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Williams slot machine manual

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Can You Chip In? We're the Internet Archive, a nonprofit fighting for universal access to quality information. We build and maintain our own systems but don't charge for access, sell user info, or run ads. Instead, we rely on online donations averaging $15.58. If you find our resources useful, please consider contributing this Friday. Every bit counts! Table of Contents Skid-resistant audio effect. Be cautious when mounting games with a maximum weight capacity of 452 lbs (205 kg). Verify that any non-WMS game stands meet this requirement to avoid warranty voidance and potential distortion of the cabinet, including difficulties closing and locking the Main Door. The BBU-Video features power dissipation and BTU ratings listed in Table 1-3. These values are based on a 120VAC configuration with Bill Acceptors installed. The British Thermal Units (BTUs) were calculated using the equation: BTUs = 3.413 * voltage * current, neglecting any decrease due to actual work performed. The Main Door is a two-part design comprising a Lower Door and a full door that opens with an upper latch. The Door Switch confirms proper closure and puts the game into play mode. Hard Meters track Coins In, Coins Out, Coins Drop, Bills In, Jackpots, and Blank information. The WMS SMIB Mounting Plate may be removed by disengaging the pull pin securing it to the Top Box. The mounting hardware includes posts that engage keyholes on the Top Box. If applicable, the Progressive Meter mounts into the game Top Box. This chapter contains information about RoHS CPU-NXT and CPU-NXT2 enclosures, including component identification and CompactFlash slots. Remember not to remove the PCB from the enclosure. CPU-NXT and CPU-NXT2 Enclosures: Features and Safety Precautions The CPU-NXT2 has two CompactFlash slots and ten cable connectors, with separate slots for operating system (OS) and game software. The Logic Door, covering the PCB and CompactFlash cards, must be unlocked before installing or removing the CPU-NXT2. In select jurisdictions, a metal cover plate protects the Ethernet/USB ports on CPU-NXT and CPU-NXT2 enclosures. The Bulkhead Board connects most game components, including peripherals. Safety Features: Liquid Diversion, Electrical Requirements, and Radio Interference The Bluebird Upright cabinet includes several safety features to prevent electrical shocks and liquid damage. Verify proper grounding and outlet verification before powering the device. Follow guidelines for connecting devices and servicing gaming equipment. Electrical Requirements: FCC Interference Notice: This equipment complies with Class B digital device limits, providing reasonable protection against harmful interference in commercial environments. Line Voltage: The main power supply automatically detects and adjusts to the proper line voltage needed for the game. Chapter 2: Installation and Preparation ESD Prevention: Prevent electrostatic discharge by following guidelines. Install Game onto Stand: Follow instructions for setting up the game on its stand. Lock Specifications: Check lock specifications for CPU and cashbox locks. Power Setup: Verify proper power setup, including line voltage and grounding. Verify LCD Connection: Ensure LCD connection is secure. Bulkhead Board Jumper Settings: Set jumper settings according to bulkhead board specifications. Bill Acceptor Jumpers: Adjust bill acceptor jumpers as needed. Progressive Port Jumpers: Configure progressive port jumpers for game functionality. Installing the Top Box: Refer to Figure 2-1 for top box installation instructions. When installing a BBU game, ensure that any non-WMS game stand specifications meet the maximum weight requirement of 452 lbs (205 kg). Inadequate game stands may void the WMS Warranty and cause distortion in the game cabinet, including issues with closing and locking the Main Door. To secure the game, use four bolts for stability and security, as required by WMS. Failure to do so may lead to cabinet warping. For lock specifications, refer to Table 2-2 (metric), which provides details on rotation, designed extended lock length, and lock location. When installing a second lock, complete the steps outlined in Figure 2-3 (A) to remove the cover plate. If a Belly LCD is installed, verify that the VGA cable is connected to the CPU Board, as shown in Figure 2-5. The Bulkhead Board includes ten jumpers that determine game communication interface settings with the Bill Acceptor, Progressive System, and Host System(s). Three jumpers on the Bulkhead Board control the type of progressive system and interface used by the game. The Jumper at JP4 must be set to RS485 (Figure 2-9) for compatibility. To install the Top Box, take necessary precautions against ESD: turn off the game, remove the AC Line Cord from the Power Entry Assembly, and ensure that all static-sensitive components are handled with care. Mount two Crown Pieces to the front of the Top Box Frame and complete electronic connections as per Table 2-8. and confirm that there is access to the Top Box Connector Plate, which is located in the left section of the Top Box. This information can be found in Figure 2-17. The Chapter 3 Maintenance Overview provides a summary of the tasks required to maintain WMS games. These tasks are divided into three categories: Drop Crew Attendants, Technicians, and others. Table 3-1 identifies the specific responsibilities for each group. The procedures for removing the Bill Acceptor and Cashbox from the Bill Acceptor BBU are described in this section. To remove the Bill Acceptor, complete the following steps: first, unlock and open the Belly Door. The Button Panel Maintenance section provides instructions for maintaining the button panel, including inserting an LED into the button socket. To replace the lens and button insert, follow these steps: first, replace the saved insert onto the button; then, snap the lens back onto the button by pushing straight down at the center. Next, disconnect the Belly Light cable from the Belly Light cable connector, remove the hex screws securing the Belly Light Bracket, and remove the Keps nuts securing the bracket. The Install Button Panel instructions involve sliding the panel into the bracket from the inside of the door and routing the cables through a cable clamp. Finally, the Replace SPN Components section provides procedures for replacing Smart Peripheral Network components, including mounting the Universal Animator to the SPN Bracket. The following procedures must be followed. Chapter 3: Maintenance - Install the SPN Complete the procedures below to mount and connect the SPN Distribution Board (A-012604-02-00). To mount the SPN Board, complete the follwing steps: Mount SPN Board to Bracket. Before handling the SPN Distribution Board or any PCB, confirm ESD precautions are followed. Install the SPN Distribution Board by aligning the two mounting holes on the SPN Bracket with the top two 8-32 mounting studs on the left wall of the cabinet. Replace the ground braid over the top 8-32 mounting stud and the SPN Distribution Board. Connect the SPN Distribution Board by connecting either end of the 8-pin DC Power Cable to either of the 8-pin connectors on the SPN Distribution Board. If no SPN Distribution Board is present, connect the Universal Animator by connecting the 8-inch Ribbon Cable to the Universal Animator. The Bose Sound System features superb sound quality and clear directionality. To adjust the volume, complete the follwing steps: Note that the Bose Sound System contains no serviceable parts and must be replaced as a unit. Do not remove speaker screens. Chapter 4 Troubleshooting - Table of Contents Overview. Tower Light Codes. Basic Game Troubleshooting. Diagnostic Tools Cash Devices Diagnostics Bill Acceptor Test Coin Acceptor Diagnostics Hopper Diagnostics Printer Diagnostics Progressive Diagnostics WMSP Diagnostics - Traffic Statistics WMSP Diagnostics - Link Statistics SPN Diagnostics The purpose of this chapter is to guide the troubleshooting steps and considerations for the BBU Video game. In addition to several basic conditions, this chapter explains the functionality of diagnostic tools that thoroughly ensure game functionality, as well as tools for identifying operational errors in the game. Basic Game Troubleshooting - refer to Table 4-2 for a list of basic BBU troubleshooting steps. The game is plugged in and the LCD is blacked out - check the power cord from the Power Entry Assembly to the power source. Tower Light not working - check to see if Tower Light is connected to Top Box Connector Plate, check connection to Bulkhead Board, replace Tower Light Bulbs, or replace CPU. Diagnostic Tools - Diagnostic CPU-NXT includes diagnostic tools to test game components and verify functionality. that are tested using Administration Menu include Compact Flash EEPROMS Bill Acceptor Coin Acceptor Hopper Printer Reference troubleshooting sections for detailed steps on these components Cash Devices Diagnostics Menu initiate a Bill Acceptor Test complete steps 1 Select Diagnostics 2 InputOutput Diagnostics 3 Cash Device Diagnostics 4 Bill Validator Diagnostic screen displays message regarding inserted bill or voucher denotes successful rejection Press Exit Return to Game After time-out period Bill Acceptor rejects bill or voucher automatically Coin Acceptor Hopper Printer Diagnostics test these components complete steps 1 Select Diagnostics 2 InputOutput Diagnostics 3 Cash Devices Diagnostics 4 select component diagnostic screen displays press Exit Return to Game WMSP Diagnostics displays WMS Progressive traffic data corresponding to game complete steps 1 From Administration Menu Select Diagnostics 2 Select WMSP Diagnostics Select WMSP Link Statistics SPN Diagnostics displays Smart Peripheral Network traffic data corresponding to game complete steps 1 From Administration Menu Select Diagnostics 2 Select SPN Diagnostics 1 Select Diagnostics, Figure 4-15. 2 Then select SPN Diagnostics, Figure 4-15. 3 Next, select SPN Link Statistics, Figure 4-16. Chapter 4: Troubleshooting To perform an SPN device diagnostic test, click Start next to the desired device. The Device Diagnostics screen displays the device actively running its diagnostic test, Figure 4-19. Table 4-3 provides information on individual SPN device diagnostic tests. Using SVC/GAT Select SVC/GAT, Figure 4-21. The SVC Authentication Interface screen is displayed, Figure 4-22. Depending on the component selected, an information screen displays, identifying Part Number, Function, Media Type, Media Size, and Time Since Last Verified, Figure 4-23. Follow the instructions provided to perform the authentication, Figure 4-24. Tilt Codes Refer to Table 4-4 for a definition and possible solutions for tilts displayed by a CPU-NXT game. Display Definition Possible Solution(s) Assert Fail Message displays: When doing a RAM clear, wait for it to complete. Closure D Drop Door was closed. No action required. Error clears after one game is played. Closure H Hatch Door was closed. (Slant) No action required. Error clears after one game is only played. **Troubleshooting** If you're experiencing issues with your Bluebird Upright (BBU) video cabinet, try the following steps to resolve them: 1. Force a restart by pressing the Attendant Key twice. 2. Check the Bill Acceptor Stacker/Cashbox Door and ensure it is open. 3. Verify that connections on the cherry switch are secure. **Error Codes** If you encounter an error with your touch screen, try calibrating it to resolve the issue. **Exploded Views of Components** The following sections provide exploded views of various components: 1. **Bluebird Upright (BBU) Video Cabinet Power Components**: This section lists and describes the power strip, ballast/power switch assembly, bulkhead panel assembly, CPU enclosure, 24V power supply/bose amp assembly, power entry assembly, and ATX DC power supply. 2. **Upper Door**: This section includes exploded views of the upper door components, including the upright door cabling, barrier panel, and other related parts. 3. **Lower Door**: This section lists and describes the lower door components, including the lower door assembly, WBA extension, and other related parts. 4. **Door Latch Mechanism**: This section includes exploded views of the door latch mechanism components, including the main location bar, latch assembly, and other related parts. 5. **Bill Acceptor**: This section lists and describes the bill acceptor components, including the hardware assembly, thumb lock, float cam, and other related parts. **Top Box** The final section provides exploded views of the 12-inch top box components, including the top box assembly, channel, cover, and other related parts. **Replacement Parts for Bluebird Upright (BBU) System** The following parts are required to replace components in the BBU system, which includes various models such as 13-inch Round Top Box, 17-inch Top Box, and 7-inch Top Box. **Exploded Views and Block Diagrams** Chapters 5-6 of a manual provide exploded views and block diagrams for each model, detailing the individual parts and their connections. These diagrams show how to disassemble and reassemble the system, including the AC power distribution, bulkhead, and CPU-NXT. **Ordering Replacement Parts** Replacement parts can be ordered by contacting the Customer Resource Center at WMS (866-967-4457). Only approved components and parts should be used to ensure compliance with product and safety certifications and requirements. **Electrical and Mechanical Components** The following electrical and mechanical components are listed for replacement: * Bulbs and ballasts (Table 6-1) * Batteries * Button panel, buttons, and button inserts (Tables 6-2 and 6-3) * Cables * Electrical assemblies/print circuit boards * Fuses * Mechanical assemblies * Media * RAM upgrade kit Specific parts listed include: * Ballast: dual universal input, 9w x 2 * Ballast: universal input, dual 6w * Ballast: universal input, 15wS * Bulb: 4-pin PL-9 w/o starter * Buttons and button lenses (various models) Note that this paraphrased version omits some details and formatting to make the text easier to read. If you need a more accurate or detailed summary, please let me know! **Technical Reference Materials** The following sections provide detailed technical information on various components and assemblies related to the Bluebird Upright Video slot machine. * **Electrical Assemblies/Printed Circuit Boards (PCBs)**: Lists part numbers, descriptions, and specifications for electrical assemblies and PCBs. * **Media**: Details part numbers and descriptions for media-related components, including compact flash cards with varying storage capacities. * **Mechanical Parts**: Provides information on mechanical components, such as cams, plates, brackets, and covers. **Specific Component Listings** The following sections list specific component parts with their corresponding part numbers, descriptions, and specifications: * **Cams**: Lists various cam types, including flt 1.25 dual mtg and offset 1.50x0.25 dual mtg. * **Plates, Brackets, and Covers**: Details part numbers and descriptions for brackets, plates, and covers used in the Bluebird Upright Video slot machine. * **Top Box Kits**: Lists part numbers and descriptions for top box kits with varying sizes. **Other Components** The following sections provide information on other components related to the Bluebird Upright Video slot machine: * **Decals & Inserts**: Details part numbers and descriptions for decals and inserts used in various contexts, including bill insertion. * **Top Award Inserts**: Lists part numbers and descriptions for top award inserts with different designs. **Manuals** The text also references downloadable manuals for the Williams Upright Reel Model 40X slot machine and the Williams Upright Video Model 55X or 550 slot machine. These manuals are available in PDF format and provide detailed technical information on these models. Get instant access to your purchase right away, and navigate back up easily.