



SERVICE BULLETIN 292

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Page: 1 of 2

Date: 13 May 08

Revision: 00

SUBJECT: Installation of the RVV IEC Ballast Assembly

Number of
People
Required



MODELS: RVV NG (230 VAC models)

| KIT NUMBER | KIT DESCRIPTION |
|------------|--------------------------|
| 355550 | Ballast Assembly RVV IEC |

TOOLS REQUIRED: Phillips (cross) screwdriver

ESTIMATED INSTALLATION TIME: 20 minutes

REASON FOR BULLETIN: The seven-connector 220-240 volt electronic ballast that was originally used in the international RVV NGs has been replaced by a four-connector electronic ballast. The assembly for this new ballast is shipped from Royal Vendors in two distinct sections: the lamp harnessing (including the lamp holders) and the ballast (including its power lead). These two sections must be installed in the vender separately before they are connected to one another. This bulletin describes how to properly connect the lamp harnessing to the ballast.



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.

INSTRUCTIONS:

1. Remove power by unplugging the vender's power cord from the AC voltage source (wall outlet).
2. Remove the fluorescent tubes from the vender's door.
3. Remove the wires to the existing ballast in the vender.
4. Using a Phillips (cross) screwdriver, remove the screw that secures the existing ballast in the vender. Remove the ballast.
5. Install the new ballast in the vender, securing it with the screw that was removed in Step 4.
6. Connect the power lead on the new ballast to the main door harness.
7. Install the new lamp harnessing, including the lamp holders, in the vender's main door. Route the harnessing in the same location the old harnessing was routed previously.
8. Connect the lamp harnessing to the ballast as shown in the illustration on page 2. The wires on the new lamp harnessing are tagged with a label describing which position they should be plugged into on the ballast. To install the wires, insert them straight into the ADS / manual connection as shown in the illustration.
9. Reinstall the fluorescent tubes.
10. Restore power to the vender by plugging the vender's main 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. 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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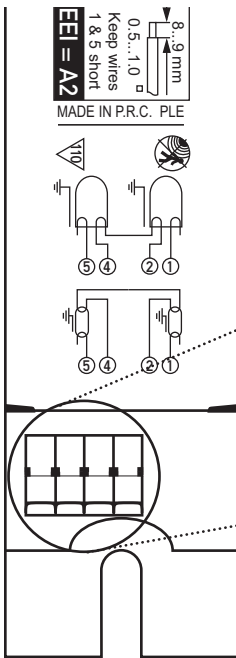
SUBJECT: Installation of the RVV IEC Ballast Assembly

MODELS: RVV NG (230 VAC models)

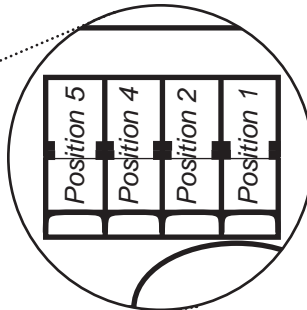
Connecting the lamp harnessing to the ballast



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Ballast



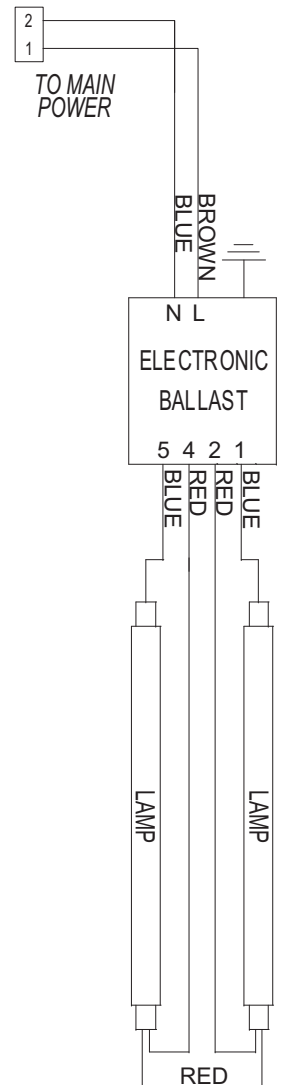
Correct placement of wires by colour:

Position 1: Blue wire marked "Ballast Position 1"

Position 2: Red wire marked "Ballast Position 2"

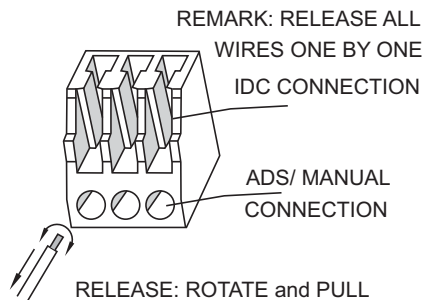
Position 4: Red wire marked "Ballast Position 4"

Position 5: Blue wire marked "Ballast Position 5"



Important note

Make sure to insert wires completely. If the wire must subsequently be removed for any reason, **do not pull straight out on the wire**. Rather than come out of the connection, **the wire will break if pulled straight out**. To release the wire from the ADS / MANUAL CONNECTION, rotate the wire, then pull.



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