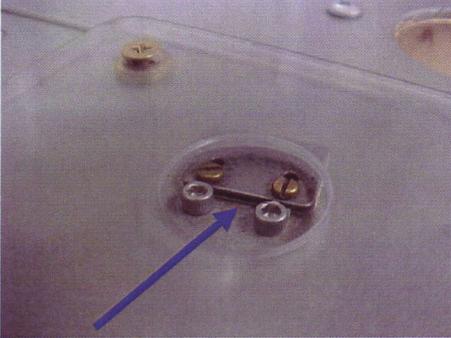


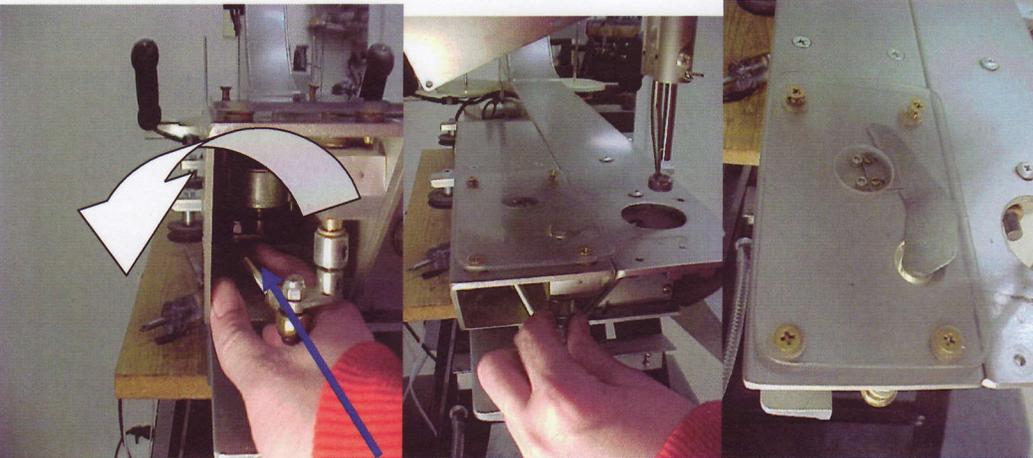
Thread Cutter Problems and Solutions...

If the thread puller arm will pull thread into cutter blades, but won't cut thread...

A. Use Compressed air to blow lint out from between the cutter blades – lint can get caught between the blades or between the wave washers and affect the cutting ability of the blades!



2. Minor adjustments to thread cutter blades can be made by tightening the two gold screws that hold the cutter blades down. **Turn main power to machine off.** Manually rotate the thread puller arm shaft so the puller arm is between the blades. This can be accomplished by pushing the end of the shaft that is attached to the motor counter-clockwise to move the blade.



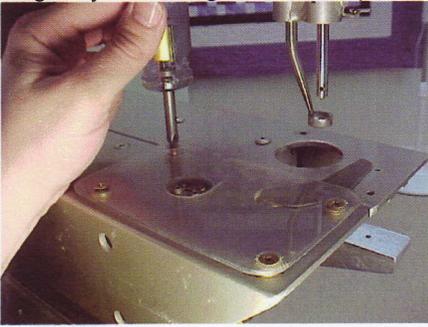
Use a small standard screwdriver to slightly tighten the two screws (tighten both the same amount). Having the puller arm between the blades can help ensure that once this adjustment has been made, the puller arm won't come across on top of the cutter blades. Once the adjustment has been made, turn the main power back on. This will move the thread puller arm back into its normal resting position.



If neither of these adjustments help, you may need to replace your wave washers. These can be ordered from the factory. We recommend that you install 4 washers at each screw location (8 washers needed total).



Begin by removing the needle plate and the lexan cover on the thread cutter.



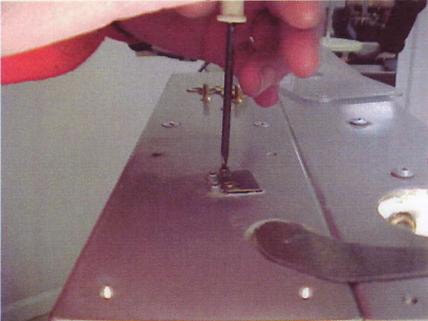
Note: there are 2 washers at each screw location – one thick and one thin. These will need to be replaced in the same fashion.



We have found the easiest way to replace the cutter blades is to follow the steps below:

Turn main power off!!

1. Remove both gold screws from the cutter blades.



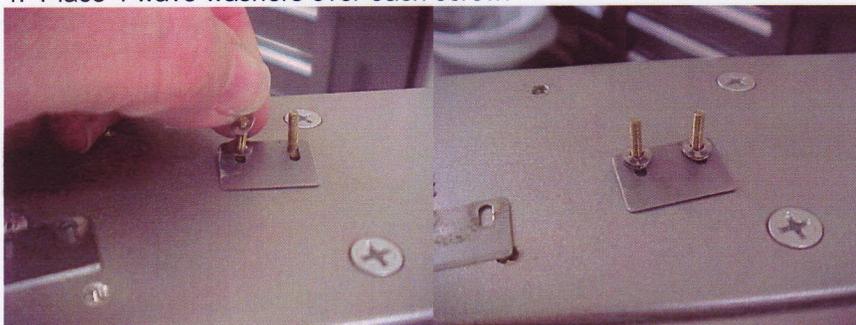
2. Turn the gold screws over and rest them on their heads (about as far apart as they are on the machine).



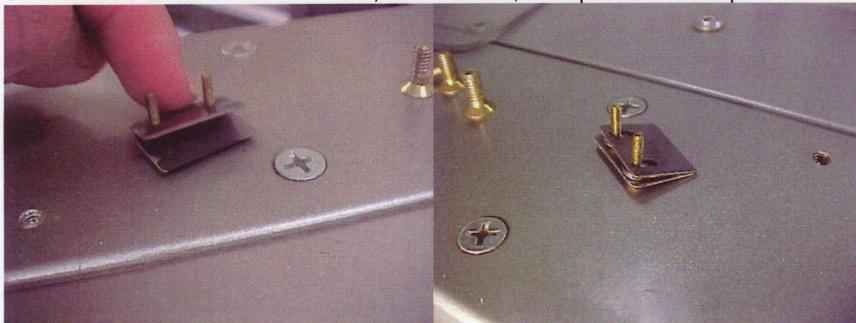
3. Remove top cutter blade, turn it over, and place it over the two gold screws.



4. Place 4 wave washers over each screw.



5. Remove bottom cutter blade, turn it over, and place it on top of the wave washers.



6. Carefully pick up the "sandwich" and turn it over. Start the gold screws by hand.



7. Manually rotate the thread puller arm so it rests between the cutter blades. Snug the gold screws holding the cutter blades, making sure they are not on top of the two silver screws that act as the "back stop" for the cutter blades.

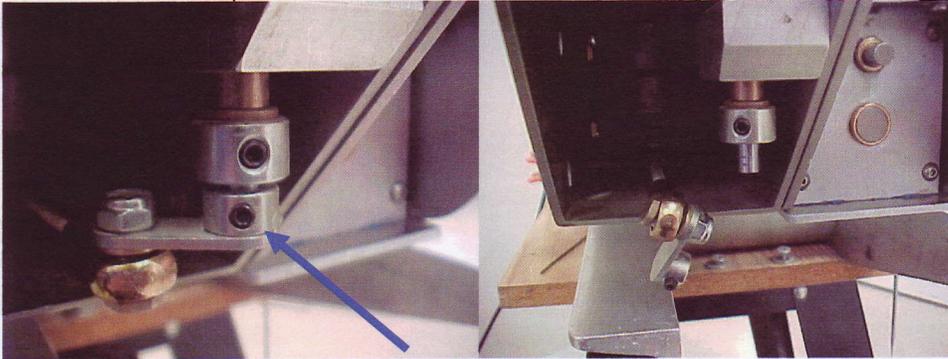


8. Turn the main power back on. This will cause the cutter blade to return to its normal resting position. Cycle the thread cutter a few times to test the blade adjustment. Make any adjustments as shown previously to the gold screws. **BE SURE TO NOT TIGHTEN THESE SCREWS TOO MUCH!!**

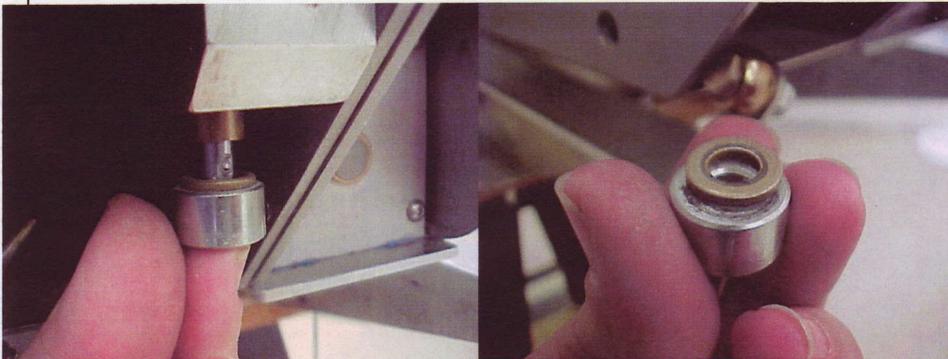
One other problem that may occur is when the set screw holding the puller arm on the shaft may have come loose. You will notice that the puller arm will move across to the cutter blades, but not engage them completely. The puller arm shaft may still rotate, but once the puller arm meets the blades, the resistance will cause the puller arm to stop. This can be solved by following the steps below:

TURN MAIN POWER OFF!!

1. Using a 5/64 allen wrench, loosen the set screw on the connector between the bottom of the puller arm shaft, and the shaft leading to the thread cutter motor. You may need to use a screwdriver to pry this connector off the end of the puller arm shaft. Be careful to not rotate this connector, as it is attached to a threaded rod that is pre-set at the factory. This can cause the puller arm to not move far enough to engage the cutter blades.



2. Use a 3/32 allen wrench to loosen the set screw on the locking collar just below the brass bushing. This can be either removed completely or just lowered to the end of the shaft and the set screw can be re-tightened. If it is removed, note that there is also a gold washer between the locking collar and the brass bushing. This will need to be replaced in the same order.



3. Push the thread puller arm up in the bushing so you can access the set screw holding it onto the shaft. Tighten this set screw using a 5/64 allen wrench.



4. Move the puller arm to its normal resting position, just in front of the hole, and re-assemble the puller arm mechanism.

