



# SERVICE BULLETIN 343

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: 31 Mar 11

Revision: 01

**SUBJECT:** Reorientation of Metal Evaporator Fan Motor

Number of  
People  
Required



**MODELS:** RVV 500

| KIT NUMBER | KIT DESCRIPTION |
|------------|-----------------|
| N/A        | N/A             |

**TOOLS REQUIRED:** Screwgun with Phillips-head bit, 3/8" (10 mm) nut driver

**ESTIMATED INSTALLATION TIME:** 10 minutes



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.

**REASON FOR BULLETIN:** In some RVV 500 venders built from September 2010 until March 2011, moisture from condensation could get inside the evaporator fan motors through the opening for the power cord. Beginning in March 2011, the orientation of the fan motors in the vender was changed to prevent this moisture from getting into the motor assembly. This bulletin describes the best field solution to correct this issue.

### INSTALLATION INSTRUCTIONS:

1. Remove power by unplugging the vender's power cord from the AC voltage source (wall outlet).
2. Remove the bottom shelf from the vender.
3. Remove the evaporator fan motor grille.
4. Remove the four screws that secure the evaporator fan motor. (Refer to Figure 1.)
5. Turn the fan motor 45° and secure it with two of the screws that were just removed. Refer to Figure 2 for the new orientation of the motor and the placement of the screws.
6. Use two self-drilling screws to secure the two other cut-outs in the fan motor's mounting flange. (Refer to Figure 3.)
7. Reinstall the evaporator fan motor grille and the bottom shelf.
8. Restore power by plugging the vender's power cord into the AC voltage source (wall outlet).

**Figure 1.** Original orientation of evaporator fan motor assembly.

FRONT VIEW

REAR VIEW



screws to remove  
**Note:** It will be most helpful to use a Sharpie® to make a mark on the fan frame next to the screwholes circled in the photo to the left. This will help ensure the proper orientation of the fan in the next step.

power cord



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**



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**Figure 2.** New orientation of evaporator fan motor assembly.

FRONT VIEW



screws

Turn the fan motor assembly so that it is oriented as shown in the photo to the right, with the power cord routed downward. Secure the fan with two of the screws removed in the previous step. The Sharpie® marks on the fan frame should coincide with the positions of the screws shown here.

REAR VIEW



power cord

**Figure 3.** Completed installation of evaporator fan motor assembly.



self-drilling screw

self-drilling screw

Install the two self-drilling screws in the positions shown. The reorientation of the assembly is complete.

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