



# Helpful Hints

clear & easy

# 048

Page: 1 of 4

Date: 21 Jun 11

Revision: 01

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**SUBJECT:** Recommendations to Enhance Package Vending Reliability

Number of  
People  
Required



**MODELS:** 804, 660, 550

**TOOLS REQUIRED:** N/A

**ESTIMATED TIME:** N/A



The following areas of this vender contain voltage which can cause serious injury or even death: the main power cord, supplying 115-230 VAC to the evaporator, EMI filter, and refrigeration system; the power line from the EMI filter to the ballast and transformer; and the ballast, which can produce upwards of 600 volts. Remove all power from the vender before working in any of these areas.

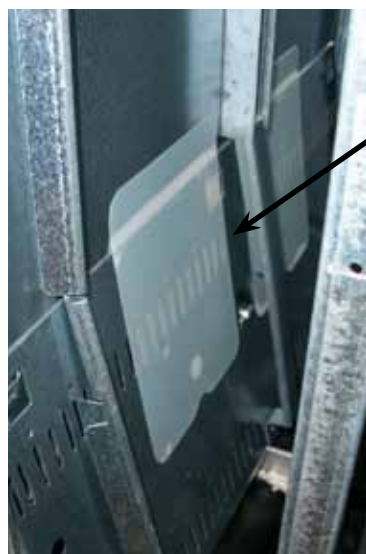
## BACKGROUND INFORMATION:

Bottle bridging can have various causes. This Helpful Hint bulletin describes how to enhance vending reliability in a GIII-style machine.

## CHECK LIST:

1. Anti-friction sheets (*part number 915197*) help to insure that bottles transition down the column in a smooth, efficient manner. The anti-friction sheets should be clean and free of debris. They should not be peeling away from the column wall. If the sheet is damaged, it should be removed and replaced. A thin coating of silicone should be applied to the anti-friction sheets to enhance sheet life. (*Refers to Figure 1 and 2 for instructions on sheet installation and silicone application.*) **Note: Only use the Royal Vendors-supplied silicone for this application (part number 827004)!**
2. Front product retainers and rear column spacers should always be set to the proper position for the particular type of package being vended from the columns. (*Refer to Figures 3 and 4.*) Any associated kits that are required for a particular package should be installed according to the appropriate PVS (Package Vending Specification). **Note: All Royal Vendors Package Vending Specifications can be found in the Service & Support section at [www.royalvendors.com](http://www.royalvendors.com).**
3. The column walls should be clean and free of any dirt, debris, or syrup.
4. Non-carbonated products (water, juice, etc.) should have a good nitrogen charge.
5. Using a spirit level, ensure the vender is level left-to-right and front-to-back. (*Refer to Figure 5.*)
6. Columns should never be overfilled with product. (*Refer to Figure 6.*) **Pushing down on a column full of bottles to try to load extra product in it can cause bottles to interlock.** Refer to the appropriate PVS for the maximum recommended package quantity per column.
7. Priming of products in the GIII column is not recommended. (*Refer to Figure 7.*) Priming can cause double-vending in some instances.

**Figure 1.**



Left column wall

Right column wall



Anti-friction sheets should be clean and not peeling away from the column wall.

If the sheet is damaged or is peeling, remove it completely from the column. Use a scraper to remove any excess adhesive from the column wall. Then, clean the area thoroughly with a liquid dish detergent and water. Once dried, apply new anti-friction sheets in the locations shown in Figure 2.

After the sheets have been applied, use a rag impregnated with Royal Vendors-supplied silicone to apply a very light, thin layer of the silicone to enhance sheet life. Use a dry rag to wipe off any excess silicone from the sheet.

**ANY QUESTIONS? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT  
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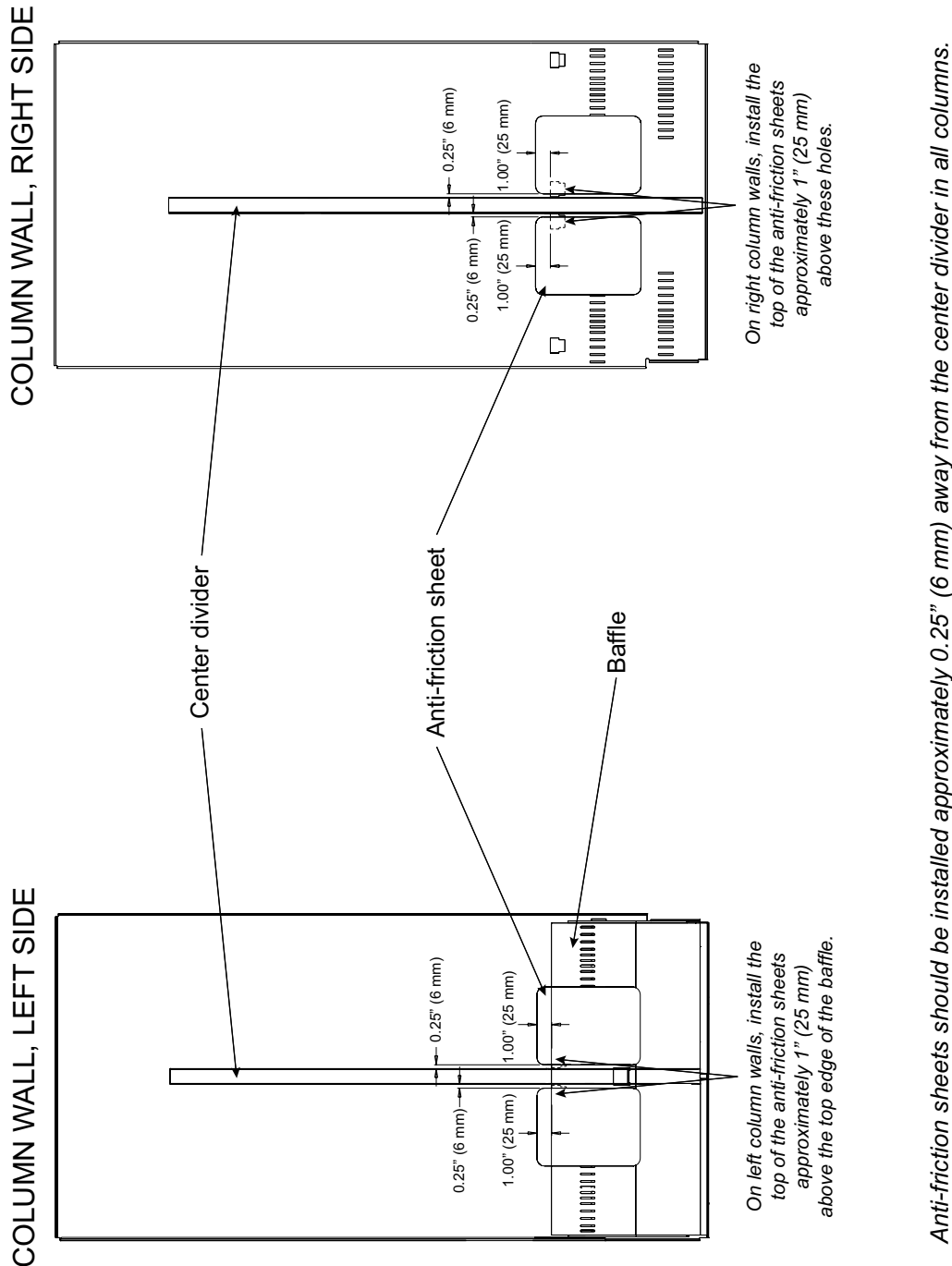
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### Figure 2.

Proper locations of anti-friction sheets



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**Figure 3.**



*Left column wall, top, set in position 7*

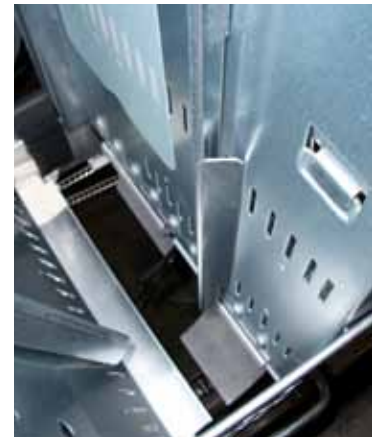


*Right column wall, top, set in position 7*

Set the product retainer to the correct position for the package to be vended from the column. For correct settings, refer to the product's Package Vending Specification (PVS). Ensure that both the top and bottom of the retainer are set in the correct position. The retainers shown here are in position 7, the setting for most 20-ounce bottles.



*Left column wall, bottom, set in position 7*



*Right column wall, bottom, set in position 7*

**Figure 4.**

Set the rear column spacers to the appropriate settings for the particular package being vended as well.



To change the position of the column spacer, press in on the spring fingers in the locations pointed out here.

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**Figure 5.**



*Leveling the front of the vender*

*Leveling the side of the vender*



Using a spirit level, ensure the vender is level left-to-right and front-to-back. To level it, use a wrench to turn the vender's leveling legs in (lower) or out (higher).

**Figure 6.**

Never overfill columns with product. Overfilling could cause bridging, jamming, or interlocking of bottles. Refer to the appropriate PVS for the correct number of bottles per column of a given product.



*Overfilling the column. Note that this column is already full. Adding more product will compress the bottles, which causes vending problems, such as bridging.*

**Figure 7.**

Do not prime the column. Priming can cause double-vending of products.



*Primed bottle, shown from above.*



*The column shown on the right in this picture is loaded correctly and not primed.*

*Primed bottle (left column), shown from below.*

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