



# SERVICE BULLETIN # 00278

426 INDUSTRIAL BOULEVARD • KEARNEYSVILLE WV 25430-2776 • USA  
Phone: (304) 728-7056 • Fax: (304) 725-6579 • Toll Free: (800) 931-9214

PAGE: 1 of 6  
DATE: 9-21-06  
REVISION: 00

**SUBJECT:** RVV NG IEC Wiring / Label Checklist

# of People  
Required



**MODELS:** RVV NG 230 VAC 50 Hz models

**Kit Number**

**Kit Description**


None

N/A

**TOOLS REQUIRED:** None

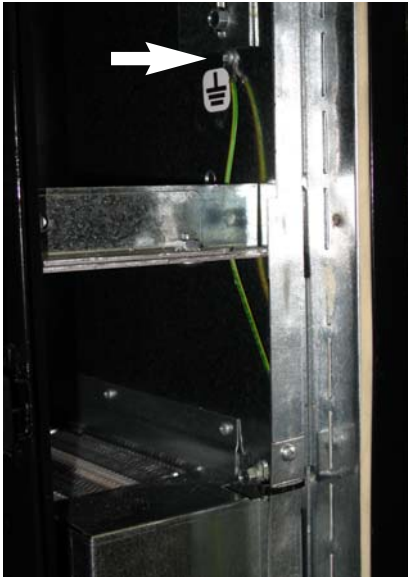
**ESTIMATED INSTALLATION TIME:** 10 minutes

**REASON FOR BULLETIN:** This bulletin is provided as a checklist for the placements of decals, etc., provided as safety measures on all 230 VAC 50 Hz models of the RVV NG, as shown in the following pictures.



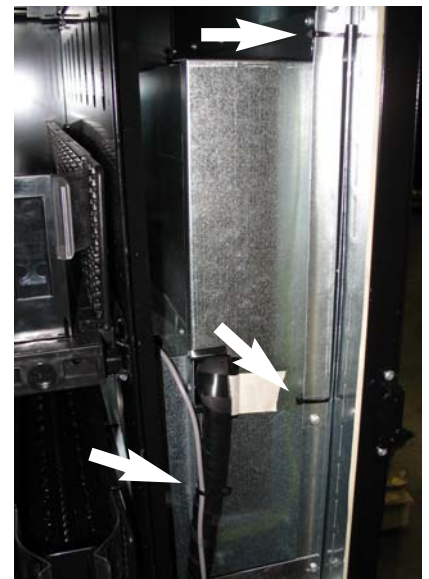
The following areas of this vender contain voltage which can cause serious injury or even death: the main power cord, supplying 230 VAC to the evaporator, EMI filter, and refrigeration system; the power line from the EMI filter to the ballast and transformer; and the ballast, which can produce upwards of 600 volts. Remove power from vender before working in any of these areas.

## WIRING



1. The cabinet earth wire should be attached below the latch strike in the location shown. Note the routing of the earth wire behind the cabinet brace.

2. The cabinet earth wire should be secured behind the flange with two wire ties, as shown. Tie the temperature sensor harness to the heat exchanger.



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](http://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  
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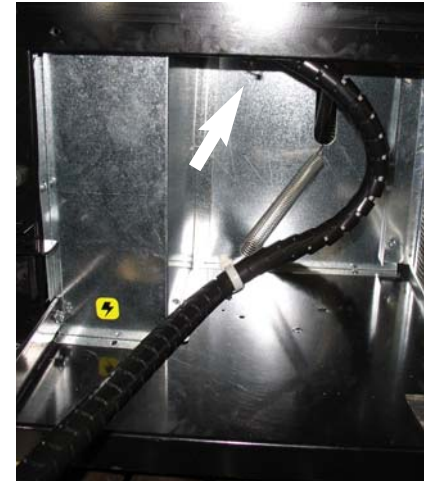
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**MODELS:** RVV NG 230 VAC 50 Hz models



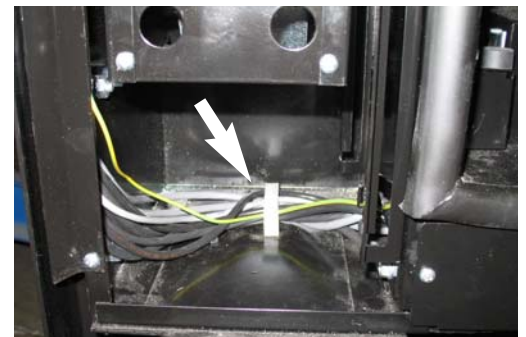
3. The wires should be routed neatly in the bottom of the cabinet, keeping the high-voltage and low-voltage wires separated (not touching). The cabinet earth wire should run behind the relays.

4. Secure the slit-wrapped wire bundle to the top flange using the hole provided. The slit wrap should run up and over the top edge of the relay cover approximately 3" (7.5 cm).



5. Secure the slit-wrapped wire bundle to the corner of the door with a cable clamp. Tie the slit wrap to the cable clamp to keep the slit wrap in the desired position. The slit wrap should extend into the ballast box approximately 2" (5 cm) to protect the wires.

6. All wires below the port box should be captured in a large cable clamp.



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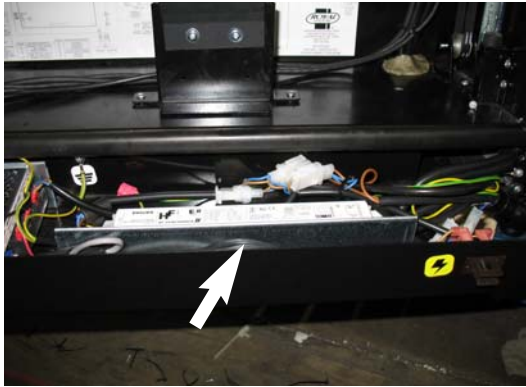
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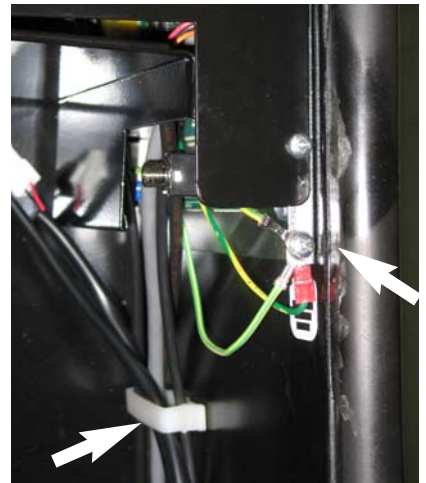
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7. Use the dividing wall in the ballast box to keep the high-voltage and low-voltage wires separated. The high-voltage wires should be in the back of the box, while the low-voltage wires are kept in front.

8. Capture all the wires running down from the VMC in a large cable clamp, and connect the earth wires as shown.



9. The strain relief for the wires running from the VMC / DMC into the outer channel should be accomplished by securing the wires to a wiring cover plate in the hole provided.

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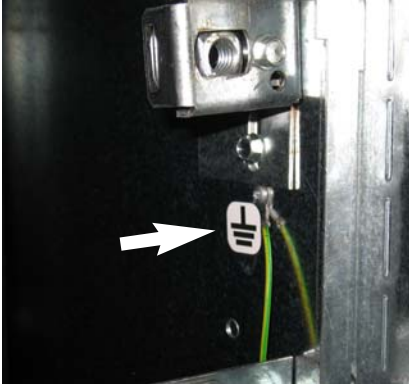
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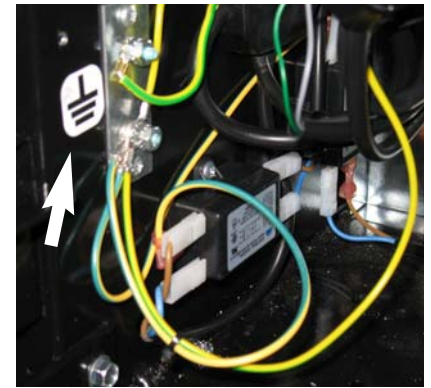
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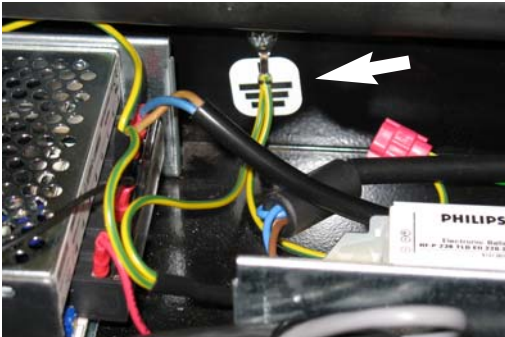
## LABELS



10. The earth label should be applied in the approximate location shown next to the cabinet earthing connection point.

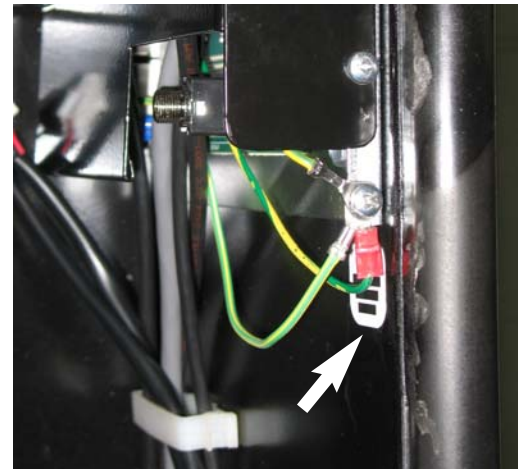


11. The earth label should be applied in the approximate location shown next to the earthing post bracket.



12. The earth label should be applied in the approximate location shown on the back wall of the ballast box.

13. The earth label should be applied in the approximate location shown below the earthing point on the VMC mounting plate.



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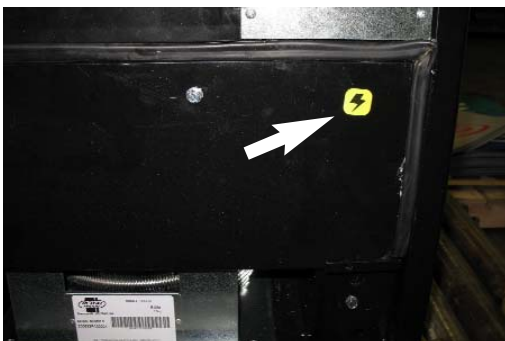
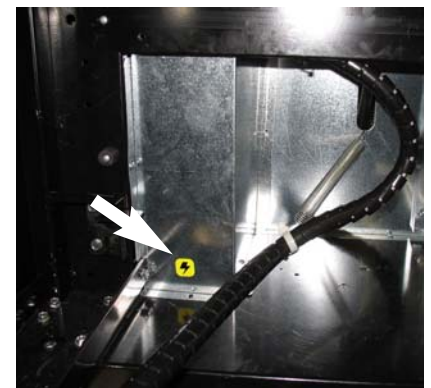
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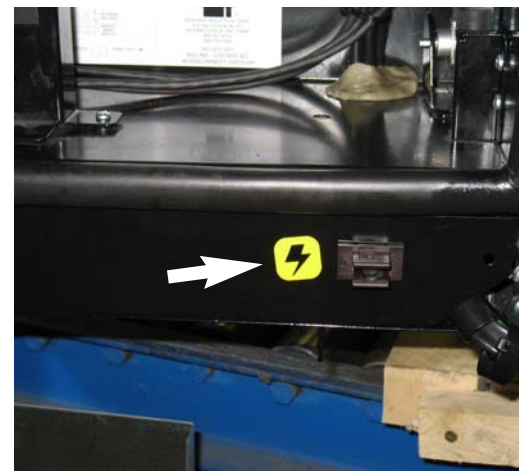
14. The high-voltage label should be applied in the approximate location shown on the inner door.

15. The high-voltage label should be applied in the approximate location shown on the relay cover.



16. The high-voltage label should be applied in the approximate location shown on the refrigeration door.

17. The high-voltage label should be applied in the approximate location shown on the ballast box.



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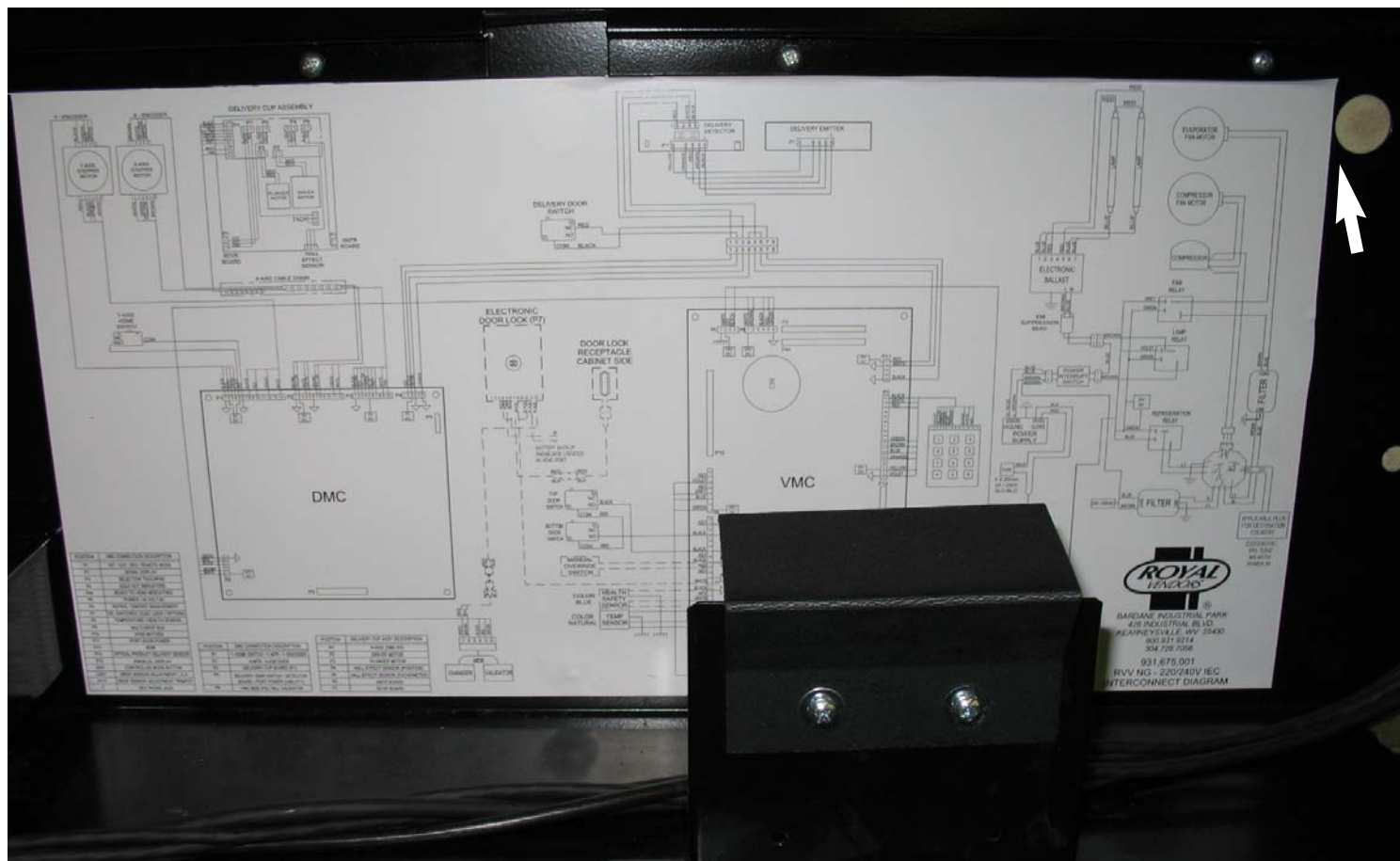
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18. The interconnect label should be located on the bottom inside panel of the main door. Information depicted on the label should not be obscured. Centre the label vertically in the space provided. Centre the label horizontally using the left edge of the top right trim hole as a guide.

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