



## *Bikini Bottom Bowling*



# Operator's Manual

Chicago Gaming Company, 4616 W. 19<sup>th</sup> Street, Cicero, IL 60804

(Rev 1.0)

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### Safety Notices

The following safety instructions apply to all game operators. We recommend that you read this page before setting-up Bikini Bottom Bowling. Use the following safety guidelines to help protect the system from potential damage and to ensure your personal safety.

- Use with only 115 volts/60 Hz
- To help prevent electric shock, plug the system power cables into properly grounded power sources. These cables are equipped with 3-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If you must use an extension cable, use a 3-wire cable with properly grounded plugs.
- To help protect your system from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner or uninterruptible power supply (UPS).
- Do not spill food or liquid on your system.
- Do not push any objects into the openings of the system. Doing so can cause fire or electric shock by shorting out interior components.
- Keep your game far away from radiators and heat sources.
- Do not block cooling vents.
- Before working on the machine be sure to unplug it.
- Be sure to use fuses that meet the specified rating. (5A, 250V Fast-blow) Using fuses exceeding the specified rating can cause a fire and electrical shock.

## FCC Compliance

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## Setting the game up for the Desired Payout Percentage

The payout percent can be adjusted in the Ticket Adjustment Menu. Turn to **page 10** for instructions on accessing and making changes to this menu.

## Cost To Play (Main Menu→Operator Adjustments→Player Cost)

This setting determines the number of coins that have to be inserted for one credit. The default setting is one coin per play. This can be changed from \$0.25 to \$63.75. Instructions for accessing and making changes to this setting can be found on **page 13**.

## Balls Per Frame (Main Menu→Operator Adjustments→Game Adjustments)

The Balls Per Frame setting determines how many balls a player receives for a credit entered into the machine. If this is set to one ball per frame, the player will receive one ball to throw. If this is set to two balls per frame, the player will receive a second chance after the first ball. If the player bowls a strike, they are allowed to bowl up to two more frames for a chance to win the bonus. Instructions for accessing and making changes to this setting can be found on **page 9**.

## Ticket Payout Table (Main Menu→Operator Adjustments→Ticket Adjustments)

This table adjusts tickets awarded for number of pins knocked down, spares, strikes, and the three strike in a row jackpot. Instructions for accessing and making changes to this menu can be found on **page 11**.

## Opening the Ticket Drawer

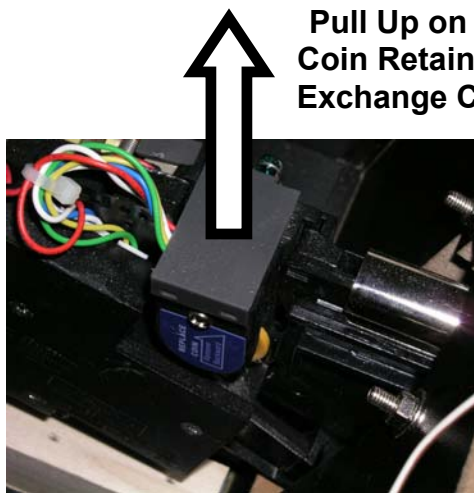
The ticket drawer is located on the front left side of the unit and must be opened using a key. To open the drawer, turn the key clockwise and pull on the small handle at the top of the drawer. After unlocking the drawer, the key must either be held in position or removed while in the unlocked position. Leaving the key in will allow the locking mechanism to fall back into the locked position. Note that the ticket drawer slides out on rollers, like a drawer, rather than tilting open.



## Setting Coin Comparator

Bikini Bottom Bowling ships with a faux plastic token installed in the coin comparing mechanism. Follow the instructions below to set up the machine to accept the preferred coin or token.

- 1) Using the key, open the control panel.
- 2) Locate the coin comparator mechanism on the right side. (See image below)
- 3) Making sure not to drop the token, lift up the coin retainer holding the token in place.
- 4) Remove the token and set to the side.
- 5) Lift the coin retainer and place the new coin or token in the slot (It may be easier to place the coin in the underside of the top of the retainer, then lower it into place.)
- 6) After making sure the coin is in place, close the control panel.
- 7) The coin comparator automatically adjusts when a new coin or token is inserted.



**Pull Up on The  
Coin Retainer to  
Exchange Coins**



## Reinstalling Software



**HIGH VOLTAGE PRESENT.  
SHOULD BE PERFORMED BY  
TRAINED TECHNICIAN**

- 1) With the power on, open the control panel
- 2) Being careful not to disconnect any wires, reach down to the computer and open the disc drive.
- 3) Place the Restore DVD in the tray and close the disc door.
- 4) Using the switch on the back of the game, turn the power off for 30 seconds.
- 5) Turn the power back on.
- 6) The small green light near the disc tray will blink erratically, and then turn off for 35-40 seconds.
- 7) The disc read light will rhythmically flash for 20-25 minutes. **DO NOT TURN THE UNIT OFF DURING THIS TIME.**
- 8) After this time, the light will stop flashing.

- 9) Again, carefully reach in to open the disc tray and remove the disc.
- 10) Turn the unit off.
- 11) Wait 30 seconds, or until the cooling fan has stopped spinning.
- 12) Turn the unit back on. The software is now reinstalled.

## Service Menu

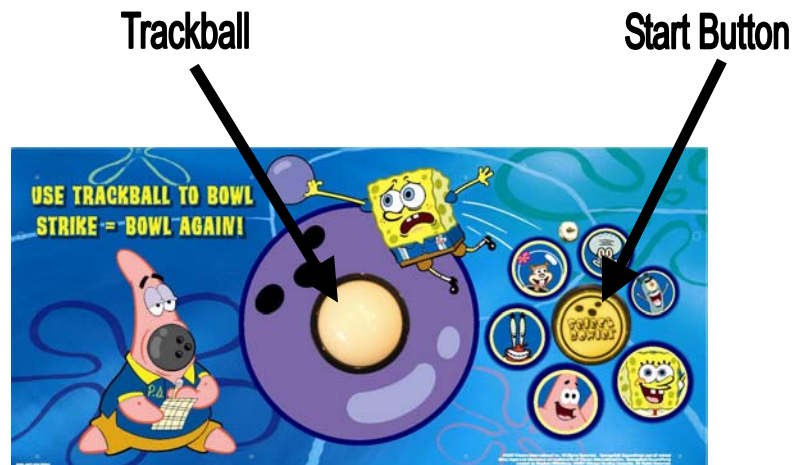
The **Service Menu** allows operators to adjust game, coin, and ticket settings, check audits, and perform system tests. The list of service menu items and settings starts on the next page.

The **Service Menu** buttons are located behind the ticket door. Press the “Test” button to enter the **Service Menu**. Once in the **Service Menu**, press the “Test” button again to advance to the next Service Menu item.

Service Menu items are adjusted by using the “Up” and “Down” buttons, or by using the trackball.

To exit the **Service Menu** and save settings, or to go back a menu, select **EXIT** and press the test button.

## Service Panel



## Main Menu Map

| Operator Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | General Audits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Game Adjustments</p> <ul style="list-style-type: none"> <li>Bowler</li> <li>Balls Per Frame</li> <li>Trackball Sensitivity</li> <li>Trackball Deadzone</li> </ul> <p>Ticket Adjustments</p> <ul style="list-style-type: none"> <li>Ticket Value</li> <li>Credit Value</li> <li>Target Payout Pct.</li> <li>Ticket Payout Table</li> </ul> <p>Coin Adjustments</p> <ul style="list-style-type: none"> <li>Freeplay</li> <li>Currency Type</li> <li>Currency Unit Value</li> <li>Coin 1 Value</li> <li>Coin 2 Value</li> <li>Coin 3 Value</li> <li>Maximum Credits</li> <li>Bonus Award</li> <li>Units for Bonus</li> </ul> <p>Player Cost</p> <ul style="list-style-type: none"> <li>Cost to Play</li> </ul> <p>Volume</p> <ul style="list-style-type: none"> <li>Game Volume</li> <li>Attract Volume</li> <li>Minimum Volume</li> <li>Attract Sounds</li> </ul> | <p>Game Audits</p> <ul style="list-style-type: none"> <li>Games Played</li> <li>Extra Throws Awarded</li> <li>Total Spares Hit</li> <li>Total Strikes Hit</li> <li>2 Strikes Hit</li> <li>Jackpots Hit</li> <li>Zeros Hit</li> <li>2X Hit</li> <li>Avg. Pins Per Ball</li> </ul> <p>Ticket Audits</p> <ul style="list-style-type: none"> <li>Total Tickets Dispensed</li> <li>Avg. Tickets</li> <li>Payout Pct.</li> <li>Tickets Owed</li> </ul> <p>System Audits</p> <ul style="list-style-type: none"> <li>Play Time</li> <li>Up Time</li> <li>Watchdogs</li> <li>Exceptions</li> <li>Bad Traps</li> </ul> <p>Coin Audits</p> <ul style="list-style-type: none"> <li>Total Coin 1</li> <li>Total Coin 2</li> <li>Total Coin 3</li> <li>Bonus Coins</li> <li>Lifetime Coin Count</li> <li>Service Credits</li> </ul> |
| Reset Menu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | System Tests Menu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <p>Reset Game Audits</p> <p>Reset Credits</p> <p>Reset Tickets</p> <p>Reset Coin Counters</p> <p>Reset Adjustments</p> <p>Factory Reset</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>Version List</p> <p>Switch Test</p> <p>Screen Tests</p> <p>Sound Test</p> <p>File Test</p> <p>Coin Meter Test</p> <p>Ticket Dispenser Test</p> <p>Dipswitch Settings</p> <p>Lamp Flash Test</p> <p>Watchdog Test</p> <p>Trackball Test</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Main Menu

### Main Menu

To enter the Main Menu, press the "Test" Button located on the Service Panel. Navigate the Menus using the Trackball or Vol+ / Vol- to move. Use "Test" or the Start Button to select an item.

SpongeBob Bowling Version: 1.02

MAIN MENU

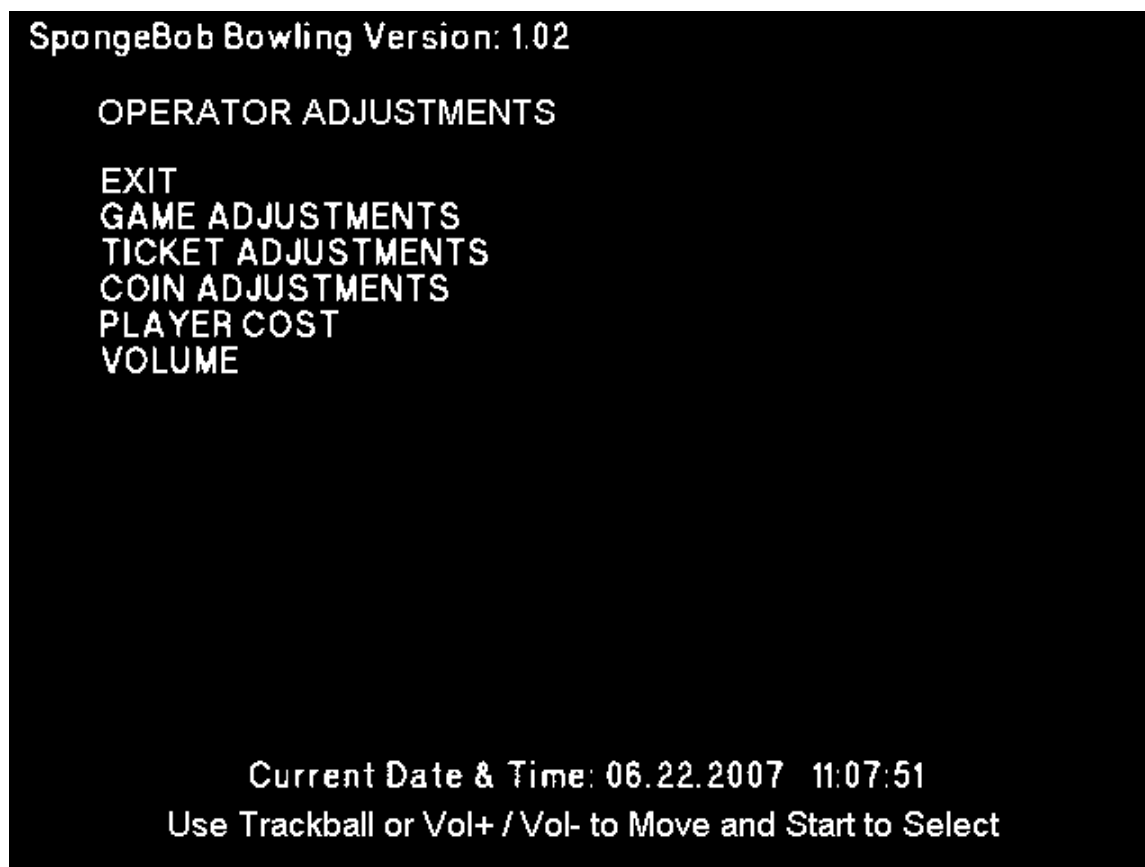
EXIT  
OPERATOR ADJUSTMENTS  
GENERAL AUDITS  
RESET MENU  
SYSTEM TESTS MENU

Current Date & Time: 06.22.2007 11:07:41  
Use Trackball or Vol+/Vol- to Move and Start to Select

|                             |
|-----------------------------|
| <b>Main Menu</b>            |
| <b>Operator Adjustments</b> |

### **Operator Adjustments Menu**

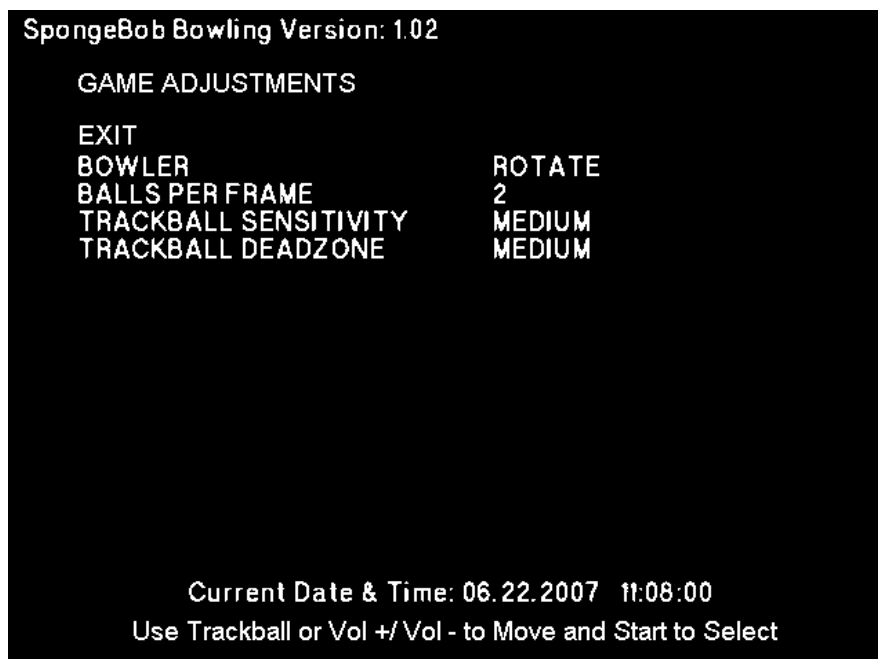
From the Main Menu, select Operator Adjustments. From here, you can select gameplay, ticket, coinage, or sound adjustments. Then go to the selected menu and tailor the game to your installation.



|                                  |
|----------------------------------|
| <b>Main Menu</b>                 |
| <b>Operator Adjustments Menu</b> |
| <b>Game Adjustments Menu</b>     |

## Game Adjustments Menu

From the Operator Adjustments Menu, select Game Adjustments. From here, you can adjust several gameplay aspects.



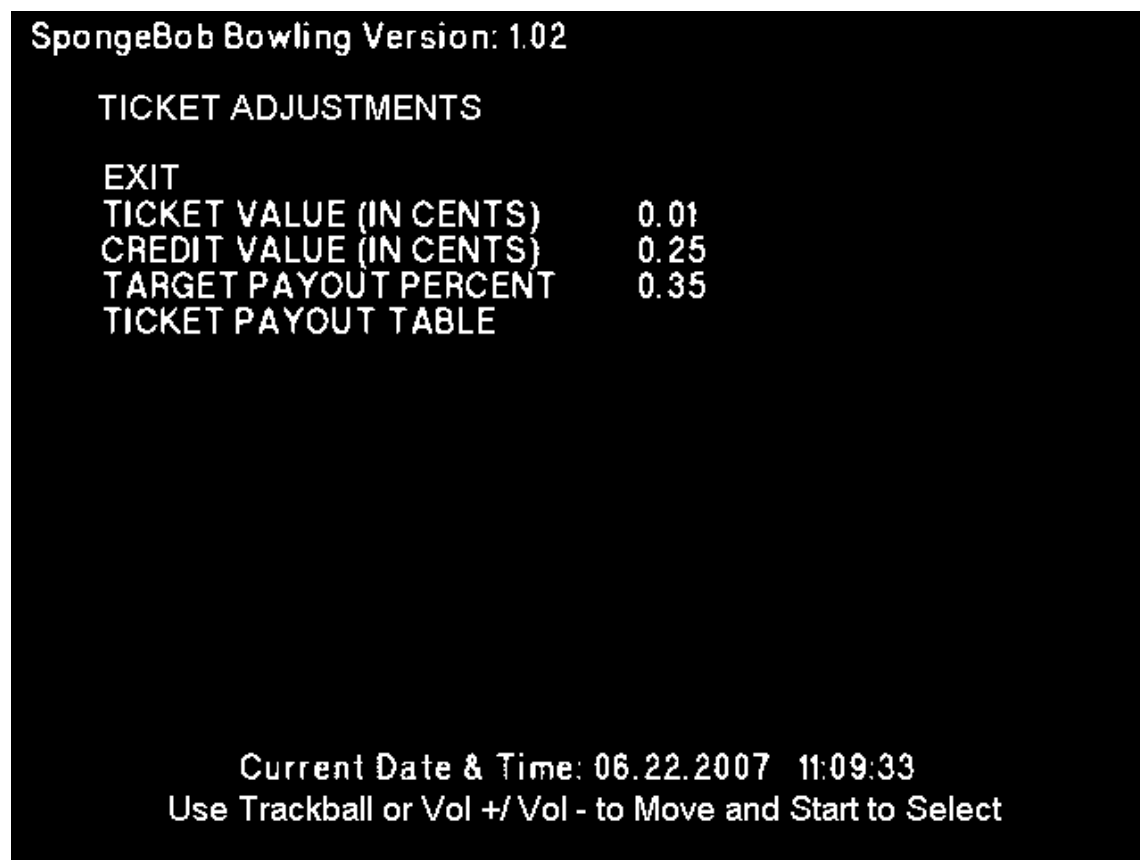
## Settings, Defaults & Choices

| Setting Name          | Description                                                   | Default | Choices                                                                                             |
|-----------------------|---------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------|
| Bowler                | Choose one all-time bowler, or allow player to rotate between | Rotate  | Rotate, Spongebob, Patrick, Mr. Krab, Sandy, Squidward, Plankton                                    |
| Balls Per Frame       | Changes how many balls a player receives per credit           | 2       | <ul style="list-style-type: none"> <li>1: 1 Ball Per Frame</li> <li>2: 2 Balls Per Frame</li> </ul> |
| Trackball Sensitivity | Adjusts sensitivity of trackball                              | Medium  | Very Slow, Slow, Medium, Fast, Very Fast                                                            |
| Trackball Deadzone    | Adjusts area around trackball where movement is not recorded  | Medium  | None, Very Small, Small, Medium, Large, Very Large, Extra Large                                     |

|                                  |
|----------------------------------|
| <b>Main Menu</b>                 |
| <b>Operator Adjustments Menu</b> |
| <b>Ticket Adjustments Menu</b>   |

## Ticket Adjustments Menu

From the Operator Adjustments Menu, select Ticket Adjustments. This menu accesses changes to ticket and credit value, target payout percentage, and the ticket payout table.



## Settings, Defaults & Choices

| Setting Name            | Default | Choices                              |
|-------------------------|---------|--------------------------------------|
| Ticket Value (IN CENTS) | 0.01    | 0.01 - 1.00                          |
| Credit Value (IN CENTS) | 0.25    | 0.01 - 1.00                          |
| Target Payout Percent   | 0.35    | 0.01 - 1.00                          |
| Ticket Payout Table     | N/A     | SEE TICKET PAYOUT TABLE ON NEXT PAGE |

|                                  |
|----------------------------------|
| <b>Main Menu</b>                 |
| <b>Operator Adjustments Menu</b> |
| <b>Ticket Adjustments Menu</b>   |
| <b>Ticket Payout Table Menu</b>  |

## Ticket Payout Table Menu

From the Ticket Adjustments Menu, select Ticket Payout Table. The Ticket Payout Table adjusts the number of tickets awarded per number of pins knocked down and for number of strikes in a row. The jackpot is awarded after 3 strikes in a row.

```

SpongeBob Bowling Version: 1.02

TICKET PAYOUT TABLE

EXIT
TICKETS FOR 0 PINS          1
TICKETS FOR 1 PIN          1
TICKETS FOR 2 PINS          2
TICKETS FOR 3 PINS          3
TICKETS FOR 4 PINS          4
TICKETS FOR 5 PINS          5
TICKETS FOR 6 PINS          6
TICKETS FOR 7 PINS          7
TICKETS FOR 8 PINS          8
TICKETS FOR 9 PINS          9
TICKETS FOR 1ST STRIKE     10
TICKETS FOR 2ND STRIKE     20
TICKETS FOR JACKPOT        100

Current Date & Time: 06.22.2007 11:09:33
Use Trackball or Vol +/- Vol - to Move and Start to Select

```

## Settings, Defaults, & Choices

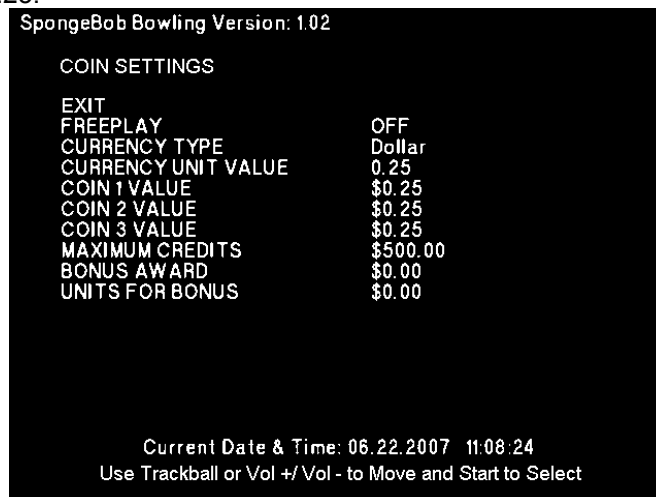
| Number Of Pins         | Default | Choices |
|------------------------|---------|---------|
| 0 Pins                 | 1       | 0-10    |
| 1 Pin                  | 1       | 0-10    |
| 2 Pins                 | 2       | 0-10    |
| 3 Pins                 | 3       | 0-10    |
| 4 Pins                 | 4       | 0-10    |
| 5 Pins                 | 5       | 0-10    |
| 6 Pins                 | 6       | 0-10    |
| 7 Pins                 | 7       | 0-10    |
| 8 Pins                 | 8       | 0-10    |
| 9 Pins                 | 9       | 0-10    |
| 1 <sup>st</sup> Strike | 10      | 0-50    |
| 2 <sup>nd</sup> Strike | 20      | 0-100   |
| Jackpot                | 100     | 0-1000  |

|                                  |
|----------------------------------|
| <b>Main Menu</b>                 |
| <b>Operator Adjustments Menu</b> |
| <b>Coin Adjustments Menu</b>     |

## Coin Adjustments Menu

From the Operator Adjustments Menu, select Coin Adjustments. From here you can adjust freeplay, currency settings, coin values, and bonus award settings.

**Note:** The boundaries for this menu are dependant upon Currency Type and Currency Unit Value. The choices in the guide below are shown with Currency Type set to Dollar and Currency Unit Value set at \$0.25.



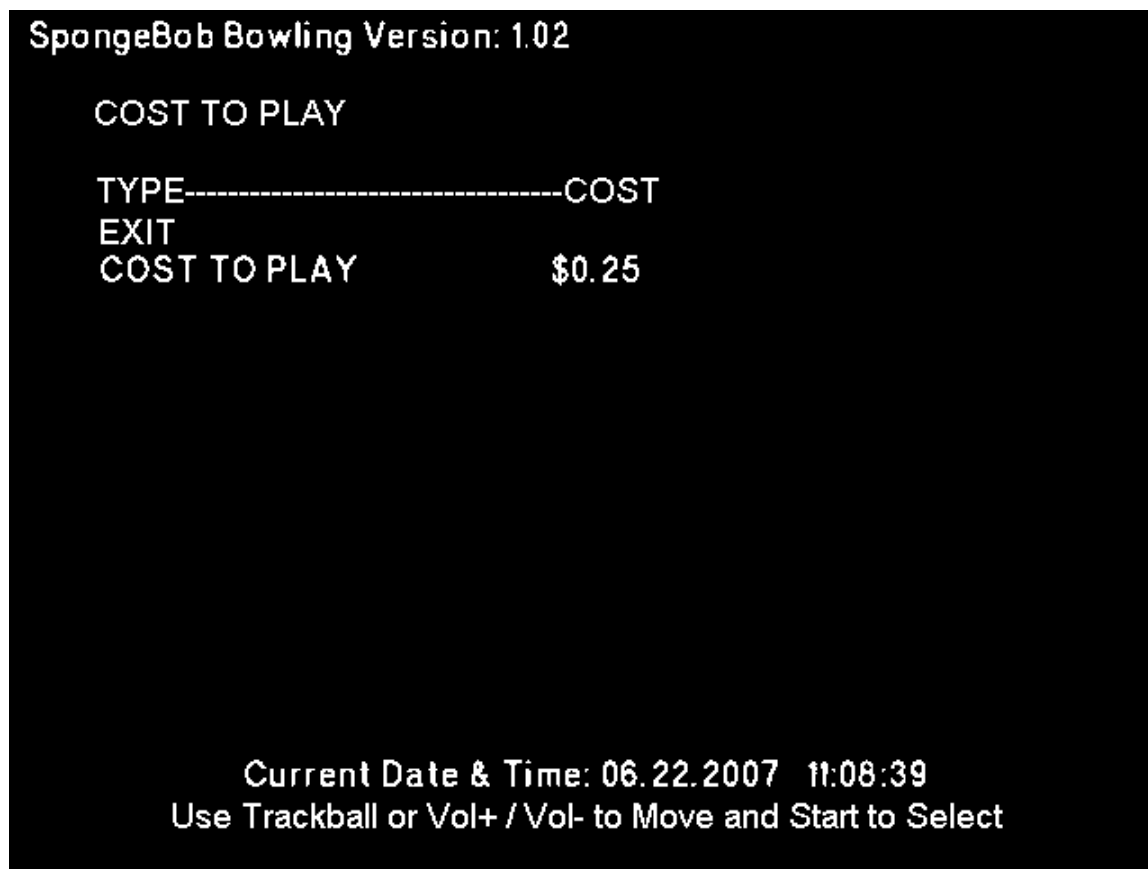
## Settings, Defaults, & Choices

| Setting Name        | Description                                                                                                                 | Default  | Choices                                                                                                                |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------|
| Freeplay            | This turns Freeplay on or off.                                                                                              | Off      | <ul style="list-style-type: none"> <li>On: No coins are required for play</li> <li>Off: Normal pay required</li> </ul> |
| Currency Type       | Adjusts which form of currency the machine is accepting. The system automatically adjusts the rest of the menu accordingly. | Dollar   | Dollar, AUS Dollar, Pound, Rand, NZ Dollar, Euro, Coins, CAN Dollar, Franc, Guilder, Krona, Peso, Ruble, Won, Yen      |
| Currency Unit Value | This sets the value of the coin in the coin comparator.                                                                     | \$0.25   | \$0.25 - \$63.75                                                                                                       |
| Coin 1 Value        | This sets the value of the coin in coin comparator 1.                                                                       | \$0.25   | \$0.25 - \$63.75                                                                                                       |
| Coin 2 Value        | This sets the value of the coin in coin comparator 2.                                                                       | \$0.25   | \$0.25 - \$63.75                                                                                                       |
| Coin 3 Value        | This sets the value of the coin in coin comparator 3.                                                                       | \$0.25   | \$0.25 - \$63.75                                                                                                       |
| Maximum Credits     | This sets the limit for credits that can be put on the machine.                                                             | \$500.00 | \$125 - \$500                                                                                                          |
| Bonus Award         |                                                                                                                             | \$0.00   | \$0 - \$5.00                                                                                                           |
| Units for Bonus     |                                                                                                                             | \$0.00   | \$0 - \$50.00                                                                                                          |

|                                  |
|----------------------------------|
| <b>Main Menu</b>                 |
| <b>Operator Adjustments Menu</b> |
| <b>Player Cost Menu</b>          |

## Player Cost Menu

From the Operator Adjustments Menu, select Player Cost. From here, you can adjust how much to charge for one credit of play.



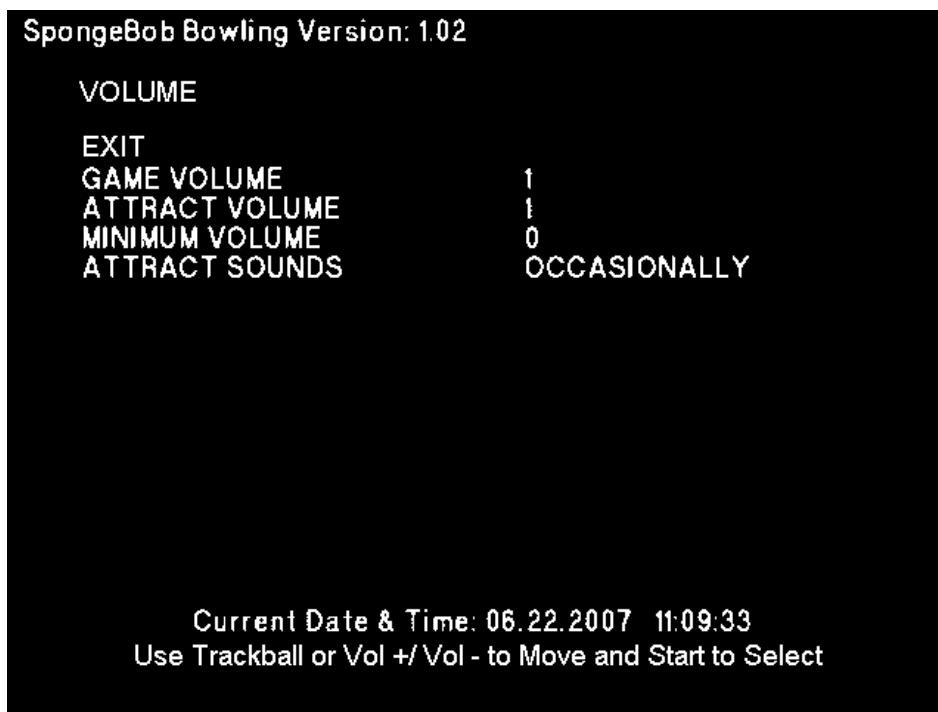
## Settings, Defaults, & Choices

| Setting Name | Description                                                 | Default | Choices          |
|--------------|-------------------------------------------------------------|---------|------------------|
| Cost to Play | This setting adjusts the cost of 1 credit (1 frame) of play | \$0.25  | \$0.25 - \$63.75 |

|                                  |
|----------------------------------|
| <b>Main Menu</b>                 |
| <b>Operator Adjustments Menu</b> |
| <b>Volume Menu</b>               |

## Volume Menu

From the Operator Adjustments Menu, select Volume. From here, you can make adjustments to the game's sound.



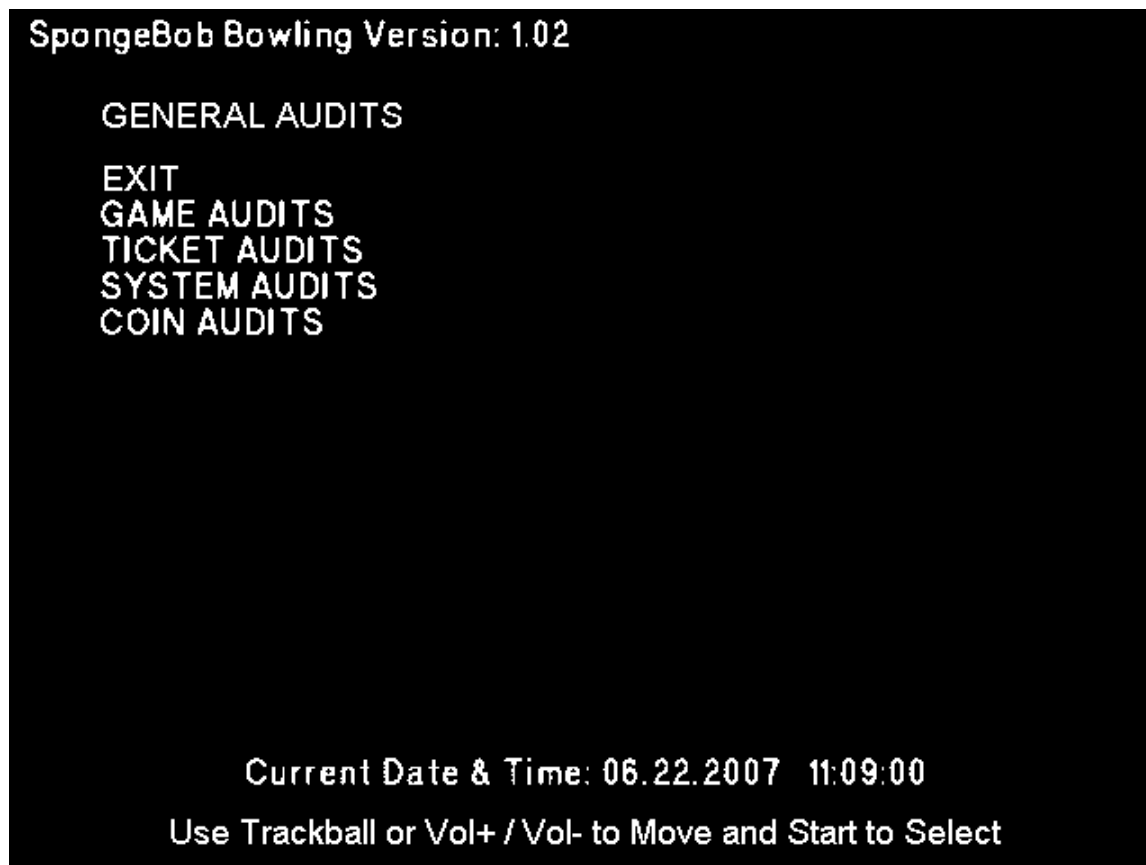
## Settings, Defaults, & Choices

| Setting Name   | Description                               | Default      | Choices                                                                                                                                                                                  |
|----------------|-------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Game Volume    | Sets gameplay volume                      | 1            | Minimum Volume – 32                                                                                                                                                                      |
| Attract Volume | Sets attract sound volume                 | 1            | Minimum Volume – 32                                                                                                                                                                      |
| Minimum Volume | Sets lower boundary for volume            | 0            | 0 - 32                                                                                                                                                                                   |
| Attract Sounds | Select how often Attract Sounds will play | Occasionally | <ul style="list-style-type: none"> <li>Off: Never Plays Attract Sounds</li> <li>Occasionally: Sometimes plays Attract Sounds</li> <li>Always: Constantly Plays Attract Sounds</li> </ul> |

|                            |
|----------------------------|
| <b>Main Menu</b>           |
| <b>General Audits Menu</b> |

### **General Audits Menu**

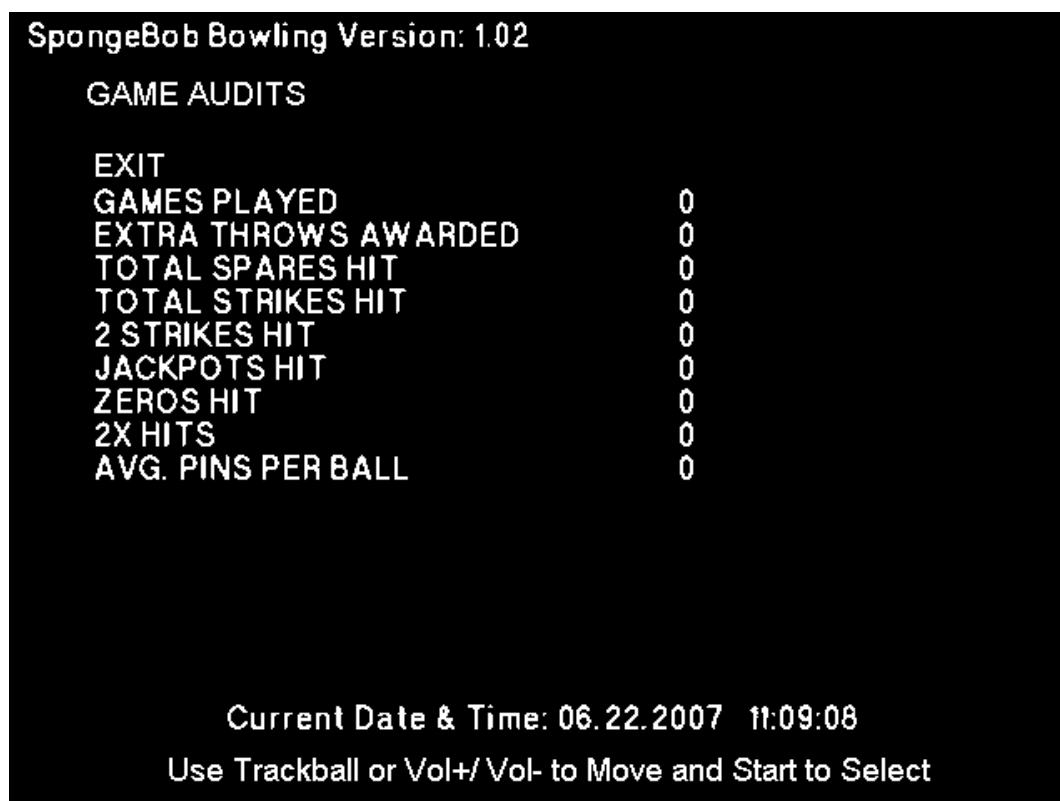
From the Main Menu, select General Audits. From here, you can view records of different aspects of the game, ticket payouts, and coin records.



|                            |
|----------------------------|
| <b>Main Menu</b>           |
| <b>General Audits Menu</b> |
| <b>Game Audits Menu</b>    |

## Game Audits Menu

From the General Audits Menu, select Game Audits.

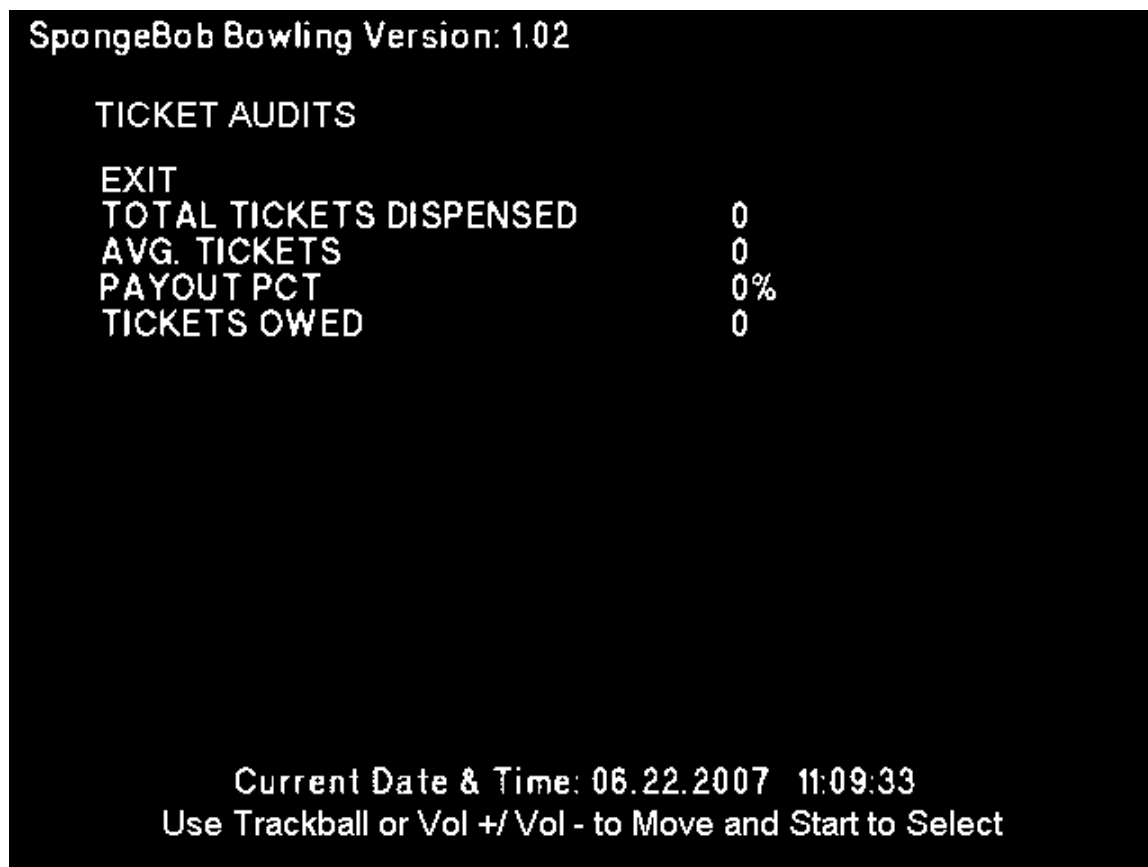


| <b>Audit Name</b>      | <b>Description</b>                                                  |
|------------------------|---------------------------------------------------------------------|
| • Games Played         | Displays total number of games played.                              |
| • Extra Throws Awarded | Displays total number of extra throws awarded.                      |
| • Total Spares Hit     | Displays total number of spares hit.                                |
| • Total Strikes Hit    | Displays total number of strikes hit.                               |
| • 2 Strikes Hit        | Displays total number of times players have hit 2 strikes in a row. |
| • Jackpots Hit         | Displays total number of times players have hit 3 strikes in a row. |
| • Zeros Hit            | Displays total number of 0 pins hit.                                |
| • 2X Hits              | Displays total number of 2X multipliers hit.                        |
| • Avg. Pins Per Ball   | Displays average number of pins knocked down per ball               |

|                            |
|----------------------------|
| <b>Main Menu</b>           |
| <b>General Audits Menu</b> |
| <b>Ticket Audits Menu</b>  |

## Ticket Audits Menu

From the General Audits Menu, select Ticket Audits.

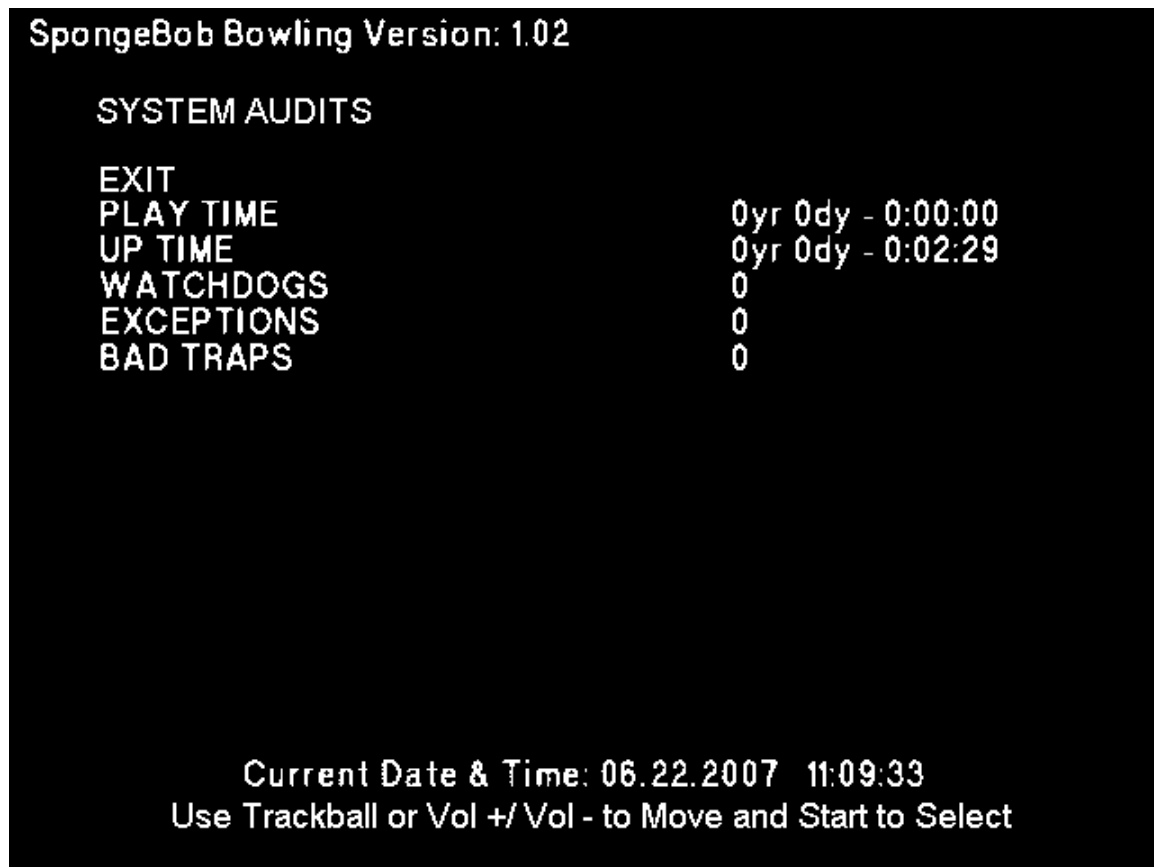


| <b>Audit Name</b>         | <b>Description</b>                                                                                                                                                            |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • Total Tickets Dispensed | Displays total number of tickets dispensed.                                                                                                                                   |
| • Avg. Tickets            | Displays average number of tickets dispensed per play.                                                                                                                        |
| • Payout Pct.             | Displays actual payout percent.                                                                                                                                               |
| • Tickets Owed            | When the ticket dispenser is empty, yet tickets are owed to a player, the machine tracks how many tickets are owed. This audit displays the number of tickets currently owed. |

|                            |
|----------------------------|
| <b>Main Menu</b>           |
| <b>General Audits Menu</b> |
| <b>System Audits Menu</b>  |

## System Audits Menu

From the General Audits Menu, select System Audits.

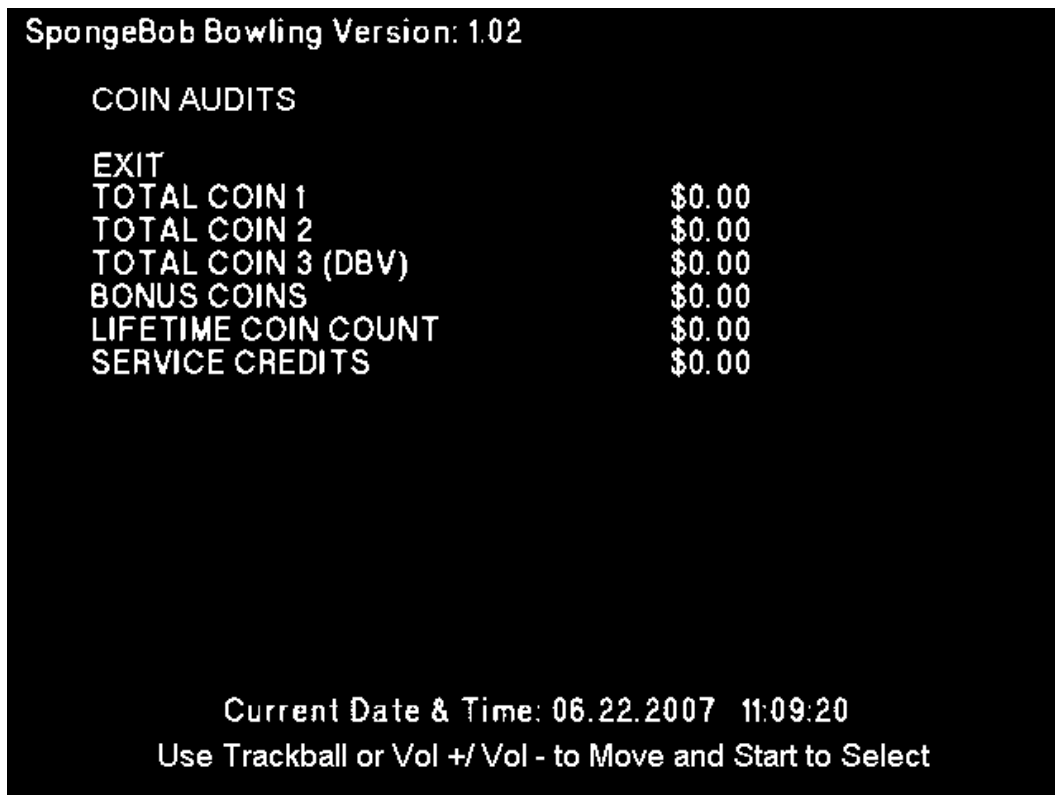


| <b>Audit Name</b> | <b>Description</b>                                      |
|-------------------|---------------------------------------------------------|
| • Play Time       | Displays amount of time the game has been played.       |
| • Up Time         | Displays amount of time the system has been active.     |
| • Watchdogs       | Displays number of times the watchdog reset the system. |
| • Exceptions      | Displays total number of exceptions that have occurred. |
| • Bad Traps       | Displays total number of Bad Traps that have occurred.  |

|                            |
|----------------------------|
| <b>Main Menu</b>           |
| <b>General Audits Menu</b> |
| <b>Coin Audits Menu</b>    |

## Coin Audits Menu

From the General Audits Menu, select Coin Audits.



| Audit Name            | Description                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------|
| • Total Coin 1        | Displays total number of coins inserted in coin comparator 1                                    |
| • Total Coin 2        | Displays total number of coins inserted in coin comparator 2                                    |
| • Total Coin 3 (DBV)  | Displays total number of coins inserted in coin comparator 3                                    |
| • Bonus Coins         | Displays total number of bonus coins awarded                                                    |
| • Lifetime Coin Count | This displays the total number of coins accepted by the machine. It is NEVER reset.             |
| • Service Credits     | This displays the total number of service credits ever added to the machine. It is NEVER reset. |

|            |
|------------|
| Main Menu  |
| Reset Menu |

## Reset Menu

From the Main Menu, select Reset Menu. Selecting any of these options will result in a reset to the default values. **Note: Lifetime Coin Count and Service Credits are not reset.**

### SpongeBob Bowling Version: 1.02

#### RESET MENU

EXIT  
RESET GAME AUDITS  
RESET CREDITS  
RESET TICKETS  
RESET COIN COUNTERS  
RESET ADJUSTMENTS  
FACTORY RESET

Current Date & Time: 06.22.2007 11:09:33  
Use Trackball or Vol +/Vol - to Move and Start to Select

**Main Menu**

**System Tests Menu**

## **System Tests Menu**

From the Main Menu, select System Tests Menu. From here, you can perform tests to ensure that your system is functioning properly.

**SpongeBob Bowling Version: 1.02**

**SYSTEM TESTS**

**EXIT**

**VERSION LIST**

**SWITCH TEST**

**SCREEN TESTS**

**SOUND TEST**

**FILE TEST**

**COIN METER TEST**

**TICKET DISPENSER TEST**

**DIPSWITCH SETTINGS**

**LAMP FLASH TEST**

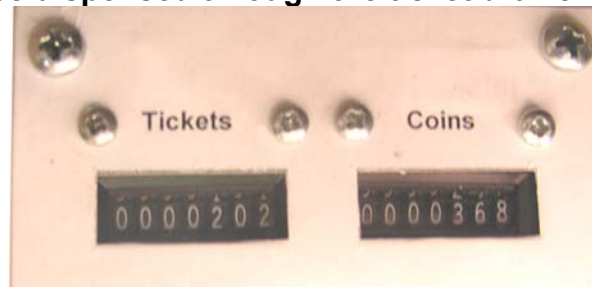
**WATCHDOG TEST**

**TRACKBALL TEST**

**Current Date & Time: 06.22.2007 11:09:33**

**Use Trackball or Vol +/- Vol - to Move and Start to Select**

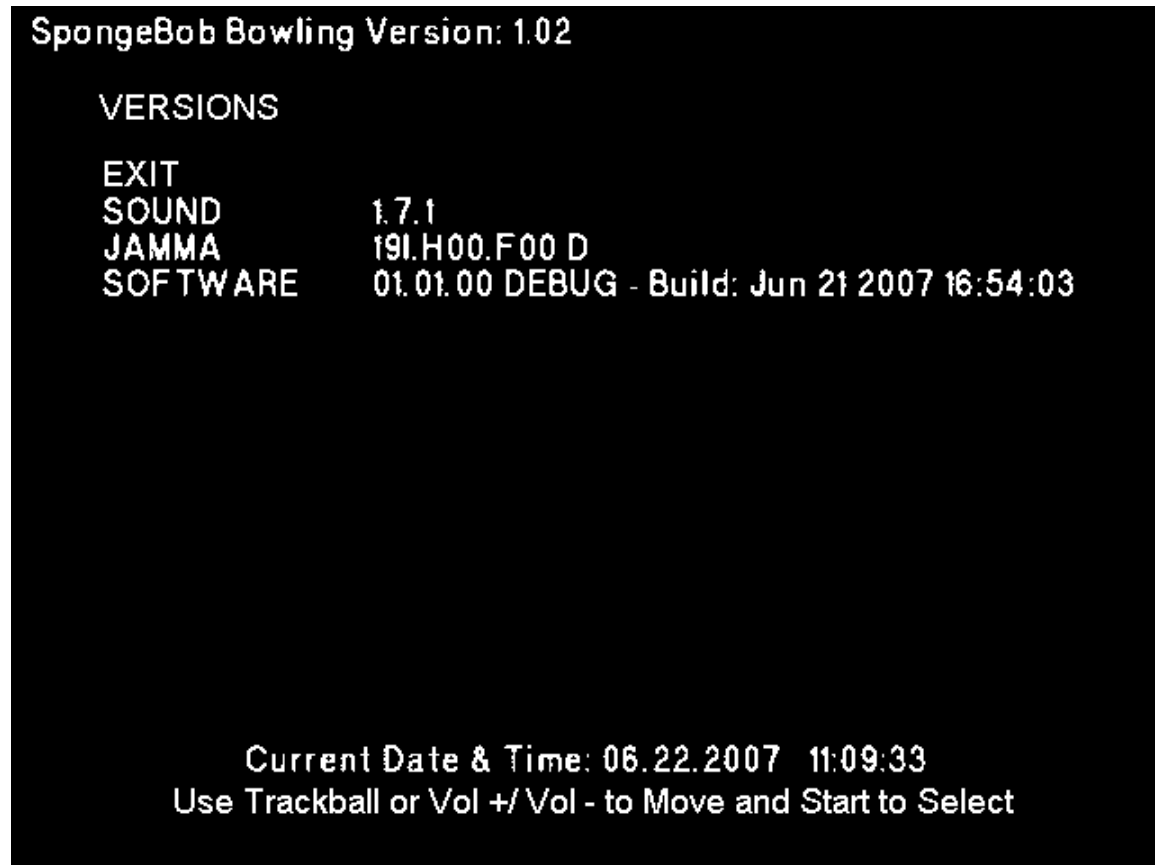
**Note: The Coin Meter Test and Ticket Dispenser Test do not open up submenus. To perform a Coin Meter Test, open the coin collection door and locate the Coin Meter. Selecting Coin Meter Test should cause the coin meter to add another number. Selecting Ticket Dispenser Test should cause a ticket to be dispensed through the ticket drawer.**



|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>Version List Menu</b> |

## Version List Menu

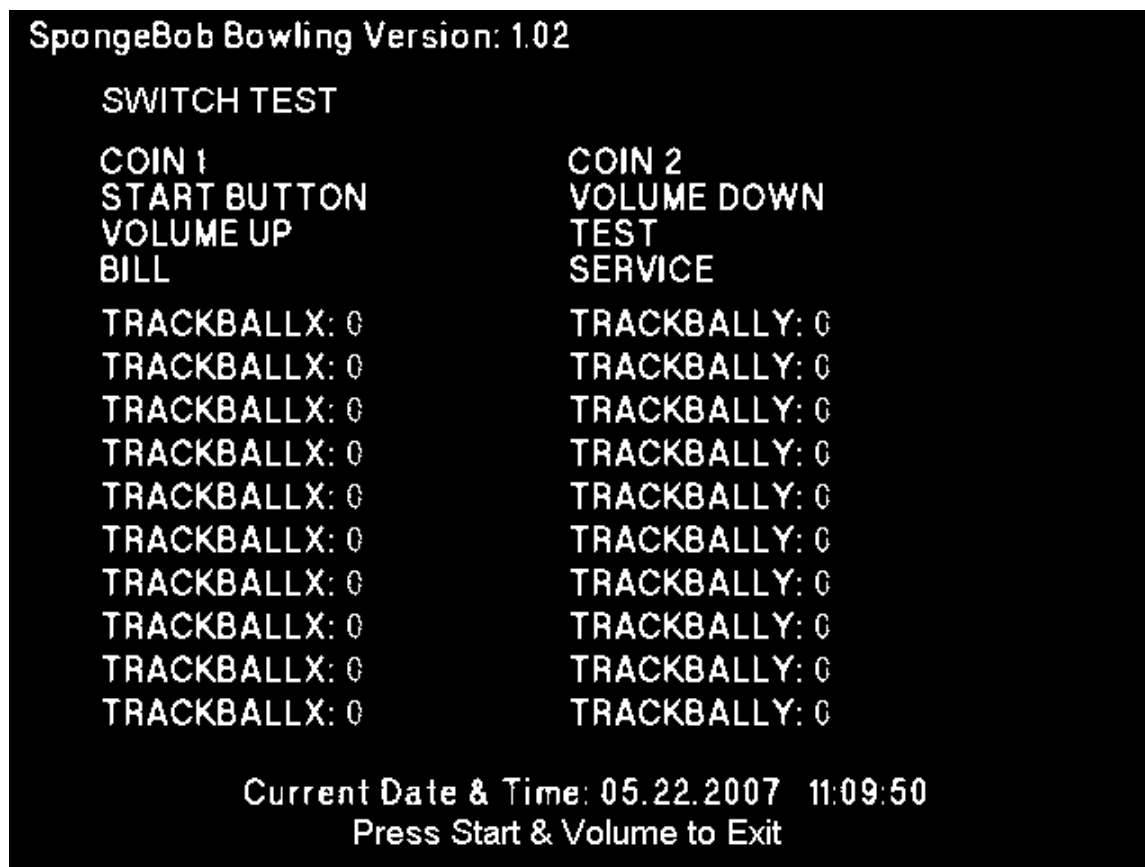
From the System Tests Menu, select Version List. This displays the versions of software, JAMMA, and sound on the machine.



|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>Switch Tests Menu</b> |

## Switch Tests Menu

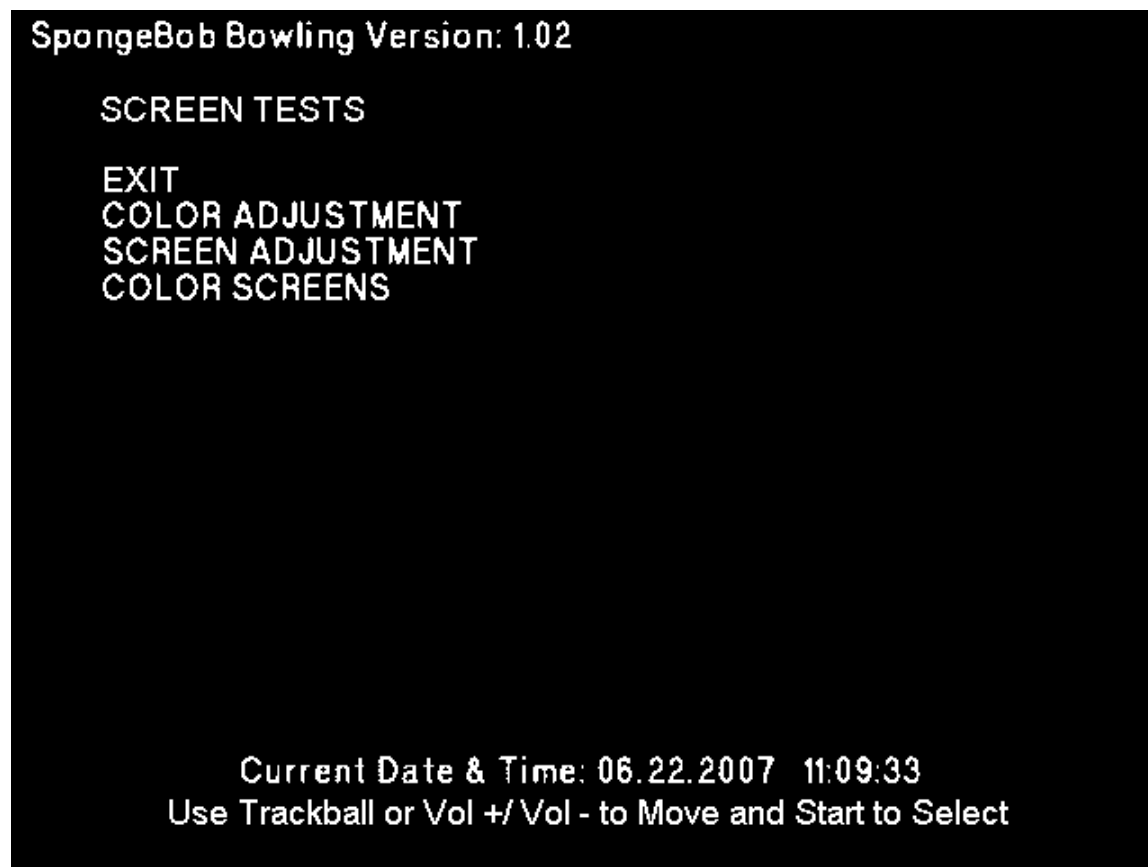
From the System Tests Menu, select Switch Tests. In this test, pressing buttons should cause the corresponding name to be highlighted in the menu.



|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>Screen Tests Menu</b> |

## **Screen Tests Menu**

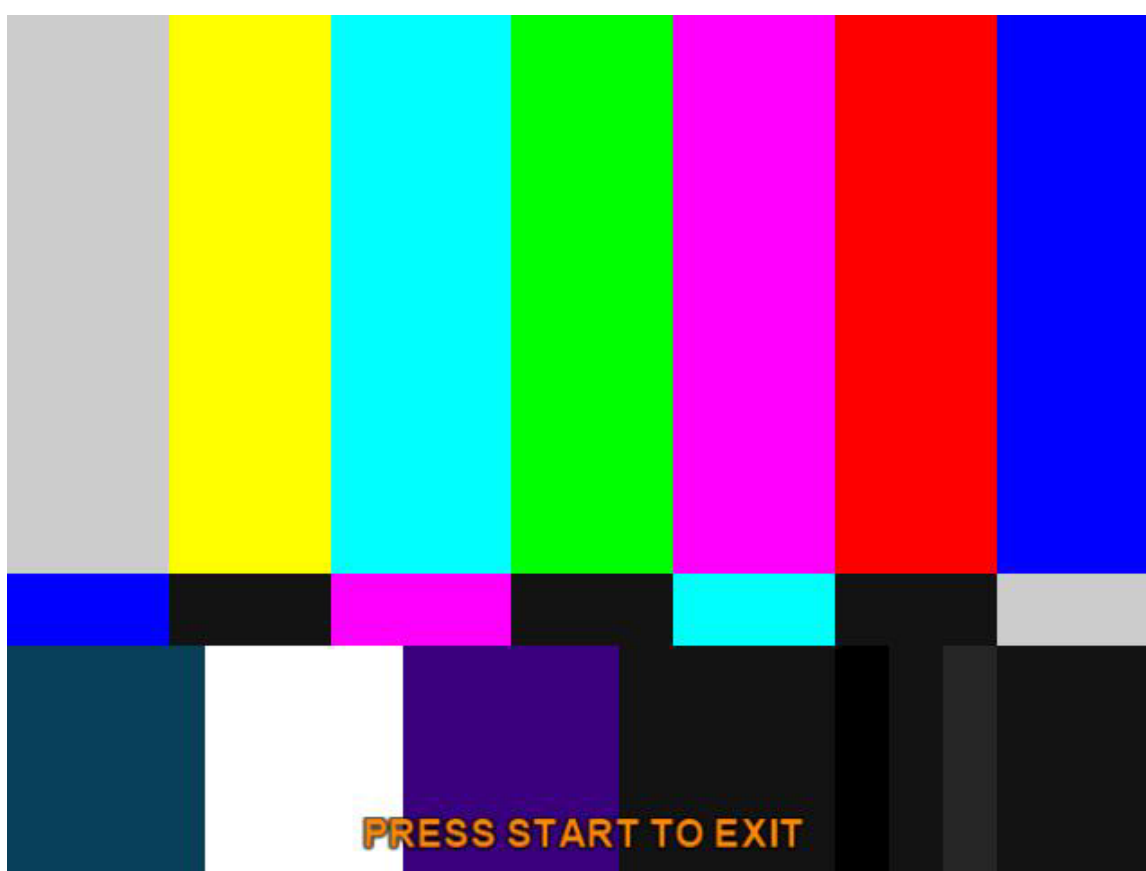
From the System Tests Menu, select Screen Tests.



|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>Screen Tests Menu</b> |
| <b>Color Adjustment</b>  |

## Color Adjustment

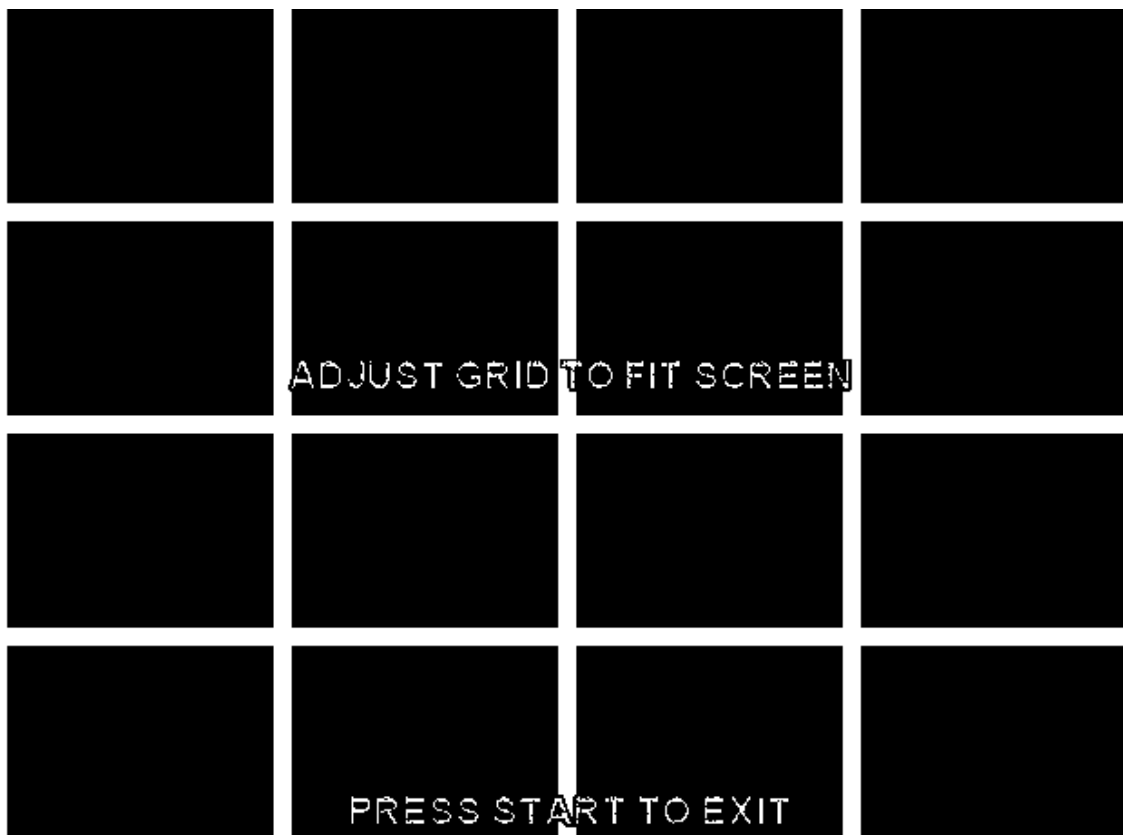
From the Screen Tests Submenu, select Color Adjustment. The color bars help when making adjustments to the monitor. Press Start to exit.



|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>Screen Tests Menu</b> |
| <b>Screen Adjustment</b> |

## Screen Adjustment

From the Screen Tests Submenu, select Screen Adjustment. The Screen Adjustment Grid helps in adjusting the size and position of the monitor screen.



|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>Screen Tests Menu</b> |
| <b>Color Screens</b>     |

## Color Screens

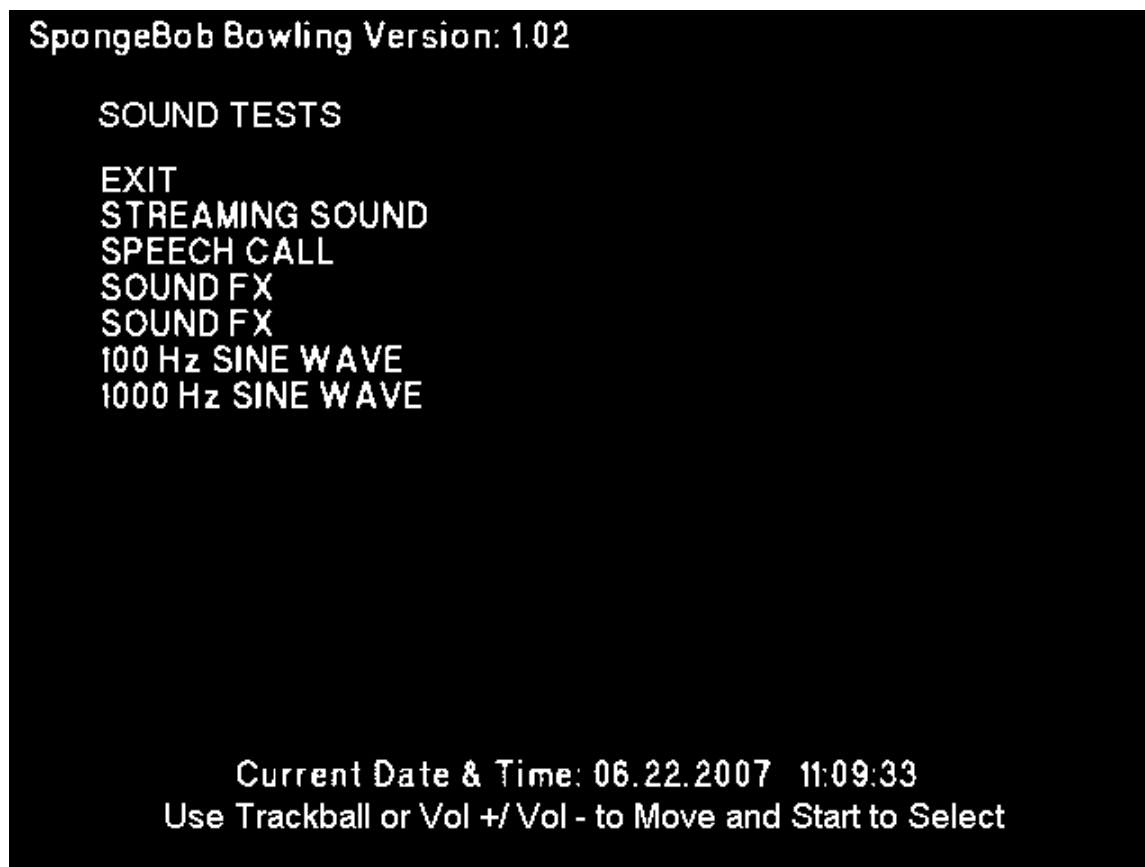
From the Screen Tests Menu, select Color Screens. Pressing the Start button will cycle through the different color screens, which are Black, White, Green, Red, and Blue.



|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>Sound Tests Menu</b>  |

## Sound Tests Menu

From the System Tests Menu, select Sound Tests. From here, you can test that different sounds are working properly.

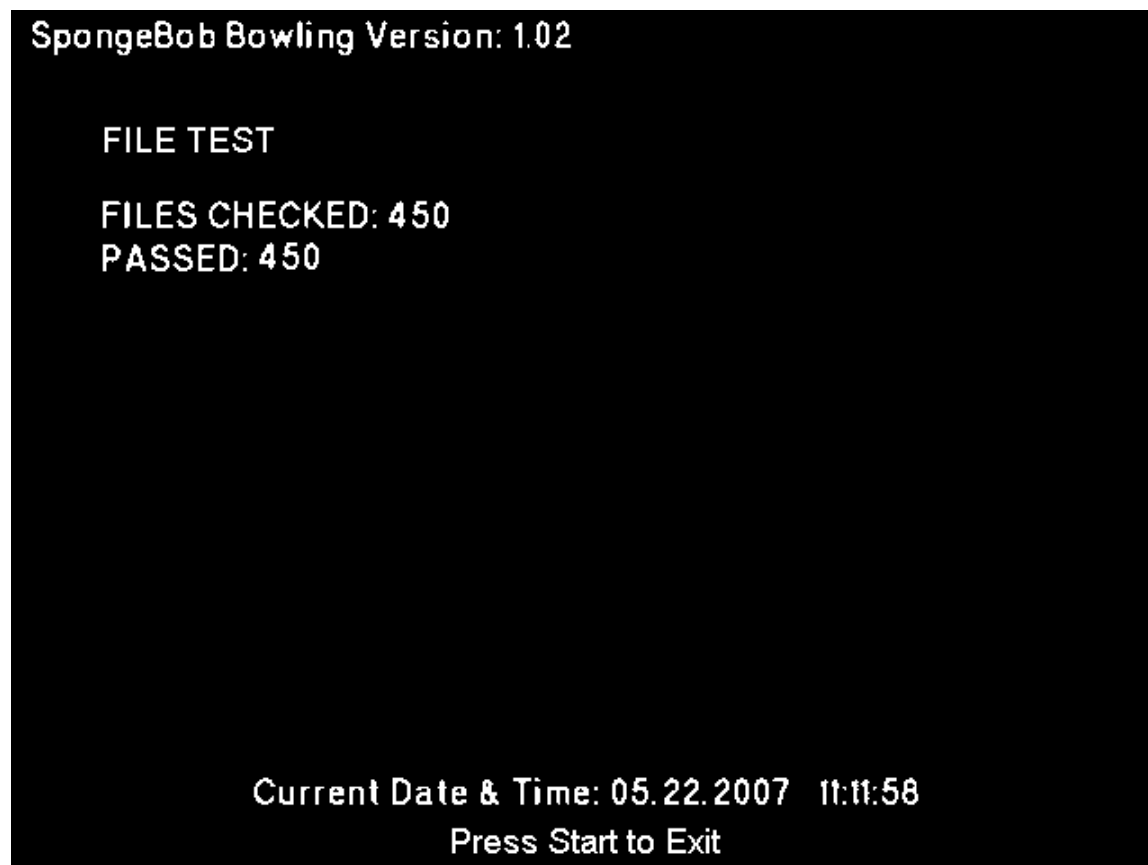


| Sound Test          | Description                                     |
|---------------------|-------------------------------------------------|
| • Streaming Sound   | Selecting this test plays the games music.      |
| • Speech Call       | Selecting this test plays Spongebob's voice.    |
| • Sound FX          | Selecting this test plays the bubble effect.    |
| • Sound FX          | Selecting this test plays the pin crash effect. |
| • 100 Hz Sine Wave  | Selecting this test plays a 100 Hz sine wave.   |
| • 1000 Hz Sine Wave | Selecting this test plays a 1000 Hz sine wave.  |

|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>File Test</b>         |

## **File Test**

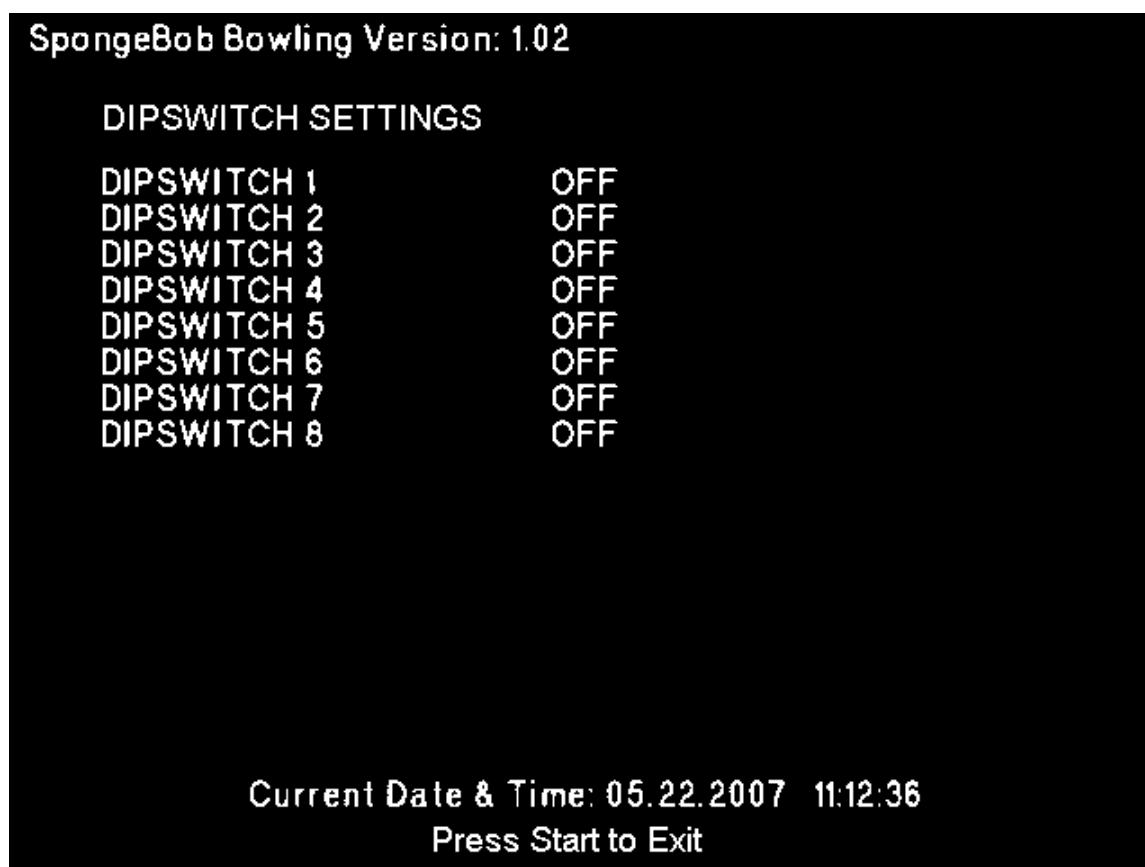
To run the File Test, select File Test from the System Tests Submenu.



|                           |
|---------------------------|
| <b>Main Menu</b>          |
| <b>System Tests Menu</b>  |
| <b>Dipswitch Settings</b> |

## Dipswitch Settings

From the System Tests Menu, select Dipswitch Settings. This displays the current position of the dipswitches. The default dipswitch settings are OFF, or in the up position on the I/O board.



|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>Lamp Flash Test</b>   |

## Lamp Flash Test

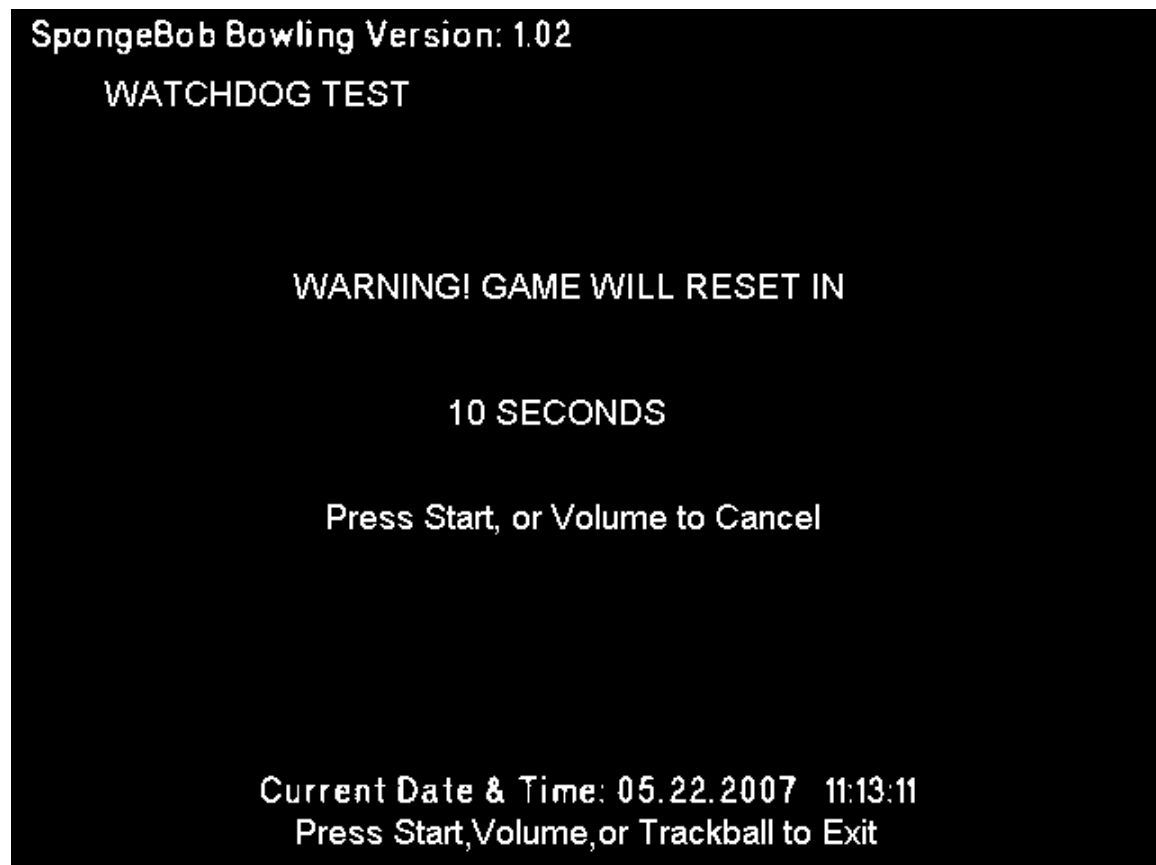
From the System Tests Menu, select Lamp Flash Test. The Lamp Flash Test begins. During this test, the Start button should be lit up when the screen indicates so. The button should be dark when the lamp is off. Press Start to exit.



|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>Watchdog Test</b>     |

### **Watchdog Test**

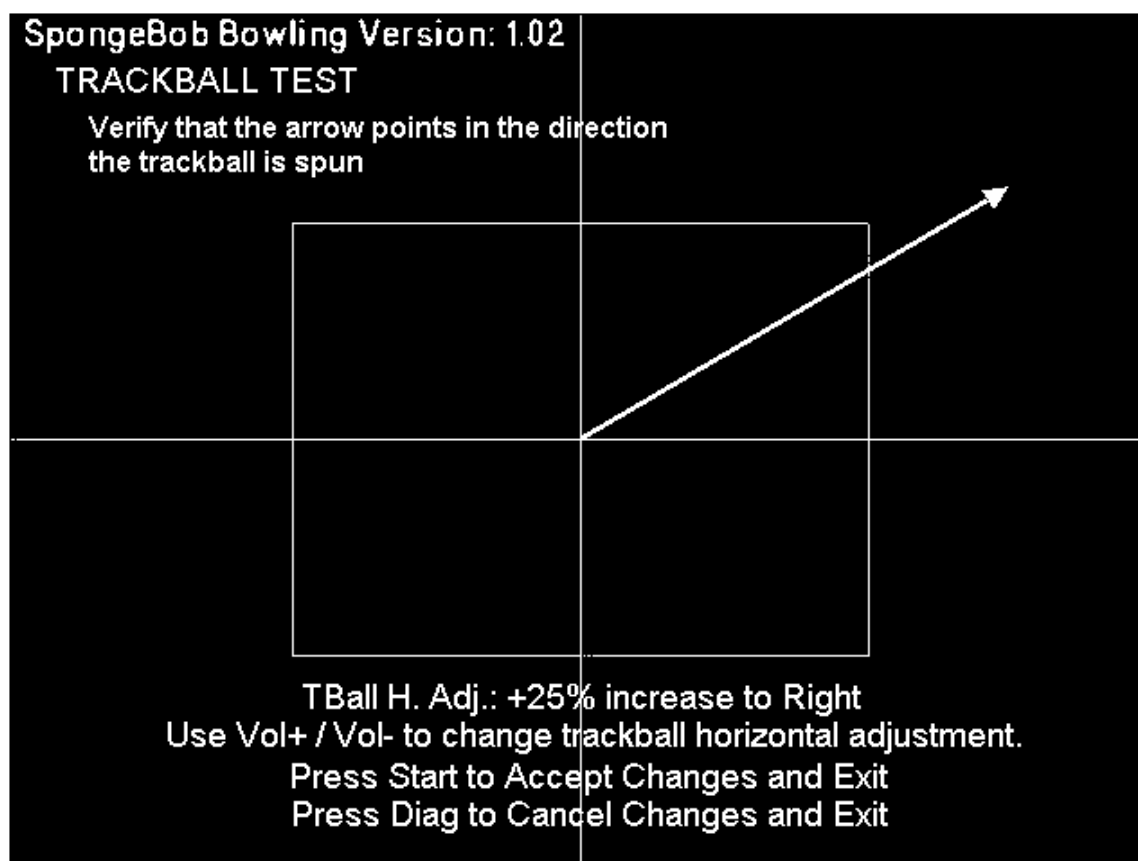
To begin the Watchdog Test, select Watchdog Test from the System Tests Menu. Pressing Start or Volume will exit the Watchdog Test.



|                          |
|--------------------------|
| <b>Main Menu</b>         |
| <b>System Tests Menu</b> |
| <b>Trackball Test</b>    |

## Trackball Test

To initiate Trackball Test, select Trackball Test from the System Tests Menu. The screen shows the direction the trackball is rolled. If the arrow does not point in the correct direction, the trackball can be horizontally calibrated to correct for the error. Vol+ increases the calibration to the right, while Vol- increases the calibration to the left. The trackball can be set between 100% to the left and 100% to the right.



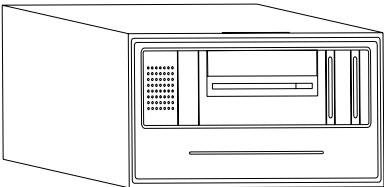
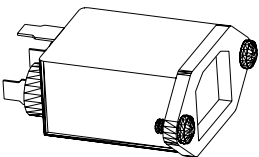
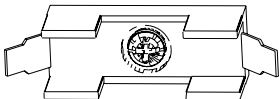
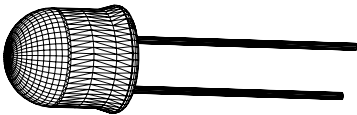
## Main Cabinet

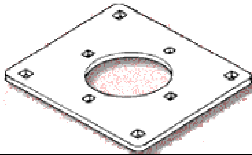
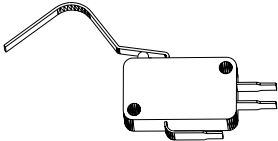
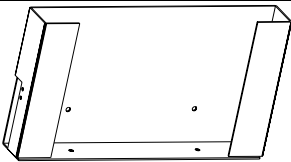


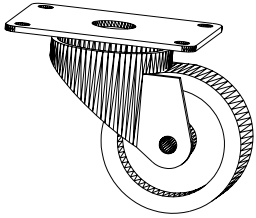
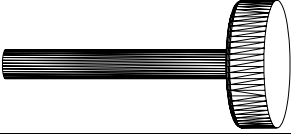
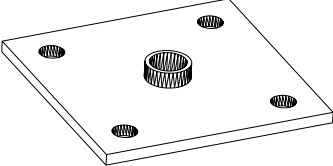
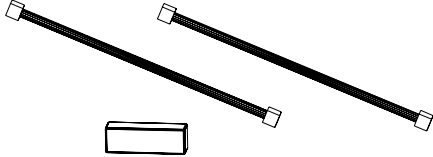
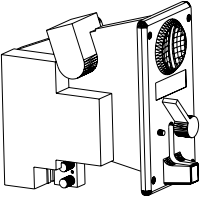
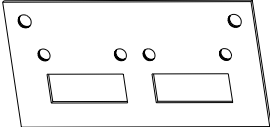
## Parts List

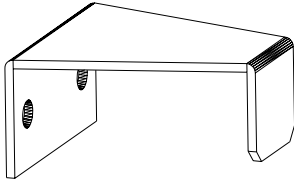
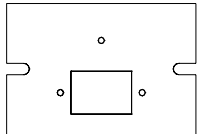
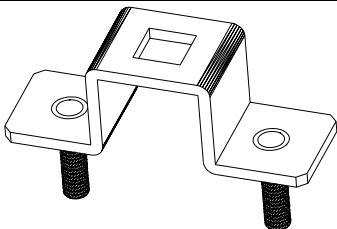
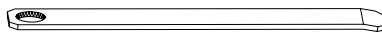
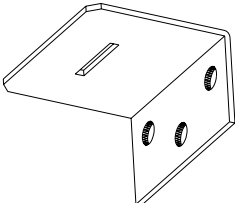
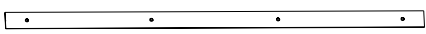
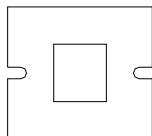
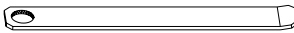
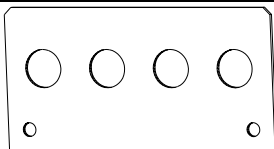
| Part Picture                                                                        | CGC Part Number | Part Name             | QTY |
|-------------------------------------------------------------------------------------|-----------------|-----------------------|-----|
|    | BBB-ART-BEZEL   | Bezel Art             | 1   |
|    | BBB-ART-LFTSIDE | Left Side Art         | 1   |
|    | BBB-ART-LOWERFT | Lower Front Panel Art | 1   |
|    | BBB-ART-LOWMARQ | Lower Marquee Art     | 1   |
|   | BBB-ART-POLYCPO | Control Panel Overlay | 1   |
|  | BBB-ART-RGTSIDE | Right Side Art        | 1   |
|  | BBB-ART-TOPMARQ | Top Marquee Art       | 1   |
|  | BBB-ART-UPPERFT | Upper Front Panel Art | 1   |

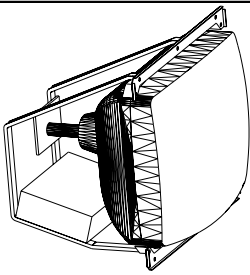
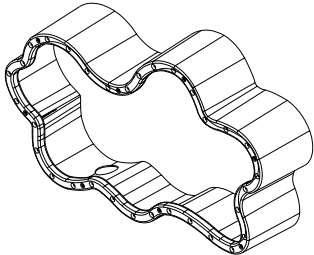
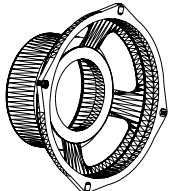
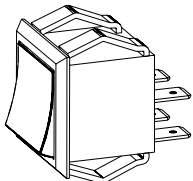
| Part Picture                                                                        | CGC Part Number | Part Name             | QTY |
|-------------------------------------------------------------------------------------|-----------------|-----------------------|-----|
|    | BBB-CAB-BACDOOR | Back Door             | 1   |
|    | BBB-CAB-CPSHELF | Computer Shelf        | 1   |
|   | BBB-CAB-MAINCAB | Main Cabinet          | 1   |
|  | BBB-CAB-TOPBOX1 | Top Box Wood Panel    | 1   |
|                                                                                     | BBB-CBL-BJAMMA  | JAMMA Cable           | 1   |
|                                                                                     | BBB-CBL-CHSPWR  | BBB Chase Light Power | 1   |
|                                                                                     | BBB-CBL-MLAMP1  | Marquee Lamp 1 Cable  | 1   |
|                                                                                     | BBB-CBL-MLAMP2  | Marquee Lamp 2 Cable  | 1   |
|                                                                                     | BBB-CBL-MLAMP3  | Marquee Lamp 3 Cable  | 1   |
|                                                                                     | BBB-CBL-MLAMP4  | Marquee Lamp 4 Cable  | 1   |
|                                                                                     | BBB-CBL-PCPOWER | PC Power Cable        | 1   |
|                                                                                     | BBB-CBL-POWER   | BBB A/C Power         | 1   |
|                                                                                     | BBB-CBL-TICKLOW | Ticket Low Cable      | 1   |
|                                                                                     | BBB-CBL-TRCKBAL | BBB Trackball Cable   | 1   |

| Part Picture                                                                                                 | CGC Part Number | Part Name                                           | QTY |
|--------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------|-----|
|                             | 000-ELE-ACFAN   | A/C Fan                                             | 1   |
|                             | BBB-ELE-COMPUT1 | CPU ASSEMBLY                                        | 1   |
|                             | BBB-ELE-DONGLE  | Security Dongle                                     | 1   |
|                             | 000-ELE-FILTINL | Filter, Yunpen 6A, IEC connector                    | 1   |
|                            | 000-ELE-FUSHOLD | Fuse Block                                          | 1   |
|                           | BBB-ELE-IOPCB1  | I/O Board                                           | 1   |
|                           | 000-ELE-WHT5LED | Bright White LED T5                                 | 32  |
|                           | 000-FUS-5A250V  | 5A 250V Fast Blow Fuse                              | 1   |
|                                                                                                              | 000-GLS-239375S | 23 15/16" x 23 15/16"<br>Front Glass                | 1   |
|  | 000-HAP-3TBALL  | 3" Trackball (white)<br>(Happ Part # 56-0100-11HLB) | 1   |
|                           | 000-HAP-5VMETER | 5V Meter<br>(Happ Part # 42-0756-07)                | 2   |

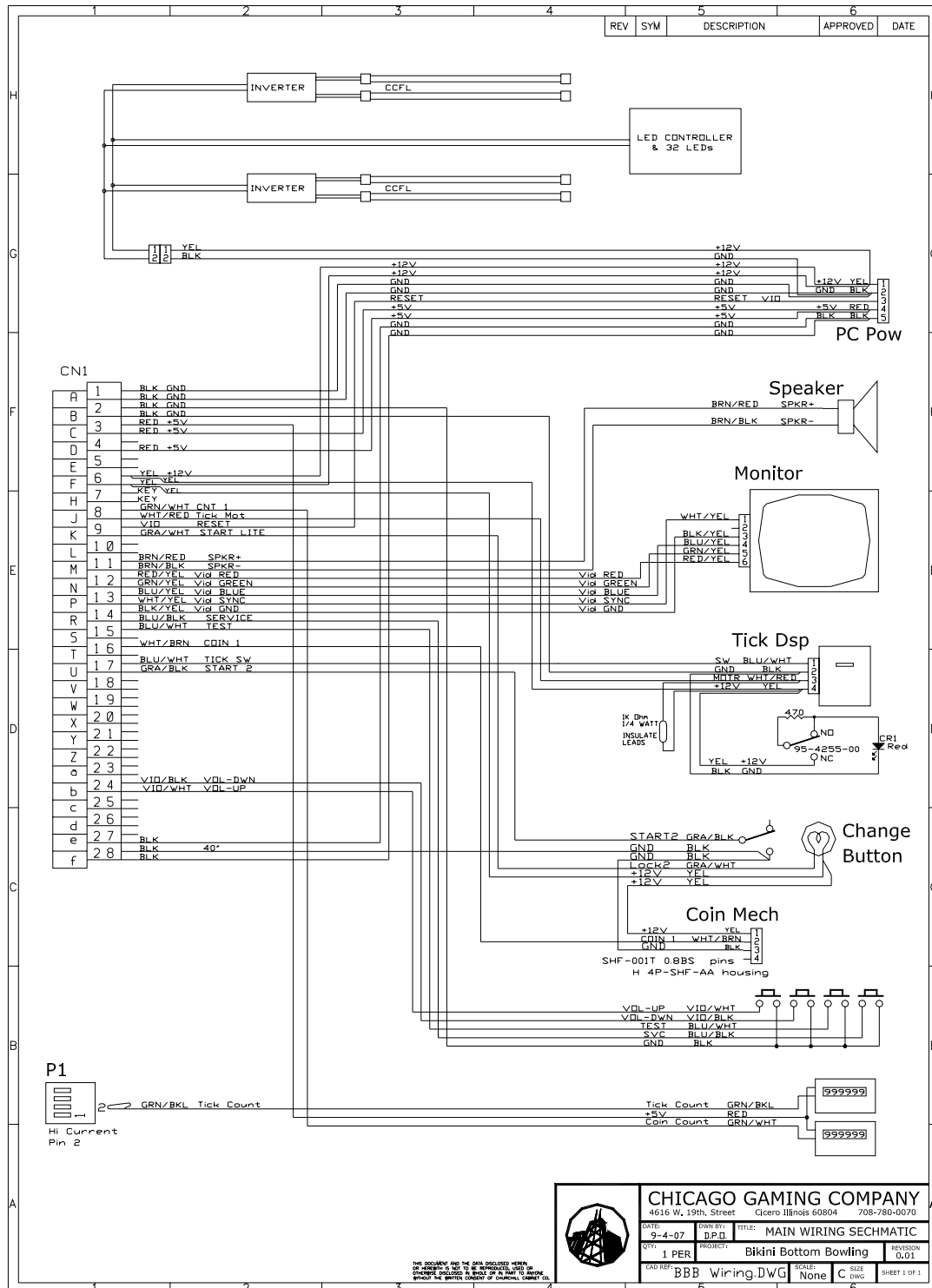
| Part Picture                                                                        | CGC Part Number | Part Name                                                                                 | QTY |
|-------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------|-----|
|    | 000-HAP-COINBOX | Plastic Coin Box<br>(Happ Part # 42-1102-10)                                              | 1   |
|    | 000-HAP-DISPLAT | Ticket Dispenser<br>Mounting Plate<br>(Happ Part # 42-1268-00)                            | 1   |
|    | 000-HAP-LAMPPCB | Top Box PCB<br>(Happ Part # 104-0050)                                                     | 1   |
|    | 000-HAP-LBUTTON | Large Round Button<br>(Illuminated, Yellow)<br>(Happ Part # 54-0004-15)                   | 1   |
|  | 000-HAP-MBUTTON | Miniature Round<br>Pushbutton (Black<br>Bezel, Yellow Center)<br>(Happ Part # 49-0577-05) | 4   |
|  | 000-HAP-SMDOOR  | Coin Door (Blank)<br>(Happ Part # 40-0057-00)                                             | 1   |
|  | 000-HAP-TBALPLT | 3" Trackball Plate<br>(Happ Part # 55-0265-00)                                            | 1   |
|  | 000-HAP-TICSWIT | Ticket Switch<br>(Happ Part # 95-4255-10)                                                 | 1   |
|  | 000-HAP-TICTRAY | Ticket Tray<br>(Happ Part # 42-0539-00)                                                   | 1   |
|  | 000-HDW-18GLIDE | 18" Drawer Glide                                                                          | 4   |

| Part Picture                                                                        | CGC Part Number  | Part Name                                                 | QTY |
|-------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------|-----|
|    | 000-HDW-3SCASTE  | 3" Swivel Caster                                          | 4   |
|    | 000-HDW-5LEGLEV  | 1/2 " Leg Leveler                                         | 4   |
|    | 000-HDW-5LEGPLT  | 1/2" Leg Leveler Plate                                    | 4   |
|    | 000-LMP-12CCFL   | 12" Cold Cathode Florescent Light Kit                     | 1   |
|   | 000-LMP-18FLORE  | 18" Florescent Lamp                                       | 1   |
|  | 000-LMS-18-FLORE | Florescent Light Fixture (Single Bulb 18" Long)           | 1   |
|  | 000-MCH-COINCOM  | Electronic Coin Mech.<br>(Betson Part # 40-1500-02)       | 1   |
|  | 000-MCH-DL1275   | Ticket Dispenser<br>Deltronics DL-1275<br>Continuous Type | 1   |
|  | BBB-MLS-CNTRBRK  | Counter Mount Bracket                                     | 1   |

| Part Picture                                                                        | CGC Part Number  | Part Name              | QTY |
|-------------------------------------------------------------------------------------|------------------|------------------------|-----|
|    | BBB-MLS-DRWRPUL  | Drawer Pull Tab        | 1   |
|    | 000-MLS-FANPLAT  | Fan Plate              | 1   |
|    | 000-MLS-FUSPLT   | Power Inlet Plate      | 1   |
|    | BBB-MLS-LOCKCAM  | Lock Dual Cam          | 1   |
|  | BBB-MLS-LONGLAT  | Lock Long Latch        | 1   |
|  | BBB-MLS-LSUPRT   | Latch Support Bracket  | 2   |
|  | BBB-MLS-MARQBOT  | Marquee Bottom Bowling | 1   |
|  | BBB-MLS-MARQTOP  | Marquee Mount Top      | 1   |
|  | 000-MLS-PWRPLT   | Power Switch Plate     | 1   |
|  | BBB-MLS-SHORTLAT | Lock Short Latch       | 1   |
|  | BBB-MLS-SVCPNL   | Service Button Panel   | 1   |

| Part Picture                                                                        | CGC Part Number | Part Name                                                       | QTY |
|-------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------|-----|
|    | 000-NEO-24S501  | 24" CGA Monitor<br>(Neotec Part # S-501)                        | 1   |
|    | 000-PLF-24BEZEL | Bezel                                                           | 1   |
|   | BBB-PLF-TOPBOX1 | Top Box Vacuum Form                                             | 1   |
|  | 000-SPK-5IN8OHM | Speakers 8 Ohm 5-1/2"<br>(5060CESH)                             | 1   |
|  | 000-SWC-ALCO16A | Alcoswitch, 16A,<br>Double Pole, Single<br>Throw, Rocker, Black | 1   |

# Wiring Schematic



For Technical Assistance and parts call Chicago Gaming Company at (708) 780-0070