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M081.1

BevMax 2 XY to Tray Assembly Adjustment Instructions Field Upgrade

Revised 1/8/07

Models Affected: All BevMax 2 Venders prior to 8541-0001AF. Also, all venders shipped after 12/6/06 will have the upgrades completed at the factory.

Reason: To allow the user to measure the vender and set the XY to the correct position in relationship to the tray assemblies to enhance vending.

Order: 1 – 647,010,70x.x3 Kit, XY Gauge, Fixture, & Upgrade Instructions M078.x, M079.x, M080.x, M081.x, M082.x.
1 – 805,703,79x.x1 Go/No Go Gauge XY to Tray Location
1 – 647,010,40x.x3 XY to Tray Drill Fixture Assembly

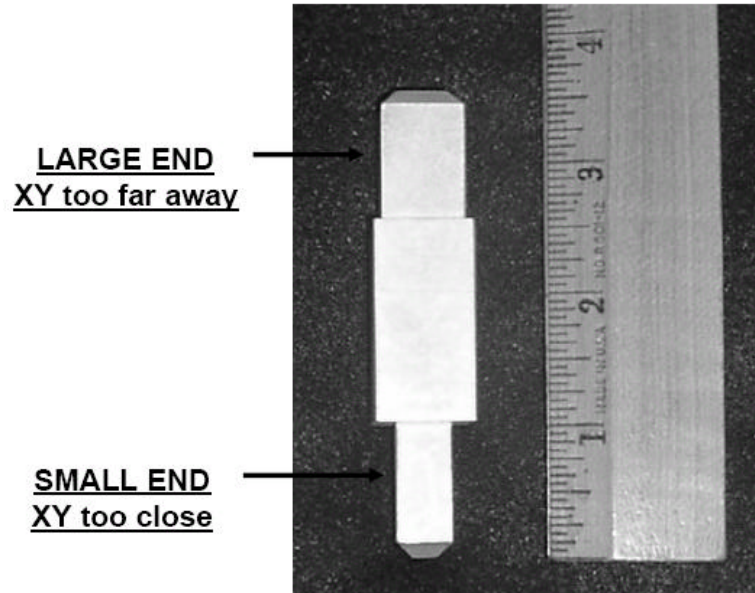
Tools required for conversion: BevMax 2 XY Gauge, Cordless Drill, 6" long nib holder extension.

Installation instructions:

1. Remove power to the vender.
2. You will need to check the distance between the top inside edge of the Delivery Cup Assembly and the front edge of the Gate Assembly at 4 different locations – A1, A8, E1, and E8.



3. Below is a picture of the BevMax 2 XY Gauge used to check the distance between the top inside edge of the Delivery Cup Assembly and the front edge of the Gate Assembly.



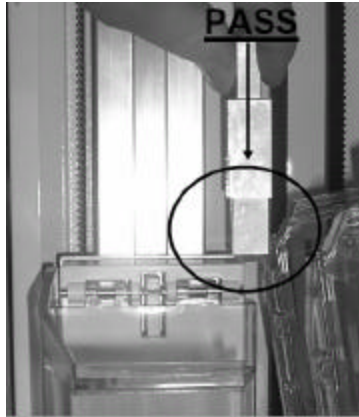
4. Place the gauge in position with the small end between the top inside edge of the Delivery Cup Assembly and the front edge of the Gate Assembly.
- a. If the small end DOES fit the XY is not to close. Go to step #5.



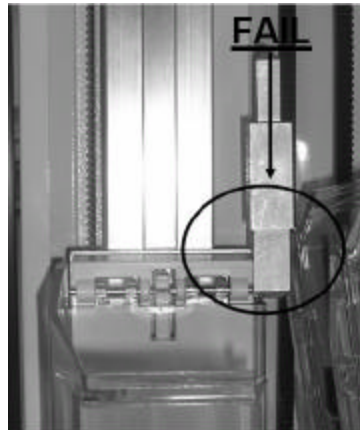
- b. If the small end DOES NOT fit the XY is to close to the trays and vending issues may occur. Follow steps #6 to 33 to adjust.



5. Place the gauge in position with the large end between the top inside edge of the Delivery Cup Assembly and the front edge of the Gate Assembly.
 - a. If the large end DOES NOT fit the XY is not to close.



- b. If the large end DOES fit the XY is too far away from the trays and vending issues may occur. Follow steps #6 to 33 to adjust.



6. When adjusting the XY there may be up to 4 locations that may need to be adjusted. The following pages show the current mounting of the XY Assembly and how to adjust it.

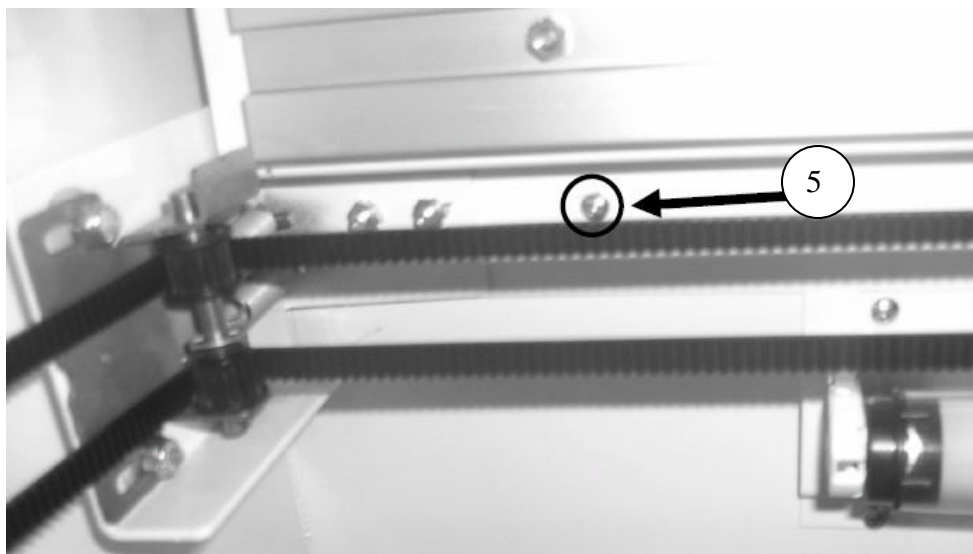
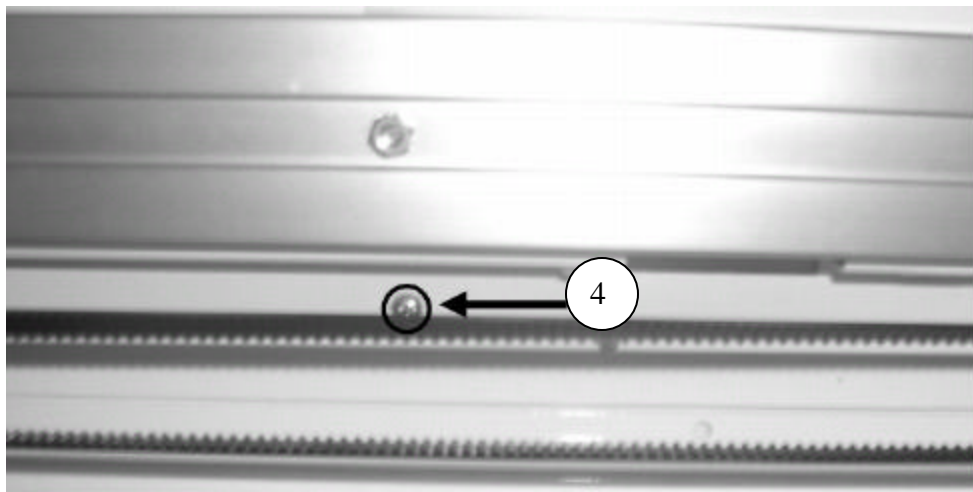
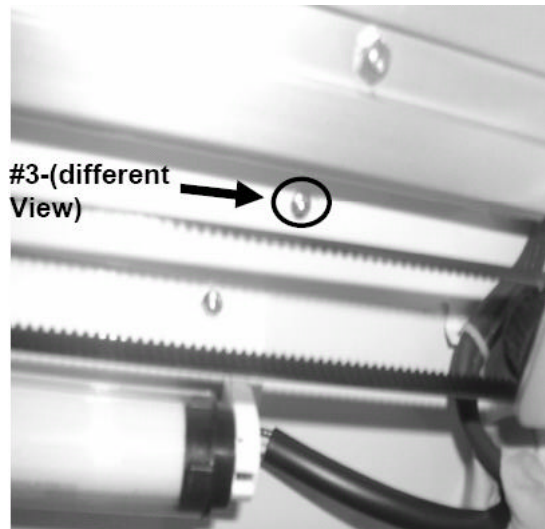
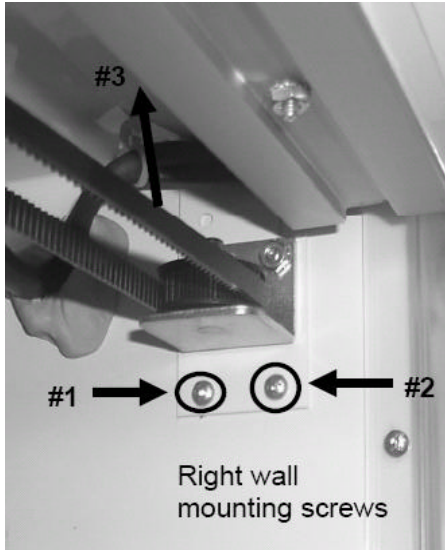
XY Top held in position by 5 screws

Based on gauge findings choose the side that needs adjustment (top, bottom, left, or right). Note that only one side may need adjustment. It is recommended leaving 1 screw in one end of plates while adjusting the opposite end.

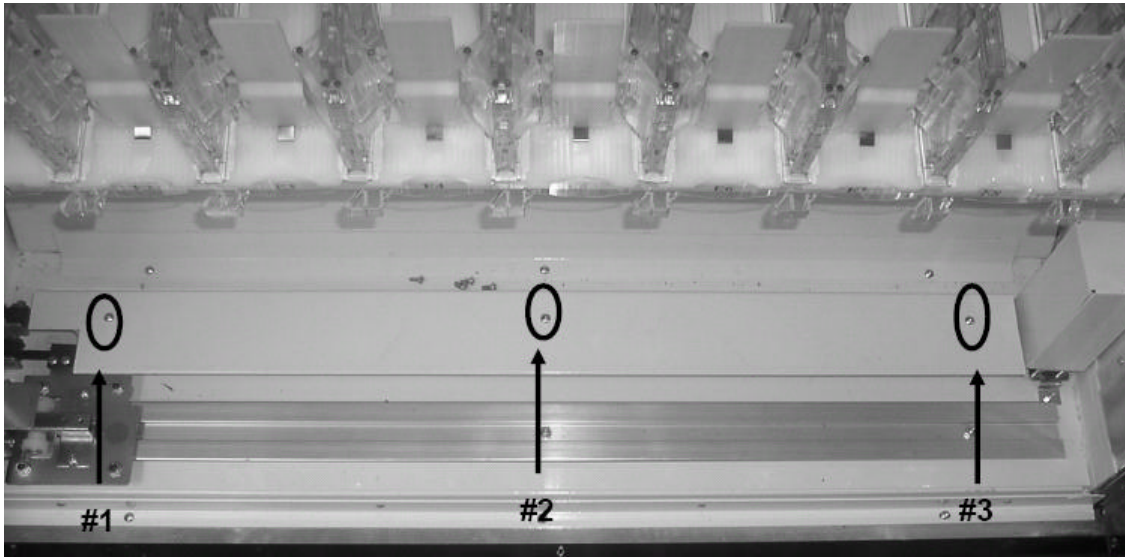
XY Bottom held in position by 3 screws. Note there are 5 screws in the cover plates.



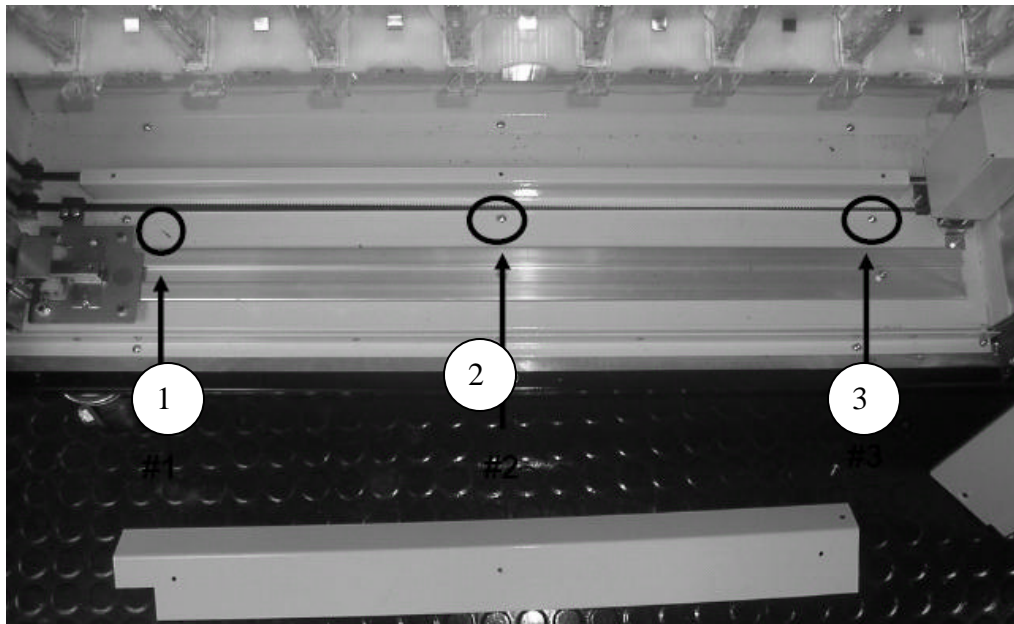
7. Below are pictures of the screw locations that secure the XY Assembly at the Top.



8. Below are pictures of the 3 screw locations that secure the XY Assembly Bottom Belt Cover.

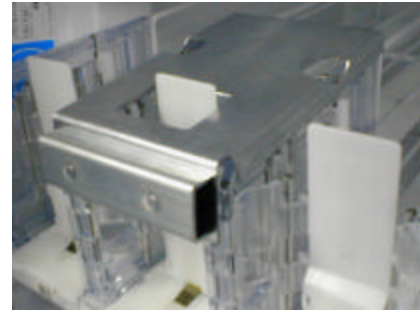
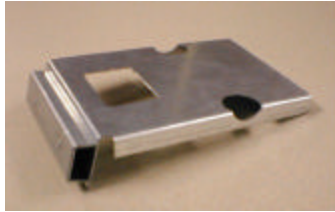


9. Below are pictures of the 3 screw locations that secure the XY Assembly Bottom after the Belt Cover is removed. Once these 3 screws are removed the XY Assembly Bottom will slide.



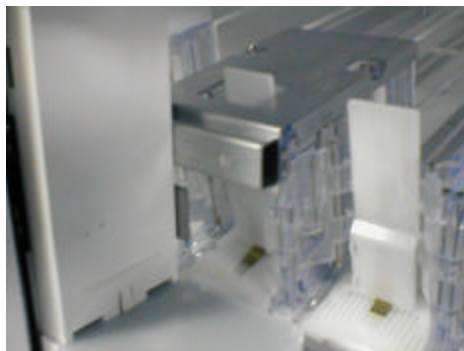
10. If the A1 location needs to be adjusted.
- Move the Vertical XY Bar to the right so you can access the top left screw.
 - Remove the far left top screw shown as #5 in step 7.
 - Remove the center top screw shown as #4 in step 7.
 - Loosen the far right top screw shown as #3 and the top right side screws shown as #2 and #1 in step 7.

11. Place the BevMax 2 XY Locator Guide in column A2 or A3 as shown.



12. Move the Vertical XY Bar so it is in front of the BevMax 2 XY Locator Guide.

13. Lift the Delivery Cup Assembly so it touches the BevMax 2 XY Locator Guide.



14. While holding the Delivery Cup Assembly Tight against the BevMax 2 XY Locator Guide,

- a. Install a new self drilling screw in the far left top location. **IMPORTANT:** If the new cabinet hole will overlap the old hole, make a new hole in the mounting plate and cabinet.
- b. Next install a new self drilling screw in the center top position.
- c. Next tighten the far right top and top right side screws.
- d. Remove the BevMax 2 XY Locator Guide.

15. Once all adjustments have been made repeat steps 4 and 5 to confirm XY Assembly distance between the top inside edge of the Delivery Cup Assembly and the front edge of the Gate Assembly are correct.

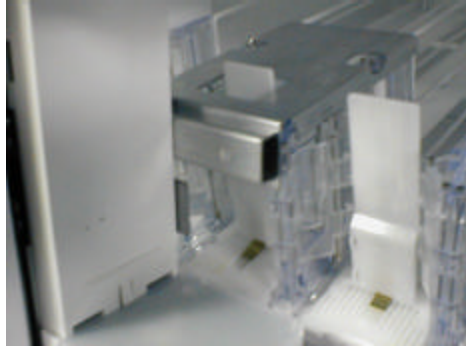
16. If the A8 location needs to be adjusted.

- a. Remove the far right side screws shown as #2 and #1 in step 7.
- b. Remove the far right top screw shown as #3 in step 7.
- c. Remove the center top screw shown as #4 in step 7.
- d. Loosen the far left top screw shown as #5 in step 7.

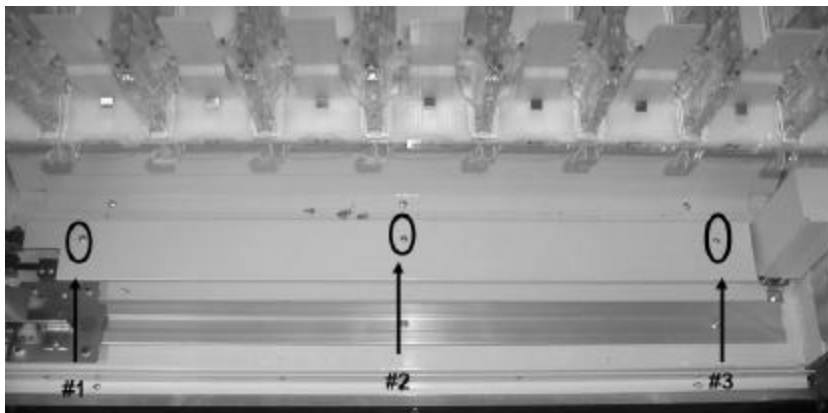
17. Place the BevMax 2 XY Locator Guide in column A7 or A9 as shown.



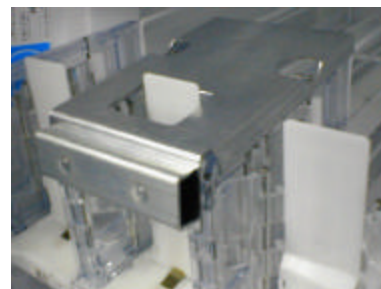
18. Move the Vertical XY Bar so it is in front of the BevMax 2 XY Locator Guide.
19. Lift the Delivery Cup Assembly so it touches the BevMax 2 XY Locator Guide.



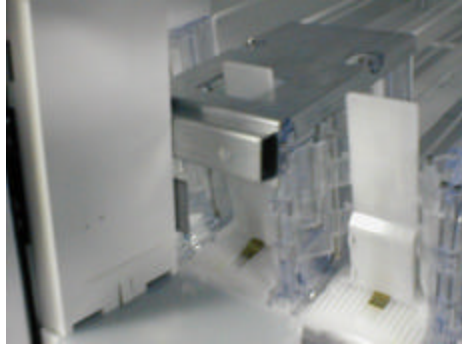
20. While holding the Delivery Cup Assembly Tight against the BevMax 2 XY Locator Guide,
 - a. Install a new self drilling screw in the far right top location. **IMPORTANT:** If the new cabinet hole will overlap the old hole, make a new hole in the mounting plate and cabinet.
 - b. Install a new self drilling screw in the far right side screws location. **IMPORTANT:** If the new cabinet holes will overlap the old holes, make a new hole in the mounting plate and cabinet.
 - c. Next install a new self drilling screw in the center top position.
 - d. Next tighten the far left top screw.
 - e. Remove the BevMax 2 XY Locator Guide.
21. Once all adjustments have been made repeat steps 4 and 5 to confirm XY Assembly distance between the top inside edge of the Delivery Cup Assembly and the front edge of the Gate Assembly are correct.
22. If the E1 location needs to be adjusted.
 - a. Remove the XY Bottom Belt Cover.
 - i. Below are pictures of the 3 screw locations that secure the XY Bottom Belt Cover.



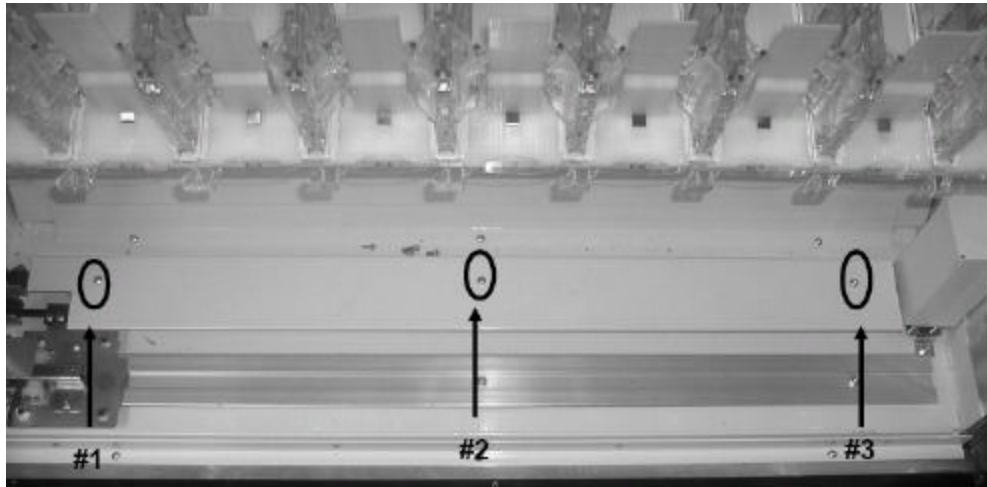
- b. Move the Vertical XY Bar to the right so you can access the bottom left screw.
 - c. Remove the far left bottom screw shown as #1 in step 9.
 - d. Remove the center bottom screw shown as #2 in step 9.
 - e. Loosen the far right bottom screw shown as #3 in step 9.
23. Place the BevMax 2 XY Locator Guide in column E2 or E3 as shown.



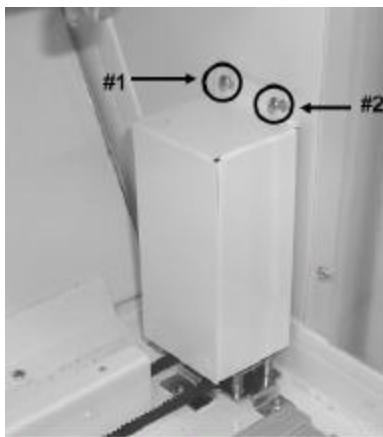
24. Move the Vertical XY Bar so it is in front of the BevMax 2 XY Locator Guide.
25. Move the Delivery Cup Assembly so it touches the BevMax 2 XY Locator Guide.



26. Once all adjustments have been made repeat steps 4 and 5 to confirm XY Assembly distance between the top inside edge of the Delivery Cup Assembly and the front edge of the Gate Assembly are correct.
27. If the E8 location needs to be adjusted.
 - a. Remove the XY Bottom Belt Cover.
 - i. Below are pictures of the 3 screw locations that secure the XY Bottom Belt Cover.

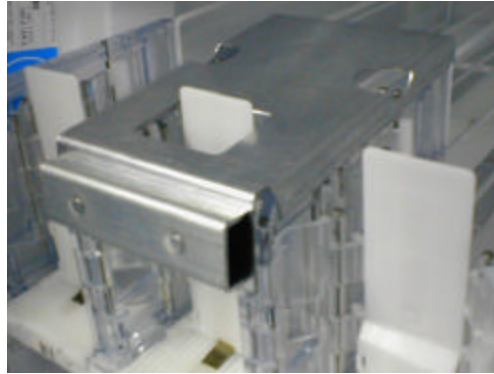


- b. Move the Vertical XY Bar to the right so you can access the bottom left screw.
- c. Remove the X Motor Cover, because the X Motor will slide with the XY Bottom.



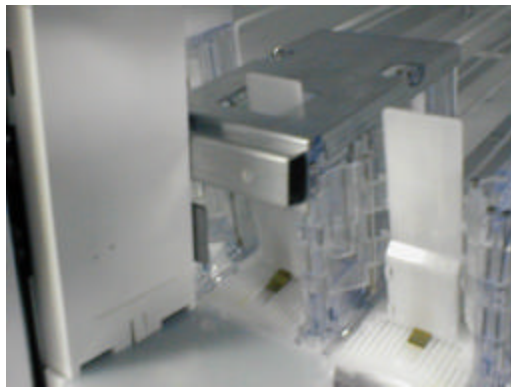
- d. Remove the far right bottom screw shown as #3 in step 9.
- e. Remove the center bottom screw shown as #2 in step 9.
- f. Loosen the far left bottom screw shown as #1 in step 9.

28. Place the BevMax 2 XY Locator Guide in column E7 or E9 as shown.



29. Move the Vertical XY Bar so it is in front of the BevMax 2 XY Locator Guide.

30. Move the Delivery Cup Assembly so it touches the BevMax 2 XY Locator Guide.



31. While holding the Delivery Cup Assembly Tight against the BevMax 2 XY Locator Guide,
 - a. Install a new self drilling screw in the far right bottom location. **IMPORTANT:** If the new cabinet hole will overlap the old hole, make a new hole in the mounting plate and cabinet.
 - b. Next install a new self drilling screw in the center bottom position.
 - c. Next tighten the far right bottom screw.
 - d. Next install the X Motor Cover and secure with a new self drilling screw. **IMPORTANT:** If the new cabinet holes will overlap the old holes, make a new hole in the cover plate and cabinet.
 - e. Remove the BevMax 2 XY Locator Guide.
32. Once all adjustments have been made repeat steps 4 and 5 to confirm XY Assembly distance between the top inside edge of the Delivery Cup Assembly and the front edge of the Gate Assembly are correct.
33. Move the Delivery Cup Assembly to the “Home Position” either manually or in programming and Test Vend for proper operation. To move in programming, press the service mode button on control board twice and display will show “TEST MODE”. Press the “F” Key and display will show Factory Diagnostics. Press the “*” Key once and then press the number “1” Key to enter Position Test. Pull the top left (white) door switch in the out position. Press the “F” Key to send the XY Assembly to the “Home Position”. Once in the “Home Position” look on the Control Board and the 3 LED’s (RED/YELLOW/GREEN) should be illuminated or “on”.