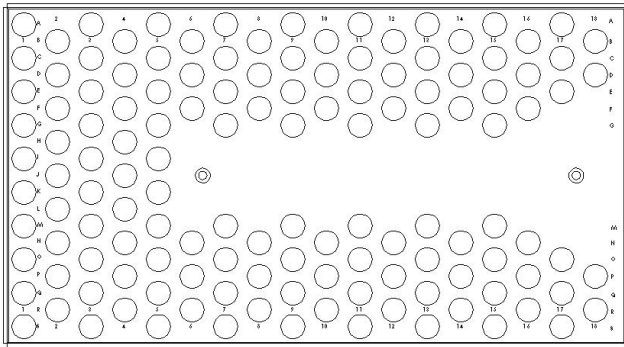


AUTOCRIB, Inc.

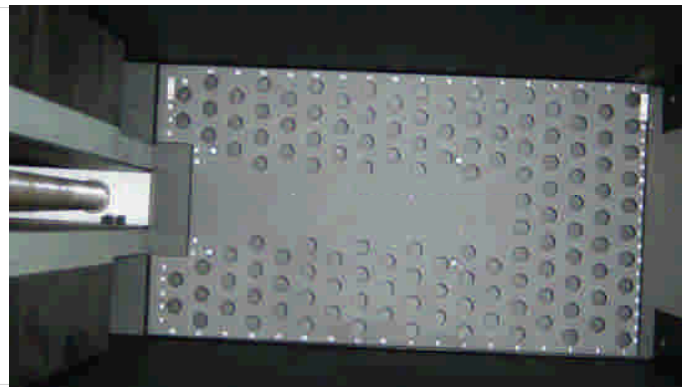
3011 S. Croddy Way, Santa Ana, CA 92704
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ELEVEND PRODUCT SUPPORT SYSTEM CONFIGURATION AND INSTALLATION

Each EleVend bin includes a Stack Lifter Assembly that elevates the stacked products up to the laser sensing beams during the Issue sequence. Each lifter features a Product Tray that is attached to the lifter arm that travels up and down the bin as the motor turns the lead screw. The tray is perforated with a grid of holes that are labeled in coordinates, rows 1 through 18 front to back and columns A through S left to right. These holes are for product support rods that can be installed as needed to prevent stacked products from tipping over and causing miscount or malfunction. Installed in the bottom of each bin is a Rod Support bracket with the same labeled pattern of holes. The combination of these holes, the control rods, rod bearings and top support brackets comprise the EleVend's Product Support System.



LIFTER TRAY



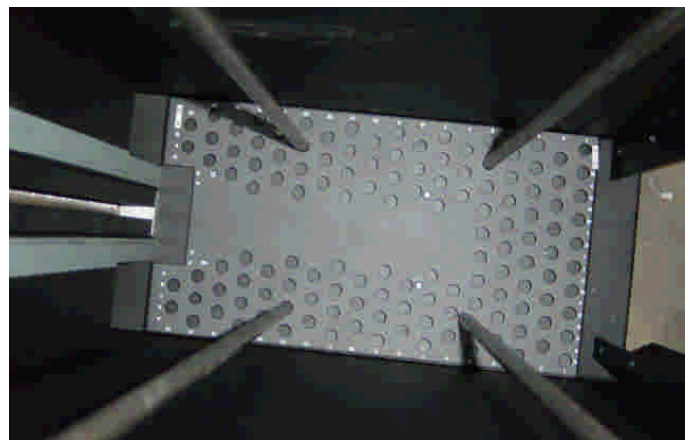
ROD SUPPORT BRACKET

To install support rods, enter a MOVE UP command for the bin you want to configure. Once the tray reaches the top and stops, open the front access door with the key, and manually open the top bin door with the release button.

Place a sample of the item you want to support in the middle of the tray, and insert rods and their plastic support bearings around the product so that the rods will support the stacked products. Match the hole locations you select in the tray to the corresponding holes in the bottom support bracket so that the rods are held in place straight up and down allowing the lifter to travel properly.



SAMPLE ITEM & RODS



RODS IN SUPPORT BRACKET

Leave the rods loose and test their position by first closing the bin door, then entering a MOVE DOWN command at the keypad. When the tray reaches the bottom and stops, use the key to unlock and open the top frame, then load a stack of products into the bin between the support rods. Use a 5/64 hex driver to press and hold the MODE button until the status LEDs flash and the SERVICE LED stays lit. This puts the bin into service mode, so that you can test the effectiveness of your support rods configuration.

Close the top frame, and then open the bin door with the release button and close it. The stack lifter should start up, and will stop when the top of the product stack breaks both laser beams. If the lifter does not move up, see the troubleshooting section for information on adjusting the lasers.

CAUTION: If both beams are not broken as the top of the stack crosses the beam level, open the bin door with the release button before the top of the stack runs into the closed bin door. Reposition the stack and rods so that both beams are broken, or, if the product stack is too small or narrow to span both beams, disable one beam by mis-aiming it, and position the stack and support rods in front of the other beam.

After the lifter stops, open the bin door with the release button, and take some product, then close the bin door. Once again, the lifter will move up until the beams are broken. If the rods are carried up with the stack as the lifter rises, just push them back down in place. Keep doing this, and observe the behavior of the stack of products and the effectiveness of the rods as the stack moves. Some trial and error in the process is normal, so you may have to reposition the rods, or add or subtract rods, to get satisfactory results. Most products can be supported with no more than 4 rods.

Once you are satisfied with the location of the rods, remove the product from the bin and close the bin door so that the lifter moves up. Watch the lifter and open the bin door as soon as the lifter reaches the top limit and before it starts down. (You can do the same thing by taking the lifter out of SERVICE mode and entering a MOVE UP command at the keypad.) Once the lifter is at the top, use the drill template to locate and mark the position of the holes for the top support brackets. You want to mark the row that the rods are in, so select the proper alignment hole in the template to position it – the two alignment holes are offset to match the offset of the holes in alternating ODD and EVEN rows – see illustration. Mark the spot and drill a #20 hole, and deburr both sides.



MARK HOLES WITH TEMPLATE

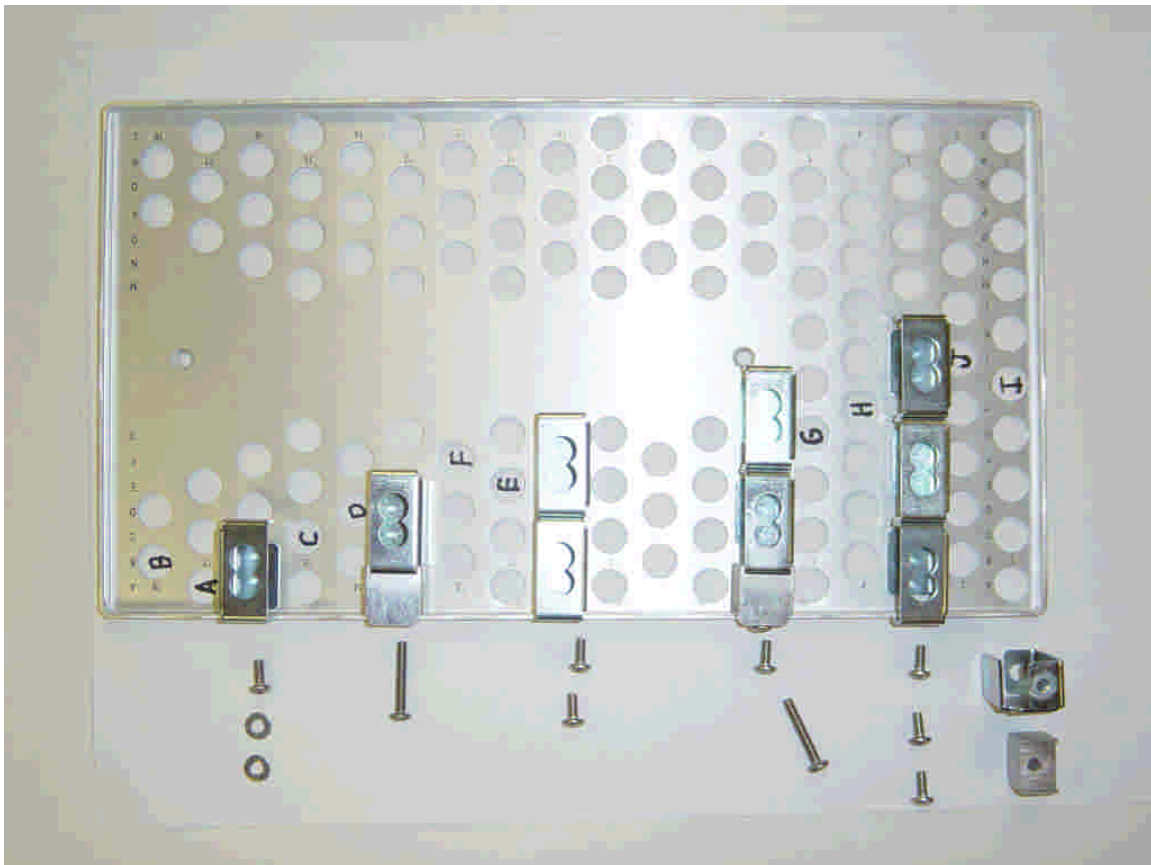


DRILL HOLES & DEBURR

Note: If the adjacent bin in the same cabinet already has a bracket installed in the same row position, reposition either of the control rods by one or two rows so that they are not in the same row.

Assemble the proper Top Bracket, Spacer and Screw combination required to reach the column you want to support – see chart and illustration. The brackets gang together with 3/8” screws. Be sure that the hole in the spacer is offset toward the top of the bracket to match the location of the captured nut in the end of the bracket.

Column	Brackets	Spacers	3/8” Screw	1” Screw
A, B, R, S	1	0	1	0
C, D, P, Q	1	1	0	1
E, F, M, N	2	0	2	0
G, H, K, L	2	1	1	1
I, J	3	0	3	0

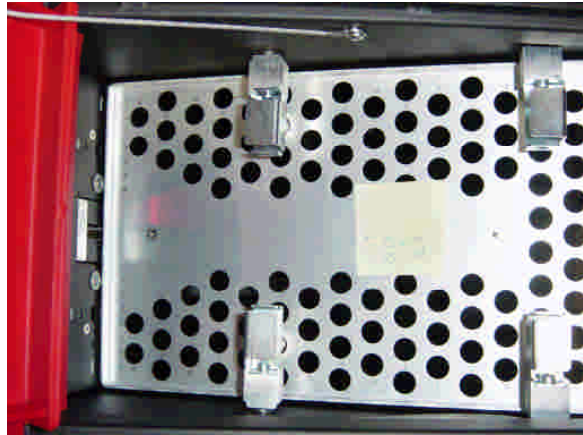


- #315-604 – PRODUCT SUPPORT ROD
- #901-255 – PLASTIC SLEEVE BEARING
- #315-609 – ROD SUPPORT BRACKET
- #315-610 – ROD SUPPORT EXTENSION
- #908-308 – MACHINE SCREW, 3/8” PHILLIPS PAN HEAD
- #908-100 – MACHINE SCREW, 1” PHILLIPS PAN HEAD
- #908-901 – FLAT WASHER #8 SCREW
- #615-200 – PRODUCT SUPPORT KIT – SET OF 4 RODS, BRACKETS, SPACERS & SCREWS

Attach the Top Bracket assembly to the wall with the proper 8-32 screw - 3/8" long for brackets only, 1" long for bracket & spacer. Align the corresponding hole in the end bracket to the rod position hole, and tighten the screw to keep the bracket in position. The bracket will keep the rod from wandering away from the stack when the lifter is down, and will keep the rod from pulling out of the bottom support bracket as the stack rises.

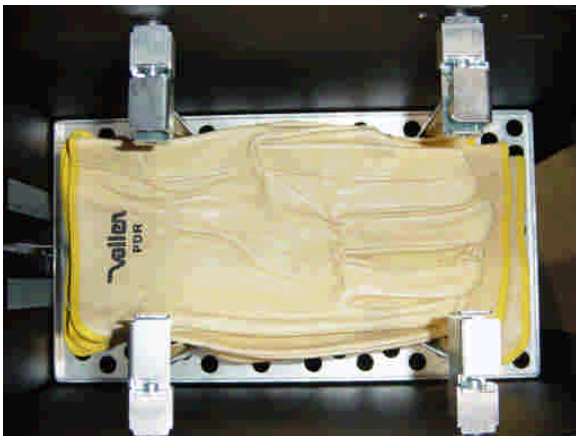


WASHERS, SPACER, BRACKET. ROD



POSITIONS C-13, O-13, C-5, O-5

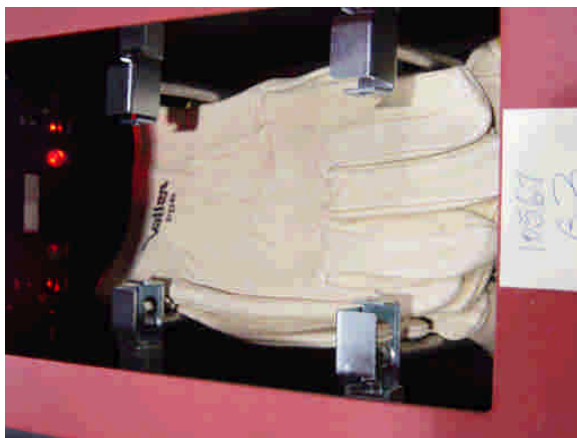
The bracket positions illustrated are C-13, O-13, C-5 and O-5, each requiring a bracket, a spacer and a 1" screw. You may also find that 2 or 3 flat washers will be needed to better align the brackets from the outside cabinet walls due to variations in the cabinet, as illustrated.



COMPLETED SUPPORT SYSTEM



PRODUCTS LOADED BETWEEN RODS



PRODUCTS LIFTED TO BREAK BEAMS



ISSUE SUCCESSFUL