Bally

GAMING • SYSTEMS ®

Periodic

Maintenance

MODULE 4

MK4-SVMOD-0001

PERIODIC MAINTENANCE

For Customer Service and information:
+1-702-896-7772 Outside the U.S.
1-877-GO-BALLY (877) 462-2559 in the U.S. and Canada
896-7772 in Las Vegas
FAX: +1-702-896-7710
or visit our website at http://www.ballygaming.com

Periodic Maintenance

Module 4
Periodic Maintenance Table of Contents

Periodic Maintenance

This module describes periodic maintenance for all cabinet styles of V7000, V7200, V8000, V8500, S5500, and S6000 machines.

Overview

The following is the recommended Periodic Maintenance Schedule:

Schedule

Periodic Maintenance Schedule				
Assembly	**Maintenance Item**	**Service Interval (Days)**		
		30	**90**	**180**
Cabinet	Door Switch Optic (detector)	X		
	Cabinet Interior		X	
	Lamps	X		
	Cabinet Exterior		X	
Machine Door	Player Panel Buttons	X		
	All Glass	X		
	Door Switch Optic (emitter)	X		
Coin Entry	COD Board Optics	X		
	Coin Diverter Inspection		X	
Coin Hopper	Coin Switch	X		
	Hopper Test		X	
Bill Acceptor	Bill Path	X		
	Timing Belts			X
	Sensors			X
Handle Mechanism	Release Solenoid and Ratchet		X	
Reel Drive	Reel Optics		X	
	Reel Strip	X		
Monitor	Viewable area	X		
	Position, Size, and Intensity		X	
	Touch Screen Calibration		X	
CD ROM Drive	Lens	X		
	CD ROM	X		
Printer	Ribbon	X		

Cabinet

Door Switch Optic

The V8500, V8000, V7200 and S6000 use optical door switches. Maintain optimum performance by cleaning with a lint-free cloth.

Cabinet Interior

Vacuum the inside of the cabinet. Remove all dust and debris from the coin chutes. Remove loose coins to keep them from shorting electrical connections.

Lamps

Replace any burned out lamps. Flickering fluorescents may be caused by faulty starters. All fluorescents illuminate when machine power is switched ON.

Locate burned out button and feature lamps by playing the machine or by activating the Output Test as described in Module 2 Set Up and Operation.

Cabinet Exterior

The laminate or powder coat exterior of the cabinet requires little maintenance except for occasional dusting. Avoid abrasive cleansers.

Machine Door

Player Panel Buttons

Use a dry, lint-free cloth to clean the buttons. If a cleaning solution is necessary, use a mild glass cleaner. Avoid abrasive cleansers.

All Glass

Use a dry, lint-free cloth to remove the dust from the glass. Use a mild glass cleaner if necessary. Avoid abrasive cleansers or anything that will damage the protective laminate on the inside of the Display Glass and Feature Glass.

Door Switch Optic

The V8500, V8000, V7200 and S6000 use optical door switches. Maintain optimum performance by cleaning with a lint-free cloth.

Coin Entry

COD Board Optics

The Coin Optic Decoder Board uses an infrared emitter and detector to monitor coins. The emitter and detector are on the same side of the COD board. The emitter shines through the assembly and is reflected by a prism back to the detector. Use a lint-free cloth to clean the prism. Check the prism bracket to ensure that the prism is secure.

Coin Diverter Inspection

With power OFF the Coin Diverter Assembly should pivot freely. Activate the Output Test as described in Module 2 Set Up and Operation to verify operation.

Coin Hopper

Coin Switch

Upright and Bartop machines use optical switches to count coins from the hopper. Use a dry, lint-free cloth to clean the lenses.

Check the adjustment of the micro switch on slant machines.

Hopper Test

Activate the Hopper Test as described in Module 2 Set Up and Operation. The hopper will dispense ten coins.

Bill acceptor

Bill Bath

Open the acceptor and transport components. Use a dry lint-free cloth to remove any debris.

Timing Belts

Frayed or worn belts should be replaced.

Sensors

Dirty, clouded, or scratched lenses may degrade the performance of the acceptor and should be replaced. Clean the sensors with a dry lint-free cloth. If a solvent is needed, use a weak solution of water and mild dish detergent. Allow the lenses to dry completely before closing the acceptor and transport assembly.

Activate the Bill Acceptor Test as described in Module 2 Set Up and Operation to verify operation.

Periodic Maintenance

The handle mechanism consists of a ratchet assembly, an optic sensor, a release solenoid, and an arm assembly. The handle mechanism should be inspected for proper function and to ensure handle arm is secure.

Press the PSEUDO COIN button to energize the handle release solenoid and allow the handle to move. Pull the handle and check for smooth ratchet operation. The reels should spin when the handle is in the full forward position. Release the handle and ensure it returns and locks into its original upright position.

> **Note:** The handle mechanism is factory lubricated and does not require additional lubrication or adjustment.

Optical sensors monitor the reel positions. Clean the reel optics with a dry lint-free cloth or swab. Dirty reel optics can cause 40 series and 70 series tilts. Refer to Troubleshooting in Module 2 Set Up and Operation for more information.

Clean each Reel Strip with a soft cloth moistened with warm water.

A Micro Touch® touch screen is bonded to the CRT which can be damaged with abrasive or ammonia-based cleaners. Clean the monitor with an antistatic nonabrasive cloth and a cleaner recommended for lap top computer screens.

Allow at least 20 minutes with power ON for the monitor to stabilize. Check the picture for discoloration or fade-out. Degauss if necessary.

Check for correct horizontal and vertical alignment by ensuring that all text and images are within the borders of the monitor bezel. Use the CRT COLOR and SCREEN SIZE diagnostics as described in Module 2 Set Up and Operation.

Settings for the touch screen will change over time or if any adjustment has been made to the monitor. Calibrate the touch screen according to the directions described in Module 2 Set Up and Operation.

The CD ROM Drive reads data with a laser. Dust, smoke and airborne particles can cloud the lens that the laser is focused through, causing "freezing" and other machine malfunctions.

A commercial lens cleaner can help maintain optimum performance from the 5 ½" optical disc drive. The cleaner is a disc with a small lab-grade brush installed on the underside that gently cleans the delicate lens. This special brush is made with ultra-fine synthetic fibers that are infused with a microscopic strand of copper giving the cleaner antistatic properties.

Contamination on the CD ROM can cause read errors similar to those of a dirty drive. A slow flashing BUSY LED may indicate a dirty CD. Clean the CD ROM with a soft damp cloth. Avoid using a circular motion while cleaning. The disc should be wiped in a radial (inner side outward) direction.

Frayed and worn ribbons can damage the print head by snagging and bending the pins. Replace worn ribbons according to procedure described in Module 8 Peripherals.

Handle Mechanism
Release Solenoid and Ratchet

Reel Drive
Reel Optics

Reel Strip

Monitor
Viewable Area

Position, Color, and Size

Touch Screen Calibration

CD ROM Drive
Lens

CD ROM

Printer
Ribbon