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SUBJECT: 220-240 VAC Electronic Ballast Replacement

Number of
People
Required



MODELS: RVV NG, Merlin RB (230 VAC 50 Hz models only)

TOOLS REQUIRED: Phillips screwdriver

ESTIMATED TIME: 5 minutes

REASON FOR HELPFUL HINT:

The seven-connector 220-240 volt electronic ballast that was originally used in the international RVV NG and Merlin RB venders has been replaced by a newer four-connector electronic ballast. This Helpful Hint describes the correct procedure for installing this new ballast in place of the existing original 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 light tubes from the vender's door.
3. Remove the wires to the existing ballast in the vender. To remove the wires, rotate and pull straight out from the ADS / manual connection on the ballast. Release all the wires one by one. Refer to Figure 1.
4. Remove one blue wire from the ballast to each bottom lamp holder (two wires). These two wires should be pulled out of the harness sheathing completely and MUST be discarded. **NOTE: For safety, it is imperative that these two wires be removed. Failure to remove these wires could cause electrocution, potentially resulting in death.**
5. Using a Phillips screwdriver, remove the screw that secures the existing ballast in the vender. Remove the ballast.
6. Install the new ballast in the vender, securing it with the screw that was removed in Step 5.
7. Connect the wires to the ballast. To install the wires, insert them straight into the ADS / manual connection as shown in the illustration below. See Figure 2 to ensure that the wire colours are connected in the correct order.
8. Reinstall the fluorescent tubes that were removed in Step 2.
9. Restore power by plugging the vender's main power cord into the AC voltage source (wall outlet).

Figure 1. How to release existing wires from the ballast connection.

RELEASE ALL WIRES ONE BY ONE.

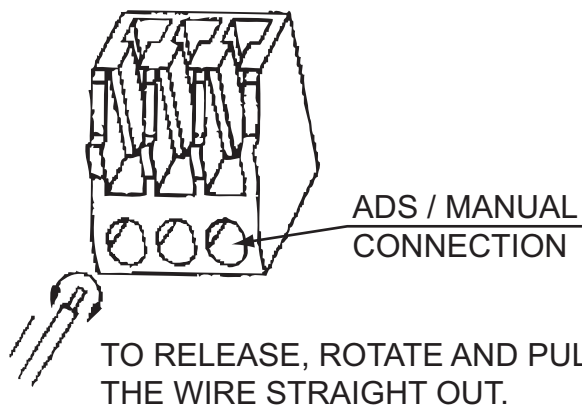
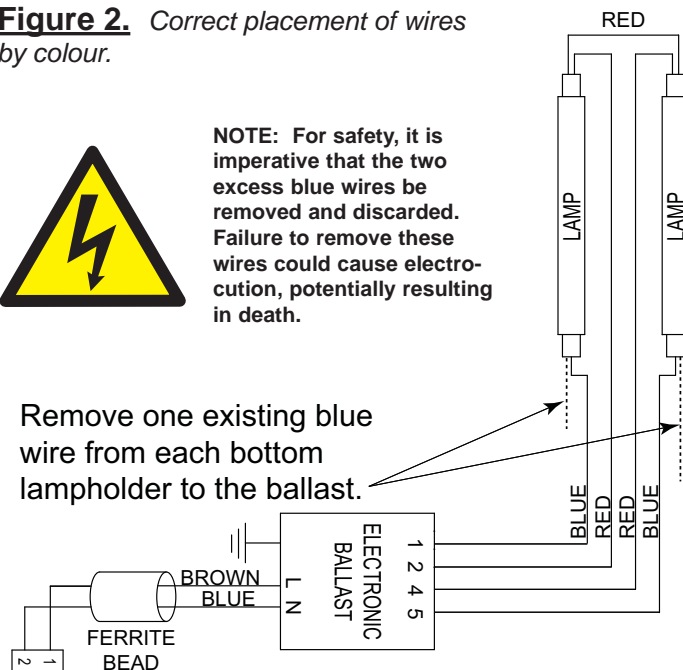


Figure 2. Correct placement of wires by colour.



NOTE: For safety, it is imperative that the two excess blue wires be removed and discarded. Failure to remove these wires could cause electrocution, potentially resulting in death.

Remove one existing blue wire from each bottom lampholder to the ballast.



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