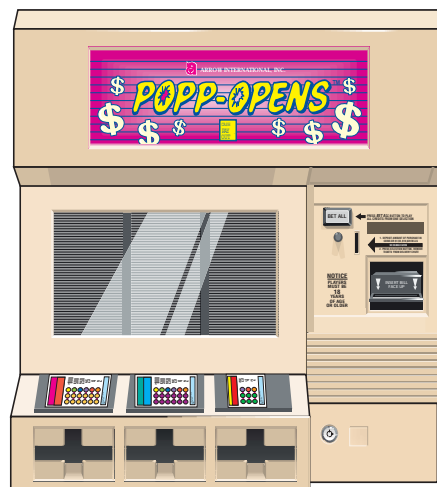
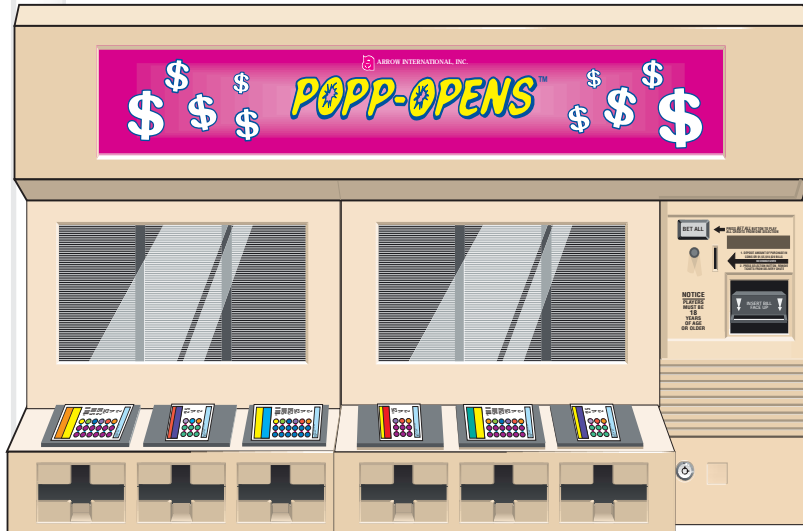


# Popp-Opens™ Pull Tab Dispensing Machine

## Operator's Manual

Arrow International  
Capitol Bingo  
Equipment Division



Thank you for choosing to purchase Arrow International's Capitol Bingo / Popp-Open Equipment. We are confident that you will be completely satisfied with our high quality, durable bingo equipment. Our Capitol Bingo / Popp-Open Equipment has the most technologically-advanced electronics and is designed for easy and reliable operation and trouble-free maintenance by the operator.

**We are proud to announce that we have been given design and safety certification approval on all our bingo equipment from Underwriter's Laboratories, Inc.® (UL®) and Canadian Standards Association. Arrow International, Inc. is the only bingo equipment manufacturer that has earned the UL® and CSA® approval certification. Look for the UL® and CSA® seal of approval on all our Capitol Bingo Equipment.**

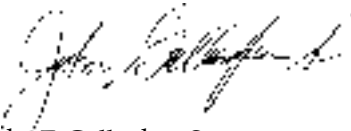
Arrow manufactures the highest furniture quality, hand crafted equipment consoles in the industry. Our metal fabricated steel products are constructed of the finest, heavy duty materials available and guaranteed to withstand many years of use. The Designer Series consoles offer futuristic styling, durable Formica® top and bottom and interchangeable front panels.

This manual introduces you to the many features and benefits of the Popp-Open™ Pull Tab Dispenser. It will take you step by step through unpacking and installing the system. It will show you how to program and operate your new Popp-Open™ Pull Tab Dispenser. Easy to follow instructions and illustrations guide you step by step through routine service and maintenance.

Arrow's hard work and dedication enable us to offer you a breadth of product line that continues to grow. We are proud to offer you the most extensive charitable fund-raising product line consisting of high quality, easy to open Popp-Opens™ tabs; "Top Shelf" banded jar tickets; the largest series of bingo paper available (99,036 Series) in the largest variety of colors, patterns and cuts to meet your game's needs; Tear Opens™; and our popular Wink™, Ink-a-Dot™, Winner's Gold™, Electra Dot™, and Ultima™ bingo markers. Arrow's Player Preferred and UniMax series paper offer such advantages as a minimum of two dabs and often four on every 9 ON sheet and improved distribution of numbers resulting in less jackpot splitting. This dedication to providing an extensive line of high quality products is accompanied by our commitment to satisfying your product needs with fast and trouble-free service.

We value you as a customer and always welcome and appreciate your comments and suggestions to help improve our products. Our best suggestions always come from our game operators and distributors. We want you to always be a satisfied customer, and we will continue to design and improve our products through the valuable feedback received from you and our outstanding network of Arrow Distributors.

Once again, thank you for choosing Arrow International / Capitol for your charitable fund-raising needs.



John E. Gallagher, Sr.  
C.E.O.



VERSION 12-23-94

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## Introduction

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Your new Capitol Popp-Open™ Pull Tab Dispenser was designed using state of the art technology. Its rugged all steel construction, modular design, and exceptional user convenience set it apart from the competition. Benefits include accurate sales recording, complete security, reduced staff requirements, and added variety of tickets to play.

The Popp-Open™ Pull Tab Dispenser features 550 ticket capacity per column, vends 3 or 5 window tickets. Coin acceptor accommodates nickels, dimes, and quarters. Currency validator accommodates \$1, \$5, \$10, and \$20 bills with a 200 bill stacker, "Bet All" button enables the user to play all existing credits from any one column. The "Make other Selection" indicator activates when a column is sold out, there are insufficient credits or an inoperable column. It has quick front loading of tickets. The individual modular ticket columns are easily removed for service without affecting the operation of other columns. Security features include separate keys for tickets and money, a security alarm for discouraging unauthorized access, sale totals permanently stored in the machine's electronic memory and resettable cash accountability by individual dispensing columns. The Popp-Open™ Pull Tab Dispenser will offer many years of trouble free service. However, if a problem should arise, our service department will provide timely response on repairs, spare parts, and technical support.

All trademarks and trade names are the property of their respective companies.

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## Damage Action Process

Your Capitol Bingo Equipment contains delicate electronic equipment. It is imperative that you thoroughly inspect the contents of the package before accepting product delivery from the carrier.

In case of severe damage, refuse the equipment from the carrier. Contact your local Arrow International Distributor for immediate replacement.

If the product is damaged but acceptable, make a note on the bill of lading before accepting. Take a photo of the damage before and after unpacking as a record of claim against the carrier. Contact the carrier's agent immediately for inspection. Be sure to obtain a copy of the inspection report for your records.

If these precautions are not taken, we cannot assist you in recovering the amount of the claim against the carrier.

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# Table of Contents

Introduction .....	3
I. Getting Started .....	5
A. Unpacking .....	5
B. Warranty Assurance .....	5
II. Installation .....	6
A. Preparation .....	6
B. Wood Stud Walls .....	6
C. Metal Stud Walls .....	6
D. Brick/Concrete Walls .....	7
E. Dispensing Machine Stand (optional) .....	7
F. Electrical Installation .....	7
III. System Programming .....	9
IV. Popp-Open Pull Tab Loading .....	10
A. Setting Ticket Guides .....	10
B. Loading the Pull Tabs .....	10
C. Removing Selection Switch Covers .....	10
D. Free Vend Mode .....	11
V. Using the Popp Open Pull Tab Dispenser .....	11
A. Dispensing Pull Tabs .....	11
B. Unloading Coins .....	11
C. Unloading Currency .....	11
VI. Special Functions .....	12
A. Alarm .....	12
B. Accounting .....	12
VII. Service .....	13
A. Bill Acceptor Flash Codes .....	13
B. Removing Bill Box .....	13
C. Changing Lighted Display Assembly Bulb .....	13
D. Changing the Bet All Light Bulb .....	13
E. Removing Coin Mechanism .....	13
F. Changing Belts .....	13
G. Removing the Logic PCB .....	14
H. Setting Coin Mechanism to Accept Canadian Coins .....	14
I. Remove Bill Acceptor Module .....	14
J. Cleaning the Bill Acceptor .....	14
K. Troubleshooting .....	15
L. Electrical Requirements .....	16
VIII. Wiring Diagrams .....	17
Capitol Bingo Equipment Limited Warranty .....	22

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The laws that determine the lawful use of this product change constantly. It is the responsibility of the buyer to determine which products are legal in any given area.  
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 Cleveland, Ohio

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# I. Getting Started

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## A. Unpacking

Arrow International designed your Popp-Open™ Pull Tab Dispensing machine to have a distinctively attractive appearance and we have used careful manufacturing and assembly techniques to preserve this appearance. Each Popp-Open™ Pull Tab Dispensing machine is inspected for scratches, dents or abrasions before packing and is warranted to be free of defects.

The Popp-Open™ Pull Tab Dispensing machine is banded into a heavy cardboard enclosure with foam inserts at each end. This carton is marked with various labels and stampings.

Before opening, closely inspect the carton for evidence of shipping damage such as puncture holes, tears, and crushed edges or corners. Damage to the carton may alert you to damage to the dispensing machine. If damage is detected, refer to the Damage Action Process section (p.3) for procedures.

Use scissors to cut all straps surrounding the carton. Do not use knives or other slitting tools as your cutting utensil. Lay the carton on its side and cut the tape across the bottom. Open the bottom flaps and fold them outward. Stand up and lift the box clear of the dispensing machine. Remove the foam from around the dispensing machine. Open the unit and remove the white foam from behind the ticket window.

Do not destroy or discard carton materials until after final inspection and testing.

At this point, you should inspect the dispensing machine for shipping damage. The dispensing machine should be intact and free of blemishes. All acrylic panels should be in place. Metal panels and their associated switches and parts should be operational. If problems are found in any of these areas, immediately contact your distributor for advice and refer to the Damage Action Process section (p.3) for procedures.

The following accessories can be found inside the coin box of the dispensing machine:

- (1) Pair of keys for ticket compartment (tied to power cord)
- (1) Pair of keys for money compartment (tied to power cord)
- (3-6) Ticket weights
- (10) Screws Phillips 8-32 x  $\frac{3}{8}$ "
- (4) Rubber feet

## B. Warranty Assurance

At this time, please verify the serial number located inside the monetary compartment.

A second warranty card appears on the back cover of the manual. We suggest that you fill out this card and keep the information on hand for future reference.

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**Caution:** This dispensing machine weighs either 85 or 130 pounds. Use care and get assistance before unpacking and lifting. A minimum of two individuals is required for unpacking.

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To validate your warranty, you must complete the enclosed warranty card and return it to Arrow International, Inc. within 30 days of purchase from your Capitol Bingo Equipment Distributor.

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TOOLS AND PARTS REQUIRED FOR WALL MOUNTING THE VENDOR		2 x 4 Studs	Metal Studs	Brick/Concrete
Legend: ■ Required				
<b>TOOLS</b>				
1	Drill	■	■	■
1	1/8" Drill bit	■	■	■
1	7/16" Drill bit	■	■	■
1	7/16" Masonry drill bit	■	■	■
1	Pencil	■	■	■
1	Straight edge	■	■	■
1	Three foot level	■	■	■
1	Ratchet, socket set	■	■	■
1	Hammer	■	■	■
1	Anchor set	■	■	■
<b>PARTS</b>				
3	1/4" x 1-1/2" Hex head lag screws	■	■	■
3	1/4" - 16 x 1" Ackerman/Johnson anchors or similar device	■	■	■
3	1/4" Molly bolts or similar device	■	■	■
	1/4S (short) for 1/2" Wall Board	■	■	■
	1/4L (long) for 3/4" Wall Board	■	■	■
3	1/4" Metal washers	■	■	■

## II. Installation

Before attempting to mount any dispensing machine to the wall, you must first determine the type of wall construction. The dispensing machine can be mounted to walls constructed with 2" x 4" stud wall board construction, metal stud wall board construction, or brick / concrete construction. For each of these wall constructions, the installation is the same except for the wall fasteners and tools required are different. Refer to chart.

Two key hole slots, having 32" centers for six column and 16" for three column are provided in the back of the dispensing machine cabinet for wall mounting with studs having 16" center. An additional hole is provided for securing the installation after the dispensing machine is mounted.

### A. Preparation

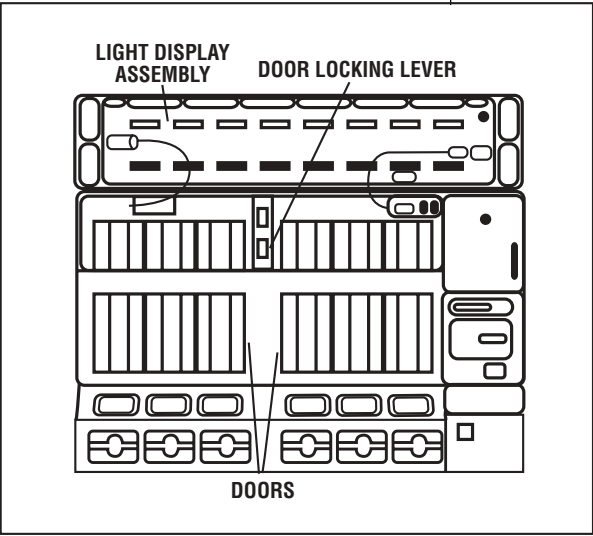
1. Open the dispensing machine by unlocking the vendor module access locks and lift up the lighted display.
2. Lift the door locking lever and swing door open.
3. Unplug and remove the ticket modules (3 or 6). The ticket modules are locked in place by the modules guides and a locating slot on the back lower section. To remove the module, lift the front edge of the module up tilting module back and sliding forward about three inches. Reaching behind the module, firmly grasp and unplug the harness connector from the back of the unit. The unit can then be removed completely from the cabinet.
4. Place the ticket modules where they will be out of the way and stay free of dirt.

### B. Wood Stud Walls

1. Locate the exact center of each stud inside the wall where you are going to mount the dispensing machine.
2. Measure and mark the center of the studs 62" from the floor.
3. Measure the distance between the two marks making sure they are 32" apart for six column and 16" for three column.
4. Using 1/8" drill bit, drill the marked holes approximately 1" deep.
5. Screw (CW) the hex head lag screws into the 2" x 4" to a depth of approximately 1".
6. Set the dispensing machine into place with the help of an additional person.
7. Finish tightening the two lag screws.
8. Check the unit for level.
9. Install a lag screw in the security hole located below the left keyhole.
10. Clean the debris from inside of the dispenser machine cabinet.
11. Reinstall the vending modules.

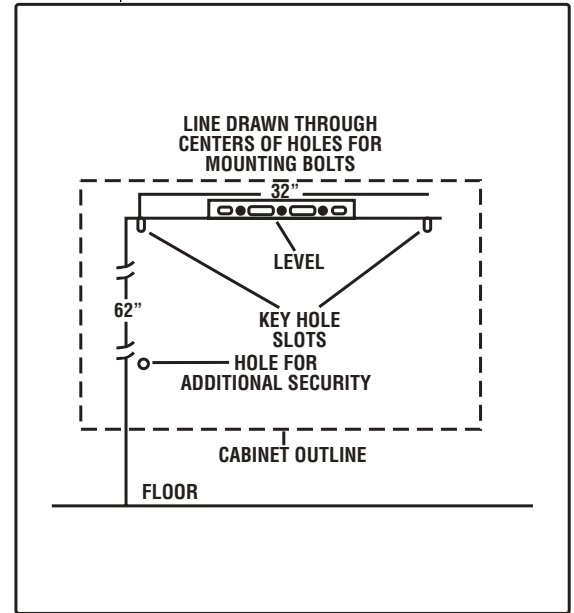
### C. Metal Stud Walls

1. Locate the exact center of each stud inside the wall where you are going to mount the dispensing machine.
2. Measure and mark the center of the studs 62" from the floor.



Note: Drilling holes off-center in the 2" x 4" wall studs may cause the wood to split.

3. Measure the distance between the two marks making sure they are 32" apart for six column and 16" for three column.
4. Using  $\frac{1}{8}$ " drill bit, drill the marked holes.
5. Using  $\frac{7}{16}$ " drill bit, redrill the above holes.
6. Press a Molly bolt into each hole until the bolt is flush with the wall. Tap slightly with a hammer.
7. Tighten down each bolt through the wall board and stud as far as it will go.
8. Loosen each screw approximately  $\frac{1}{4}$ " out of the molly bolt.
9. Set the dispensing machine into place with the help of an additional person.
10. Finish tightening the two Molly bolts.
11. Check for level.
12. Install a Molly bolt in the security hole located below the left keyhole.
13. Clean the debris from inside the dispenser machine cabinet.
14. Reinstall the vending modules.



#### D. Brick/Concrete Walls

1. Measure and mark 62" from the floor where you are going to mount the dispensing machine. This mark is to be 3" from the right side of the dispensing machine.
2. Measure the mark 32" for six column and 16" for three column from the mark above.
3. Measure the mark 62" from floor and intersect line above.
4. Using  $\frac{7}{16}$ " masonry drill bit, drill the marked holes to the appropriate depth.
5. Fit an Ackerman/Johnson anchor into each of the holes. Use an anchor set and hammer to secure the anchor to the wall.
6. Screw (CW) a bolt and washer into each anchor leaving approximately  $\frac{1}{4}$ " sticking out.
7. Set the dispensing machine into place with the help of an additional person.
8. Finish tightening the bolts.
9. Check for level.
10. Install a bolt into the security hole located below the left keyhole.
11. Clean the debris from inside the dispenser machine cabinet.
12. Reinstall the vending modules.

#### E. Dispensing Machine Stand (optional)

1. Set the ticket machine on top of the stand with the help of an additional person.
2. Line up the holes in the bottom of the dispensing machine with those in top of the stand.
3. Using the nuts and bolts supplied with the stand bolt the two sections together.
4. Clean the debris from inside the dispensing machine cabinet.
5. Reinstall the vending modules.

#### F. Electrical Installation

1. Plug the dispensing machine into any 110/120VAC 60Hz grounded power outlet. Refer to page 16 for System Power Requirements and Fusing.

Note: Check for level side to side and front to back to ensure proper operation.

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# NOTES

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### III. System Programming

Located in the top front portion of the dispensing machine are the Door, Mode, and Auxiliary switches. These switches control the modes of operation and the security system. There are five modes of operation. Here we will look at two modes. The price and quantity modes. Each module can be set up to a sales price of \$12.75 in \$0.25 increments. You can also set the numbers of tickets delivered for each sale from 1 through 15.

#### A. Setting the Price/Quantity

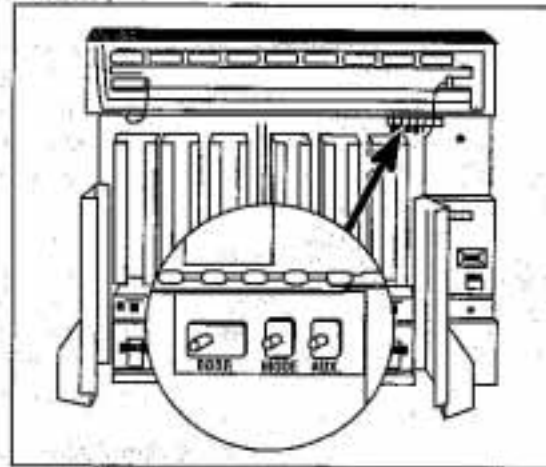
1. Open the dispensing machine by unlocking the vendor module access locks and lift up the lighted display.
2. Press the Mode switch once to disable the alarm.
3. Press the Mode switch two more times to put dispensing machine in Price/Quantity mode. This will be indicated by the letter "P" on the credit display.
4. Press the Selection switch on the ticket module of the column you wish to set/change. The column's current sales price will be displayed on the credit display.
5. The sale price of the individual column can be raised, lowered, or left unchanged. To increase price, press the column selection switch once, the price will now increase in \$0.25 increments. Hold the switch until the desired price appears in the credit display.

To decrease price, press the individual column a second time, the price will now decrease in \$0.25 increments. Hold the switch until the desired price appears in the credit display.

6. Immediately after setting/checking the sales price, press the Auxiliary switch. The current number of tickets per sale will appear on the credit display.
7. The number of tickets per sale can be raised, lowered, or left unchanged. To increase the number of tickets, press the column selection switch once, the number of tickets will now increase in increments of 1. Hold the switch until the desired number of tickets per sale appears in the credit display.

To decrease the number of tickets, press the column switch a second time, the number of tickets will now decrease in increments of 1. Hold the switch until the desired number of tickets per sale appears in the credit display.

8. Continue until all columns are programmed.
9. Test each individual column.

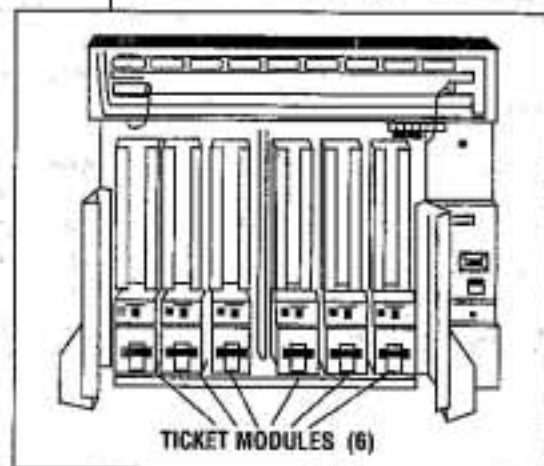


*Note: Any established credit will be cleared while in the service modes. After returning to the sales mode, this credit will be reestablished.*

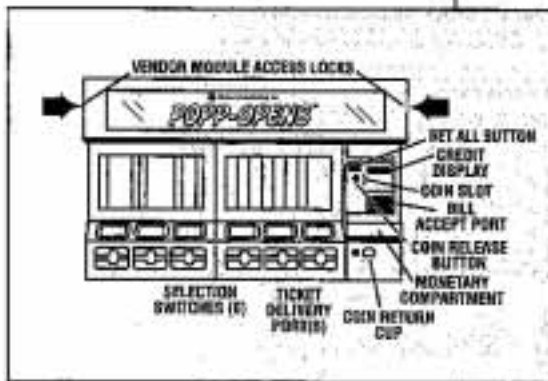


*Note: If no action is taken in 25.5 seconds after entering the load mode, price/quantity, free vend, or machine accountability mode, the vendor will default back to the sales mode.*

*Note: You may "toggle" between price and quantity settings with the auxiliary push button switch.*



## IV. Popp-Open Pull Tab Loading

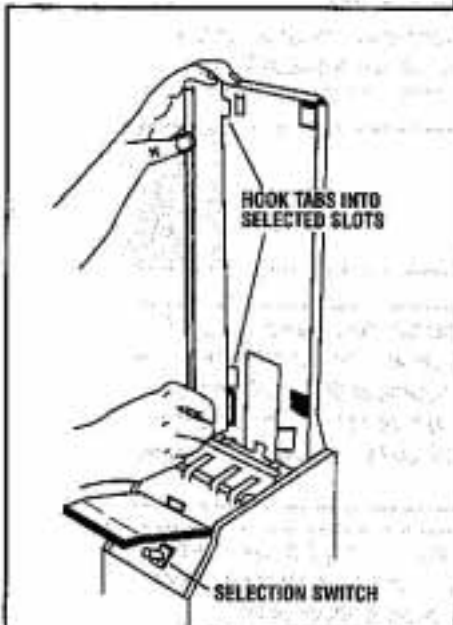


The ticket guides are shipped at the maximum width dimensions of  $4\frac{1}{4}$ ". The left and right ticket guides of the ticket module are adjustable and can be adjusted to accommodate any standard width tickets. They can be adjusted to accommodate a minimum width ticket of  $2\frac{7}{8}$ " to a maximum width of  $4\frac{1}{4}$ ".

The correct positioning of the ticket guides can be checked by placing a ticket between the two guides. There must be enough room to allow tickets to fall evenly. Adjust the guides to the narrowest possible width setting to accommodate the ticket. When repositioning the ticket guides, both guides must be moved to keep the ticket centered in the channel.

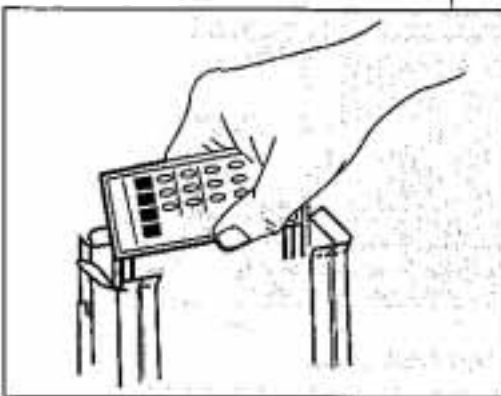
### A. Setting Ticket Guides

1. Open the dispensing machine by unlocking the vendor module access locks and lift up the lighted display.
2. Press the Mode switch once to disable the alarm.
3. Lift the door locking lever and swing open the ticket door(s)
4. Determine the proper width.
5. Grasp the guide firmly at the top and bottom.
6. Lift guide up  $\frac{1}{4}$ " and pull out.
7. Position the guide in the new position.
8. Insert the guide into new slot and pull down  $\frac{1}{4}$ ".
9. Repeat process with the other guide.



### B. Loading the Pull Tabs

1. Open the dispensing machine by unlocking the vendor module access locks and lift up the lighted display.
2. Press the Mode switch once to disable the alarm.
3. Lift the door locking lever and swing open the ticket door(s)
4. Place 10 pull tabs at the top of the column with tab side down and guide them from top to bottom.
5. Ensure that the dispensing machine is in Load mode ("L" shown on the credit display).
6. Press the column switch once.
7. Continue loading pull tabs into the column until  $\frac{1}{4}$ " to  $\frac{1}{2}$ " from the top (550 to 600) pull tabs).
8. Adjust the sleeves of the pull tab weight until slightly less than pull tab.
9. Place this weight on the top of the pull tabs.

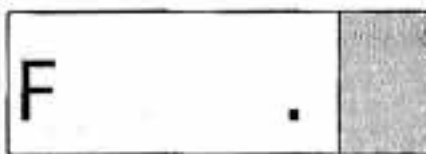


### C. Removing Selection Switch Covers

1. Open the dispensing machine by unlocking the vendor module access locks and lift up the lighted display.
2. Lift up the door locking lever and swing open the ticket door(s)
3. Squeeze clear plastic tabs on the back of desired selection switch cover
4. Remove the selection switch cover

#### D. Free Vend Mode

1. Open the dispensing machine by unlocking the vendor module access locks and lift up the lighted display.
2. Press the Mode switch once to disable the alarm.
3. Press the Mode switch a second time to put unit in Free Vend mode. While in this mode, pull tabs can be dispensed without any money simply by pressing the selection switch on the modules.



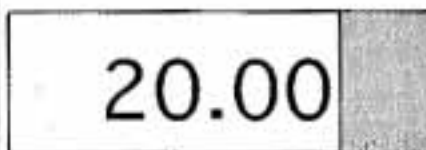
## V. Using the Popp Open Pull Tab Dispensing Machine

#### A. Dispensing Pull Tabs

1. Insert your money into the ticket dispenser. You may put nickels, dimes, or quarters into the coin slot and/or \$1, \$5, \$10, \$20 bills into the bill acceptor. The proper credit should be shown on the credit display. You may insert money until \$200 in credit is reached.
2. Select the Popp-Open™ Pull Tabs you want. You may press the "Bet All" switch to select all your credits in one Pull Tab or press the individual Pull Tab selection switches to receive a variety of Pull Tabs.

You must use all your credits as no change is provided.

3. Repeat steps 1 and 2 if desired.

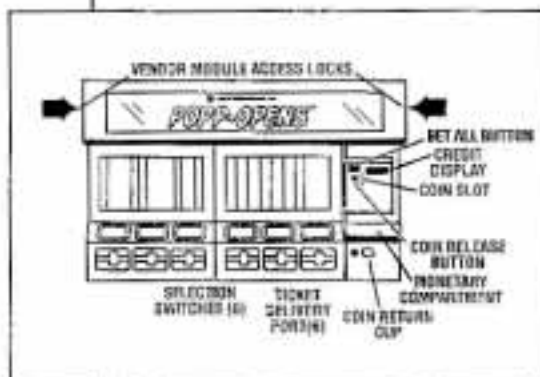


#### B. Unloading Coins

1. Unlock coin door located at the bottom right of cabinet
2. Lift the coin box 1/4" to clear the notch
3. Slide the coin box forward and out of the dispensing machine
4. Empty coin box
5. Replace coin box and secure ticket dispenser machine

#### C. Unloading Currency

1. Unlock the vendor module access locks
2. Lift up lighted display assembly
3. Unlock the monetary compartment door
4. Lower the monetary compartment door
5. Squeeze the top metal tab
6. Lower door on bill box door
7. Remove the currency
8. Close the bill box and secure the ticket dispenser machine



## VI. Special Functions

### A. Alarm Mode

The dispensing machine is equipped with a Security Alarm designed to activate after the door has been opened. To disable the alarm when you first plug the dispensing machine into the wall outlet with the doors open or whenever you open the doors to service the dispenser machine, press the Mode switch within ten seconds. To deactivate the alarm, disconnect the power from the dispenser machine. After the alarm has shut off, reconnect the power to the unit and press the Mode switch.

### B. Accounting Modes

These modes allow you to track the sales of the complete dispenser machine and/or the individual pull tab columns. The auditing system will record and display the total sale of pull tabs through the dispenser machine up to \$9,999,999.75. It is alternately displayed on the credit display with a high and low register.



0411.95

When the money is removed from the dispensing machine this number should be recorded. If the previous number is subtracted from this number the difference should equal the amount of money just removed from the dispensing machine.



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The individual sales for each column can also be tracked. When in the Accounting Mode press the individual selection switch. This will display the total in dollars of pull tabs sold since the unit was last checked. To reset the individual module's auditing system back to zero, press the auxiliary switch while the dollar sales of that particular module is being displayed. The number of ticket can be calculated by dividing the sales by the price of that pull tab.

## VII. Service

### A. Bill Acceptor Flash Codes

1. Bill box full
2. Bill box off/open
3. Check bill path
4. All bill accept switches off
5. Bill jam
6. Or more, reset, or service required

### B. Removing Bill Box

1. Unlock vendor module access locks
2. Lift up lighted display assembly
3. Unlock the monetary compartment door
4. Lower the monetary compartment door
5. Press bottom black plastic tab while pulling bill box forward  $\frac{1}{4}$ "
6. Lift bill box up and out of dispenser

### C. Changing Lighted Display Assembly Bulb

1. Unlock vendor module access locks
2. Lift up light display assembly
3. Unscrew (CCW) the two thumbscrews
4. Lower light support assembly
5. Rotate light bulb 90 degrees
6. Remove bulb
7. Insert new bulb F15T12/CW Arrow part #41306 for 18" 41307 for 36"
8. Reassemble the light display assembly
9. Secure the ticket dispenser machine

### D. Changing the Bet All Light Bulb

1. Unlock vendor module access locks
2. Lift up light display assembly
3. Unlock the monetary access door
4. Lower the monetary access door
5. Firmly grasp lamp assembly at the red and black wire and rock unit back and forth until unit releases
6. Remove old bulb by pulling bulb out
7. Insert new bulb, use GE658 wedge base lamp Arrow part #41308

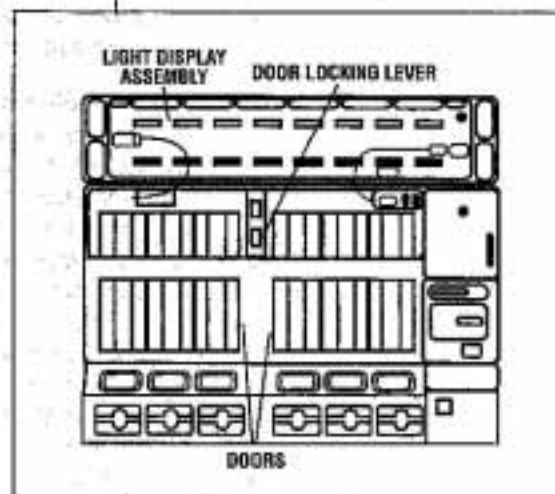
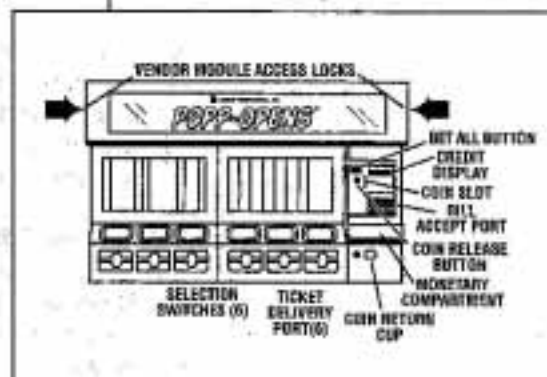
### E. Removing Coin Mechanism

1. Unlock vendor module access locks
2. Lift up the light display module
3. Unlock coin access door located bottom right of ticket dispenser
4. Unlock the monetary compartment door
5. Lower monetary compartment door
6. Using palm of hand, press bottom of coin mechanism up  $\frac{1}{4}$ "
7. Using the other hand, lift coin mechanism up and to the right
8. Remove the coin mechanism from the cabinet (Coin mechanism is Arrow part #42622)

### F. Changing Belts

1. Remove ticket module from the dispensing machine

*Caution: Always unplug the Popp-Open™ Pull Tab Dispensing Machine System before performing any type of maintenance.*



2. Remove the left and right ticket guides
3. Lift module cover plate
4. Remove the retaining clip from rear drive shaft and slide shaft to the left 1"
5. Remove the retaining clip from the front shaft and slide shaft to the left 1"
6. Change the belt, Arrow part #40214
7. Reassemble the ticket module

#### **G. Removing the Logic PCB**

1. Unlock vendor module access locks
2. Lift up light display assembly
3. Unlock monetary compartment door
4. Lower the monetary compartment door
5. Remove four nuts with  $\frac{5}{16}$ " nut driver
6. Remove the seven cables from the PCB
7. Remove the PCB, Arrow part #419043

#### **H. Setting Coin Mechanism to Accept Canadian Coins**

1. Remove the coin acceptor from the ticket dispenser machine
2. Hold the acceptor with gate facing you
3. Locate in the center of the acceptor there is a stick magnet  $\frac{1}{2}$ " long by  $\frac{1}{8}$ " wide
4. Using a small slotted screwdriver move the magnet away from the metal at its end and slide it all the way back in its plastic bore
5. Turn the unit over
6. Locate the second stick magnet
7. Using a small slotted screwdriver move the magnet away from the metal at its end and slide it all the way back in its plastic bore

#### **I. Remove Bill Acceptor Module**

1. Unlock the vendor module access locks
2. Lift up the light display module
3. Unlock monetary access door
4. Press lower black plastic tab
5. Pull bill box  $\frac{1}{4}$ " forward
6. Lift bill box up and out of ticket dispenser
7. Using  $\frac{5}{16}$ " nut driver remove the four nuts
8. Firmly grasp the bill acceptor logic module and pull to release Velcro
9. Disconnect the cable from bill acceptor logic module
10. Remove the module from the cabinet. Bill Acceptor is Arrow part #42623

#### **J. Cleaning the Bill Acceptor**

The bill acceptor needs to be cleaned after every ten thousand pull tabs or whenever you start experiencing problems. Follow the instructions included with the bill acceptor cleaning kit. Usually this will consist of moistening a pad with a cleaning solution and inserting into the bill acceptor a couple of times.

After every ten thousand pull tabs or every three months the inside of the ticket dispenser machine should be vacuumed to remove all the dust. Open the ticket dispenser and use vacuum with wand attachment to clean.

—Troubleshooting Table —  
Dispenser

PROBLEM	CAUSE	CORRECTIVE ACTION
<ul style="list-style-type: none"> <li>No display or control lights</li> </ul>	<ul style="list-style-type: none"> <li>Unit not plugged in</li> <li>Tripped service breaker</li> <li>Defective power outlet</li> </ul>	<ul style="list-style-type: none"> <li>Plug dispenser into 120VAC 60HZ grounded power outlet</li> <li>Reset building power service breaker</li> <li>Have electrician repair/replace outlet as deemed necessary</li> </ul>
<ul style="list-style-type: none"> <li>No response to ticket selection switch</li> </ul>	<ul style="list-style-type: none"> <li>Selected column out of Pull Tabs</li> <li>Insufficient credits</li> <li>Pull Tabs jammed or improperly loaded</li> <li>Ticket module not plugged in</li> <li>Defective ticket module</li> <li>Defective logic pcb</li> </ul>	<ul style="list-style-type: none"> <li>Make another selection or have ticket dispenser refilled</li> <li>Put more money into ticket dispenser</li> <li>Open the ticket dispenser, clear the jam and check loading of tickets, refer to page 10</li> <li>Open the ticket dispenser, check connection and back of ticket vendor module</li> <li>Open the ticket dispenser and replace the defective module, refer to page 10</li> <li>Replace dispenser logic pcb, refer to page 14</li> </ul>
<ul style="list-style-type: none"> <li>No response to Bet All switch</li> </ul>	<ul style="list-style-type: none"> <li>Defective Bet All switch</li> <li>Defective logic pcb</li> </ul>	<ul style="list-style-type: none"> <li>Replace switch with Arrow part #42539, refer to page 13</li> <li>Replace logic PCB, refer to page 14</li> </ul>
<ul style="list-style-type: none"> <li>No display lights</li> </ul>	<ul style="list-style-type: none"> <li>Bulb burned out</li> </ul>	<ul style="list-style-type: none"> <li>Replace bulb with a F15T12, refer to page 13</li> </ul>
<ul style="list-style-type: none"> <li>No Bet All light</li> </ul>	<ul style="list-style-type: none"> <li>Bulb burned out</li> </ul>	<ul style="list-style-type: none"> <li>Replace bulb with a GE568, refer to page 13</li> </ul>
<ul style="list-style-type: none"> <li>Incorrect number of Pull Tabs dispensed</li> </ul>	<ul style="list-style-type: none"> <li>Incorrect setup</li> <li>Defective logic pcb</li> </ul>	<ul style="list-style-type: none"> <li>Run setup, check price and quantity, adjust dispenser door if necessary, refer to page 9</li> <li>Replace logic pcb, refer to page 14</li> </ul>
<ul style="list-style-type: none"> <li>Pull Tabs dispensed from incorrect column</li> </ul>	<ul style="list-style-type: none"> <li>Dispenser door out of adjust</li> <li>Defective logic pcb</li> </ul>	<ul style="list-style-type: none"> <li>Check level of ticket dispenser, adjust dispenser door is necessary</li> <li>Replace logic pcb, refer to page 14</li> </ul>
<ul style="list-style-type: none"> <li>Ticket dispenser not accepting currency</li> </ul>	<ul style="list-style-type: none"> <li>Currency inserted incorrectly</li> <li>Poor condition of currency</li> <li>Bill Acceptor full</li> </ul>	<ul style="list-style-type: none"> <li>Insert currency with bill up facing to right, check demonination and country</li> <li>Try another bill</li> <li>Empty the bill acceptor, refer to page 11</li> </ul>

**—Troubleshooting Table -Con't—  
Dispenser**

PROBLEM	CAUSE	CORRECTIVE ACTION
	<ul style="list-style-type: none"> <li>• Bill Acceptor jammed</li> <li>• Bill Acceptor dirty</li> <li>• Defective Bill Acceptor</li> </ul>	<ul style="list-style-type: none"> <li>• Clear jam, refer to page 14</li> <li>• Clean Bill Acceptor, refer to page 14</li> <li>• Replace Bill Acceptor, refer to page 14</li> </ul>
<ul style="list-style-type: none"> <li>• Ticket dispenser not accepting coins</li> </ul>	<ul style="list-style-type: none"> <li>• Poor condition of coin</li> <li>• Incorrect value of coin</li> <li>• Coin mechanism jammed</li> <li>• Defective coin mechanism</li> <li>• Defective logic pcb</li> </ul>	<ul style="list-style-type: none"> <li>• Try another coin</li> <li>• Use correct value</li> <li>• Clear jam, refer to page 13</li> <li>• Replace ticket mechanism, refer to page 10</li> <li>• Replace logic pcb, refer to page 14</li> </ul>
<ul style="list-style-type: none"> <li>• Ticket dispenser accepting money, not giving proper credits</li> </ul>	<ul style="list-style-type: none"> <li>• Defective Bill Acceptor</li> <li>• Defective logic pcb</li> </ul>	<ul style="list-style-type: none"> <li>• Replace Bill Acceptor, refer to page 14</li> <li>• Replace logic pcb, refer to page 14</li> </ul>

**L. Electrical Requirements**

For indoor use only. Do not defeat the ground terminal of power cord.

*Caution: For continued protection against risk of fire, replace only with the same type of fuse having the same electrical ratings.*

*Attention: Remplacer par un fusible de meme type.*

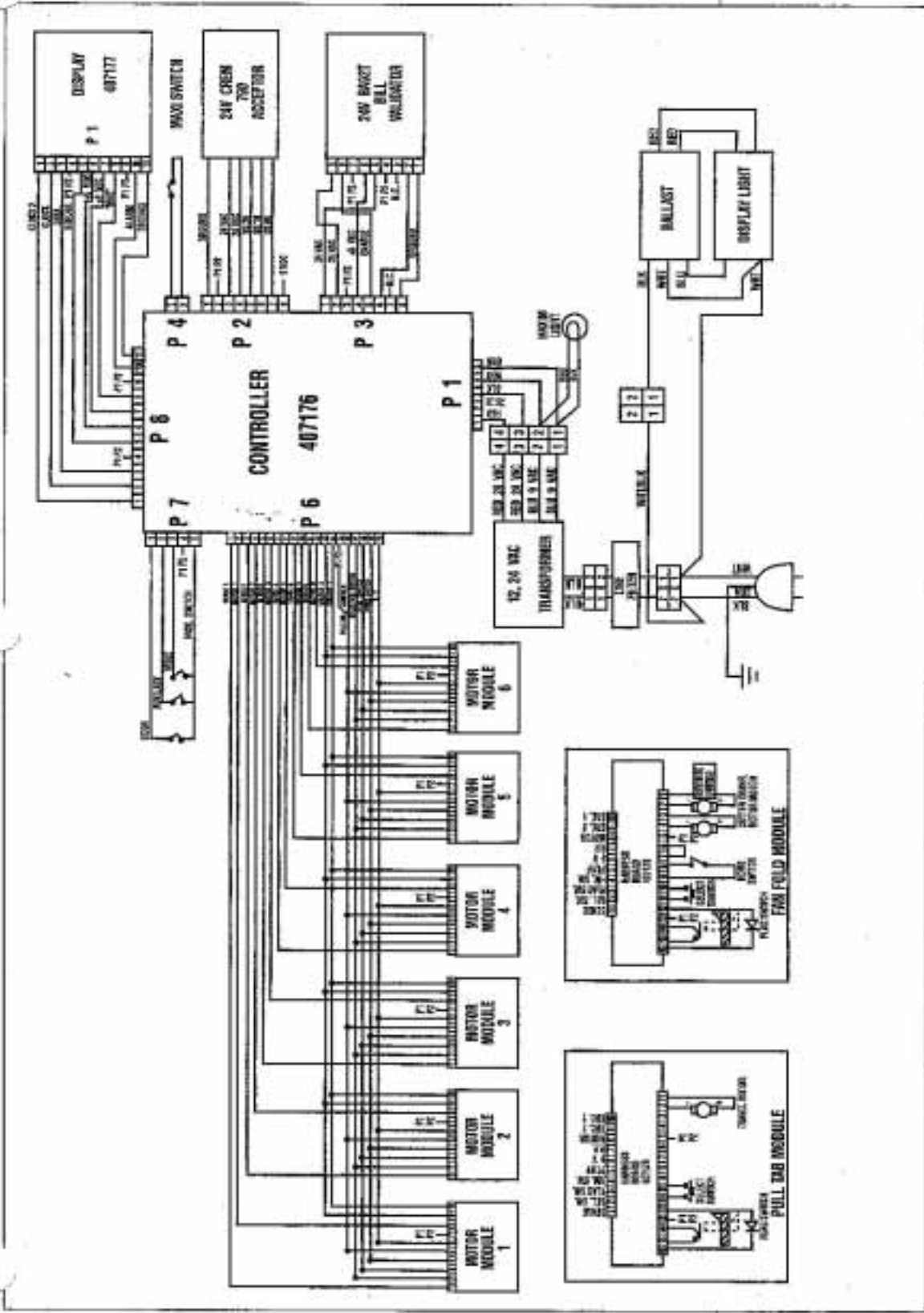
**Use a 10 Amp minimum service**

46775 27" H x 43"W x 12"D  
Weight: 130lbs

46770 27" H x 26"W x 12"D  
Weight: 85lbs



# VIII. Wiring Diagrams



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# NOTES

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# NOTES

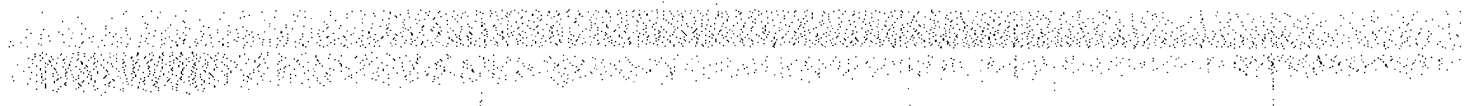
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# NOTES

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ASD



# NOTES

PROPERTY OF POPPERMAN, INC.

2000

# Capitol Bingo Equipment Limited Warranty

Set out below are the terms of the Limited Warranty made by Arrow International, Inc. ("Arrow") in connection with the sale of the Capitol Bingo Equipment (the "Equipment").

## 1. Limited Warranty

Arrow warrants to the original purchaser ("Purchaser") that the Equipment will, for a period of ONE YEAR from the date of original purchase of any equipment in the product line from an authorized Arrow dealer, be free from manufacturing defects in material and workmanship. Purchaser represents to Arrow that no employee, agent, or representative of Arrow (or of an Arrow dealer) has made any representation or warranty regarding the Equipment except as set out herein. Does not include consumable items such as filters or bulbs.

THE WARRANTY CARD MUST BE COMPLETED AND RETURNED TO ARROW WITHIN 30 DAYS OF PURCHASE FROM AN AUTHORIZED CAPITOL BINGO EQUIPMENT DISTRIBUTOR FOR THIS LIMITED WARRANTY TO BE EFFECTIVE. A purchase receipt or other proof of date of original purchase must be submitted with the Warranty Card and will be required before warranty service is rendered.

This Limited Warranty applies to normal commercial use and does not cover damage which occurs in shipment; failures which are caused by products not supplied by Arrow, failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, set-up adjustments or modifications. This Limited Warranty does not cover any damage to the Equipment resulting from failure to install in strict conformity with both local fire and building codes and regulations, or if installation does not comply with the installation instructions provided by Arrow.

## 2. Disclaimer of Warranties

Arrow makes no warranties, express or implied (including, without limitation, merchantability, fitness for particular purpose, or against infringement of any patent), except as expressly provided herein. The express warranties provided herein are in lieu of and exclude all other warranties, guarantees or representations, express or implied, whether arising by operation of law or otherwise.

## 3. Limitation of Remedies

If the Equipment supplied does not conform to the Limited Warranty set out above, Arrow will, at its option, (a) repair or replace the Equipment, or part thereof, which is defective or (b) refund so much of the purchase price as Purchaser has paid for the defective Equipment, less 1/12 of the purchase price for each month between the date of the purchase from an authorized Arrow dealer and the date of the discovery of the defect, provided that written notice of the defect and its nature is given to Arrow as soon as practical after discovery of the defect, but in no event later than 90 days from the date of the discovery of the defect.

## 4. Limitation of Liability

The remedy of repair, replacement, or refund of the purchase price is Purchaser's sole and exclusive remedy and will satisfy all of Arrow's liabilities, whether based on contract, negligence, tort, product liability, strict liability, or otherwise. IN NO EVENT WILL ARROW BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, NOR WILL ITS LIABILITY IN CONNECTION WITH ANY EQUIPMENT OR SERVICE SOLD (INCLUDING NONDELIVERY OR LATE DELIVERY THEREOF) EXCEED THE SALES PRICE OF SUCH EQUIPMENT OR SERVICE.

## 5. Warranty Voided

Any obligations of Arrow under this Limited Warranty will be deemed to have been satisfied if anyone other than an authorized Capitol Bingo Equipment Dealer services the Equipment.

## 6. Transfer of Limited Warranty

Purchaser may transfer its rights under this Limited Warranty, subject to the terms and conditions hereof, to a buyer ("Buyer") from Purchaser of the Equipment. Thereafter, the rights under this Limited Warranty are not transferable. For the transfer by Purchaser of the Limited Warranty to be effective, the following conditions must have occurred no later than the 30th day following the date of resale to Buyer:

- Purchaser must have complied with all requirements to make the Limited Warranty effective as to Purchaser;
- The Equipment (as an entire unit and as purchased by Purchaser) must be transferred to Buyer; and
- Purchaser must have submitted a new warranty card together with proof of purchase by Buyer from Purchaser.

Upon an effective transfer of this Limited Warranty, Buyer will be considered to be "Purchaser" for paragraphs 1 and 4 hereof.

## 7. Inspection

With respect to any claim that the Equipment is defective, Arrow will be allowed a reasonable time to inspect the Equipment, in place. If the Equipment is altered or removed before Arrow has made such inspection or waived its right to do so, the obligations of Arrow will be deemed to have been satisfied.

## 8. Limitation of Actions

Any legal action against Arrow for a default of its obligations under this Limited Warranty must be commenced within two years from the date the Equipment was sold by an authorized dealer of the Equipment.

## 9. How to Obtain Service

If a problem with this Equipment develops during or after the warranty period, proceed as follows:

- Refer to your Operator's Manual and follow the Troubleshooting Table within the "Service Section."
- Contact the authorized Capitol Bingo Equipment Distributor from whom you purchased the Equipment.
- Contact the Capitol Bingo Equipment Service Manager at the most convenient phone number listed below:

- 1 (800) 321-0757 outside Ohio, but within the U.S.A.
- 1 (800) 537-3479 within the state of Ohio
- 1 (216) 961-3500 within the 216 area code or outside the continental U.S.A.
- 1 (216) 961-3641 fax number in Cleveland, Ohio

SERVICE CALLS WHICH DO NOT INVOLVE DEFECTIVE MATERIALS OR WORKMANSHIP AS DETERMINED BY ARROW IN ITS SOLE DISCRETION, ARE NOT COVERED. COST OF SUCH SERVICE CALLS ARE THE RESPONSIBILITY OF THE PURCHASER.

Arrow wants you to remain a satisfied customer. If a problem occurs that cannot be resolved to your satisfaction, please contact us immediately. Phone one of the numbers listed above or write to:

Capitol Bingo Equipment Division  
c/o National Service Manager  
9900 Clinton Rd.  
Cleveland, Ohio 44144

Please be sure to include the name, model number, serial number, date of original purchase, and the distributor from whom you purchased the Equipment, as well as any actions taken to correct the problem.

**Capitol**<sup>®</sup>

**BINGO EQUIPMENT**  
From **BARROW INTERNATIONAL**

**HIGH QUALITY EQUIPMENT MANUFACTURED  
TO BE YOUR FOUNDATION FOR SAFETY,  
RELIABILITY AND SERVICE**

**C** *ompetitively Priced - Value / Quality*

**A** *pproved by Underwriters Laboratories<sup>®</sup> (UL) and  
the Canadian Standards Association<sup>®</sup> (CSA) - Safety*

**P** *roduct Variety - Widest Selection*

**I** *ntegrity thru Verification - Honesty*

**T** *imely Delivery - Dependability*

**O** *perator's Warranty - Reliability*

**L** *ocal Distributors - Quality Service*

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THE ONLY BINGO EQUIPMENT TO EARN THE UL AND  
CSA MARKS OF APPROVAL.

NEW AND IMPROVED WARRANTIES ON OUR SYSTEMS.

VERIFICATION ADDS TRUST AND INTEGRITY TO YOUR GAME.

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**PROTECT YOUR INVESTMENT**

# WARNING:

You must complete and return the enclosed warranty card immediately in order to insure proper warranty coverage.

This manual was accurate at the time of printing. Arrow International reserves the right to make changes due to changing technology and regulations.

Please consult your distributor or Arrow International Inc. for any discrepancies.

MANUAL US TICKET DISPENSER



48306



CUSTOMER WARRANTY CARD	
CAPITOL BINGO EQUIPMENT OWNER REGISTRATION CARD	
Model No. _____	PCB No(s) _____
Serial No. _____	Date Purchased _____
Distributor Purchased From _____	
Name of Organization _____	
Address _____	Phone ( ) _____
City _____	State _____ Zip _____
Chairman _____	
Address _____	Phone ( ) _____
City _____	State _____ Zip _____
Additional Information (Optional) _____	<b>ATTACH PROOF OF PURCHASE DATE</b>
Purchase Price _____	Average Attendance _____
No. Of Night Games Played _____	
Time Games Played _____	Average Spending Per Person _____

## ARROW INTERNATIONAL, INC.

and our subsidiaries

CAPITAL GAME MANUFACTURING

METRO GAME MANUFACTURING

9900 Clinton Rd., Cleveland, Ohio 44144

1 (800) 321-0757 outside Ohio, but within the U.S.A.

1 (800) 537-3479 within the state of Ohio

1 (216) 961-3500 within the 216 area code or outside the continental U.S.A.

1 (216) 961-3641 FAX

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