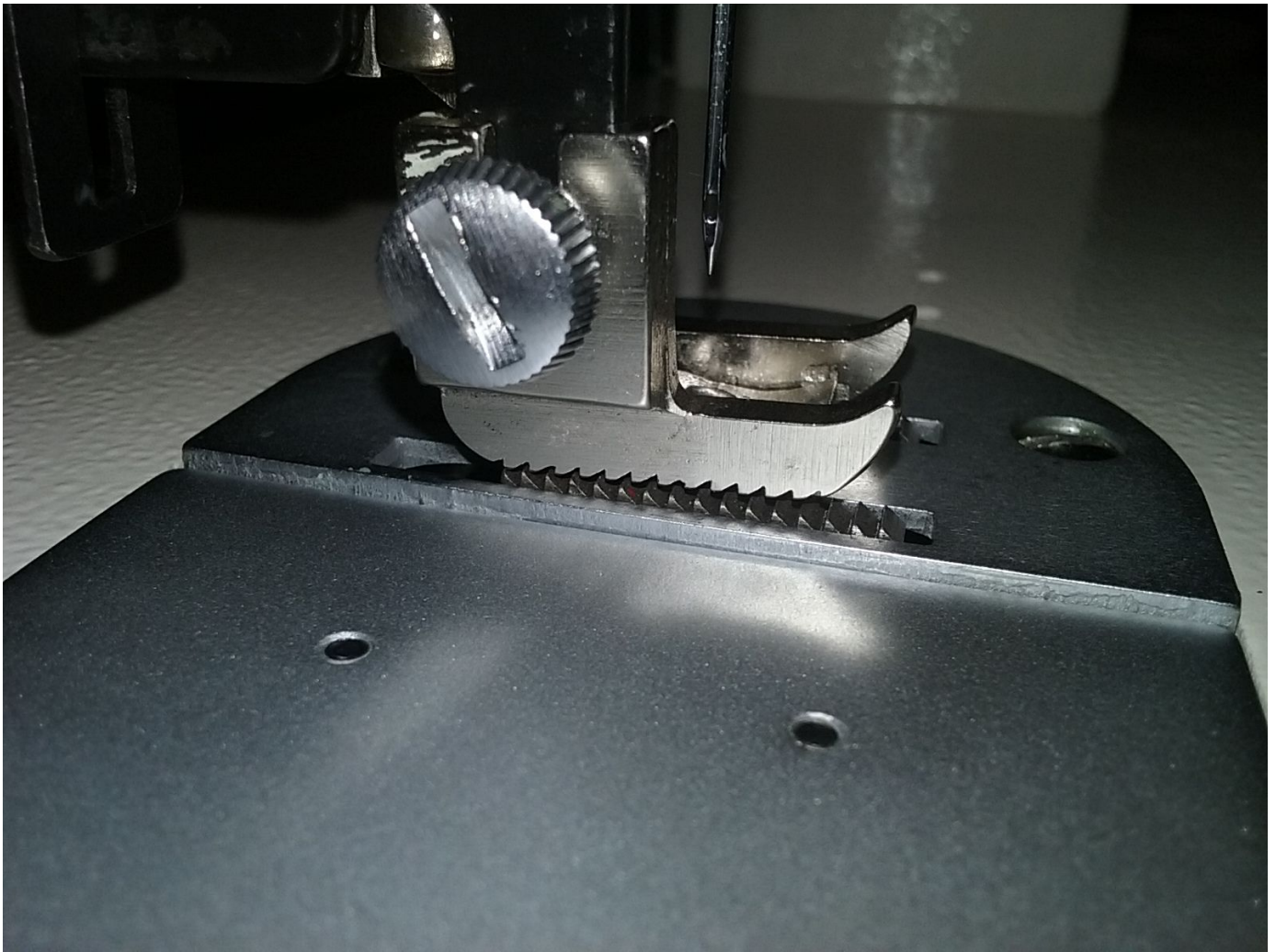
Needle at bottom of down stroke. Inner foot down. Outer foot up.



Needle on up stroke. Inner foot down. Feed dogs and outer foot moving forward.



And needle upstroke just before top of stroke. feed dogs and outer walking foot just starting to engage. inner foot down



Just after start on needle down stroke. feed dogs and and outer foot engaged pulling fabric back. Inner foot up.

And the cycle repeats.

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