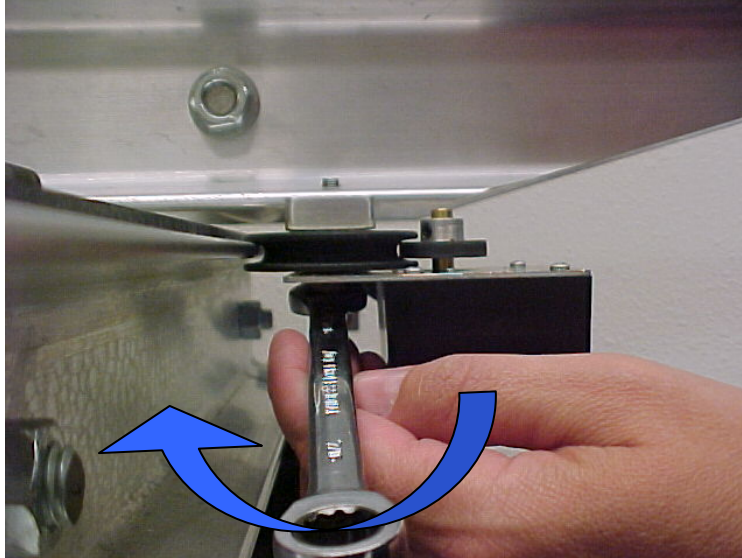


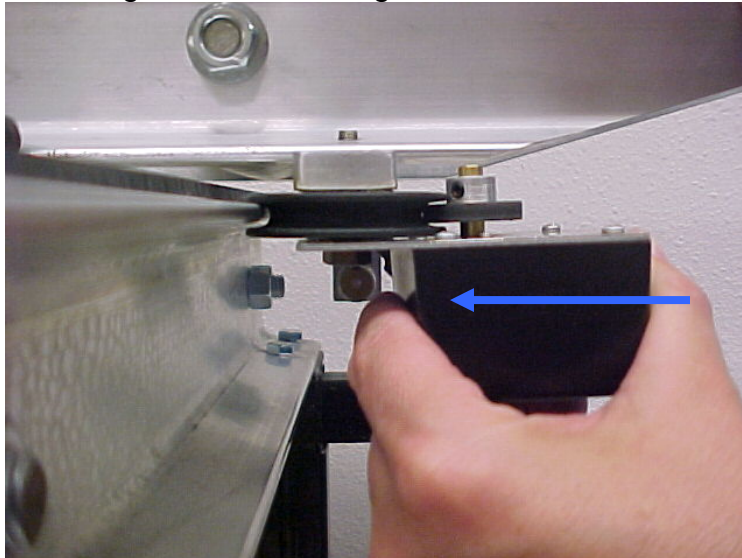
ADJUSTING ENCODER WHEELS

Carriage Encoder (Side-to-side)

Using 7/16" wrench, loosen gold mounting bolt that holds the encoder on the carriage axle. You don't have much room to work, but once the encoder box starts to spin, then you can swivel it out of the way so you have more room to access the bolt.



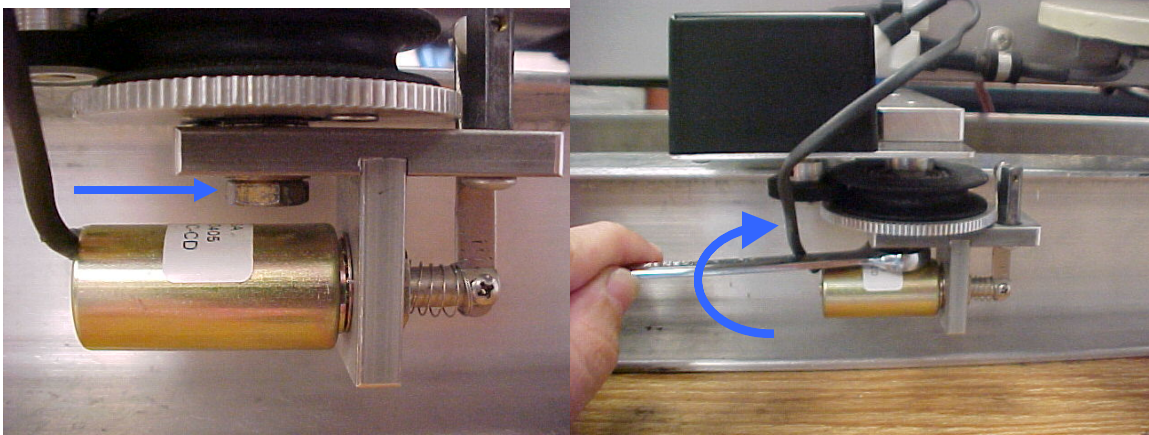
Then, once the encoder box is loose, push it closer to the table...this will move the encoder wheel in tighter to the carriage wheel.



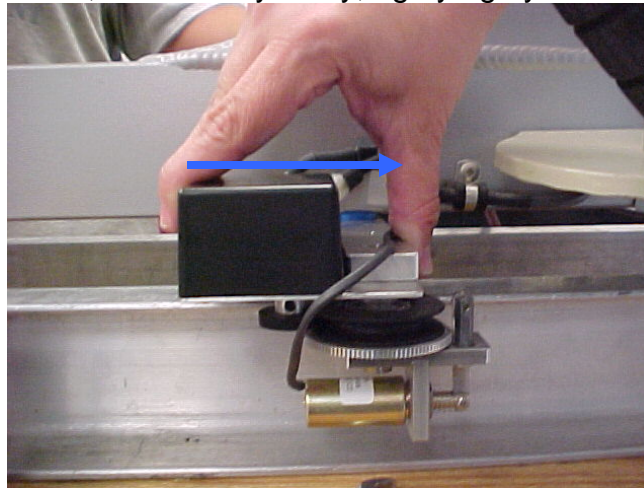
You should feel a fair amount of tension between the two wheels. If you can get the rubber wheel to 'squeak', you'll be able to get by for a while. Once the position is set, then tighten the gold mounting bolt again, holding the encoder box in place. Check the positioning before tightening the bolt completely...

Head Encoder (Front-to-back)

The encoder on Millenniums (as shown) is installed on the same wheel as the channel lock, so there is a little more involved in adjusting it. On machines without a channel lock, there won't be the gold or silver barrel mounted under the brass bolt.



As in the carriage encoder, use a 7/16" wrench to loosen the gold bolt. Again, this bolt is upside-down, so the "lefty-loosy, righty-tighty" rule is reversed.



Once the bolt is loose, pull the box towards the rear of the machine, moving the encoder wheel closer to the carriage wheel. Once you have the position you desire, re-tighten the gold bolt, making sure the channel lock is perpendicular to the axle, and re-test the tension between the two wheels.