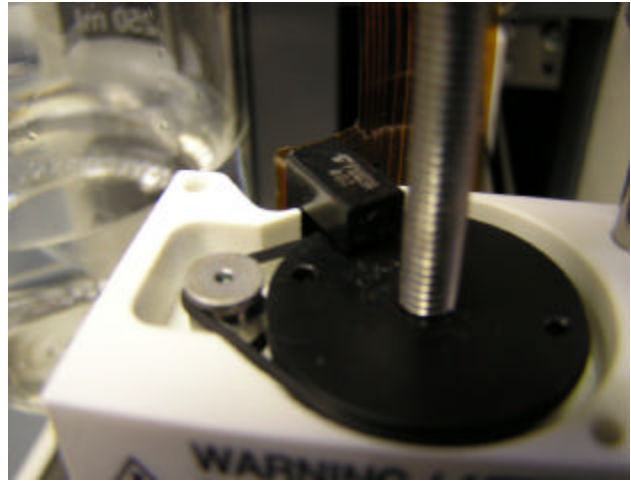
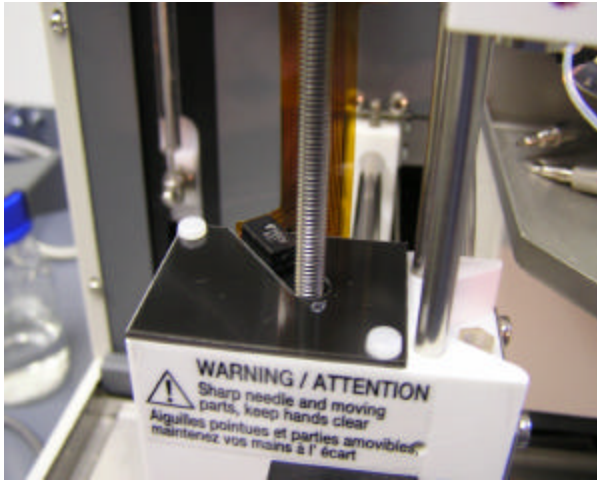
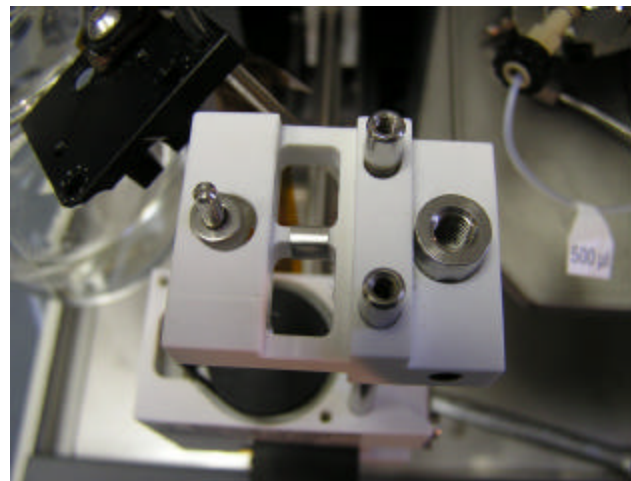
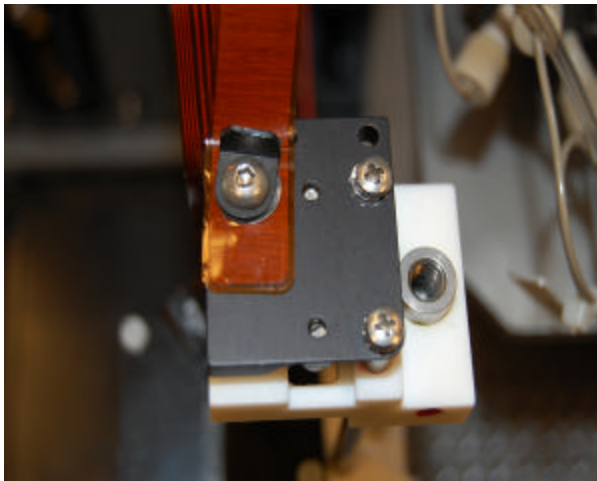


Sample Needle Belt Replacement

1. Turn power to the unit off and pull the white needle drive unit fully forward for better access.
2. Remove the sample tray holder and cover the bottom area with a paper towel to catch any parts that may fall.
3. Remove the 2 white plastic screws from the black belt cover to gain access to the belt and place the screws in the tray area under the 6 port valve for safe keeping. Slide the cover off the unit.

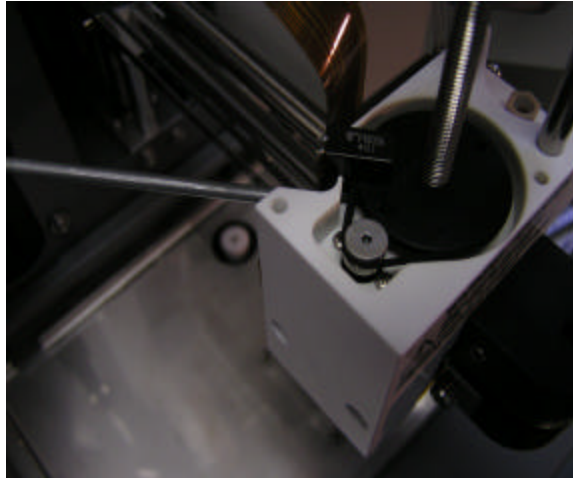


4. Remove the sample needle. Remove the 2 screws and lock washers from the black top plate. Remove the top plate (NOTE: Be careful not to lose the small washer at the top of the needle drive spindle, remove washer and set in tray)

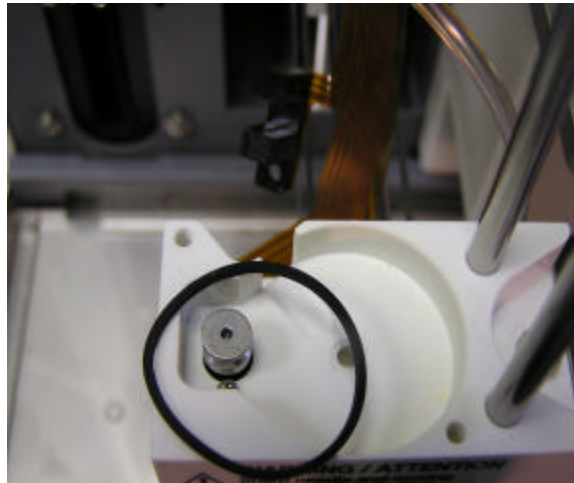


5. Remove the white needle transport block by turning the spindle to unscrew the spindle nut. (NOTE: Be careful not to lose the spindle nut)

6. From the rear of the drive unit remove the screw securing the spindle movement sensor. CAREFULLY pull the sensor out and away from the block. This sensor is connected to a flex circuit, EXTREME care must be exercised when working with this circuit. A tear in the circuit will require replacement of the entire flex circuit assembly.



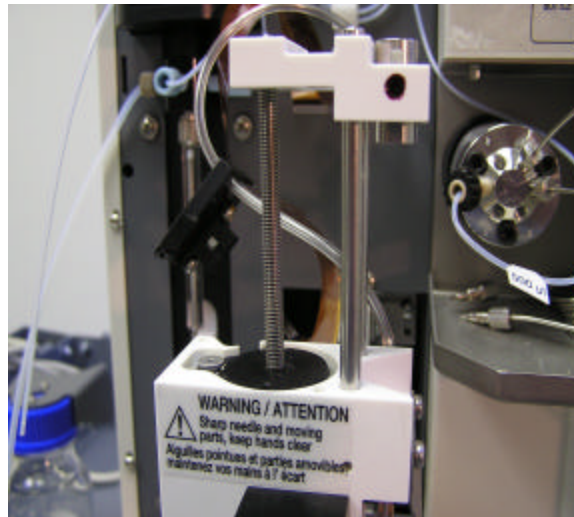
7. Lift the spindle out of the block.



8. Place the new belt around the spindle wheel. With the spindle wheel close to the motor pulley (small metal pulley to the left side of the block) pass the belt around the motor pulley and set the spindle wheel into position.

9. Set the white needle transport block over the guide rods and screw the spindle onto the nut.

10. Re-install the washer on the top of the spindle.



11. Install the top plate over the end of the spindle and re-install the 2 screws and lock washers which secure the top plate to the guide rails.
12. Install the spindle movement sensor into the drive block. The sensor should go around the spindle pulley with half above and half below the pulley.
13. Re-install the pulley cover and the 2 plastic screws.
14. Re-install the sample needle.