



SERVICE BULLETIN 284

426 Industrial Boulevard • Kearneysville WV 25430-2776 • USA

Telephone: +1 304 728-7056 • Fax: +1 304 725-6579

Toll-Free in North America: 1 800 931-9214 • technicalinquiry@royalvendors.com

Page: 1 of 1

Date: 20 Apr 07

Revision: 00

SUBJECT: 20+ Vend Motors

MODELS: All 20+ (TDV) venders

Number of
People
Required



KIT NUMBER **KIT DESCRIPTION**

N/A N/A

TOOLS REQUIRED: N/A

ESTIMATED INSTALLATION 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 power from vender before working in any of these areas.

REASON FOR BULLETIN: 20+ (TDV) Venders have two different vend motors installed: a low-torque motor, for all front columns; and a high-torque motor, for all rear columns. These two motor types are NOT interchangeable.

Low-torque motors (see Figure 1):

Low-torque motors (part number 839031) must only be used in front columns. These motors are not able to withstand the additional product weight of a fully-loaded rear column in the 20+ Venders. This additional weight will quickly wear out the low-torque motors.

High-torque motors (see Figure 2):

High-torque motors (part number 839032) must only be used in rear columns. While these motors are more powerful than the low-torque motors, the high-torque motors turn at a lower RPM rate. If a vend is not recorded within a certain time period after a selection is made, the column will be registered as sold-out. Because of the slower turning rate of the high-torque motors, products will not be vended within the time limit. No further vends will be allowed from that column until the sold-out condition is cleared by opening and re-closing the vender's door.

Figure 1

Low-torque motor

Low-torque motors have a red wire and a black wire, with no protective sheath. The can motor measures approximately 1 3/8" (35 mm) long.



Figure 2

High-torque motor

High-torque motors have a white wire and a black wire, with a protective sheath. The can motor measures approximately 1 7/8" (48 mm) long.



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.royalvendors.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**