

# **INSTRUCTION MANUAL FOR**

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## **RCD-5-MDB**

**R** ADDATZ  
**P** RODUCT  
**D** DEVELOPMENT  
**Corp**

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## IMPORTANT NOTICES

- I. BE SURE TO LEVEL THE RCD-5-MDB WITH AT LEAST A 2° TILT TO THE REAR. THIS ALLOWS CONDENSATION TO RUN TO THE CONDENSATE DRAIN.

THE LEVELING IS ACCOMPLISHED BY ADJUSTING THE 2 FRONT LEVELING LEGS.

- II. LEAVE AT LEAST 3" BETWEEN THE BACK OF THE RCD-5-MDB AND THE WALL. CONDENSER COOLING AIR IS TAKEN IN THE FRONT AND EXHAUSTED OUT THE BACK.
  - III. YOUR RCD-5-MDB MAY HAVE BEEN SHIPPED WITH THE SOLD-OUT SWITCHES TAPED UP IN THE "FULL" POSITION. THE SWITCH IS LOCATED TO THE RIGHT AND BEHIND THE REAR VEND CAM (SEE FIGURE 5 IN THE MANUAL). REMOVE THE TAPE CAREFULLY OR THE SWITCH ACTIVATOR COULD BE DAMAGED.
  - IV. THIS MACHINE IS INTENDED FOR INDOOR USE ONLY.
  - V. DISCONNECT POWER BEFORE WORKING ON ANY ELECTRICAL COMPONENT.
  - VI. LOAD MACHINE WITH 12 OZ. CANS ONLY.
  - VII. UNLOAD MACHINE BEFORE TRANSPORTING IT.
  - VIII. TO MAINTAIN MAXIMUM COOLING YOU MUST REMOVE THE LOUVER PANEL ON THE FRONT OF THE RCD-5-MDB AND CLEAN THE CONDENSER COIL EVERY 6 MONTHS.
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## **I ELECTRICAL HOOKUP**

The RCD-5-MDB and the electronic snack vendor require one 120 VAC grounded outlet for each machine.

|            | <u>VOLTAGE</u> | <u>AMPS</u> |
|------------|----------------|-------------|
| RCS-15-MDB | 120 VAC        | 4.00        |
| RCS-20-MDB | 120 VAC        | 4.00        |
| RCD-5-MDB  | 120 VAC        | 5.00        |

## **II OPERATION**

The RCD-5-MDB is a companion unit designed to be operated by the electronic controller located in whichever snack vendor (RCS-15-MDB or RCS-20-MDB) is set on top of it.

The customer inserts money into the snack vendor and presses the appropriate selection (D0, D1, D2, D3, D4) on the touch pad to vend the soda or juice.

Prices for each soda selection are set through the snack vendor's electronics. Each selection can be individually priced to \$99.95. Consult the snack vendor's manual for pricing instructions.

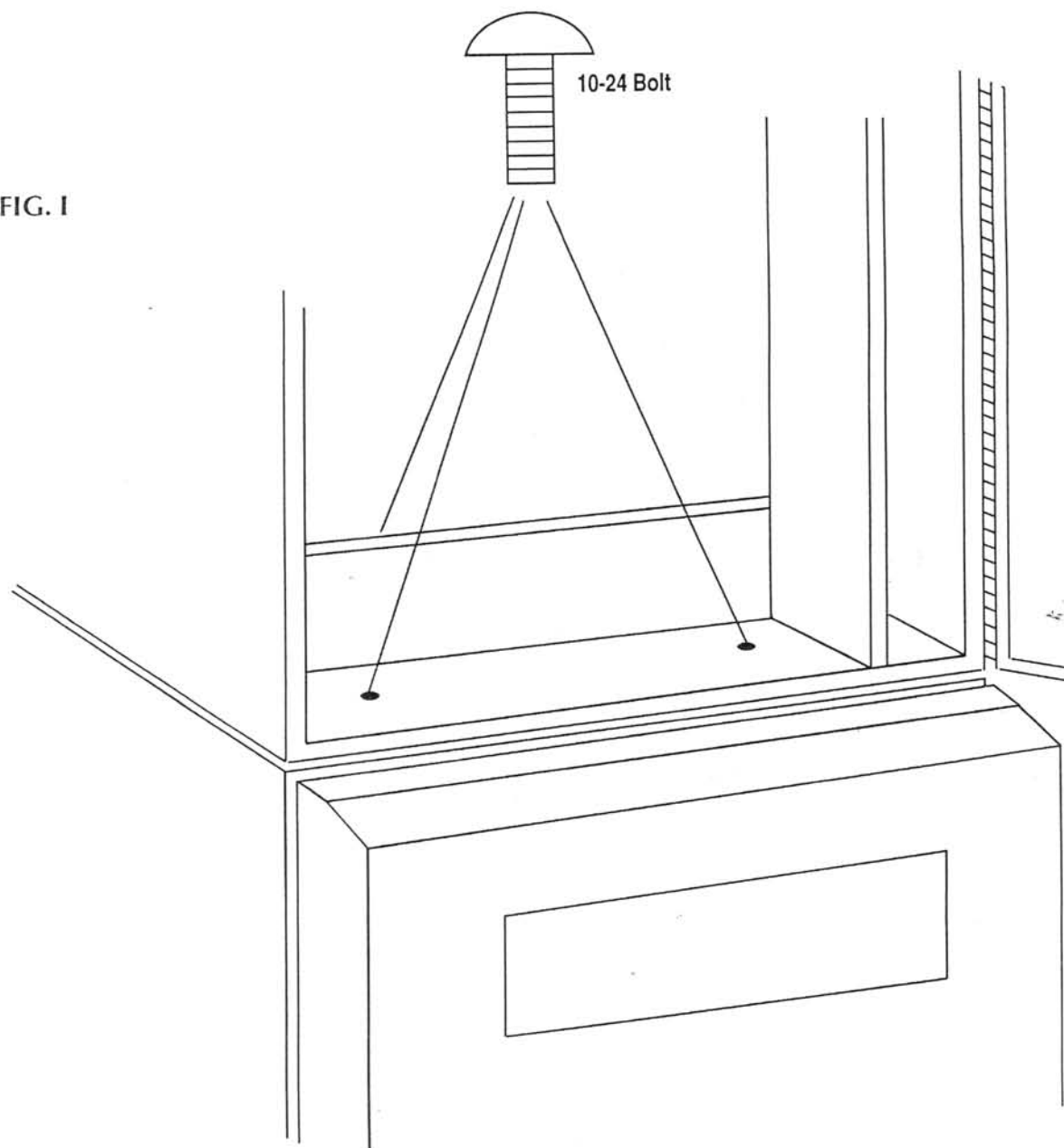
When sufficient money has been inserted and the selection buttons pressed, the electronic controller will send a signal to the appropriate vend motor. The can is dispensed into the drop area. Push the delivery door in to pick up the vended can.

If the selection pressed is "sold-out", the electronics will signal the customer to make an alternate selection through the snack vendor's LED display.

## **III CONNECTING THE SNACK VENDOR TO THE RCD-5-MDB**

- Step 1. Set snack machine on top of the soda companion.
- Step 2. Open snack machine door and align the 3 mounting holes on the top of the soda companion (two are located in the delivery compartment and one is under the bottom tray).
- Step 3. Use the three 10-24 bolts in the goody bag to secure the unit (See Figure I).

FIG. 1



#### IV ADDING THE RCD-5-MDB TO THE ELECTRONIC MATRIX

##### IMPORTANT

- A. The RCD-5-MDB is connected electrically to the snack vendor by plugging the harness located on its back into the outlet on the back of the snack vendor.
- B. The 5 selections in the RCD-5-MDB are added to the electronics matrix only when the machines are initially plugged into a 120 VAC outlet. BE SURE THE SOLD-OUT SWITCHES ARE CLOSED WHEN THE UNIT IS POWERED UP ON MACHINES PRODUCED BEFORE SEPTEMBER 1995.

## V LOADING THE MACHINE

### SERPENTINE SYSTEM

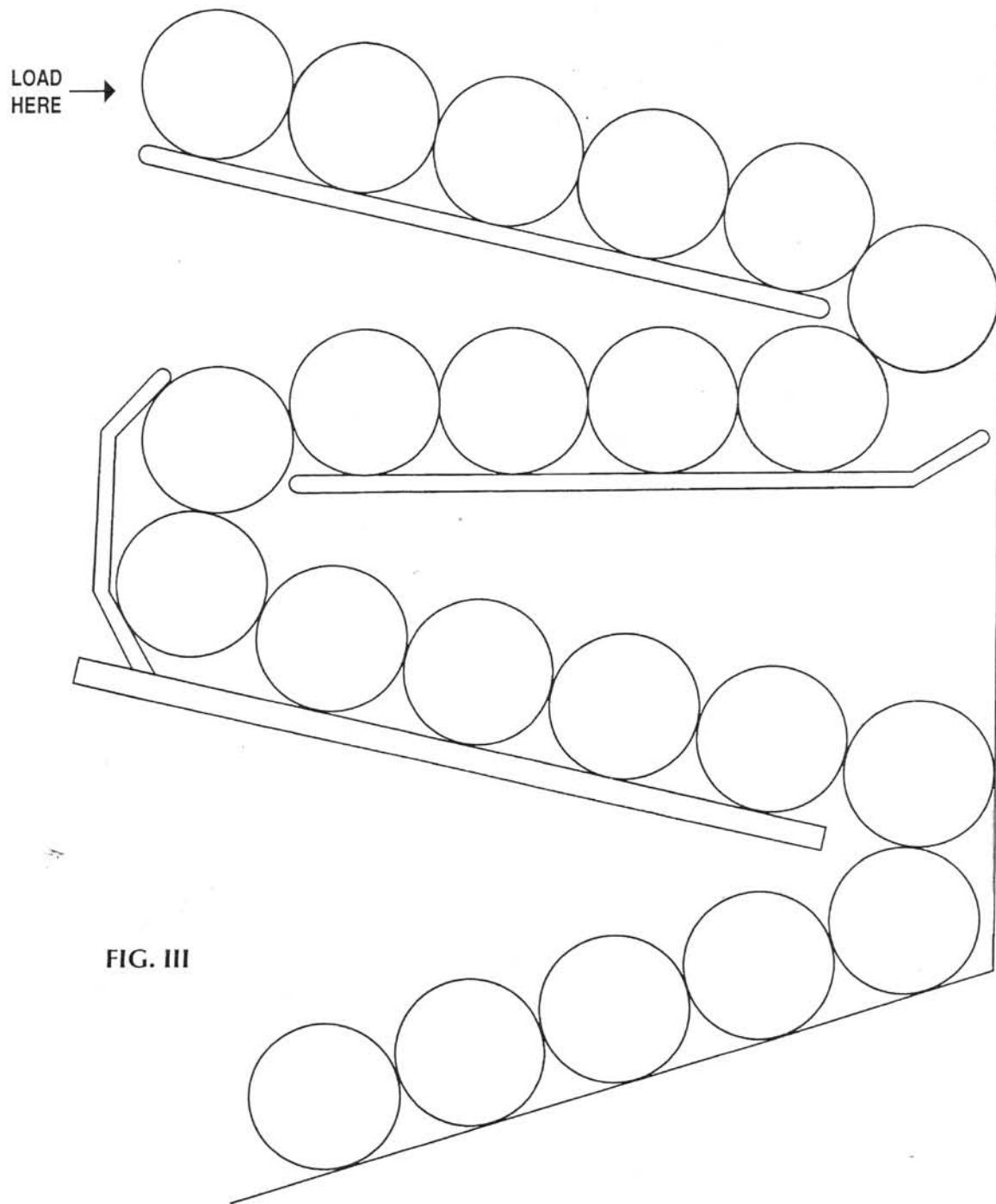


FIG. III

1. Cans loaded at the top will follow the serpentine path to the vend position.
2. Make sure cans are straight and not cocked.

NOTE: THE LAST CAN WILL NOT VEND.

## **VI RESETTING A SOLD-OUT SELECTION**

In units produced after September 1995 a sold-out selection will be automatically re-entered in the electronics when reloaded. In units produced before September 1995, the mode button must be pressed after the selection is reloaded.

## **VII PRE-COOLS**

There is room under the vend rack for approximately 10 cans. Use these first when reloading.

The cans against the back wall are in direct contact with the cooling surface and will cool rapidly. The entire machine will take 5 hours to cool.

## **VIII SCREW LOCK**

The RCD-5-MDB is equipped with a screw lock for added security. Turning the lock clockwise closes the door.

NOTE: DO NOT OVER TORQUE THE LOCK.

## **IX SETTING UP THE DISPLAY**

The can display area is located in the door and can be reached by removing the display cover located on the back of the door (See Figure IV).

First remove the 4 wing nuts and display back. Now the display holder can be pulled out. Place the display cans and price tabs on the display holder and reinsert into the display housing. Reattach the display back with the 4 wing nuts.

## **X CLEANING & MAINTENANCE**

For good operation it is important to keep the RCD-5-MDB clean. Two important areas are:

- A. Keep the condenser coil free of dirt and debris so the cooling system will work efficiently.
- B. Clean spilled soda out of the vend racks so cans will not stick, resulting in a bad vend.

## **XI SETTING THE THERMOSTAT**

To reach the thermostat, the front grill must be removed. The thermostat knob is located on the control box to the right of the condenser.

Turning the knob clockwise will lower the temperature setting.

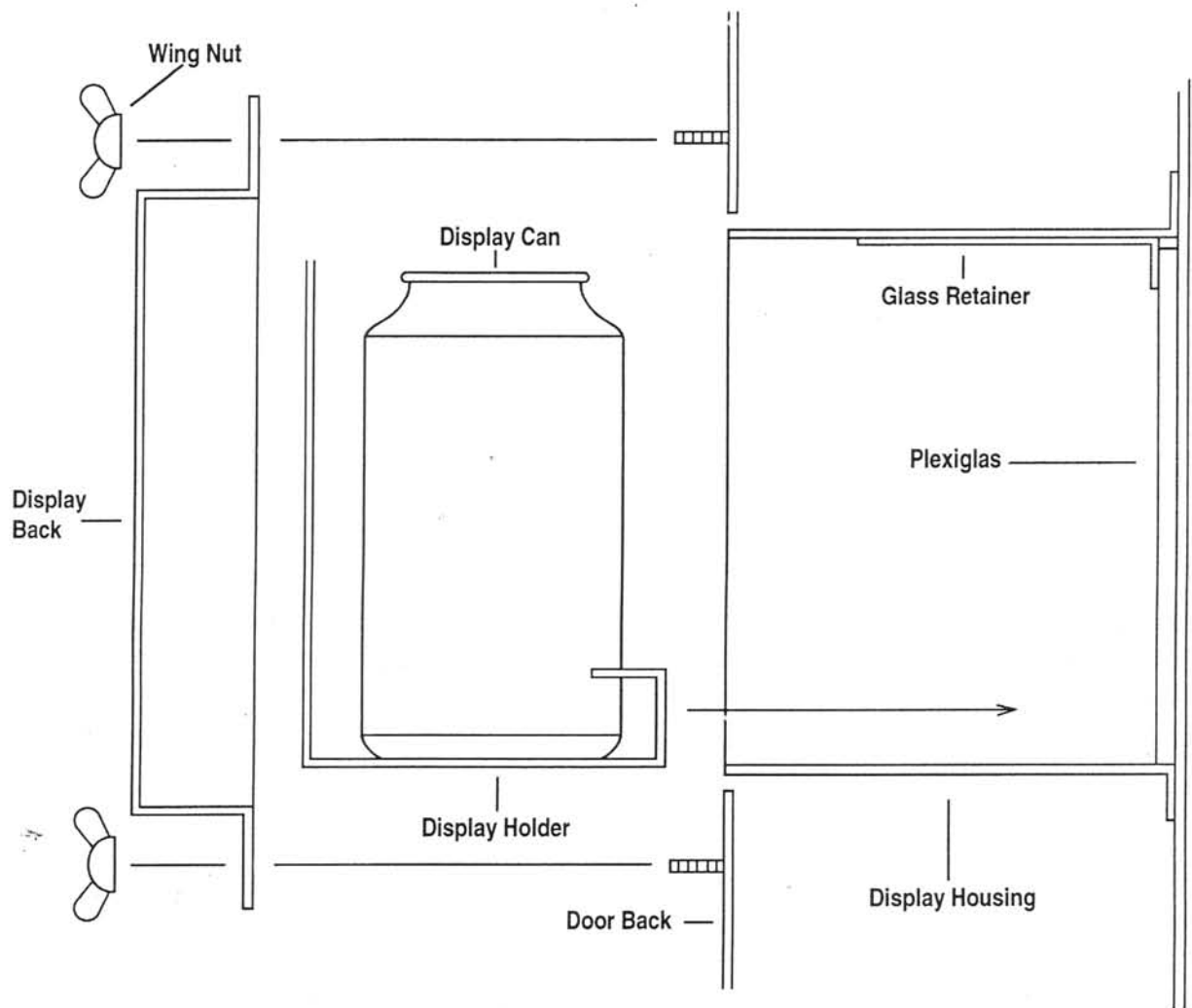


FIG. IV

## **XII VEND MOTOR REPLACEMENT**

- A. Remove the 2 screws holding the motor mounting plate to the rack (See Figure V).
- B. Pull the cam shaft off the motor, then remove the screws holding the motor to the motor mounting plate.
- C. To install the motor, reverse the process.

**NOTE:** WHEN INSTALLING A NEW MOTOR IT MUST BE CYCLED 2 TIMES WITHOUT CANS. THIS WILL HOME THE MOTOR AND POSITION THE CAMS.

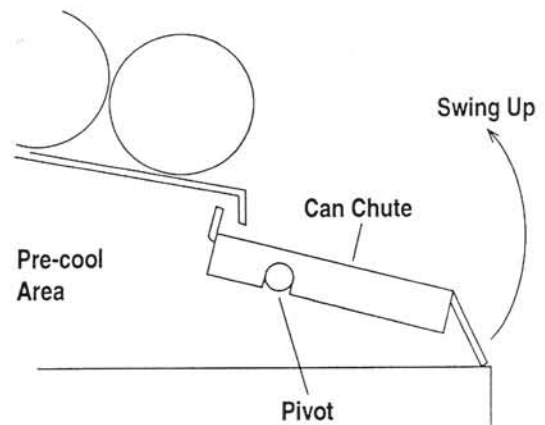
## **XIII SOLD-OUT SWITCH REMOVAL**

- A. Remove the vend motor as indicated in XII.
- B. Remove the wing nut holding the sold-out switch bracket.
- C. Lift the back of the sold-out switch bracket till it clears the stud and slide it to the rear. The switch can now be removed from the rack.

**NOTE:** WHEN REINSTALLING THE SWITCH MAKE SURE THE ACTIVATOR IS NOT IN A BIND AND FREE TO WORK.

## **XIV REMOVING CAN CHUTE**

To remove the can chute or access the pre-cool area, swing the can chute up and remove it from the pivots at each end (see diagram at right).

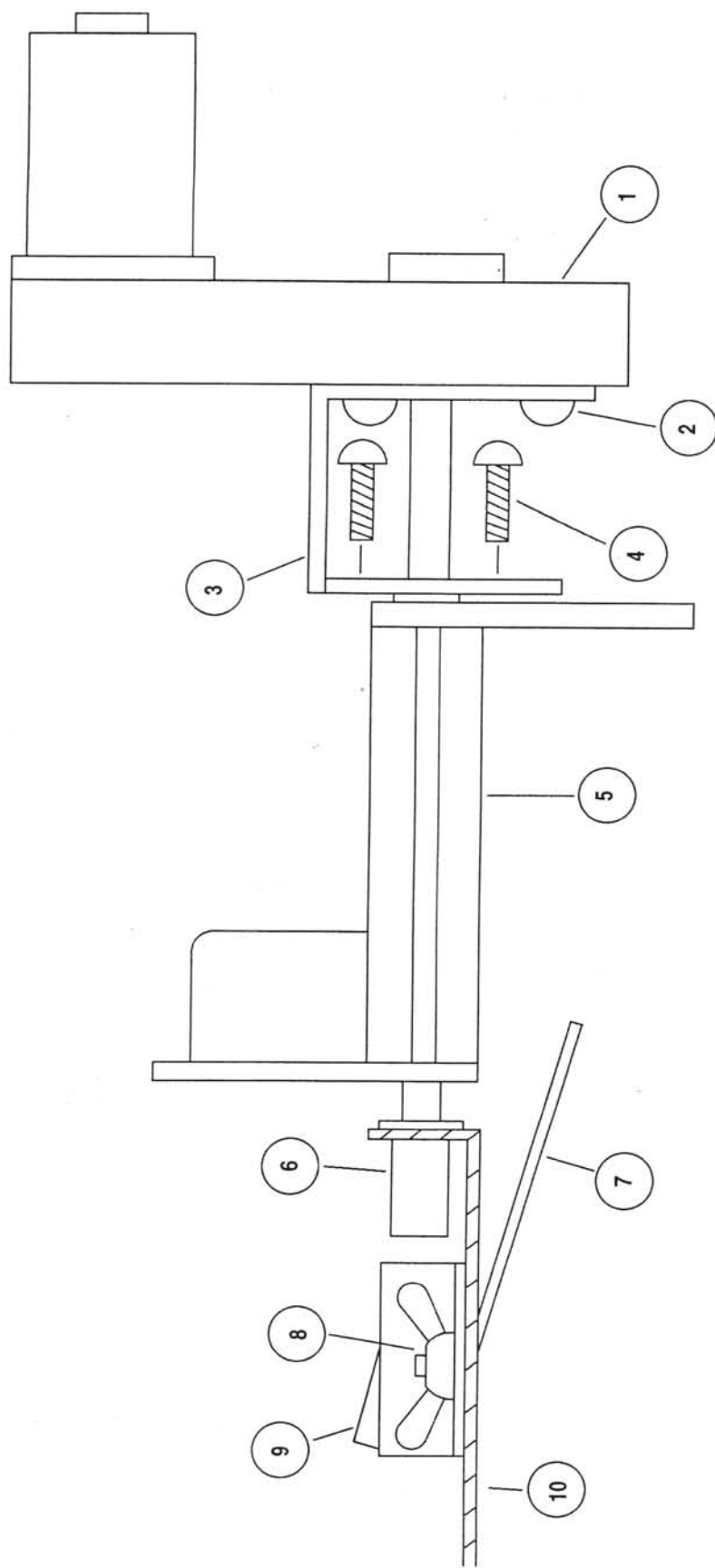


## **XV REMOVING THE DELIVERY DOOR**

To remove the delivery door, slide the pivot rod to the left. That will remove the rod from the retainer in the right hand bracket. Now the delivery door, torsion springs and spacers can be removed.

**CAUTION:** THE TORSION SPRINGS ARE UNDER TENSION.

FIG. V



- 1 - Vend Motor
- 2 - Motor Mounting Screws
- 3 - Motor Mounting Bracket
- 4 - Motor Mounting Bracket Screws
- 5 - Vend Cam Assembly
- 6 - Vend Cam Bushing
- 7 - Sold-Out Switch Activator
- 8 - Wing Nuts
- 9 - Sold-Out Switch Body
- 10 - Lower Rack Support

# APPENDIX I

## ELECTRICAL DIAGRAM

### RCD-5-MDB

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