SERVICE BULLETIN # 00154

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DATE: 6-19-02
REVISION: 04

SUBJECT: Relay Conversion Kit (to Relay #836065)

MODELS: GIIv2, GIII, and Merlin III Models

KIT NUMBER	KIT DESCRIPTION
147508	Relay Conversion Kit (to Relay #836065)

The following areas of this vender contain voltage, which can cause serious injury or even death. The main power cord, supplying 110 VAC to the evaporator, EMI filter, and refrigeration system. The power line from the EMI filter to the ballast and transformer. The ballast can produce upwards of 600 volts. Remove power from vender before working in any of these areas.

Reason for Fix:

To allow the use of the current stock Relay (836065) which may have slightly larger coil terminals than some of the previously used relays.

Instructions:

1. Unplug vender and open vender's main door.
2. Locate the current relay to be replaced. (If it is the Refrigeration Control Relay it will be located in the lower left section of the vender's cabinet on the cabinet support.) DO NOT remove any wires that are attached to the relay as this will be done later. Remove it by unscrewing the 2 screws that hold it in place.
3. Position the new relay and scribe two places for relay mounting. Place the new relay to the side and using a 1/8" drill bit, drill two holes to mount the new relay. Use the 2 existing self drilling screws to mount the new relay in place.
4. Remove the two wires that are connected to the small relay's "switch terminals" and connect them to the large relay's switch terminals as shown (black wires). Shown here are the wires (black wires) for the refrigeration system.
5. Disconnect the two wires that are connected to the small relay's "coil terminals" (as shown to right). Cut the terminal off and strip each of these two wires leaving approximately 1/4" of exposed copper wire. Dispose of the loose ends.
6. Using one of the two wires included with the kit intertwine it's bare copper end with that of one of the two wires just cut and stripped. Insert the bare copper wire "twisted connection" into one of the bell connectors included in the kit. Repeat this procedure for the other stripped wire.
7. Connect these newly spliced leads to the new relay's coil connections. Check all connections and power vender.

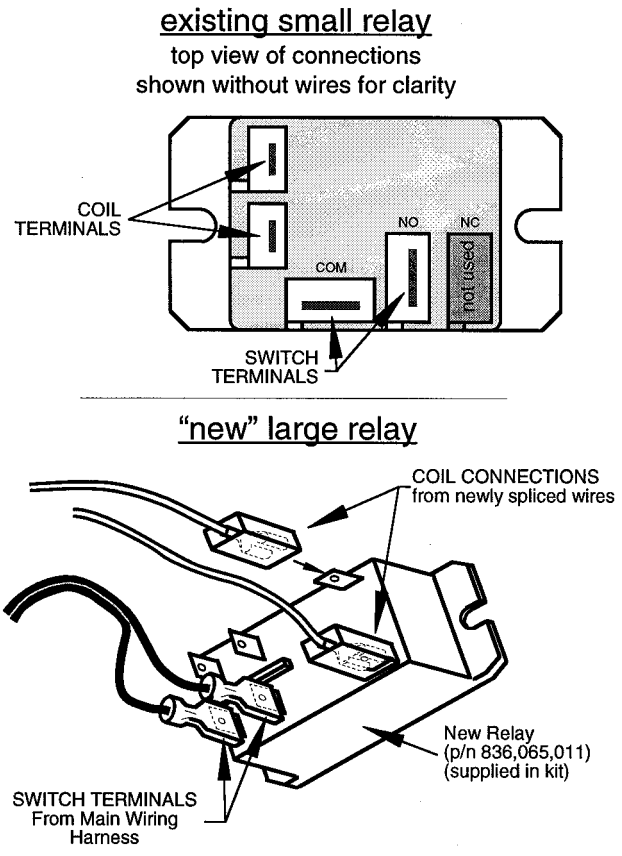

Figure A

ANY QUESTIONS??? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT
CALL TOLL FREE (800) 931-9214