



How To

Service Documents from APPI

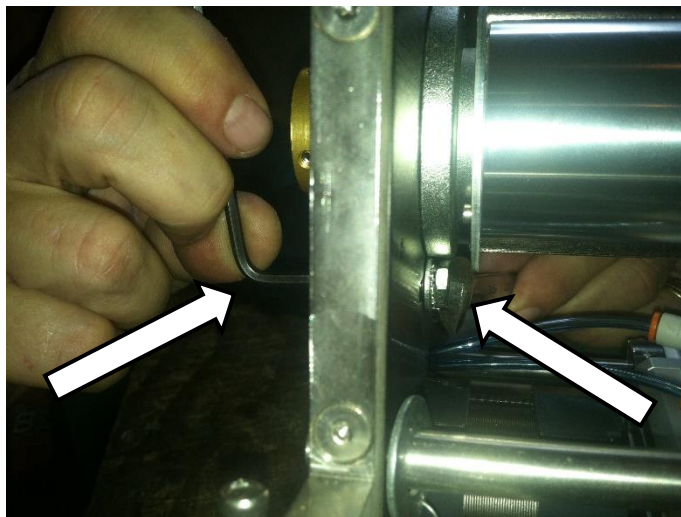
Document: #HT000007

Document Title: Remove Take-Up Spindle and Drive Motor

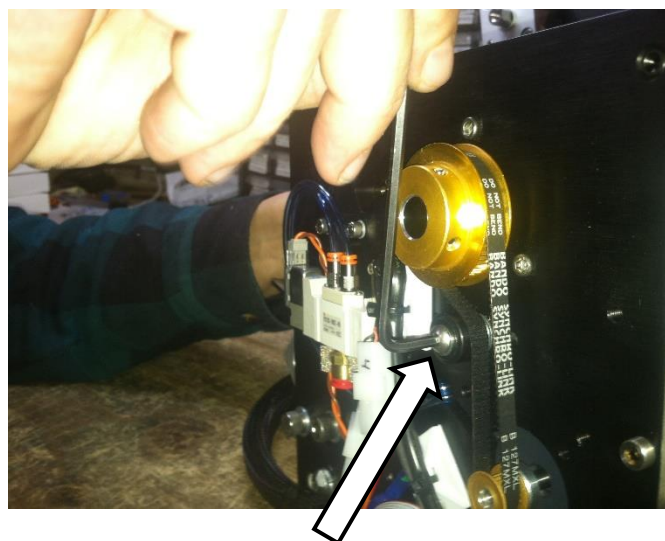
Product(s): Ti-1000Z

Procedure:

Turn Main Power “OFF” before beginning procedure.



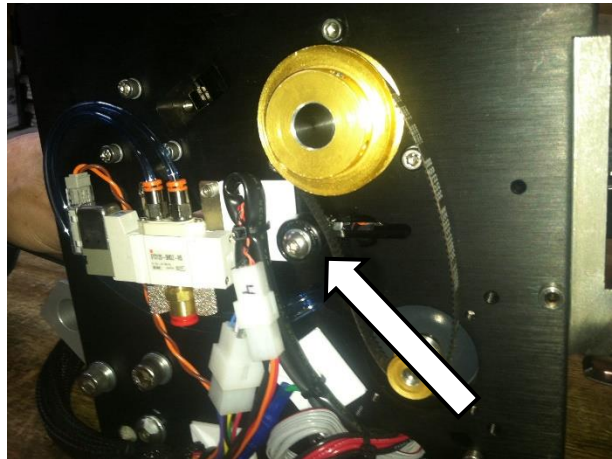
With a 3/8” hex wrench, loosen the nut to release the Belt Tension.



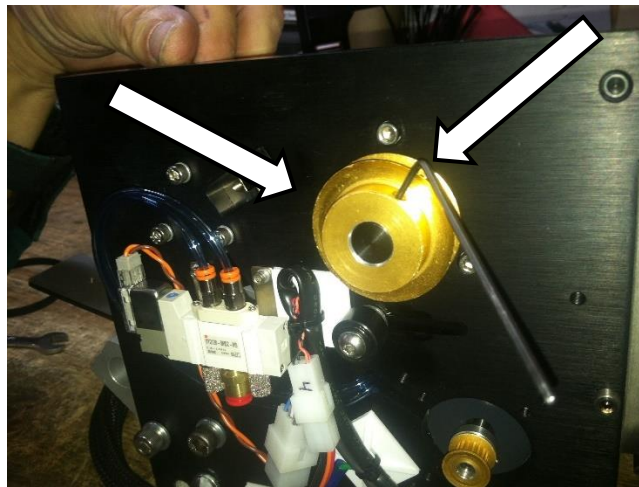


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Move Bearing back to release Belt Tension.



Loosen the two Set Screws on the Pulley.



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Remove Pulley

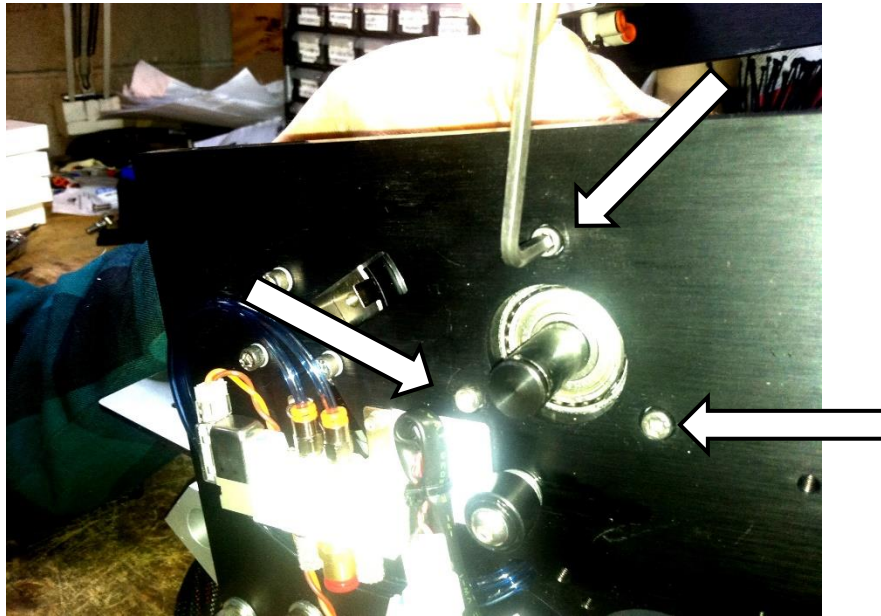


Remove Spacer



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Remove the three Socket Head Bolts holding the Spindle o the frame.



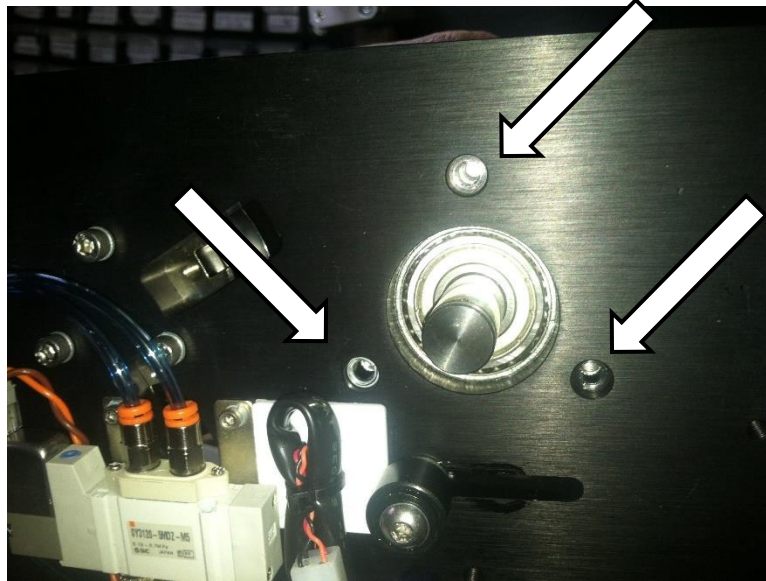
Carefully remove Take Up Spindle.



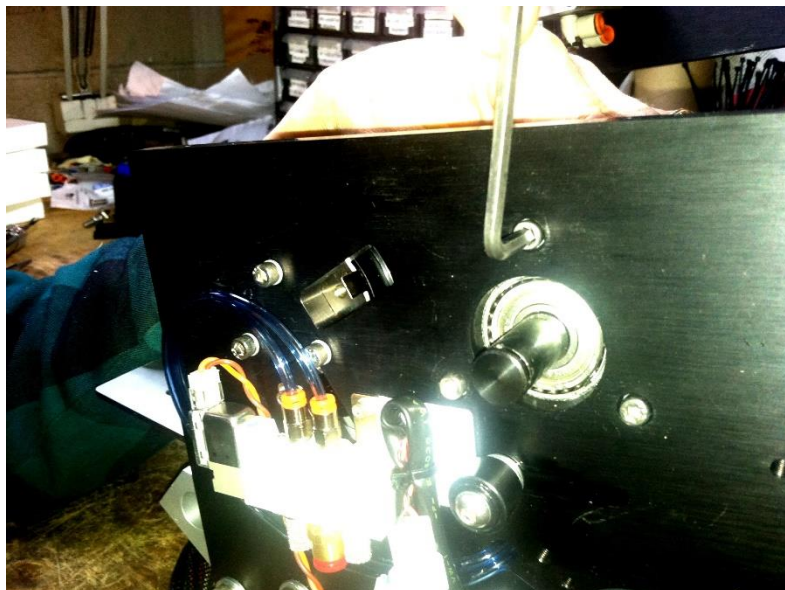
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Install new Take Up Spindle.



Make sure the three holes line up.



Put Socket Head Bolts in and tighten.



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Put the Spacer on the Spindle Shaft.

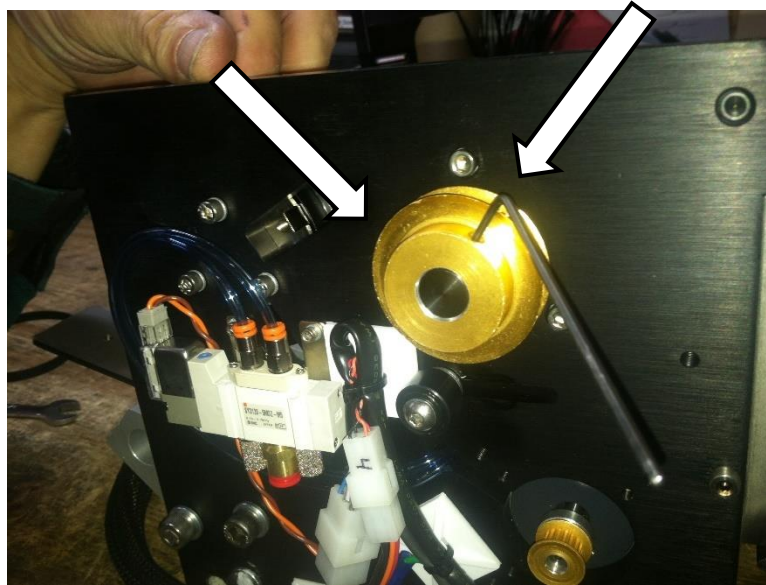


Install Pulley

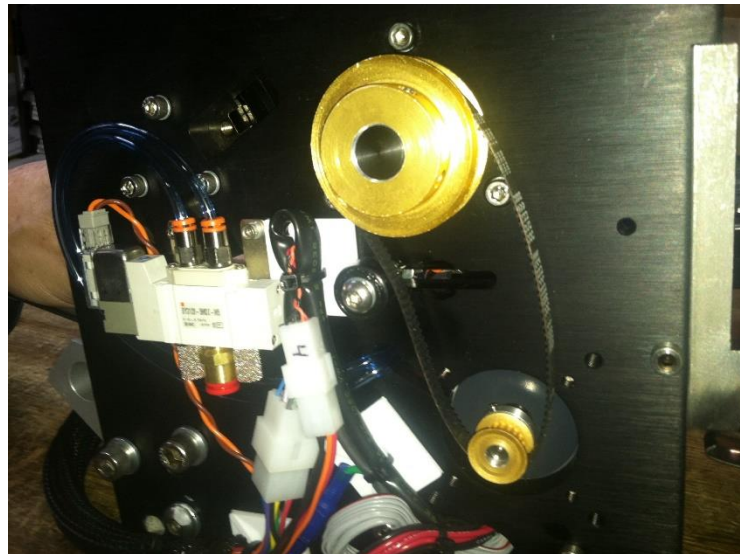


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Tighten the two Set Screws



Put Belt on Pulleys



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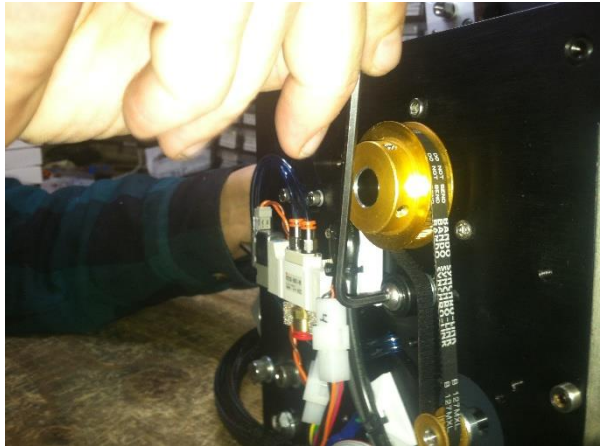
Adjust Belt Tension and Tighten.



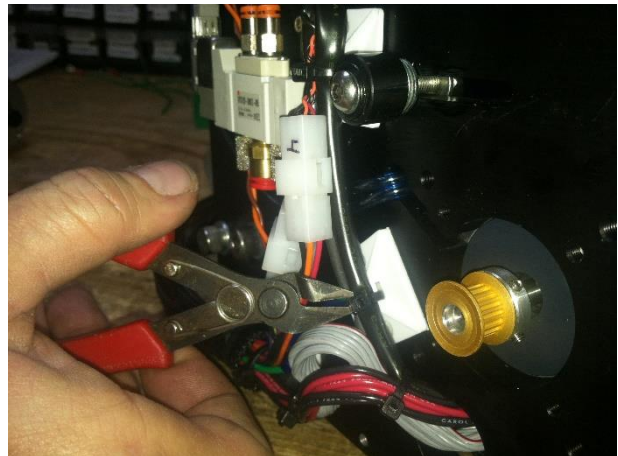
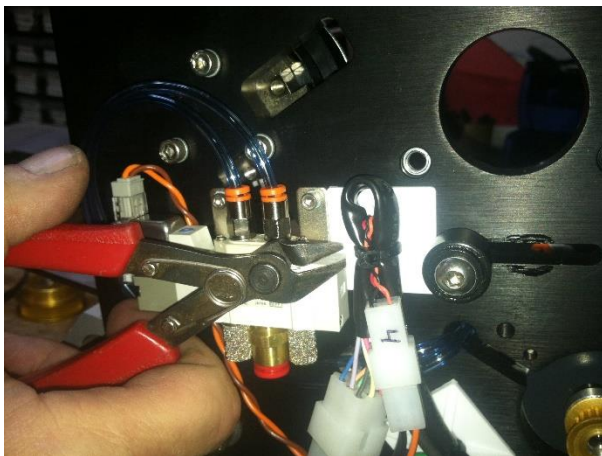
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Replace Drive Motor:



Loosen Belt Tension

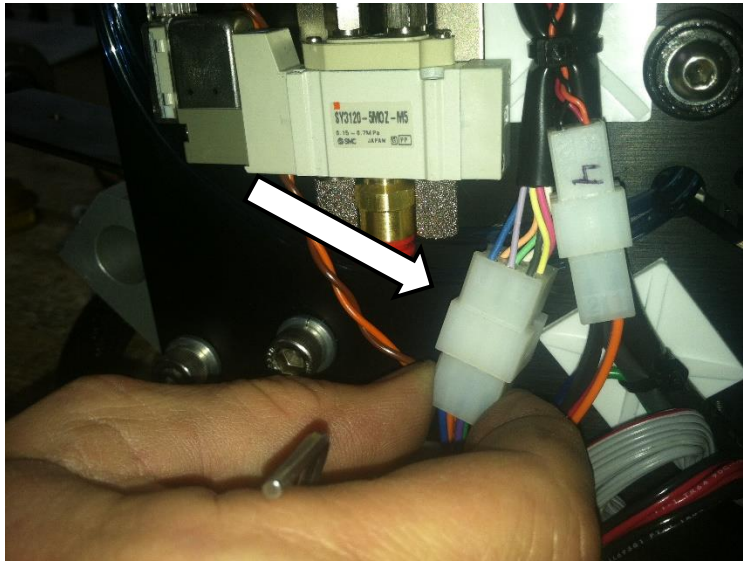


Cut the Wire Ties on the Motor Harness.



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Disconnect Connector going to the Motor,

NOTE: DO NOT PULL ON SMALL WIRES!

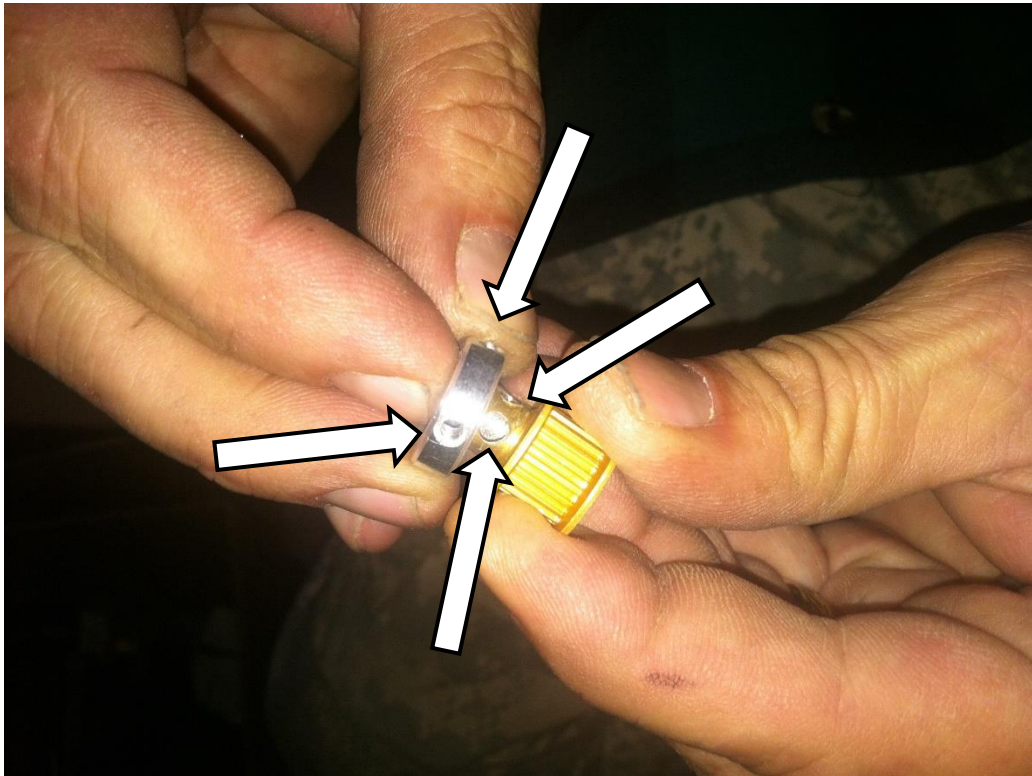


Unscrew the four Socket Head Screws holding the Motor to Side Frame.



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Unscrew the small Set Screws on Collar and remove Pulley from old Motor Shaft.
Note: There are two Set Screw Holes in Collar the line up with the Pulley.

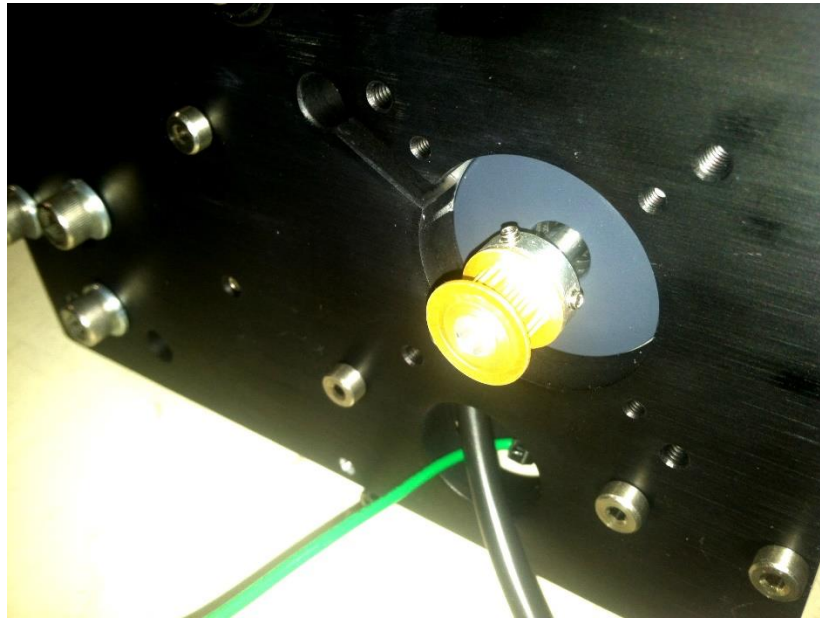


Mount the new Motor to Side Frame and tighten the four Socket Head Bolts.

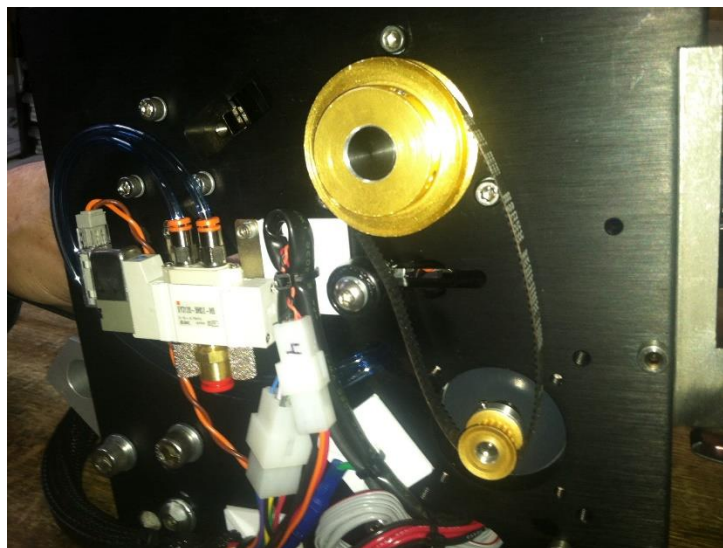


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Slide on the Collar and Pulley to the Motor Shaft, DO NOT TIGHTEN YET.



Replace the Belt

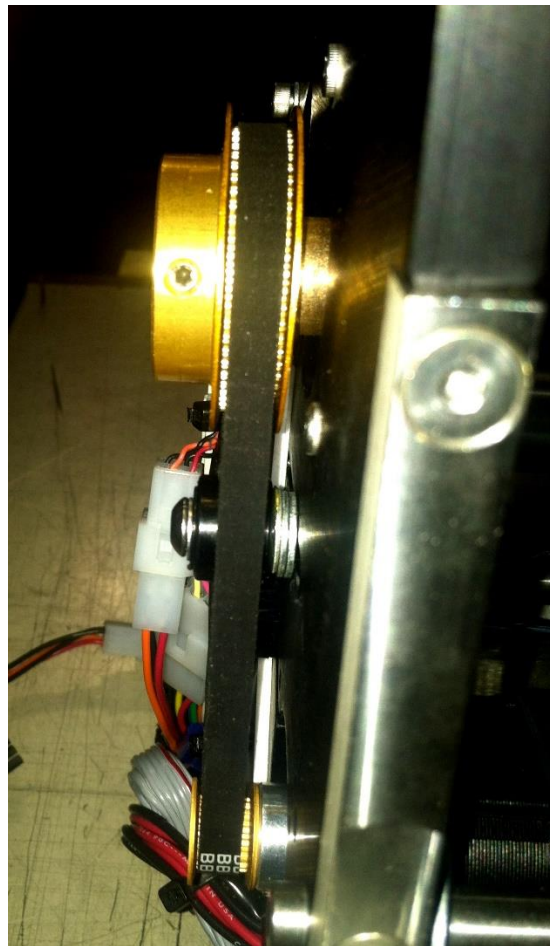


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Adjust the Belt Tension and tighten.

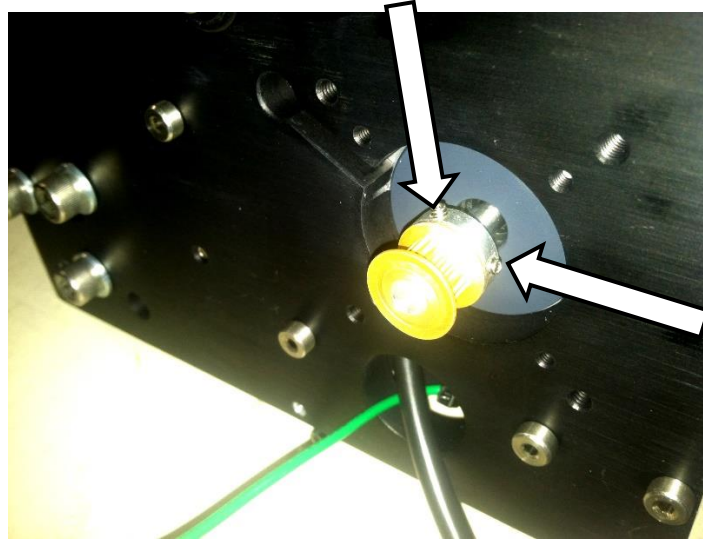


Be sure both Pulleys are in alignment.



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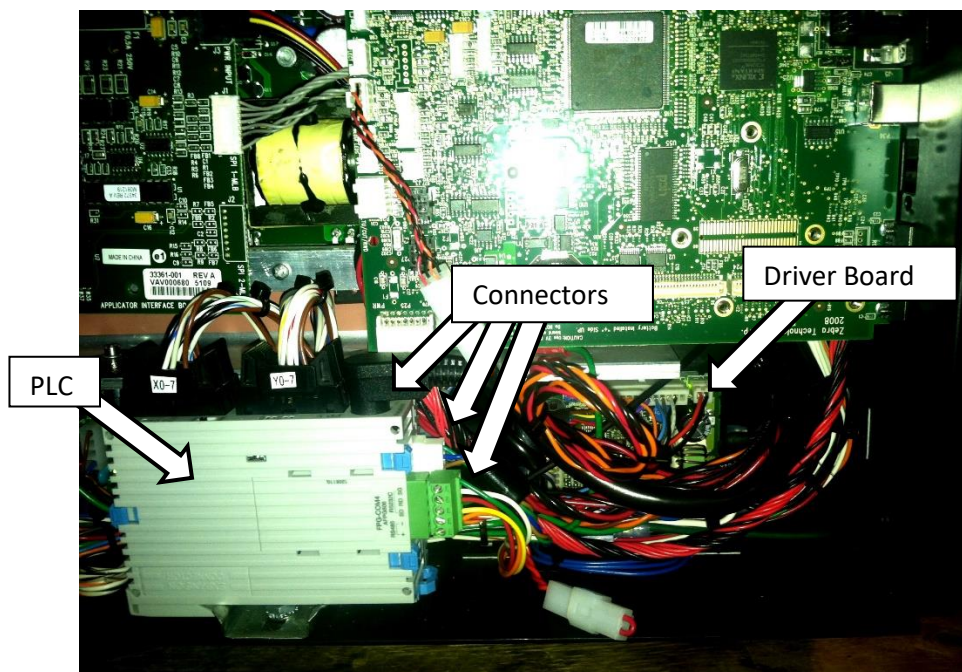
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Make sure Collar threaded holes line up with the Pulley holes then tighten the two Set Screws.

Replace Take Up Spindle Driver Board:

Turn Main Power "OFF".

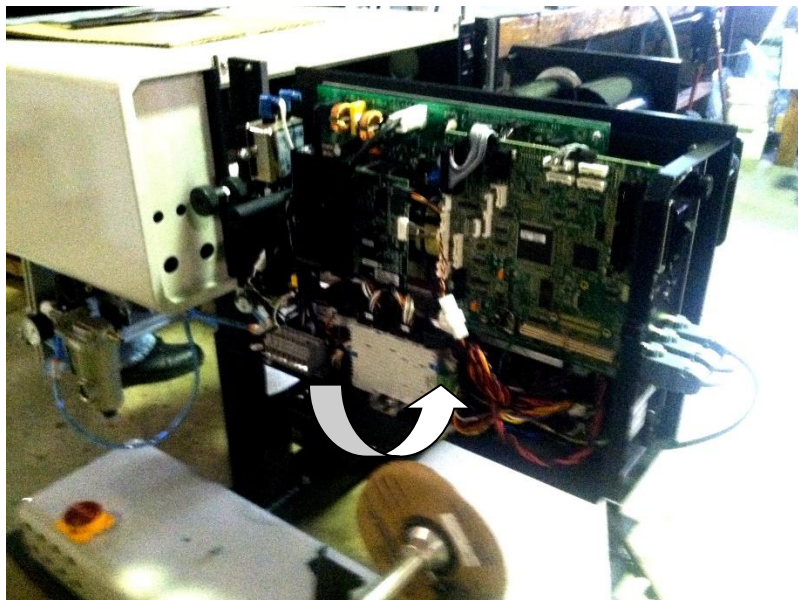


For easier access to the Driver Board, gently unplug the connectors on the PLC. Then, move cables to access Driver Board.



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Under the electrical panel there are two Button Head Screws. Remove them to release the Driver Board.



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Carefully unplug the connectors and remove Driver Board. Reconnect connectors to the new Driver Board. Put Button Head screws back in to secure Driver Board.



Plug in the connectors to the PLC.