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**Guide to Changing the Rinse  
Pump Speed on the ASX-520 and  
ASX-520HS Autosamplers**

This guide describes the necessary steps to increase or decrease the pump speed on the ASX-520 and the ASX-520HS autosamplers.

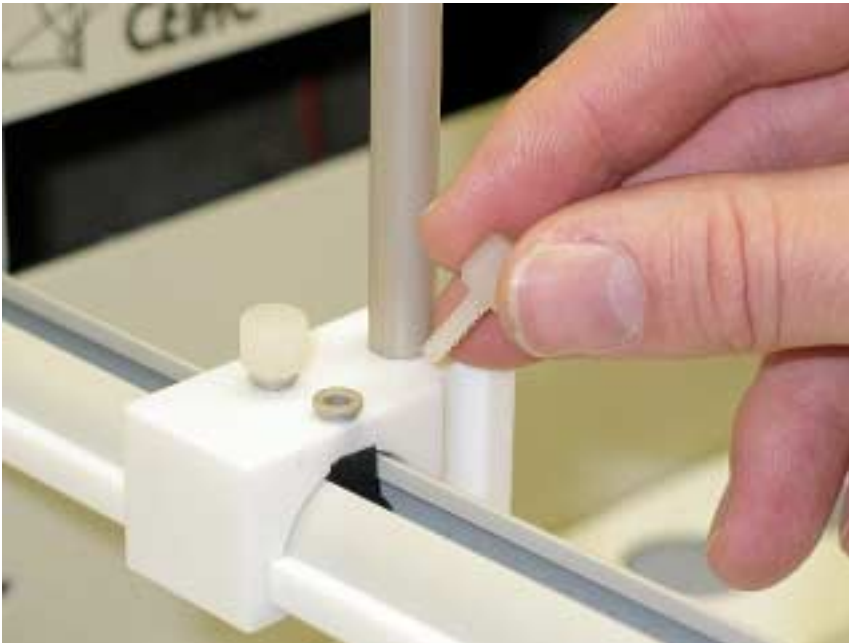
### Accessing the Board inside the Autosampler

1. Place the autosampler on a flat surface (Figure 1-1) and turn the unit off.



**Figure 1-1.** Front view of ASX-520 Autosampler.

2. Remove the two Kynar thumbscrews from the Y-axis home block (Figure 1-2).



**Figure 1-2.** View of Y-axis home block with Kynar thumbscrews.



**Figure 1-3.** Z-drive removed from arm assembly.

3. Remove the whole Z-drive assembly from the arm by pulling the whole Z-drive assembly forward and off the autosampler arm (Figure 1-3).



**Figure 1-4.** View of rinse station.

4. Once the Z-drive assembly is removed, remove the rinse station (Figure 1-4). Turn the rinse station  $\frac{1}{4}$  turn counter-clockwise while pulling up. Also, the tubing located at the bottom of rinse station will have to be removed or moved aside (Figure 1-5).



**Figure 1-5.** View of rinse station removed from the front cover.

5. The autosampler tray should then be removed. Lift up the tray and pull out (Figure 1-6).



**Figure 1-6.** Removing the tray.

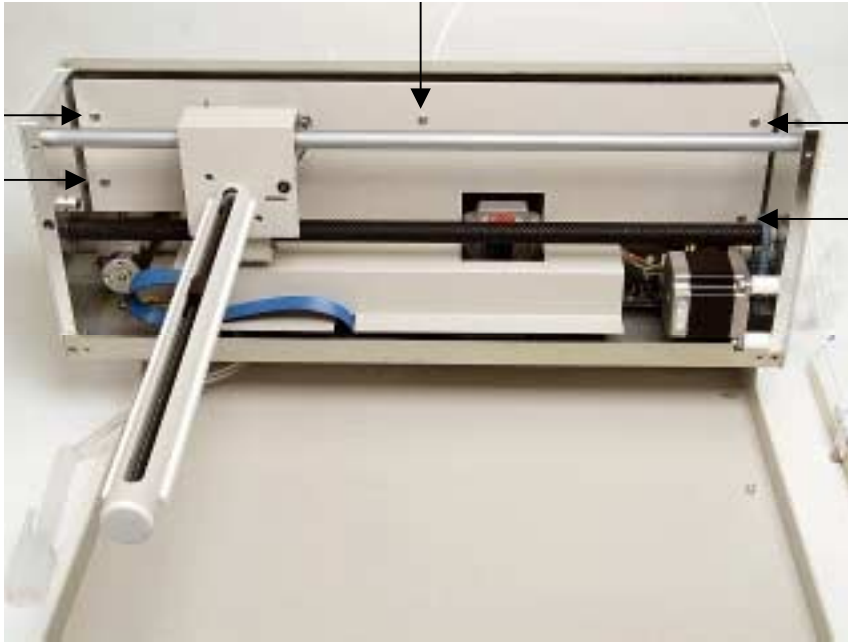


**Figure 1-7.** Front view of ASX-520 Autosampler showing front cover screws.

6. Next, the front cover needs to be removed. Remove the four corner screws (Figure 1-7).
7. The front cover can be removed by lifting it slightly and pulling forward (Figure 1-8).



**Figure 1-8.** View of ASX-520 Autosampler with the front cover being removed.

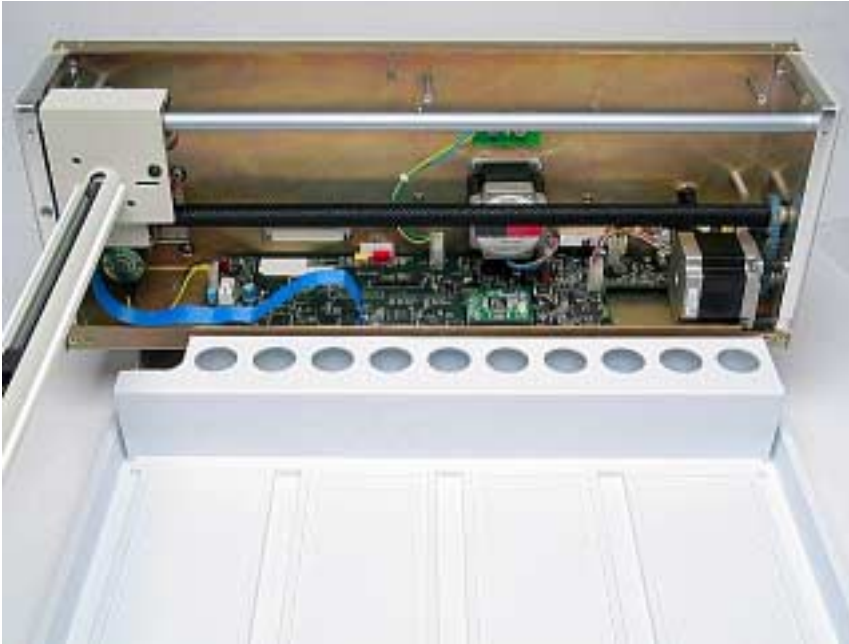


**Figure 1-9.** View of inner shield inside the ASX-520 Autosampler.

8. The five screws that hold the inner shield will have to be removed. Move the Y-axis assembly all the way to the left (Figure 1-9).
9. The inner shield can be removed by lifting it up while pulling forward (Figure 1-10).



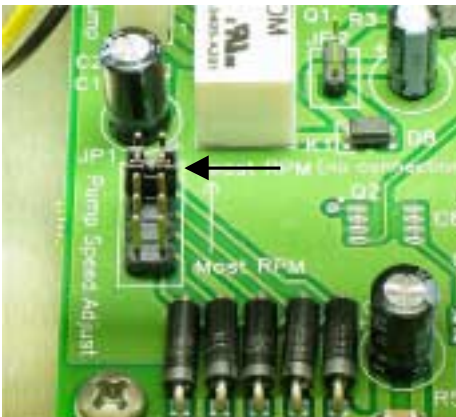
**Figure 1-10.** Removal of inner shield.



**Figure 1-11.** View of ASX-520 with inner shield removed.

**Changing the rinse pump speed.**

1. The autosampler (Figure 1-11) is now ready for the pump speed to be changed.
2. Locate the pump speed adjustment jumpers. (Left hand side on main board) (Figure 1-12).
3. By moving the jumper in the direction specified on the board will either increase or decrease the pump speed.



**Figure 1-12.** View of main board left hand corner.