



# SERVICE BULLETIN 398

426 Industrial Boulevard • Kearneysville WV 25430-2776 • USA  
 Telephone: +1 304 728 7056 • technicalinquiry@royalvenders.com  
 Toll-free in North America: 1 800 931 9214 • Fax: +1 304 725 4016  
 Canada: +1 905 738 5777 • Mexico: +52 55 5203 6887  
 Europe: +49 2158 95 1000 • Australia: +61 2 9890 5433

Page: 1 of 2

Date: 14 May 2015

Revision: 00

**SUBJECT:** 20 oz Anti-bridging Kit for Merlin IV

**MODELS:** 72" Merlin IV (models 650 and 542)

Number of  
People  
Required



**KIT NUMBER**

**KIT DESCRIPTION**

332108

20 oz Anti-bridging Kit, MIV, 72, Front

332109

20 oz Anti-bridging Kit, MIV, 72, Rear



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, refrigeration system, monitor, and computer; 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.

**TOOLS REQUIRED:** None

**ESTIMATED INSTALLATION TIME:** <10 minutes

**PURPOSE OF THIS BULLETIN:** In certain vintages of Merlin IV venders, bridging may occur with some 20 ounce bottles. In the event this occurs, this anti-bridging kit should alleviate the issue.

## INSTALLATION INSTRUCTIONS:

### Front columns

1. Remove power by unplugging the vender's power cord from the AC voltage source (wall outlet).
2. Remove all product from the column(s) in which this kit is to be installed.
3. Remove the product retainers from the column.
4. Install the filler plate by placing it all the way against the center divider channel, so that the filler's top right tab slides into position 9. (Refer to Figure 1.)
5. Install one anti-friction sheet half-way on the bottom of the filler plate, with the bottom half on the column wall. Then, install another anti-friction sheet directly above the first one. (Refer to Figure 1.)
6. Apply a thin coat of silicone to the anti-friction sheets once installed.
7. Install the center divider extrusions as shown in Figure 3.
8. Install the product retainers in position 6.
9. Load bottles with caps to the front.
10. Restore power by plugging the vender's power cord into the AC voltage source (wall outlet).

### Rear columns

1. Remove power by unplugging the vender's power cord from the AC voltage source (wall outlet).
2. Remove all product from the column(s) in which this kit is to be installed.
3. Move the backspacer assembly all the way to the rear of the column.
4. Install the filler plate by placing the top tab in the position closest to the divider channel. (Refer to Figure 2.)
5. Install one anti-friction sheet half-way on the bottom of the filler plate, with the bottom half on the column wall. Then, install another anti-friction sheet directly above the first one. (Refer to Figure 2.)
6. Apply a thin coat of silicone to the anti-friction sheets once installed.
7. Install the center divider extrusions as shown in Figure 3.
8. Install the backspacer assembly in position 4.
9. Load bottles with caps to the rear.
10. Restore power by plugging the vender's power cord into the AC voltage source (wall outlet).

In an effort to provide our customers with the latest information on our equipment, Royal Vendors sends service bulletins to customers using the original ship-to address or e-mail addresses, if supplied by our customers. We also post all service bulletins on our website at [www.royalvenders.com](http://www.royalvenders.com). If for any reason a vender is moved to another location or is sold to another customer other than to whom Royal Vendors originally sent the machine, it is the responsibility of the original purchaser of the vender to notify the appropriate personnel of the service bulletin.

**ANY QUESTIONS? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT  
 IN NORTH AMERICA, CALL TOLL FREE 1 800 931 9214**



# SERVICE BULLETIN 398

426 Industrial Boulevard • Kearneysville WV 25430-2776 • USA  
 Telephone: +1 304 728 7056 • technicalinquiry@royalvendors.com  
 Toll-free in North America: 1 800 931 9214 • Fax: +1 304 725 4016  
 Canada: +1 905 738 5777 • Mexico: +52 55 5203 6887  
 Europe: +49 2158 95 1000 • Australia: +61 2 9890 5433

Page: 2 of 2

Date: 15 May 2015

Revision: 00

**SUBJECT:** 20 oz Anti-bridging Kit for Merlin IV

**MODELS:** 72" Merlin IV (models 650 and 542)

**Figure 1.**

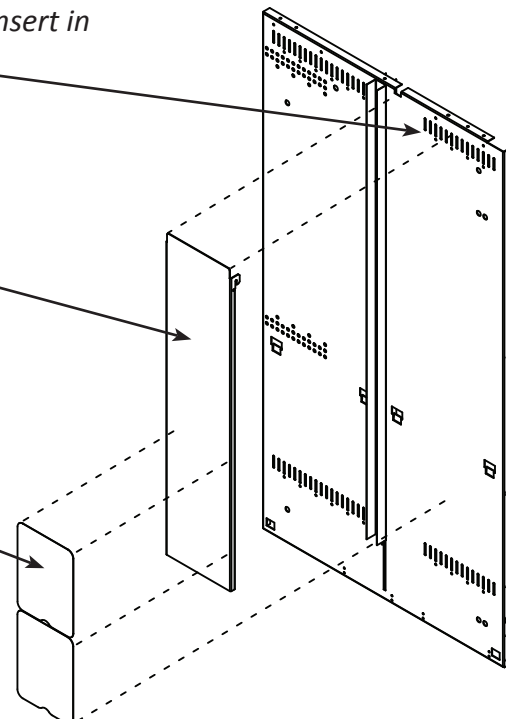
Front column installation

The right tab will insert in position 9.

Right-side column wall

Front filler plate

Anti-friction sheets  
 Install the bottom anti-friction sheet half-way on the filler plate and half-way on the column wall. Install the second sheet directly above the first.



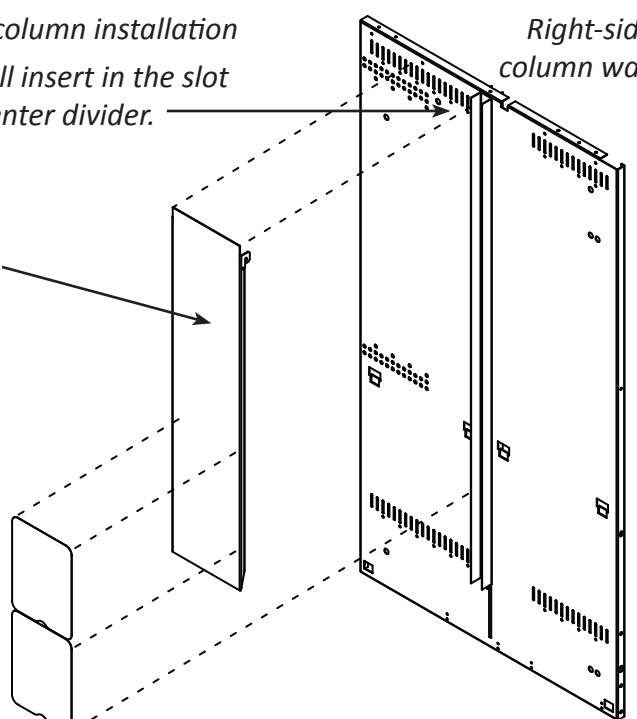
**Figure 2.** Rear column installation

The right tab will insert in the slot closest to the center divider.

Right-side column wall

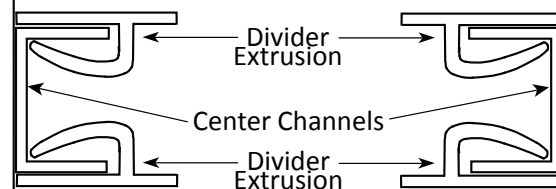
Rear filler plate

Anti-friction sheets  
 Install the bottom anti-friction sheet half-way on the filler plate and half-way on the column wall. Install the second sheet directly above the first.



**Figure 3.** Center divider extrusions

Rear Column



Front Column

**ANY QUESTIONS? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT  
 IN NORTH AMERICA, CALL TOLL FREE 1 800 931 9214**