

KING'S CROWN™
ticket dispenser

For Keypad Models



Operators Manual

www.bingoking.com

King's Crown™ Pull Tab Dispensing Machine

For Keypad Models

Version 1.0

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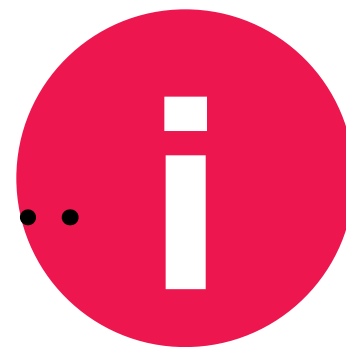
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Introduction



Your new King's Crown™ Pull Tab Dispenser is 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, high speed dispensing, and the capability to play a variety of tickets.

The King's Crown Pull Tab Dispenser features 1000 ticket capacity per column, vends one, three, four, five, or six window tickets.

The King's Crown Pull Tab Dispenser offers quick front loading of tickets, and individual modular ticket columns that may be easily removed for service without affecting the operation of other columns.

Ticket counts are stored in both resettable and non-resettable electronic memory, and are backed up by non-resettable electro-mechanical meter. The electronic memory will hold even when power has been disconnected.

The King's Crown Pull Tab Dispenser offers many years of trouble-free service. However, should a problem arise, our service department will provide timely response on repairs, spare parts, and technical support.

Information in this document pertains to this release of the Bingo King Co. Inc. King's Crown™ Pull Tab Dispenser. Modifications are periodically made to the information; any such changes will be reported in subsequent revisions.

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

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



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DAMAGE ACTION PROCESS

Your Bingo King Co. 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 Bingo King 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.

Overview

Chapter

1

Read this manual completely before you begin. The information provided in this document describes the procedures required for successful operation of this unit.

Throughout this manual, you will see . Pay particular attention to these sections. If you do not follow the instructions correctly, you may adversely affect the operation of your dispenser.

What You Should Know

Before you begin, familiarize yourself with the information in this manual and your model of King's Crown™ Pull Tab Dispenser. Note the following important details:

- The handheld remote keypad is used to maintain the unit.
- You must have a valid Personal Identification Number (PIN) to maintain the unit.
- You should not share your PIN number with others.
- Operators cannot dispense tickets if the machine door is unlocked.
- If you have any questions, call your Bingo King Co. distributor or Bingo King Co. for assistance.

Important Safety Information



Some caution must be exercised when using the King's Crown™ Pull Tab Dispenser. Be sure to read and understand the following important information to ensure safe and prolonged operation of the unit:

- Do not install or use the machine near water or moisture. Take care not to spill any liquids on the machine.
- Do not use any abrasive materials or solvents to clean the machine.
- Do not drop retaining plates in between the ticket columns when removing. A short circuit could result, causing serious damage to the product.
- Do not spill oil on the rubber surfaces of the rollers when lubricating.
- Do not use a metal crevice tool to vacuum the inside of the unit unless the power is off.
- Use a plastic crevice tool to vacuum inside the unit when the machine is plugged in.
- Use a soft damp cloth with a drop of liquid fabric softener to clean the glass on the unit.
- Use any light lubricant in a precision oiling tool to lubricate the rollershafts, transfer bottom shaft and the chute door.

Unpacking

To unpack your dispenser, set box upright on a firm level surface. Cut the shipping straps, and lift off the top and remove packaging material. Now dispenser can be moved from the bottom carton to the permanent location.

Take note of the remote keypad unit, keys and the manual to keep in a safe place.

In order to protect the columns and main door glass during shipping, the adjustable backs of the columns have been taped in place. You should remove the tape before using your dispenser so that you can properly adjust the columns for different ticket lengths. Unlock the main door with the keys supplied, and carefully peel off the tape on the sides of each column.

Whether you wall mount or surface mount the dispenser, keep in mind that a 4-column unit weighs 110 pounds, and an 8-column unit weighs 190 pounds. Use care and get assistance before unpacking and lifting. A minimum of two people are required.

Check Your Shipment

First, ensure that your shipment contains the following:

- The correct model of the King's Crown™ Pull Tab Dispenser which you have ordered
- Power supply for ticket dispenser
- Two keys to open the cabinet doors
- One H-shaped retaining plate per dispensing column
- Leveling feet (you receive four leveling feet with a four column dispenser and eight leveling feet with an eight column dispenser)
- Keypad remote

Contact your local Bingo King Co. distributor if you do not have any of the above items.

NOTE:

In order to validate your warranty, you must present proof of purchase to the Bingo King Co. Keep a sales receipt or invoice to protect your investment. (See warranty section for details on page 34).

Installation

Chapter

2

Choosing a Location

Before using your King's Crown™ Pull Tab Dispenser, you must ensure that it is properly installed and ready for use. It is important that you position the unit in a safe and secure location. Make sure that your location:

- Provides accessibility to an electrical outlet to plug in the unit.
- Remains dry.
- Provides a level surface on which to place the unit when choosing to operate the unit from a table, counter or shelf.
- Provides ample room for both the upper and lower cabinet doors to swing open to the left, to the right, or both.

Wall-Mounting the Unit

If you decide to wall-mount the unit, choose a location that allows you to open both the upper and lower cabinet doors after the unit has been mounted. Note that each four-column model weighs approximately 110 pounds before any tickets are loaded. Keep this in mind when deciding where to mount the unit. Also, consider that the height of individual users varies when deciding how high to place the unit.

The unit is designed for wall-mounting based on a 16 inch stud spacing (4 column machine). You require four 5/16 inch diameter lag bolts (or a bolt to fit your wall application) and a socket wrench with extension. Open the cabinet doors. Insert the lag bolts through the mounting eyes in the back of the unit and secure the bolts into the wall.

Surface Mounting the Unit

The dispenser is easily installed on a level surface like a table, counter or shelf. If your surface is not completely level, you can adjust the unit using the leveling feet provided. The leveling feet also protect the surface on which you mount the unit.

Secure the unit to its location using lag bolts or nuts and bolts. Each leg contains a hole designed to allow you to secure the unit in place with a 5/16 inch bolt.

Opening the Cabinet Doors

The upper cabinet door contains two locks for security. You must unlock the upper door before opening the lower cabinet door. To open the lower cabinet door, release the lever on the latch located just above the lower cabinet door.

About the Alarm

The King's Crown Pull Tab Dispenser will alarm to alert the seller that there was a problem with delivering the tickets. Normally the alarm will sound due to a column running out of tickets during delivery. (See page 17 for details on how to handle and clear alarm situations)

Preparation

Turning On the Unit

Once the machine is safely secured to a surface:



1. Attach the power supply connector to the left side of the machine. This connector only fits in one way: **do not use force**. Plug in the power supply (plug) to a 120V outlet. **It is recommended that you plug your dispensing machine into a surge-protected circuit or use a good quality surge-protected power bar.**
2. Attach the keypad unit's modular connector into the receptacle on the left hand side of the machine. (Next to the screw on power connector.)
3. Press the On/Off switch located under the unit on the left-hand side. (The keypad LCD backlighting and the interior cabinet lighting will turn on when the unit is switched on.)
4. Unlock and open the cabinet doors.
5. Enter your four digit PIN number:

ENTER PIN NUMBER

Note that the King's Crown Pull Tab Dispenser is pre-programmed with PIN number 1000.



If this is the first time you are using the dispenser, you must set the column ticket prices before you can dispense tickets. If you lock the cabinet door before establishing ticket prices, the LCD displays the following:

**PRICING NOT SET
GO TO SERVICE**

You must unlock the cabinet door and set the ticket pricing. See page 13 for details.

If the cabinet door is locked and ticket pricing is set, you can dispense tickets.

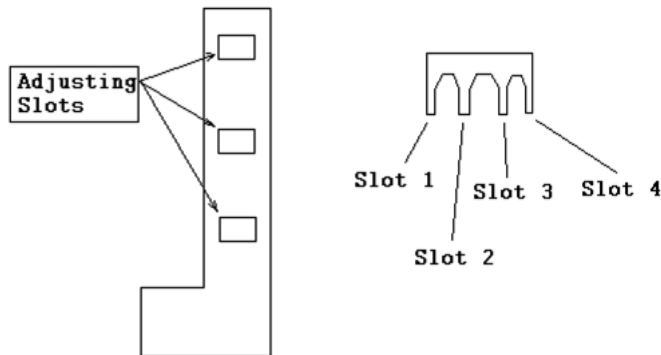
Turning Off the Unit

Use the On/Off switch located on the bottom left corner of the machine to turn off the unit. Turning off the unit does **not** affect any of the column price settings, electronic totals or PIN number entries.

Loading Tickets

The King's Crown™ Pull Tab Dispensers can be adapted to fit one window, three window, four window, five window, and six window ticket types, where approved by the government. The tickets vary in size. You can adjust each column to the appropriate ticket size and load up to 1000 tickets per column.

1. **Adjust the dispensing column size**, if necessary. Use the tabs located on the back of each column to make the adjustment.
 - Pinch the upper right-hand tab of the column you wish to adjust.



- Pinch the bottom left-hand tab of the same column.
- Lift the tabs to release from the positioning slots.
- The closest slot (slot #1) is used for 2 5/8" ticket lengths. Slot #2 is used for 3 1/4" ticket lengths. Slot #3 is used for 3 3/4" - 3 7/8" ticket lengths. Slot #4 is for 4 3/8" ticket lengths.

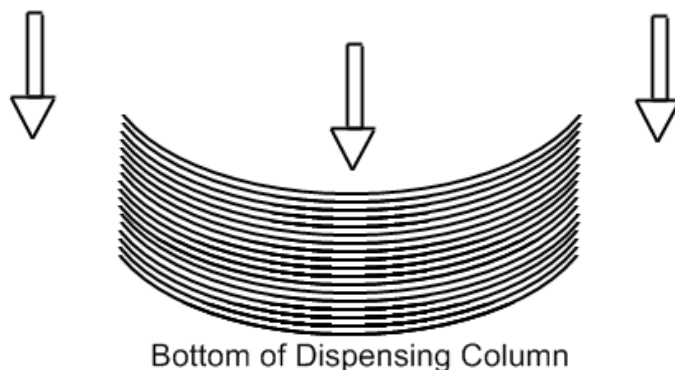
2. **Load a single ticket.** Make sure that both the upper and lower cabinet doors remain open.

Starting at the top of the column, slide a ticket down the chute until it reaches the lowest point. Rotate the large white gear at the bottom right of the column to advance the front edge of the ticket approximately one half to one inch into the feeder. No further adjustments for size are required. The front edge of the ticket remains lower than the back edge. **Notice that the ticket is sitting in the column at an angle.**



3. **Fill the column.** First, check to see how the tickets bend. To prevent tickets from jamming and to ensure that tickets vend smoothly, make sure the tickets are loaded as illustrated. Reference label on inside of cabinet door for ticket loading.

If there is a bend in your tickets, the bend should be pointed down.



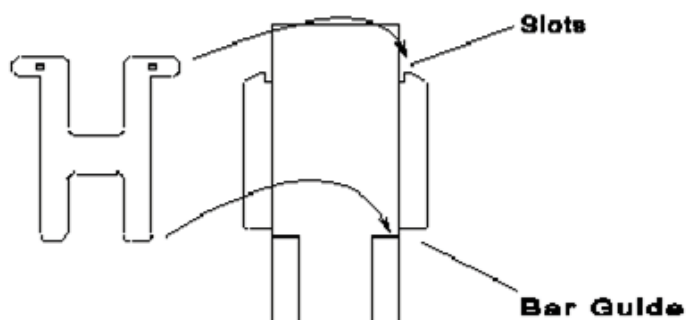
A wide opening at the top of each column allows you to enter stacks of tickets. Grasp a manageable stack of tickets. Slide the stack down the chute. Continue to load tickets until the column is full. **All tickets in one column must be of the same value.**



4. Replace the retaining plate.

Once the column is filled, you must ensure that tickets placed in the wide entry slot do not fall out. Use the retaining plates (shaped like an H) to secure the tickets as follows:

- Place one hand in front of the tickets loaded in the top part of the column.
- Take the H-shaped retaining plate in the other hand.
- Insert the retaining plate in the slots at the top and behind the guide bar at the bottom.
- Lock the retaining plate into the slots at the top of the column.



Removing Tickets

You can remove any tickets that do not load properly down the chute. Remove the H-shaped retaining plate. Slide the ticket or tickets back up to the top and out the wide entry opening. Reload the tickets. Replace the retaining plate.

Displaying Sample Tickets

A double sided reusable tape is provided with each machine. Place the tape on the inside of the window in front of the column you wish to display a ticket. Next, press the ticket onto the tape with the graphic side facing the glass so that it is visible when the door is closed. The ticket will have the illusion of floating on the glass as the tape is nearly invisible. To change tickets, gently remove the old ticket and attach a new ticket to the tape.

Basic Operation

Accessing Menus

The LCD display on the keypad prompts you with the menu information for maintaining the King's Crown Pull Tab dispenser. To program the unit, you must unlock the main console door and make the necessary changes using the keypad. Before opening the door, make sure that the **ENTER PIN NUMBER** screen displays. The screen displays when the timeout period expires or when you press the # key. The display will read:

ENTER PIN NUMBER

If you are using the dispenser for the first time, enter PIN number **1000** and then press #. Otherwise, enter your own PIN number and press #. The Main Menu will then appear:

PINS-1	TOTALS-2
TIME-3	MORE-#

- Enter 1 to add, change or delete PIN numbers. See page 10 (see below).
- Enter 2 to view the total number of tickets dispensed for each column and an accumulated total. (page 12)
- Enter 3 to adjust timeout setting. (page 12)
- Enter 4 set pricing. (page 13)
- Enter 5 to dispense tickets in a test mode. (page 14)

Managing Personal Identification Numbers (PINs) and Security Levels

- The first PIN number and security code are pre-assigned. Use PIN 1000 for the first time you program the unit.
- You can add, change or delete up to 25 different PIN numbers and 3 different security levels. **You cannot access menu functions unless at least one PIN position contains a valid PIN number with a level 2 security.**
- **0000 is not a valid PIN number.**
- The security levels are:
 - o **0** – No Access (this is the default)
 - o **1** – Access to vending functions only
 - o **2** – Access to vending, accounting, and programming functions



- Most users are assigned level 1 security.
- Assign a 0 security level to any unused PIN positions.

To access the Main Menu, use PIN 1000 the first time you program the unit. Otherwise, enter your PIN. Press 1 to select the PIN function. The PIN Menu displays. POS is the position number from 1 to 25; PIN is the four digit Personal Identification Number; and SEC is a security level of 0, 1, or 2:

POS	PIN	SEC
##	####	#

The POS automatically displays the number of the position you are viewing. The PIN and SEC will display zeros if the position is unset and available. Once the PIN is set, it will show the PIN and SEC set for that position.

To add, change, or delete a PIN press *. The NEW PIN screen displays:

NEW PIN
0000

Enter the new four digit PIN or enter 0000 to delete an existing PIN. Press # to advance to the security level screen:

SEC
0

Enter the security level (0, 1, or 2) assigned to the PIN and press #.

Pressing # advances you to the next screen, and pressing * allows you to make changes to the screen being viewed. You must scroll through all 25 PINs even if you do not need to enter anymore PINs or security levels. The MAIN menu appears after position 25 is viewed.

Tracking Sales

The King's Crown Pull Tab Dispenser records the total number of tickets dispensed for each PIN and tracks the total from each column. To review the Totals Menu, press 2 from the Main Menu:

TOT FOR PINS - 1
TOT FOR COLS - 2

Displaying Ticket Sales by PIN Position

Press 1 to display the total ticket sales for each PIN position. ## is the PIN position number from 1 through 25, and \$00000.00 displays the actual dollar amount:

PIN ## \$00000.00

Press the # key to advance to the next PIN position until all 25 positions have been viewed. After the 25th position, the main menu will reappear.

Resetting PIN Values to Zero

To reset the value of a PIN position, press the * key when the PIN position number appears. The values returns to \$00000.00. Clear the total to zeroes at the end of a shift, day, or week, depending on your accounting requirements. Also, clear the total to zeros when you reassign the PIN position with a new PIN number.

Displaying Ticket Sales by Column Number

Press 2 when the Totals menu appears to display the total ticket sales for each column. ## is the COLUMN number and 0000000 displays the total number of tickets dispensed from the particular column:

TOTAL	COL ##
0000000	

Press the # key to review each column total. After each column total displays, the TOTAL ALL COLUMN appears (a non-resettable total). When you press # again, the resettable total appears. Press * to reset the total. Press # again to return to the Main Menu.

Adjusting Timeout Selection

The King's Crown Pull Tab Dispenser allows you to select the length of time from when you complete a ticket sale to the time when the ENTER PIN NUMBER prompt automatically appears.

Consider the following:

- The Pull Tab Ticket Dispenser is initially set with a 45 second timeout period.
- No timeout or a timeout setting of 000 provides unlimited access until the operator logs off by pressing the # key following the completion of a transaction. This is **not a secure** means of vending.
- Use a short setting in situations where several operators have continuous access to the machine.

- Use a longer setting if only one person is responsible for vending for a long period of time or when constant supervision of the dispenser is provided.
- The minimum timeout setting is 003 seconds.
- The maximum timeout setting is 255 seconds.

To adjust the timeout, press 3 from the Main Menu. The timeout menu appears:

TIMEOUT 000 SECONDS

Enter the desired number of seconds. Press # key to return to the Main Menu.

Establishing Column Ticket Pricing

The King's Crown Pull Tab Dispenser is shipped with four preset ticket values: twenty-five cents, fifty cents, one dollar, or two dollars. Players select amounts to match the ticket value. **You must set the column amounts to equal the value of the tickets placed in the column.**



- Columns are numbered from left to right, beginning with column 1 on the far left.
- A column must display a value greater than \$0.00 to dispense tickets.
- A column must contain all tickets of the same value; for example, all tickets in column one must cost \$0.50.
- Set the price for the tickets one column at a time.
- **If the price set for the column does not match the price of the ticket, sales will not correctly represent the price of the ticket.**



From the Main Menu, Press 4. The Pricing Menu appears:

COL	PRICE
01	\$0.00

Press the * key to select a preset value. When the proper amount displays, press the # key to advance to the next column. Repeat this step until all of the columns are priced. When you have finished entering the ticket prices, press the # key to return to the Main Menu. **All columns must have pricing set in order for the dispenser to enter vend mode.**



Testing the Dispensing Unit

The test feature allows you to ensure that tickets dispense accurately without affecting the actual total counters. Use the test mode to empty a column or columns prior to loading a different ticket type or prior to transporting the machine. Note the following:

- The total number of tickets dispensed displays while in this mode.
- You cannot test vend more than 100 tickets at a time.
- If you request more tickets than are available in the column, the column empties, the column dispensing mechanism shuts off and the total number of tickets dispensed displays.
- Totals do not accumulate in memory.
- Columns are numbered from left to right, beginning with column 1 on the far left.

From the Main Menu, press **5**. The Test Vend Menu appears.

SELECT COLUMN
000 PRESS #

Close the lower cabinet door.

1. Enter the test column number.
2. Enter the number of tickets you want to dispense.
3. Press **#** for tickets to dispense into the stacking compartments.

Reading the Dispenser's Serial Number

From the Main Menu, press **8**. The machine's serial number will appear on the LCD which will match the serial number on the identification tag on the lower left hand side of your unit. Pressing **#** will take you back to the Main Menu.

Dispensing Tickets

Chapter

5

You can begin to dispense tickets once you turn on the King's Crown Ticket Dispenser and lock the cabinet doors. If you have not set the ticket pricing, an error will display:

**PRICING NOT SET
GO TO SERVICE**

Entering a PIN

You must enter your 4 digit PIN to dispense tickets.

**ENTER PIN NUMBER

As you enter in you PIN, you will see **** on the screen instead of your actual number. Press # to advance to the next display.

Selecting the Dispensing Column

After you enter your valid PIN, you must select the column from which to dispense tickets. The display will read:

**SELECT COLUMN
\$00.00 PRESS #**

Enter the number of the column from which the tickets are to dispense. Columns are numbered from left to right, beginning with column 1 on the far left. If you select the wrong column, press * to return to the column display. Otherwise, the column number selected displays and you can enter the dollar value of the tickets for dispensing.

Entering a Value (Number of Tickets)

Once you have entered a valid PIN and selected a column from which to dispense tickets, you must enter the value of the tickets for vending. Note the following:

- You must enter a value that is divisible by the ticket price for the column. For example, if column 1 is priced for \$0.50 tickets and you enter \$4.75, the value remains at \$00.00 until a valid amount is entered. In this case, you must enter a value in fifty-cent increments for the tickets to dispense.
- The maximum number of tickets dispensed per transaction is 100; for example, you can vend up to \$50.00 worth of \$0.50 tickets.

Making Additional Selections

Once you successfully dispense the tickets, you have three choices:

1. Select another column number from which to vend and then enter the value of the tickets dispensing.
2. Allow the machine to return to the ENTER PIN NUMBER screen after the timeout occurs.
3. Press the # key to force the return to the ENTER PIN NUMBER screen immediately.

Displaying Total Sales

The King's Crown Ticket Dispenser also allows you to view the total value of all of the tickets dispensed using your PIN. At the ENTER PIN NUMBER display, enter your PIN and then press *. The following screen appears with the total value where the example has \$00000.00:

<p>YOUR TOTAL IS \$00000.00</p>

Resetting Error Messages

Error messages appear for two reasons: a ticket column is empty or a malfunction in a column has occurred. This section describes how to correct the problem in each of these situations.

When a COLUMN FAULT occurs, the seller is alerted by an audible alarm. The display will read:

**COLUMN FAULT
PRESS ANY KEY**

Pressing any key will cancel the alarm and take you to the next screen which shows you how much was actually dispensed:

**\$00.00 DISPENSED
PRESS ANY KEY**

Press any key to return to the column selection screen:

**SELECT COLUMN
\$00.00 PRESS #**

When a column develops a fault, it cannot be used until the cabinet door has been opened, the fault cleared, and then the door closed. If you do not determine the cause of the fault, the column will more than likely develop another fault if you try to vend from it again.

Possible causes of a fault:

- The column is out of tickets – reload ticket columns.
- The column is jammed – clear the jam.

To reset the message before resuming play:

1. Unlock and open the upper cabinet door.
2. Enter your PIN number.
3. Load tickets. (See page 8 for details.)
4. Close and lock cabinet door.
5. Resume play.

If the message appears for a reason other than an empty ticket column, you must first determine the reason for the malfunction. Tickets will not dispense for one of three reasons: **a ticket jam, a misaligned sensor, or a dirty sensor** (refer to pages 18, 19 and 22).

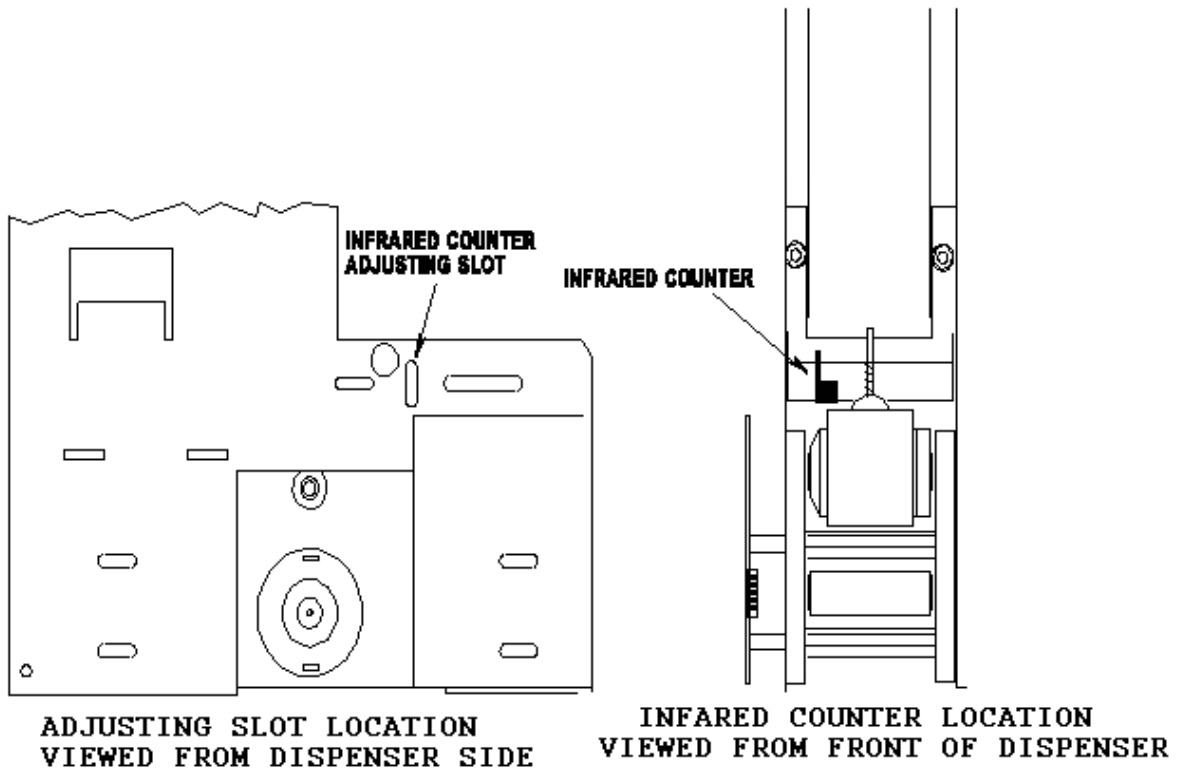
To reset an error message resulting from a ticket jam:

1. Unlock and open both cabinet doors.
2. Enter your PIN number.
3. Locate the column with lodged ticket.
4. Turn the large white gear to the right of the column with the jam until the ticket can be removed.
5. Remove the ticket.
6. Close and lock cabinet door.
7. Resume play.



To reset an error message caused by misalignment of a sensor:

1. Unlock and open both cabinet doors.
2. Enter your PIN number.
3. Determine which sensor is out of alignment. Note that the sensor must face down towards the ticket.
4. Remove the guard above the sensor by removing the nut attaching the guard with a 5/16" open end wrench.
5. Align the sensor above but not touching the ticket. The bottom of the sensor is 1/8 inch to 1/4 inch above the ticket. Use a 1/4 inch wrench and a Phillips screwdriver to tighten.
6. Reinstall the sensor guard.
7. Test the column (see page 14).
8. Close and lock cabinet door.
9. Resume play.



Care and Maintenance

Chapter

6

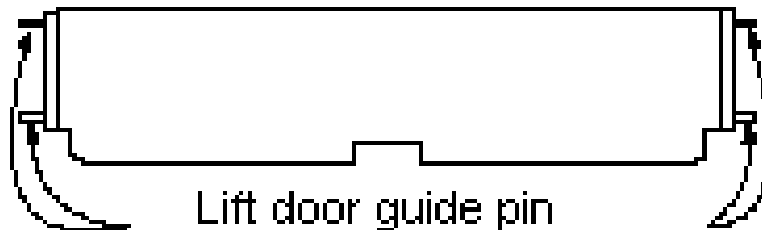
Your model of the King's Crown™ Pull Tab Dispenser has been manufactured to exceed mechanical and electronic standards. The following information will assist you in the care and maintenance of your unit.



- Keep the unit dry. If it gets wet, wipe it dry immediately. Liquids can damage the electronic circuits.
- Wipe the unit with a damp cloth and a drop of liquid fabric softener to keep it looking new. Do not use any abrasive cleaning materials or solvents to clean your model.
- Handle any removed parts gently and carefully. Dropping or mishandling parts can damage electronic components.
- Use plastic cleaning implements or a soft cloth to remove dust from inside the unit. Metal tools can damage the electronic components.
- Use light lubricants and precision oiling implements to lubricate the rollers, shafts and the chute door.

Lubricating the Chute Door

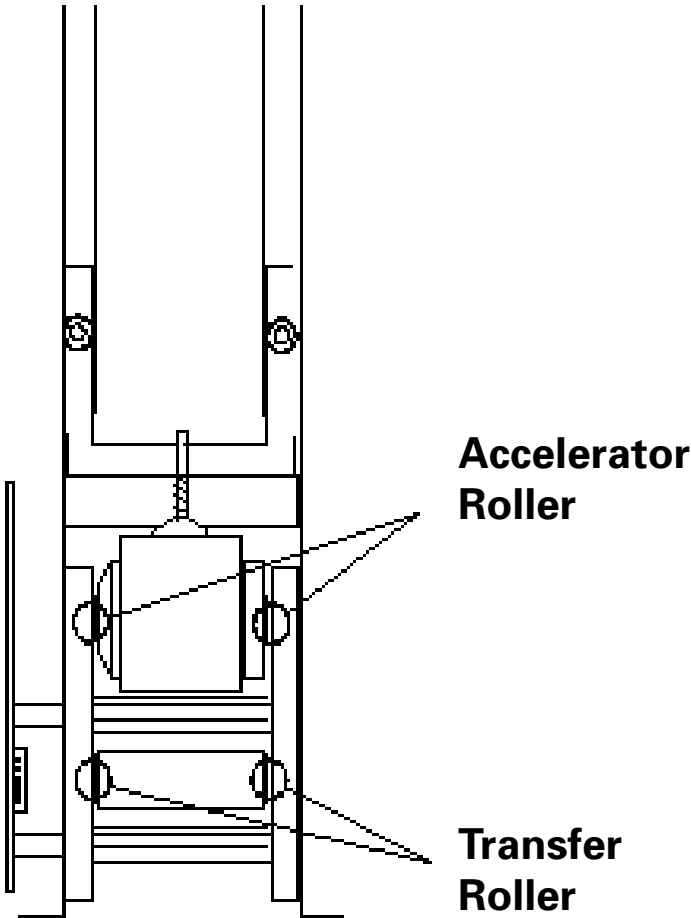
When dust from the tickets accumulates, the chute door can stick or become difficult to open or close. To prevent this from happening, lubricate the four pins on the chute door every three to six months. Using an aerosol lubricant with a straw attachment, spray each of the four pins carefully.



Lift door guide pin
lubrication points

Lubricating the Accelerator Roller Shafts

Occasionally, the accelerator rollers can grind or squeal. To prevent this from happening, you should lubricate the rollers and the transfer shaft every three to six months. Using any light lubricant and a precision oiler, put a drop of oil on each side of the accelerator roller and the transfer bottom shaft. **Do not get any oil on the rubber surface.**

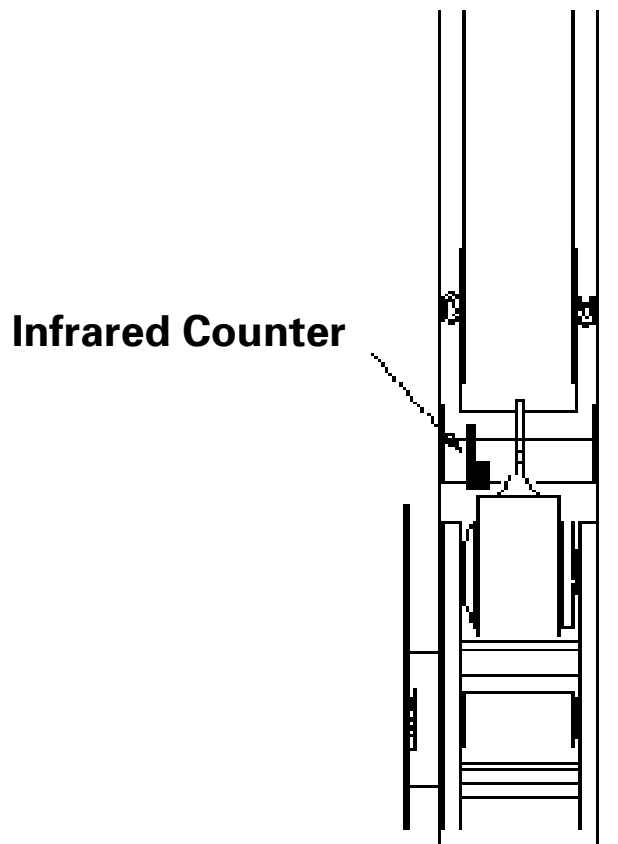


Cleaning the Infrared Sensor

About every 100,000 tickets or three months, you should remove any dust build-up from the ticket counter infrared sensor. Failure to do this could result in miscounting of tickets. To clean the sensor:

1. Looking from the front of the dispenser, insert a Q-Tip, underneath the sensor.
2. Gently rub the bottom of the sensor to remove the paper dust, or
3. Use a can of compressed air to blow out the dust.

Do not get too close. Compressed air can be very cold and/or expel propellant during delivery, and could lead to premature sensor failure.

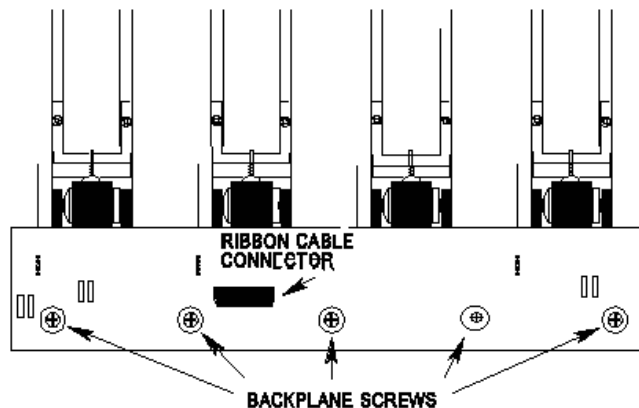
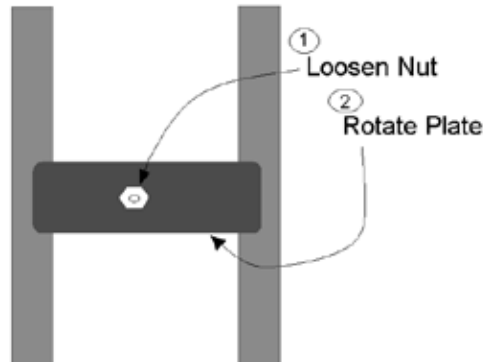


**Infrared Counter Location
Viewed From Front of Dispenser**

Replacing a Ticket Column

If a ticket column requires replacement, complete the following steps:

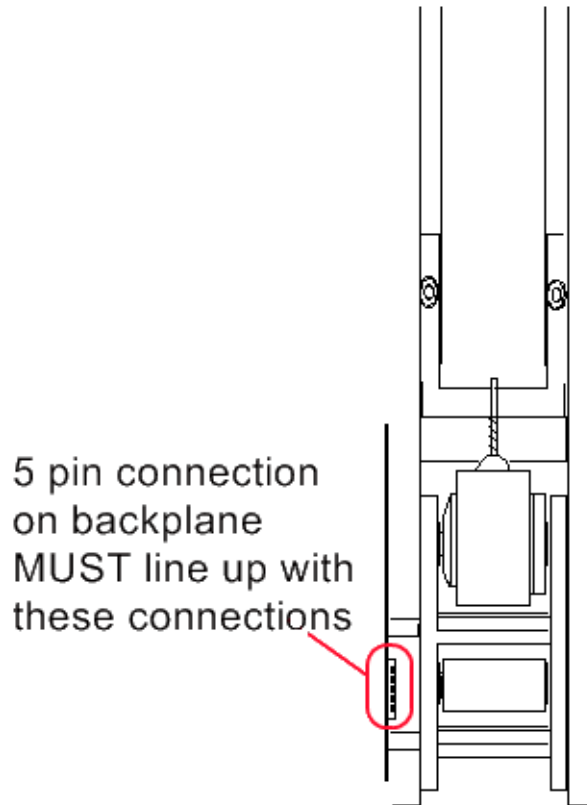
1. Unplug the dispenser.
2. Loosen the column retaining plate that is located beside the wide opening between every second column. Use a 3/8 inch socket wrench to loosen the nut and rotate the plate from its horizontal to a vertical position.



3. Disconnect the 14 Conductor Ribbon Cable located on the back plane and remove the five Philips screws from the backplane.
4. Pull the backplane circuit board straight out to disconnect the pins from the columns.
5. Place the circuit board, with the pin connectors facing up, on a level surface to avoid damaging the pins.
6. Place one hand on the top of the column, one hand on the bottom of the column and slide the column out of the unit.
7. Slide the new column in, making sure that the column fits in properly.

- a. Align the pins on the backplane circuit board with the plugs on the column circuit boards. (You may have to adjust the position of the columns slightly to ensure this.)

NOTE: You must ensure that the pins are aligned correctly. Push the pins gently in place.

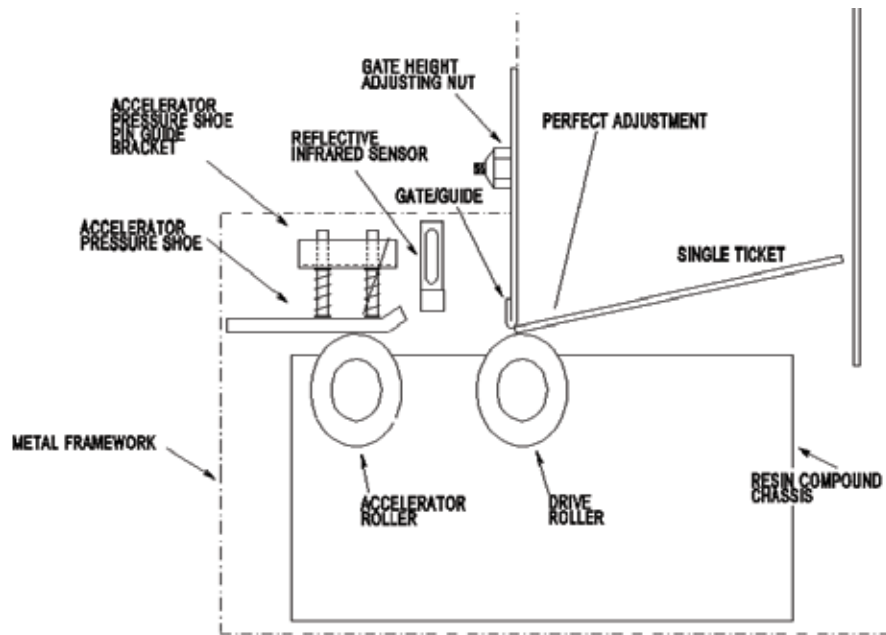


- b. Put the circuit board in place and screw in the five screws. Replace the 14 Conductor Ribbon Cable.
- c. Return the retaining plate to the horizontal position and tighten the retaining plate.
- d. Plug in the unit.
- e. Test vend tickets from each column to ensure that the circuits are connected. (See page 14 for testing instructions.)

Adjusting For Different Ticket Thickness

The King's Crown Pull Tab Dispenser adjusts to accommodate tickets that vary in thickness. To make the adjustment, you require one 11/32 inch socket.

1. Loosen the gate height adjustment nuts on either side of the ticket feeder.



2. Adjust upwards for thicker tickets. Adjust downwards for thinner tickets.

3. Test adjustment.

- Slide a single ticket down the ticket chute.
- If the ticket slides through the feeder, the gap is too wide for the ticket. Adjust downwards.
- If the ticket does not feed through the feeder when the large white gear is turned, the gap is too narrow for the ticket. Adjust upwards.
- If the ticket stops at the front edge of the stainless steel gate and moves forward when the large white gear is turned, the adjustment is complete.

Notice that the ticket is sitting in the column at an angle.



4. Tighten the nuts gradually, alternating from side to side to ensure that the tooth of the gate stays parallel with the ticket.

Do not over tighten.



5. Test vend tickets from each column to ensure that the correct number of tickets dispense. (See page 14 for testing instructions.)

NOTE: The dispensing columns are factory preset to accept tickets .024 inches thick. You do not have to adjust the columns unless you are using a ticket which is a different thickness.



Ticket thicknesses can vary due to storage conditions. Humidity, heat, or cold can sometimes vary the ticket thickness or severely warp the ticket. To insure proper operation, store your tickets in a cool dry place away from direct sunlight.

Troubleshooting



Problem	Explanation
<p>An incorrect number of tickets continue to dispense from a column.</p>	<ol style="list-style-type: none"> 1. Check ticket pricing for the column. Make sure that the price of the ticket matches the price set for the column; or 2. Clean the infrared sensor, see page 22. 3. Check the infrared sensor. Make sure the sensor is aligned. If the sensor is out of place, see page 19 for details on aligning the sensor. 4. Check the gate adjustment, see page 24 for details on readjusting.
<p>Tickets do not dispense.</p>	<ol style="list-style-type: none"> 1. Check the chute door. Tickets do not dispense when the chute door is not completely closed. Lubricate the chute door if necessary, see page 20.
<p>Column makes grinding or squealing noise when tickets are dispensing.</p>	<p>Make sure that the unit has been properly maintained. Refer to page 21 on how to lubricate the roller shafts.</p>
<p>“COLUMN FAULT OR MALFUNCTION” appears on the LCD.</p>	<ol style="list-style-type: none"> 1. The column selected does not have any tickets loaded. Load more tickets into the column. See page 8. 2. A ticket could be jammed in the column. See page 18 to clear the jam.
<p>Alarm activated.</p>	<p>Error messages appear for two reasons:</p> <ul style="list-style-type: none"> • Ticket column is empty • Ticket column has malfunctioned <p>See page 17 for details.</p>

Specifications

Physical Characteristics

Power Supply Input:	110/120V AC
Power Supply Output:	16V AC
Operating Temperature:	40 to 95 °F (5 to 35 °C)
Power Consumption:	40VA Max.

Unpacked Weight and Dimensions

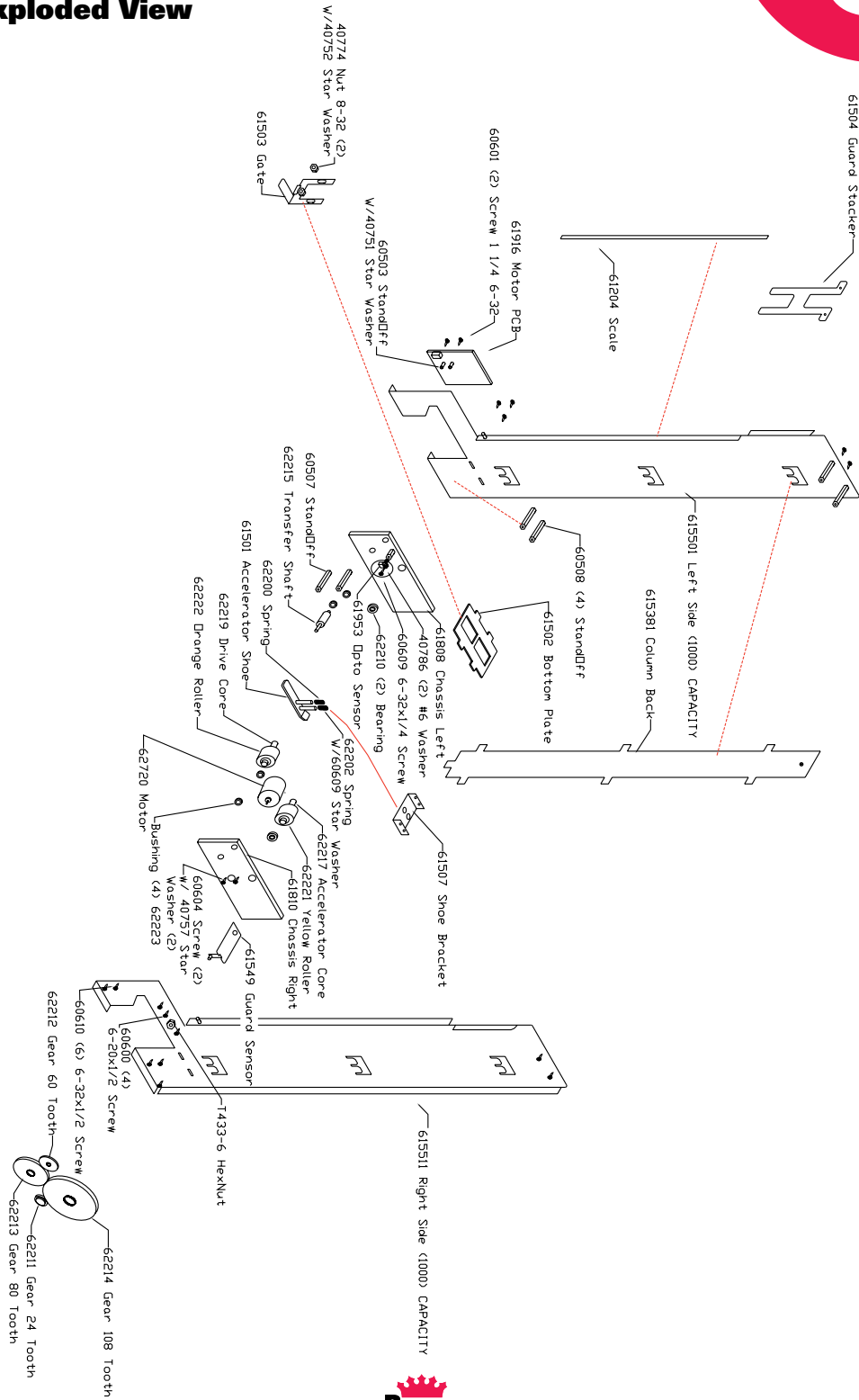
Dimensions:	4-Column	8-Column
Width:	18 5/16 inches	36 1/2 inches
Depth:	15 1/4 inches	15 1/4 inches
Height:	36 5/8 inches	36 5/8 inches
Weight (empty):	110 lbs.	190 lbs.

Packed Weight and Dimensions

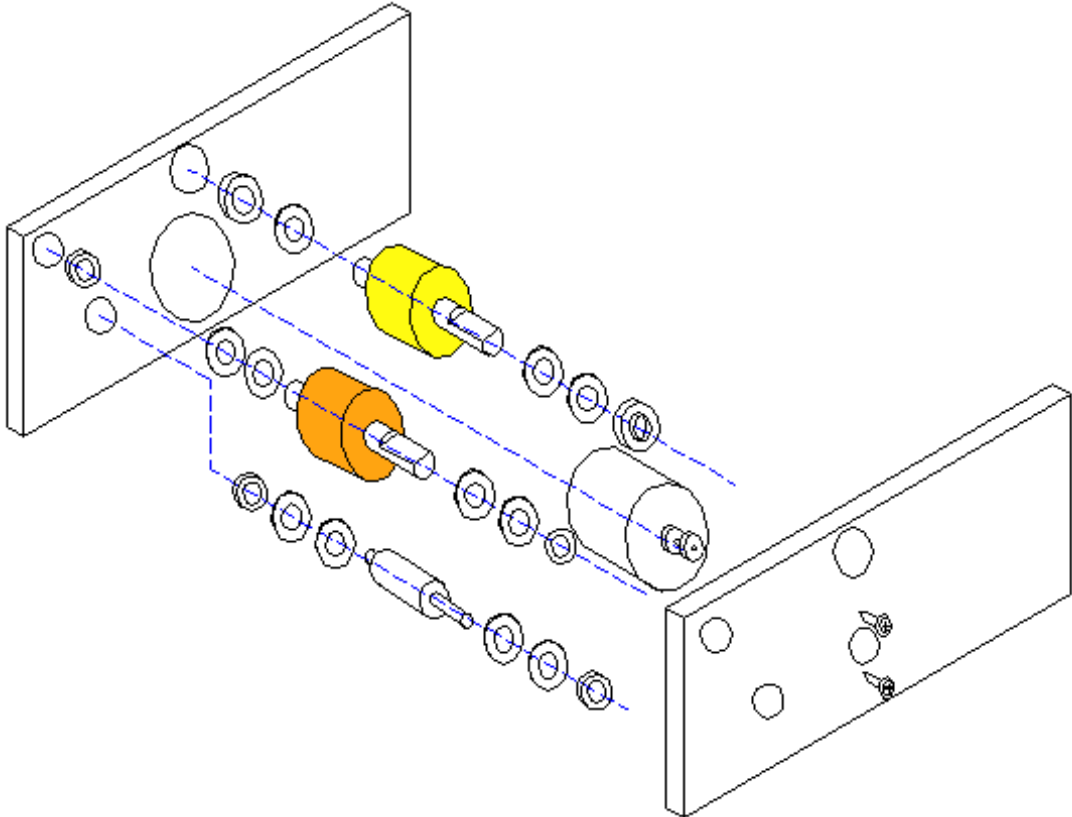
Dimensions:	4-Column	8-Column
Width:	32 inches	50 inches
Depth:	20 1/2 inches	20 1/2 inches
Height:	37 inches	41 inches
Weight (empty):	127 lbs.	225 lbs.

Diagrams and Pictures

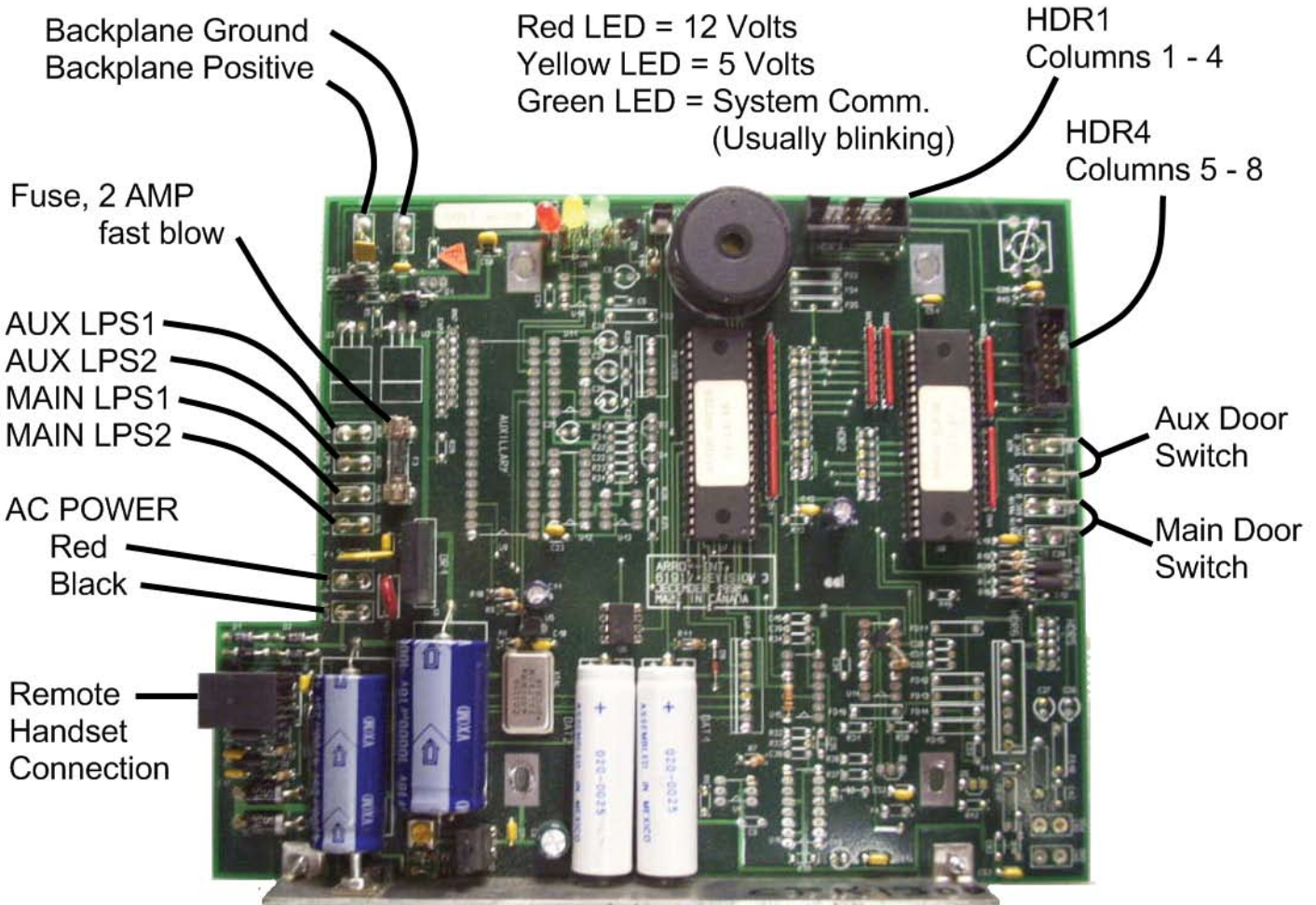
Column Exploded View



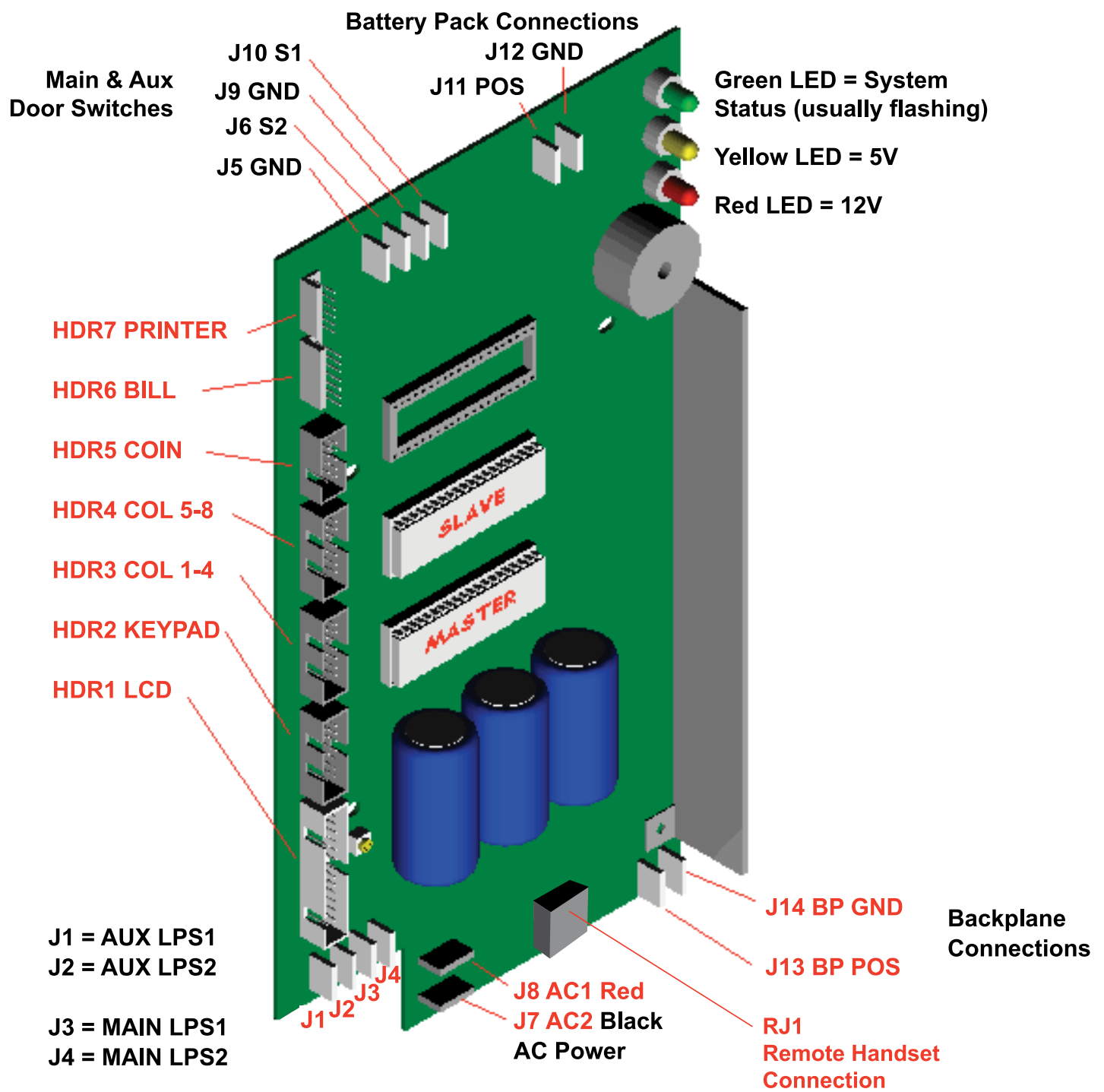
Roller Carriage Assembly



Printed Circuit Board Layout, Version 1



Printed Circuit Board Layout, Version 2



Parts List, Column

61501	Accelerator shoe
61507	Accelerator shoe bracket
61504	Column ticket retaining plate
62213	Gear, connector 80 tooth
62214	Gear, large 108 tooth (used w/ yellow roller)
62211	Gear, motor drive 24 tooth
62212	Gear, small 60 tooth (used w/ orange roller)
62720	Motor, Igarashi
61953	Optical sensor – sensor and wire only
61549	Optical sensor guard
61916	PCB, column drive
62217	Roller core, orange (just the shaft – needs 62222 for rubber)
62219	Roller core, yellow (just the shaft – needs 62221 for rubber)
62222	Roller, orange (just the rubber – order shaft and have assembled)
62221	Roller, yellow (just the rubber – order shaft and have assembled)
606060	Screws, mounting (accelerator shoe bracket to column)
61204	Sign, column scale
61202	Sign, column select (1-4)
61203	Sign, column select (5-8)
62202	Spring, accelerator front (pushes accelerator shoe down)
62200	Spring, accelerator rear (also need 40786) (pushes accelerator shoe down)
607124T	Ticket column (1000 capacity)
61503	Ticket gate, metal
40125	Ticket spacer, magnetic (only needed for some very short tickets for proper alignment within the column)
40786	Washer (use w/ 62200)

Parts List, Main Cabinet

64520	Cable, backplane ribbon (COL 5-8)
64519	Cable, backplane ribbon, New CPU PCB (COL 1-4)
645222	Cable, keypad (14.5" long)
64524	Console control, keypad model (Remote hand held)
61804	Console door assembly, lexan (slide door on lower door assembly)
61505	Console latch (left cabinet)- uses spring 62201 (2, 4, & 8 column)
61506	Console latch (right cabinet)- uses spring 62201 (8 column only)
61802	Deflecting film, lexan
431445	Keys, serialized cabinet door (May not be able to match your particular machine's key serial number. Lock replacement maybe necessary.)
60616	Leveling foot w/ nut (each)
61922	Light Kit, 4 & 8 column (LED bar @ top of columns)
61924	Light Kit, ticket door (LED bar in ticket delivery door)
T920150	Lock sets, 2 main cabinet door (4 locks & 2 keys)
61903	PCB, backplane, 4 column, Left Side
619030	PCB, backplane, 8 column, Right Side
61916	PCB, column drive
619201	PCB, CPU for keypad
64511	Power supply jack & wiring (wiring inside of the machine)
62700	Power supply, King's Crown (16 volts AC)
62201	Spring, console door (used on console latches)
61954	Switch, console door (mini switch for slide door)
62501	Switch, main door (white switch – can be pulled out for interlock)
645042	Wiring harness, 8 column door/LED
64505	Wiring harness, backplane power, keypad (column 1-4)

Warranty



Bingo King® Bingo Console Standard Limited Warranty

Set out below are the terms of the Standard Limited Warranty (“Limited Warranty”) made by Bingo King Co. (“Bingo King”) in connection with the sale of the Bingo King equipment (the “Equipment”).

1. Limited Warranty

Subject to the limitations in the next paragraph, Bingo King warrants to the original purchaser (“Purchaser”) that the Equipment will, to the extent manufactured by Bingo King, be free from defects in material and workmanship for a period of ONE (1) YEAR from the date of shipment of the Equipment from Bingo King. Purchaser represents to Bingo King that no employee, agent, or representative of Bingo King (or a Bingo King dealer) has made any representation or warranty regarding the Equipment except as set out herein.

This Limited Warranty applies to normal commercial use and does not cover failure or damage which (a) occurs in shipment; (b) is caused by products not supplied by Bingo King; or (c) results from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, set-up adjustments or modifications. This Limited Warranty also does not cover any damage resulting from failure to install the Equipment in strict conformity with local fire and building codes and regulations, or if the installation does not comply with the installation instructions provided by Bingo King. Products which are manufactured by a third-party vendor and offered with the Equipment (such as monitors, keyboards, cameras, and other peripheral products) are not covered by this Limited Warranty. Purchaser needs to consult the third-party manufacturer’s warranty for warranty claims related thereto. Bingo King will supply a copy of any third-party vendor’s warranty upon written request.

2. Disclaimer of Warranties

BINGO KING 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 does not conform to the Limited Warranty set out above, Bingo King 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 1/12th of the purchase price for each month between the date of the purchase from an authorized Bingo King dealer and the date of the discovery of the defect, provided that written notice of the defect and its nature is given to Bingo King 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. All part repairs are through the Bingo King Cleveland Depot.

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 Bingo King’s liabilities, whether based on contract, negligence, tort, product liability, strict liability or otherwise. IN NO EVENT WILL BINGO KING 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 SALE PRICE OF SUCH EQUIPMENT.

5. Warranty Voided

Any obligations of Bingo King under this Limited Warranty will be deemed to have been satisfied if anyone other than an authorized Bingo King 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:

- A. Purchaser must have complied with all requirements to make the Limited Warranty effective as to Purchaser; and
- B. The Equipment (as an entire unit and as purchased by Purchaser) must be transferred to Buyer.

Upon an effective transfer of this Limited Warranty, Buyer will be considered to be "Purchaser" for paragraphs 1, 4 and 8 hereof.

7. Inspection

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

8. Proof of Purchase

Notwithstanding anything to the contrary in this Limited Warranty, Purchaser must, upon Bingo King's request, submit proof of original purchase (satisfactory to Bingo King) of the Equipment. The Limited Warranty set out above shall not apply to, nor cover, any Equipment for which Purchaser is unable, upon Bingo King's request, to supply such proof of purchase.

9. Telephone Support

Telephone support is available to Purchaser on Mondays through Fridays (including holidays) from 8:00 a.m. until 12:00 a.m. (Eastern Standard Time). The telephone number is (866) 405-3482.

10. Preventative Maintenance; Emergency Service

Purchaser is entitled to request Bingo King to perform, through an authorized Bingo King distributor, one (1) preventative maintenance servicing on the Equipment. The preventative maintenance servicing shall be done in accordance with Bingo King's standard Preventative Maintenance program. Service performed by Bingo King or an Bingo King authorized distributor, which is not covered under its standard Preventative Maintenance program, will be billed to Purchaser.

11. Limitation of Actions

Any legal action against Bingo King for a default of its obligations under this Limited Warranty must be commenced within two (2) years from the date the Equipment was sold by an authorized dealer of the Equipment.

12. How to Obtain Service

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

- A. Refer to your Operator's Manual and follow the Troubleshooting Table within the 'Service Section'.
- B. Contact the authorized Bingo King Equipment Distributor from whom you purchased the Equipment.
- C. Contact the Bingo King telephone support number listed above.

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

Bingo King 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:

Bingo King Co.
c/o National Service Manager
2807 Lincoln Way
Lynnwood, WA 98087

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.



PART # BK68301



Bingo King Co. • 2807 Lincoln Way • Lynnwood, WA 98087 • 425.745.3700