



# SERVICE BULLETIN # 00208

201 INDUSTRIAL BOULEVARD • KEARNEYSVILLE, WV 25430

Phone: (304) 728-7056 • Fax: (304) 725-6579 • Toll Free: (800) 931-9214

PAGE: 1 of 2

DATE: 6-20-02

REVISION: 03

**SUBJECT:** Merlin IV Venders Reading "Out of Order" (W2 Jumper)

**MODELS:** MIV

Part Number	Part Description
836101	Control Board
095180	Ballast Filter Kit



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 BULLETIN:** We have experienced a limited number of occurrences concerning a Merlin IV reading "Out of Order"; if your vender exhibits this condition, please follow the instructions below.

## INSTRUCTIONS:

**Note:** Remove power from vender by unplugging vender's main power cord from the AC voltage power source (wall outlet).

To ensure that your vender is adequately equipped to resolve this "out of order" condition, it should be outfitted with a Control Board without a W2 Jumper and a Ballast Filter Kit.

**PRIOR TO RUN #1629**, venders may need a Ballast Filter Kit and Control Board without a W2 jumper (if the vender does not currently have them).

**RUN 1629 THROUGH 1632**, Should already be equipped with a control board without a W2 jumper. If the vender is not currently equipped with a Ballast Filter Kit (p/n# 095180), one must be installed. Refer to page 2 of this bulletin.

If the vender currently has a Ballast Filter Kit with a potentially bad Control Board that has a W2 jumper, use p/n # 836101

**SERIAL NUMBER 200029 AND ABOVE**, does not require anything.

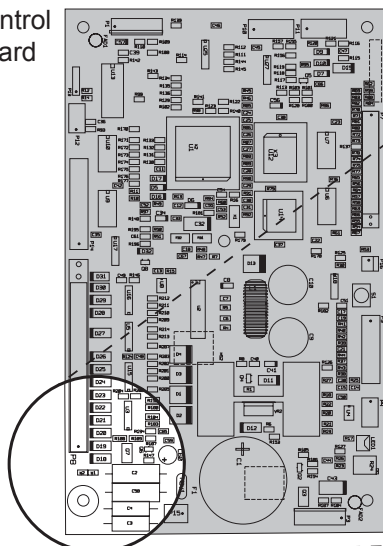
**If the board is equipped with a "W2" jumper, it should be replaced by a board without a "W2" jumper**

Identify potential problem boards by locating the W2 jumper. See illustration below

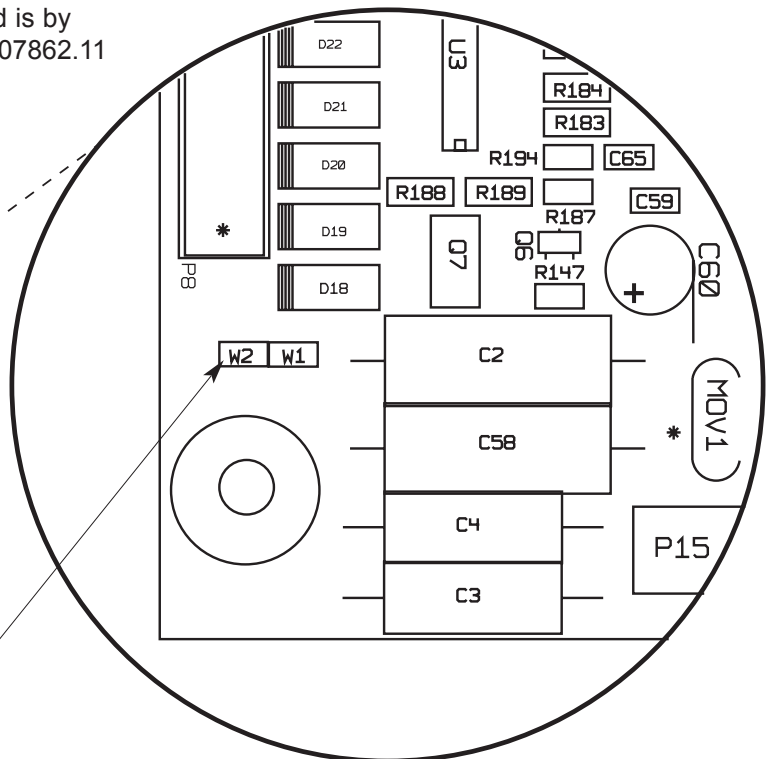
**Note:** The component (W2) on the board is not actually labeled "W2".

- Another way to identify the potential problem board is by a revision label on the back of the control board, 407862.11 and lower may potentially exhibit this problem.

Control Board



W2 Jumper



**ANY QUESTIONS???** CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT  
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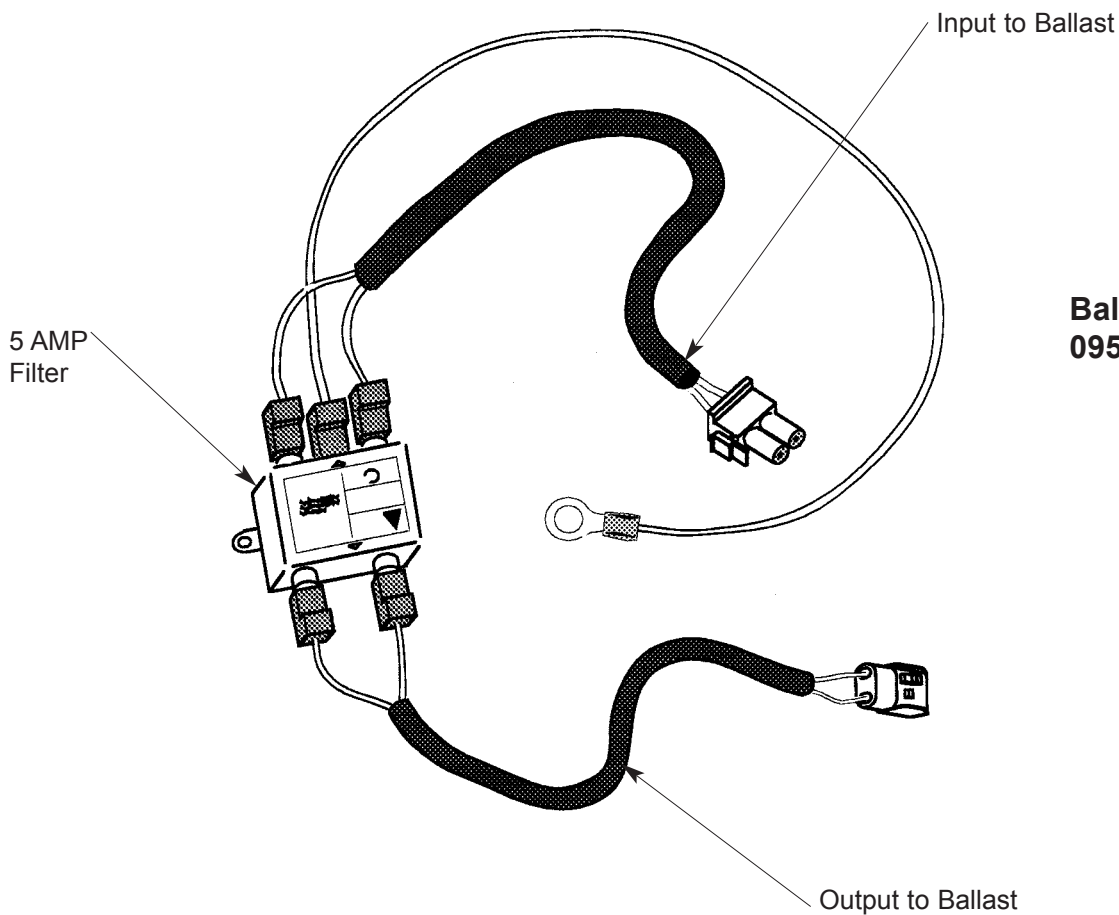
REVISION: 03

**SUBJECT:** Merlin IV Venders Reading "Out of Order" (W2 Jumper)

**MODELS:** MIV

**If the vender is not currently equipped with a Ballast Filter Kit (095180), one must be installed.**

1. Unplug power to vender's main door (or whole vender).
2. Unplug ballast power plug from the two way mate-n-lok socket and replace it with the "Harness, Line to Filter" (shown in illustration).
3. Plug the ballast power plug into the "Harness, Filter to Ballast" (shown in illustration).
4. Find a suitable place to mount the filter. Scribe and drill two 1/8" holes and mount the filter using the two #8 - 32 x 3/8" sems screw provided in the kit.
5. Ground the filter to a good ground using a nearby existing screw.



**Ballast Filter Kit (only)  
095180**

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