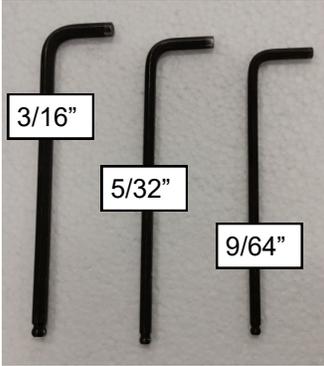


# RAZORGAGE

POSITIONERS • SOFTWARE • SYSTEMS

## RazorGage xT 10-Minute Hand Change



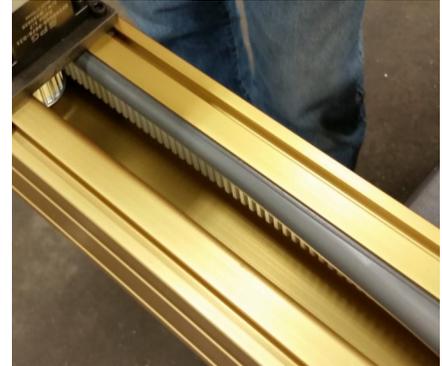
1) Gather tools.



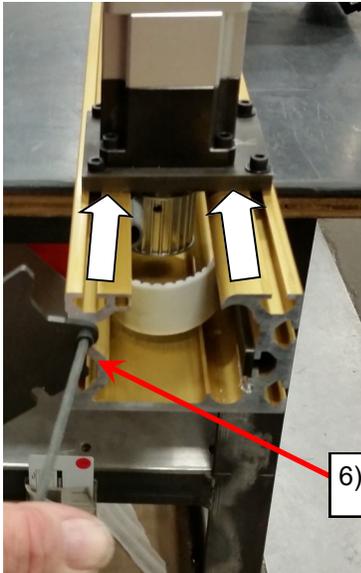
2) Roll beam face down.



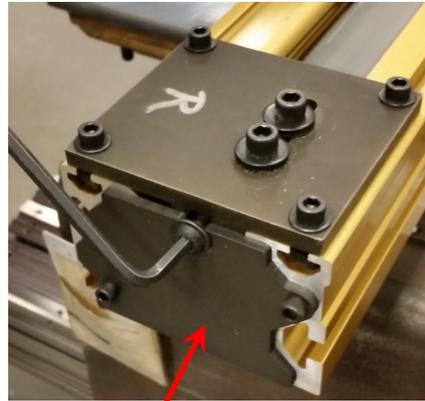
3) Tuck about 12" of seal under belt on motor end.



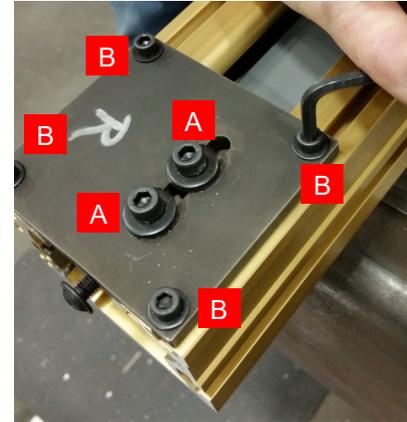
4) Loosen drive assembly mtg. screws.



5) Slide drive assembly in about 6".



6) Remove both end plates.



7) Loosen idler slide screws (A) and idler assembly mounting screws (B)



8) Using belt slack gained by sliding drive assembly inboard, slide idler out & remove.



9) Move brass threaded plug and tensioning screw to opposite side of idler block.





10) With idler removed, drive assembly will slide out.



11) On the end drive assy. is moving to, pull belt loop out and slide the drive assembly into the T-Slots.

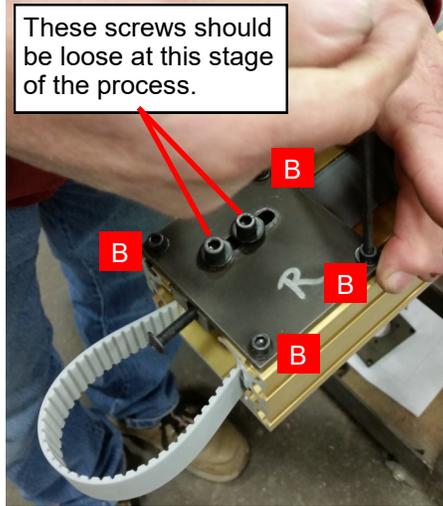


11) As before, tuck about 12" of seal under the belt on the new motor end.



12) Slide the drive assembly inboard about 6".

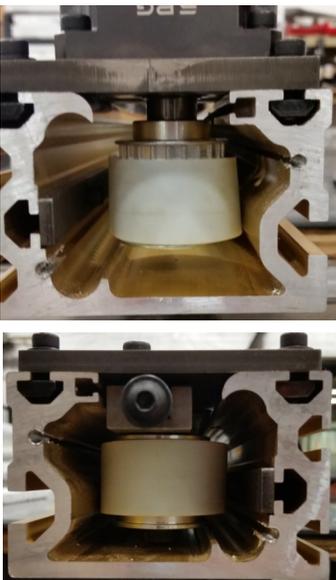
These screws should be loose at this stage of the process.



13) Using the belt slack gained by sliding the drive assembly inboard, slide the idler assembly into the t-slots and tighten mounting screws (B).



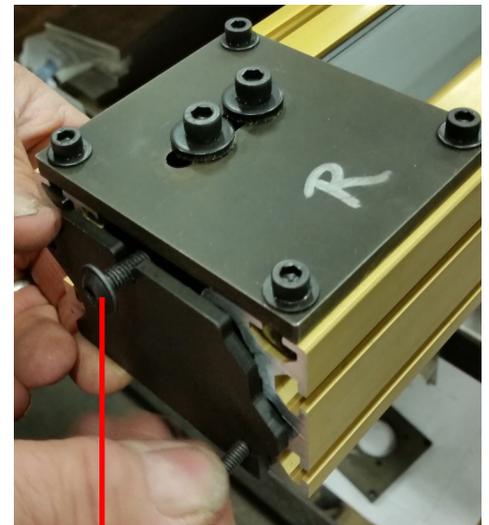
14) Position drive assembly flush with end and tighten mounting screws TIGHT!



15) Ensure belt is inside the pulley flanges on both ends.



16) Install end caps on both ends.



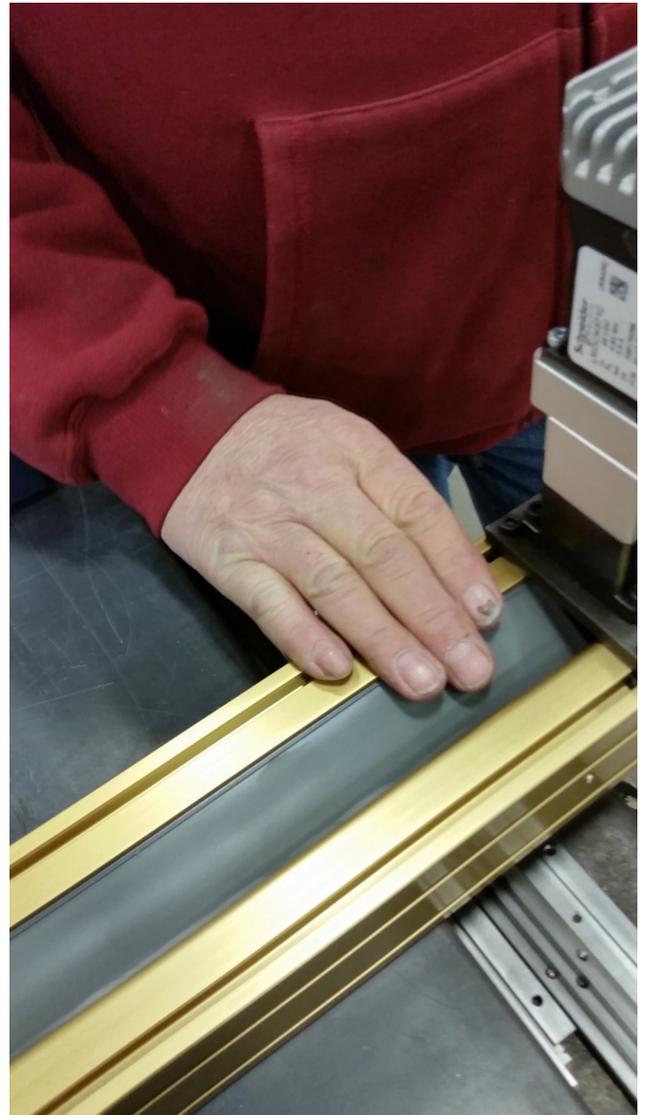
17) Insert the idler tensioning screw.



19) Tension belt using the idler tensioning screw. Feel the belt as you go until the belt has a snug feel. If you overtighten the belt, the motor will stall when it tries to move the carriage. If that happens the belt is too tight. After performing step 20 & 21 and after hooking up the cables to the motor, run the positioner to see if it stalls. Loosen the belt a little at a time until the motor will drive the carriage at least 2 inches per second. If you want to go faster, loosen the belt. If you want tighter accuracy, tighten the belt and reduce the speed.



20) Tighten idler slide screws.



21) Tug the seal out from under the belt and tuck it just inside the extrusion lip as shown.

22) Once you're done and the RazorGage xT is running again, go through the calibration process. If you're unsure about how to calibrate, watch the RazorGage xT Software video on the RazorGage YouTube Channel or click SETTINGS, and then click the button labeled "MY PARTS ARE WRONG" and then click FACTORY CALIBRATION.