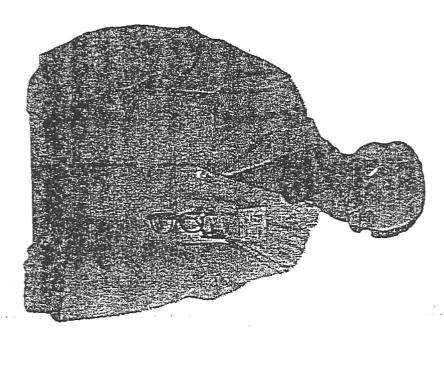


Odyssey Technical Training Welcome to

An Introduction to the Odyssey

What We'll Learn Today



- Customer Support Operations
- Game Overview and Bonus Awards
- Machine Management System Overview
- Component Discussion
- SafeStore Clear and Game Selection
- Monitor Adjustments
- Removal and Replacement of Components

Warranty and Spare Parts Kit

Warranty: 90 days parts and labor at the conclusion of the trial period

Spare Parts Kits:

- of install, based upon the number of slot Recommended spares kit are provided at time machines installed
- keep any or all the parts and be invoiced for just unused parts may be returned at no charge or At the end of the warranty period, any or all those items

Return Material Authorization (RMA) Trocess

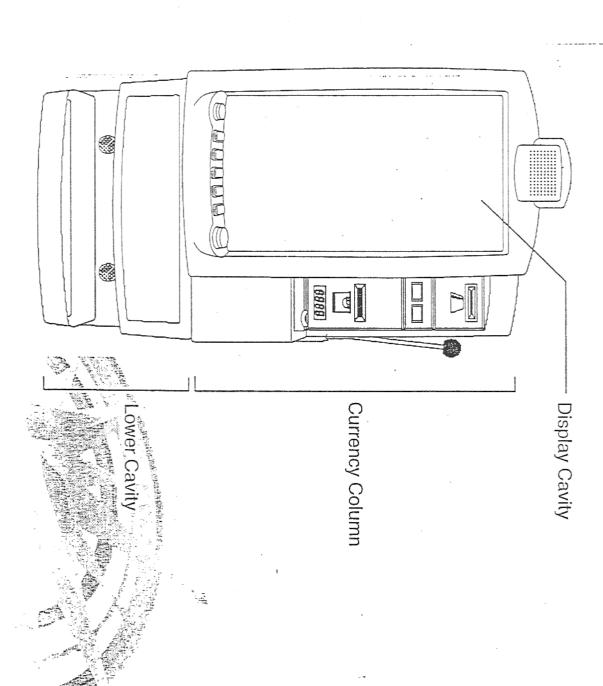
- SLOTS Call the Customer Support Center at 1-888-44-
- Describe the malfunction.
- The Customer Support Representative will issue an RMA number
- A new part will be mailed to you by the next business
- container to ensure proper crediting.

 Return the malfunctioning part to Silicon Gaming. • Include the RMA number on the part or the shipping

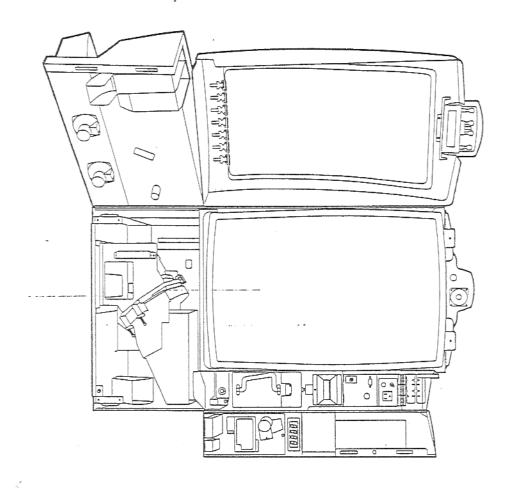
Operations and Service Guide

- An easy to use reference guide to explain system and maintenance functionality, configuration, operation, calibration
- Includes a very detailed removal and replacement section
- Illustrated Parts Breakdown, Circuit Board are also included to assist in troubleshooting and Schematics, and complete Wiring Harness Diagrams repairs

Odyssey Functional Areas



Odyssey Front View with Doors Open



 Bezel door hinged for access to monitor and buttons

Button switches/bulbs are wired in parallel

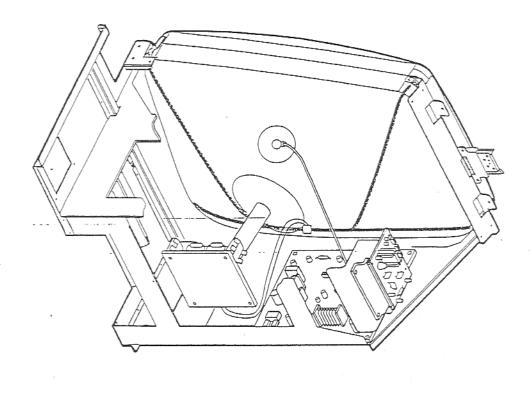
All button bulbs are 14 VAC

Round buttons: #C161

Square buttons: #73
Service Candle: #68

 Service candle lamps have unique duty cycles when illuminated

Display Monitor, Touchscreen, and NeoTec Chassis



Monitor

- Philips W66ESF001X CRT
- 16/9 aspect ratio

Touchscreen

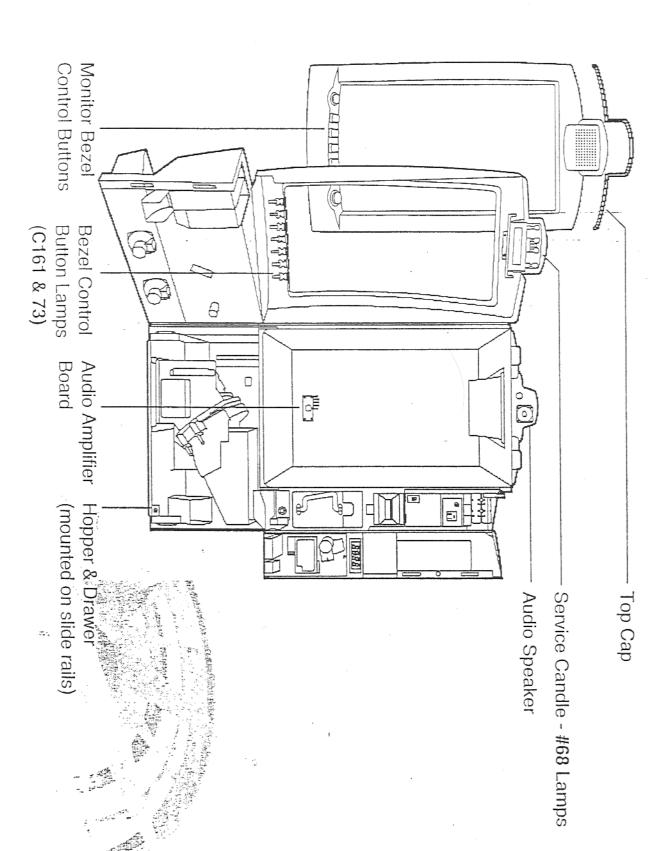
Microtouch capacitive-type

- solutions with ammonia-based cleaning Clean with isopropyl alcohol and not
- Taped to CRT

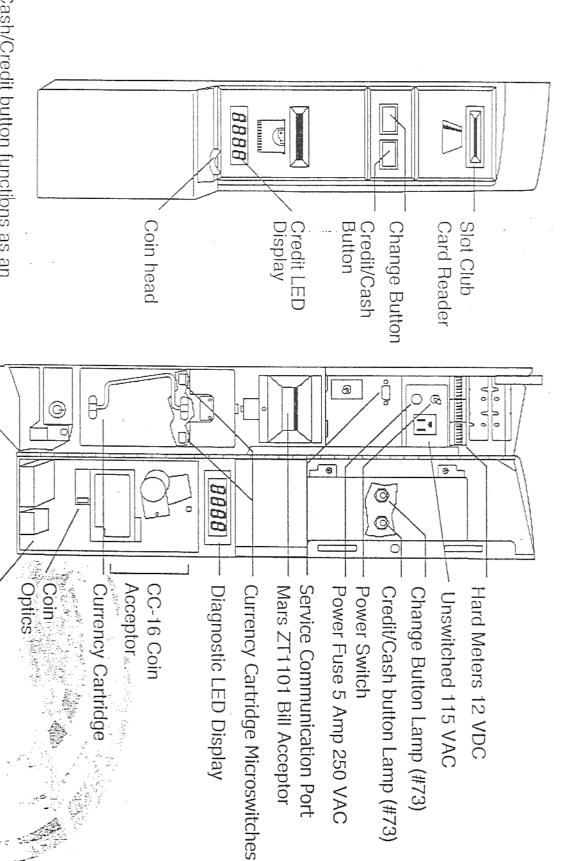
Chassis

- Manufactured by NeoTec
- No internal degauss
- Many controls accessible by opening the bezel door
- Equipped with a cooling fan mounted below the neck board
- 80 pounds as assembled

Odyssey Front View with Display Monitor Removed



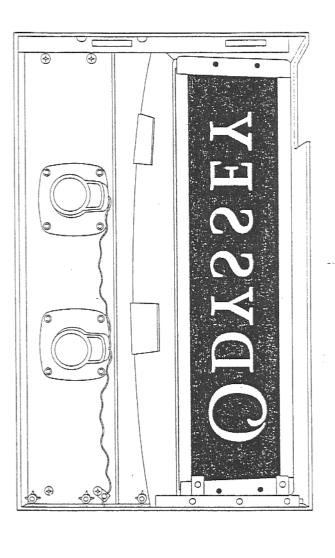
Currency Column Components



Cash/Credit button functions as an on/off switch to control the hopper when credits are on the machine.

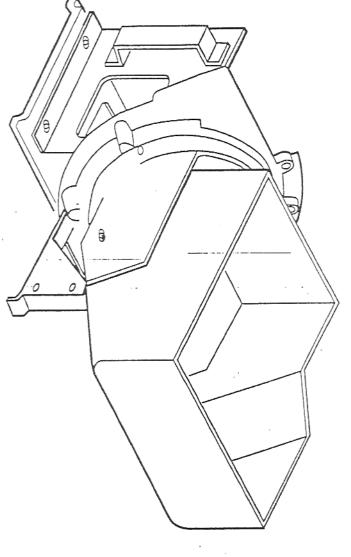
Coin Diverter Solenoid

Belly Door - Back View



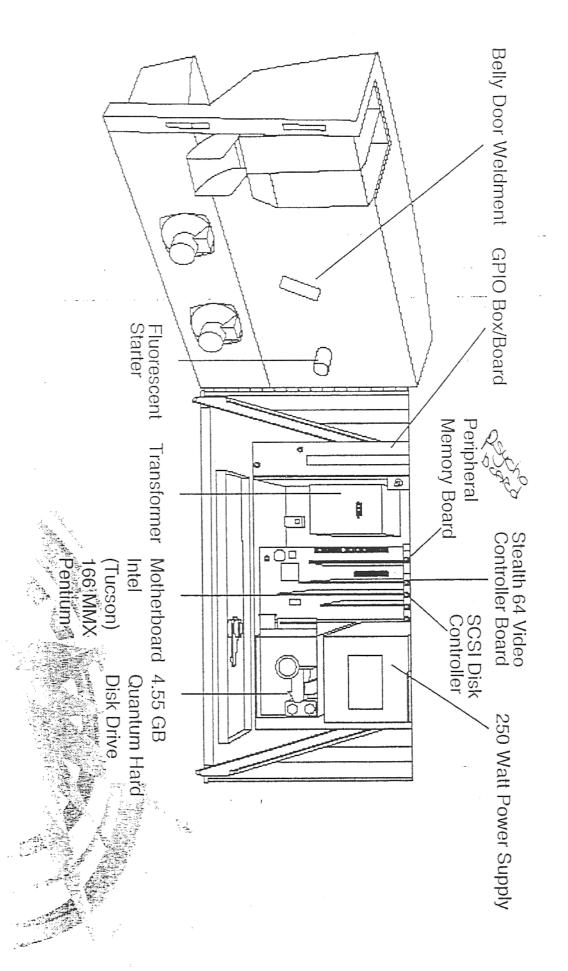
- Belly glass back-lit by a 18" 15 watt fluorescent lamp, ballast, and starter
- Contains two 3" speakers driven by the audio amplifier
- Odyssey Machine Code sheet attached to inside of door listing all tilt codes

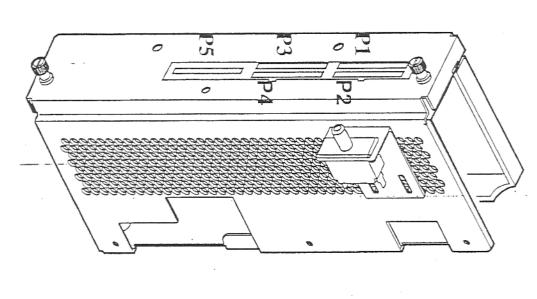
Coin Hopper



- Asahi Seiko DH750
- 115 VAC
- Nickels, 3000 Quarters, 700 Dollars, or 250 \$5 tokens
- Can dispense up to 380 quarters per minute
- Brake Release of top of motor
- Mounted on a slide railequipped tray rated at 250 pounds

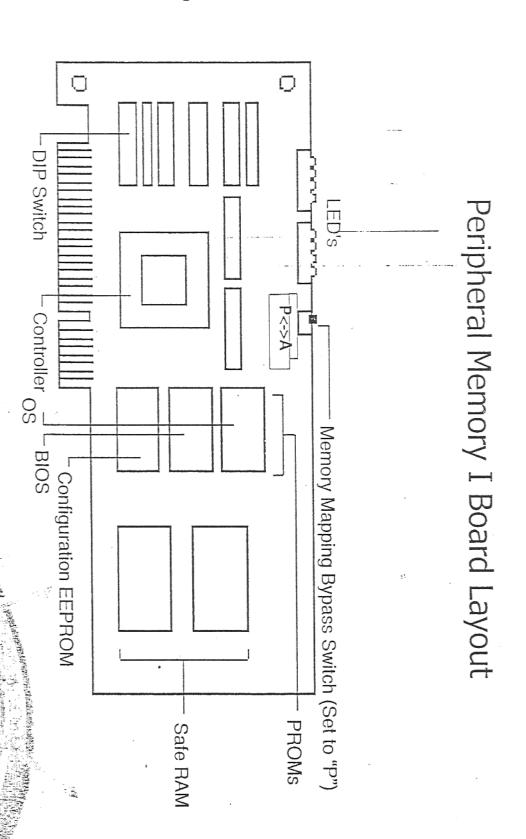
Lower Cavity with Electronics Box Open



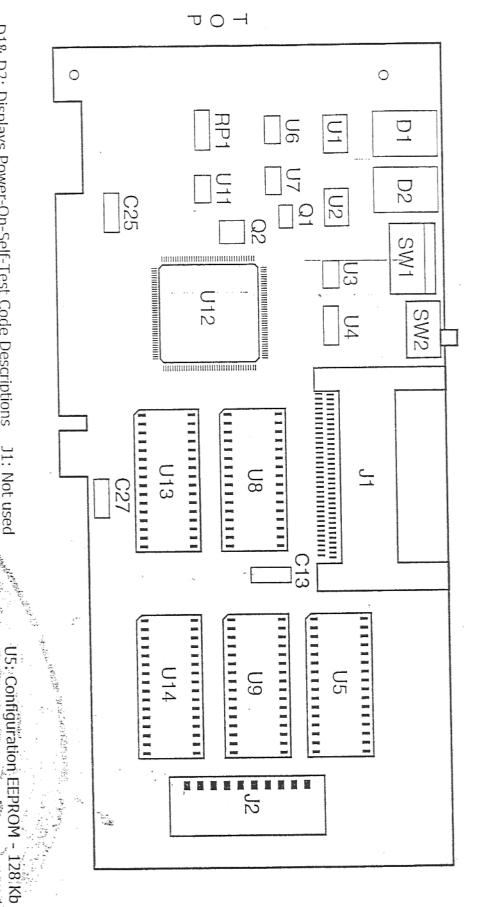


GPIO (General Purpose In/Out) Box/Board

- Isolates the motherboard from electrostatic discharge from any of the I/O devices
- Controls power distribution to all I/O devices
- Connector order is left to right - top to bottom P1-P5
- System soft reset switch located next to J5.
 Depressing the button will reboot the Odyssey



Peripheral Memory Board II Layout



D1& D2: Displays Power-On-Self-Test Code Descriptions

SW1: 8-Bit DIP Switch

SW2: Memory Bypass - Set to up position

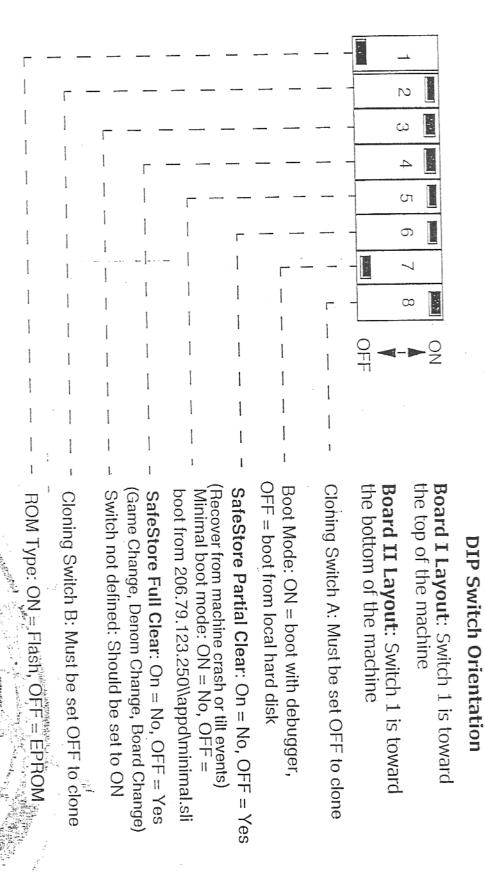
U12: Peripheral Memory Controller

J1: Not used

U8: OS ROM = 512Kb - 128 Kb

U13: BIOS ROM - 512 Kb 32: Debugging Port (SGI use only)

Peripheral Memory Board Normal DIP Switch Settings



Safe Store Partial Clear has proven to be unreliable and should not be used.

Performing a Full SafeStore Clear:

- Power off the machine.
- Disconnect the wiring harness to the AC transformer.
- Open the electronics box.
- position. Reconnect the wiring harness to the AC transformer. Set the DIP switch #4 on the peripheral memory board to the off
- Power on the machine
- is displayed Allow the machine to boot and cycle through diagnostic codes until 4000
- Power off the machine.
- position Reset the DIP switch #4 on peripheral memory board to the normal on
- Close the electronics box and reconnect the wiring harness to the AC
- Reconfigure the machine in the MMS to select denomination, games, and menu options.

Motherboard, Video Board, and SCSI Board

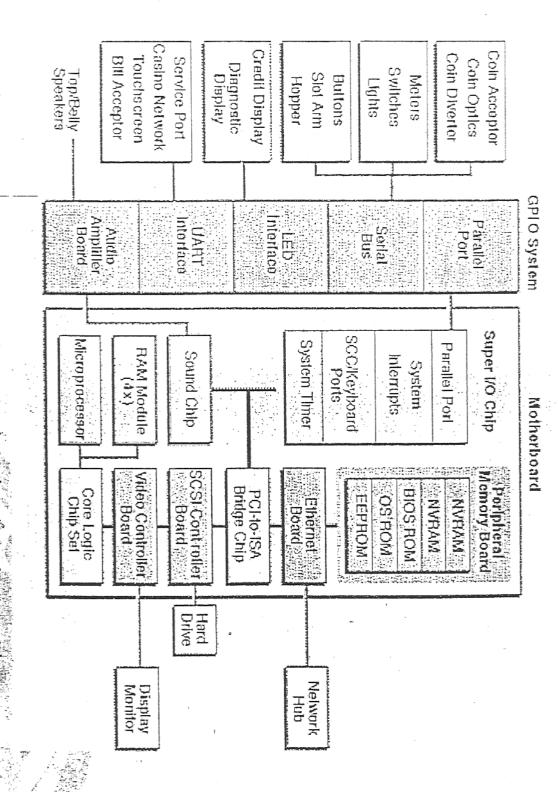
- Intel Tucson Motherboard equipped with:
- » 166 MMX Pentium processor
- 4 16 MB EDO SIMMs (Single In-Line Memory Module) for a total of 64 MB RAM (Random Access Memory)
- » Clock speed 133 MHz
- Diamond Multimedia Systems Stealth 64 Video Controller Board
- » 4 MB RAM
- Converts digital video signals to analog RGB for display on monitor
- » Up to 60 frames per second display rate
- SCSI (Small Computer System Interface) Board
- » Provides the interface from the hard disk drive to the motherboard with a ribbon cable

Hard Disk Drive and Power Supply

- Quantum Viking 4.55 GB Hard Disk Drive
- » Partitioned into three MS-DOS volumes
- Volume II System Level Files
- Volume 2 Game Program Code ~ 2 GB
- Volume 3 Game Artwork and Configuration Data \sim 2 GB
- Average seek time of 8.0 milliseconds
- Average data transfer rate of 10.7 MB/s maximum
- All games, video, and audio originates from the hard disk drive
- Must not be moved for 30 seconds after power is removed or at anytime while powered up.
- Power Supply
- Sunpower SPG-5250ATX 250 watt switching power supply
- Provides regulated DC voltages for the circuit boards and hard disk
- Equipped with a fan that provides secondary cooling to the Pentium processor

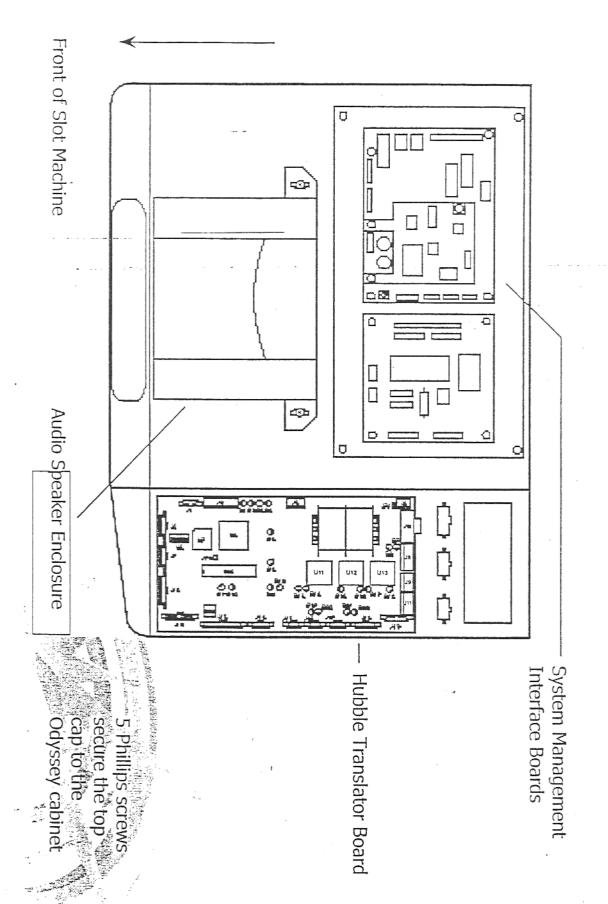
Hardware Architecture

Electronics Box Assembly

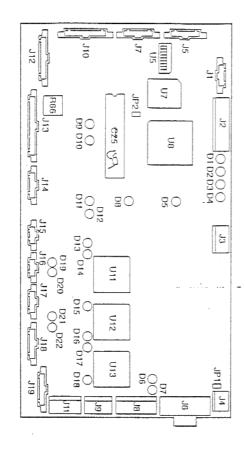


unless the machine is part of a wide area progressive link. Note: Ethernet board and Network Hub are not present

Top Cap Layout



Hubble Signals



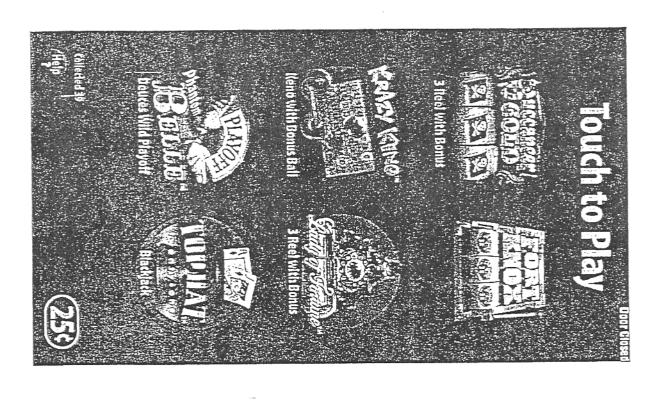
J2: Door Sensors

Hubble-1.eps

- Pin 1: Belly Door Signal
- Pin 2: Belly Door Common
- Pin 3: Currency Column Door Signal
- Pin 4: Currency Column Door Common
- Pin 5: Drop Door Signal
- Pin 6: Drop Door Common
- Pin 7: Cash Box Signal
- Pin 8: Cash Box Common

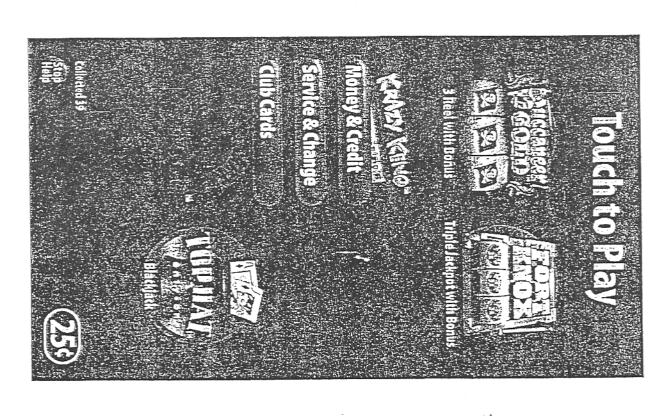
switch to the On position, then Off to return to its normal operating mode board can be reset by setting the eighth U5-Eight-bit DIP Switch: The Hubble

- Not Used
- Handshake (Bally)
- D3: Acres-SGI Concept C3 protocol
- D4: Pulse-Hubble Initialized
- D5 Power in
- D6 Debug
- D7: Debug
- D8: Power in
- D10: D9: Spare SAS Serial Transmit (CDS) Spare SAS Serial Receive (CDS)
- **IGT-SAS** Receive
- D12 IGT-SAS Transmit
- D13 Bally-ESSP Transmit
- D14 Bally-ESSP Receive
- D15 GPIO (Sparky) Transmit
- D16 Mikohn Receive
- Mikohn Transmit
- "GPIO (Sparky) Receive
- Not used
- Not used
- Not used



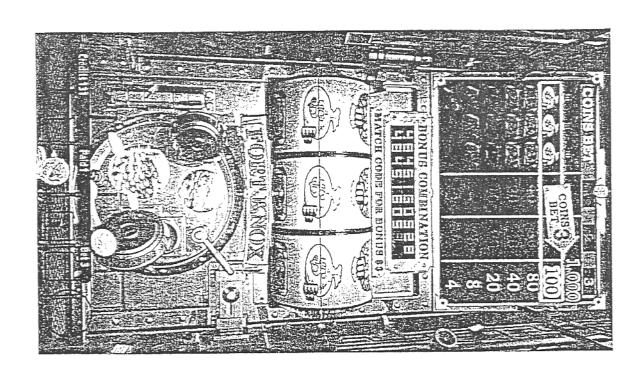
Game Menu

- Offers the player an intuitive and fun way to explore the Odyssey games
- The game menu will automatically cycle through the game icon animations
- The Odyssey can be configured to automatically cycle between the menu and the games during idle times



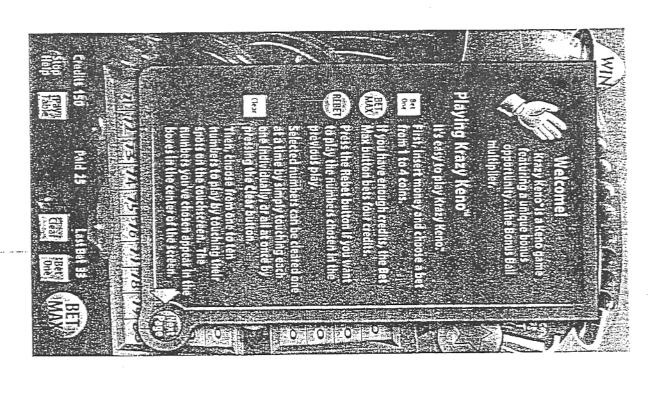
Game Menu Help

- Accessed by pressing the blue screen or bezel button
- Interactive online help allows players to broaden their knowledge by explaining the basic functions of the Odyssey with onscreen animations
- Can be enabled to run automatically



Games

- pay table/winning combination display area, a proposition area, and game controls
- Second screen
 animations can appear
 once the bonus round is
 reached
- Bonus combinations only erase once the bonus has been reached
- Individual games may also be highlighted by enabling featured game mode



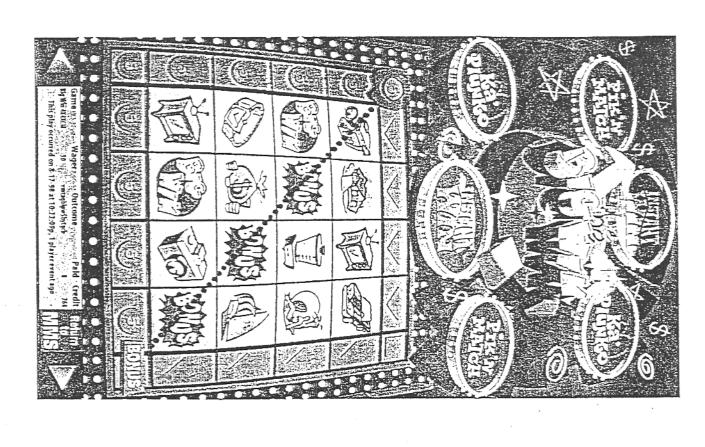
Game Help

- Accessible in all games by pressing the blue screen or bezel button
- An help overlay on the game screen appears, describing the rules of play, bonus features, and any disclaimers
- Instructions are specific for each game title
- use help to learn more about new titles and bonus features

(7-24-99) 1/2-25-20a (5) Top Mai 21 100 c D61 1 (100.5) 7-3-699 23:40;14a 2 Top Hat 21 1000 Dol 32 0.10 7.24-99 [FREEZESSAIN] Return Tollarigator Blanch College 7-21-99 : 3-43-33a | Top Hat 21 100c Dbl 2 bills have been accepted THE RESIDENCE OF THE PARTY OF T 7-24-99 3:42:464 Top Hat 21 100: D61 7-24-99 3:41:24x TopHat 21100c Dbl 7-24-99 8:32:30a 7-14-99 : 8:33:01a : "Laundred 4.768/8MS/mms.rex r-24 99 8:33:02a httds:tntered Service Mode (Door Opened))(🕻) There are no tilts or stoppages BellyDoorOpen . BellyBoorOpen Launched 4.768/STOPPAGE/stoppage.rex StoppageCandle (PrinterError) Stoppage: Operator menu activated Launched 4.768/NAV/navigatr.rex CurrencyColumnDoorOpen Service port enabled (COMI) Launched 4.768/AUXS/mms.rex MIAS Entered Service Mode (Door Opened Cashout Ta Mos 02370161 Md Cashabl D2JP1981 D13P1S

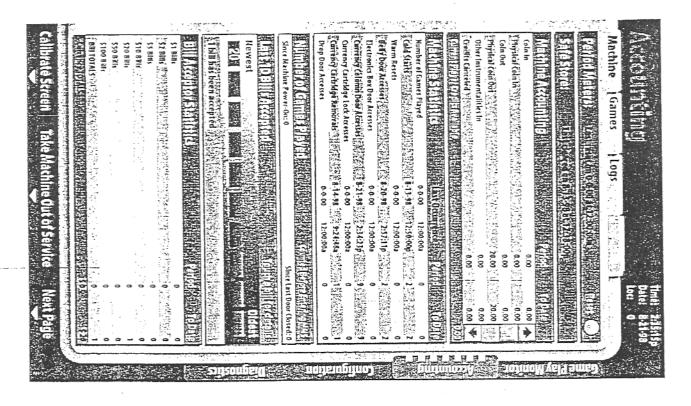
Game Play Monitor

- Game Recall Summary includes the last 25 games in order of play, 25 cashouts and 25 EFTs
- Variable Volume Leveling:
 Volume settings have three
 areas of adjustment; global,
 games, and game menu
- Last 10 bills accepted includes a date and time stamp
- information displayed in the onscreen log and is the first of three logs that can be downloaded by an SGI tech



Game Play Monitor/ Last Game Recall

- An exact replication of each of the game screens as called back
- The page footer includes a time and date stamp as well as machine/game statistics
- Games appear in the order of play and not 25 of each game



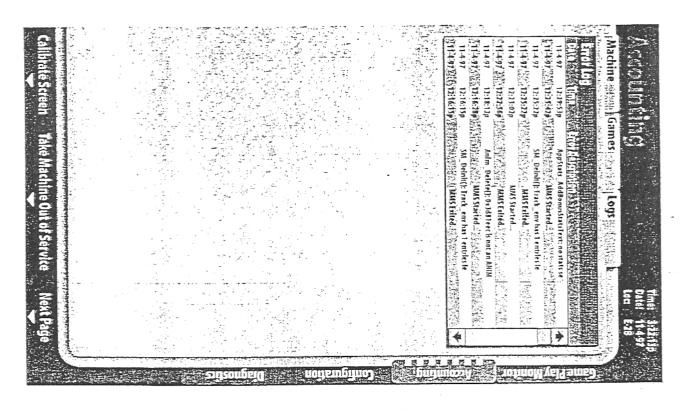
Accounting/Machine

- To Date meters can only be reset by completing a full SafeStore clear
- Other Instrumentality's In represents the value of credits transferred to the Odyssey as a result of an FFT
- Credits Cancelled represents those credits removed from the Odyssey as a result of an EFT
- Bill Acceptor Statistics period meter resets whenever the cash can is removed

Buccaneer Gold Stem Buccheer Gold Stem Copyright Aria de 1-10 Per 1000 Barris Author Hall 11 100 CDbl (1) Buccaneer Gold Stem Buccaneer Stealon Buccaneer Gold Stem Buccane
--

Accounting/Games

- Game Accounting will display accounting for all games enabled after a full SafeStore clear
- Machine Weighted
 Theoretical Hold is the
 theoretical hold of the
 system across all games
 played
- View Game Statistics allows insight into how the games are being played



Accounting/Logs

- Error log is not an accurate description of the log because it contains more than just software errors
- The second of three logs that can be downloaded by an SGI tech

Configuration/Machine

- A machine door must be opened before the Configuration or Diagnostics tab can be accessed
- Machine serial number may only be entered by SGI
- Use Play Stoppage During
 Out of Service disabled will display "Out to Lunch"
- Sound settings default to enabled and cannot be changed

100000000000000000000000000000000000000		* · · · · · · · · · · · · · · · · · · ·	1 10 11 11 11 11 11	-
Hopper & Credit Limits 99990 District Hopper Limit (coins) (Ash-Out Hopper Limit (coins)	Coll Acceptor All Colns go to Credits Colns go to Wager until Max Bet, then to Credits Colns go to Wager until Max Bet, then to Credits	Accept \$2 Bills Table Tabl	Bill Acceptor Bill Acceptor Installed CCCC Velification VESS (1971) (1	Machine Money (varies ; Network) Machine benomination Denomination may only be changed after dearing the Safe-Store
	o Credits		MARS, UHRHOW	E Garnes (N
Current Etribility 2000 1200 1200 1200 1200 1200		Enable frable	MARS, UIKHOVNI, Model I, Rev 19 Lipable 0x0000	Quarters for

Configuration/Money

- Machine denomination may only be changed after a full SafeStore clear
- CRC value must be entered for the validator to operate
- Hopper & Credit limits will change to default settings if the denomination is changed after a full SafeStore clear

Select Featured Came Mode	Select Featured Game
Come Self in Carrier Self in C	uto Launch Randoi
Auto Launch Return To Game Menu Time Amount 01:00	uto Launch Return
Auto Cautici Game Arter Inter Fine Andrews (2012)	Auto Launch idle Time Ameun (%)
Menu Alaza al mara a seconda cos:	ame idle Time Tor
m Order Enable	Play Icons in Random Order
Change I con Positions and the Property of the Control of the Cont	hange lon Posibo
	Play Machine 'Help' Every 'n' Cycles
Machine Help Available	MANAGERANDEN SULDEN
	ате Мепи Ор
FORT KIRDY 31 3 CM 3 1 1 1 1 1 1 1 1 1 2 1 2 2 2 2 2 2 2 2	O FORT KNOX 3 X 3
	Fort Knox Jan
803-0011-007 Red 12.17%	AND STATE OF THE S
く	U.S. Mint 3cb
803-0013-002 Reel 11.01%	AND THE PROPERTY AND THE PERSON NAMED AND THE PERSO
M	Big Win 4X4XCM
Game Play Options	ame Play ôpt
WHI I I I I I I I I I I I I I I I I I I	
A CONTRACTOR OF THE PROPERTY O	To Market dust 185
Play Stoppage critisis Carrent Fertings Entertainment T Enable	Entertainment
Carme Menu	Same Menu
Money Games Network r. M. 1888	Machine & Mo
12. Chi al Labert	

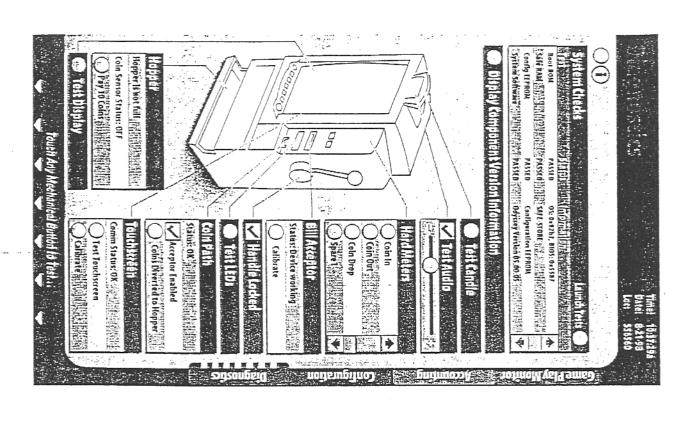
Configuration/Games/ Game Menu Options

- Play Stoppage entertainment enabled activates "Professor Potts"
- Tournament mode can be enabled/disabled only after a full SafeStore clear
- Game Menu Options appear as is after a full SafeStore clear
- Featured game mode enabled will allow one game to be the default screen image when the machine is idle, rather than returning to the game menu screen

PB 5C Jack Beller Kuhfigulallon Commission of the commission of t	Game Play Options Latroplant and trabbulg to 4 d. Big Win 4242CM O 15. Mint 3 d. Socion 3-0011-001 Reel 14.84% Socion 3-0011-002 Reel 14.84% Fort Knox 3 cm 803-0002-001 Reel 6.47% Fort Knox 3 d cm 804-0013-002-001 Reel 6.47% Fort Knox 3 d cm 804-0013-002-001 Reel 6.47%	dame Menu
C Fnable	(100 113) (1	Frable

Configuration/Games/ Game Play Options

- One to six games may be enabled after a full SafeStore clear
- Game may be disabled, but a different game cannot be activated in its space
- Games may only be changed after a full SafeStore clear when all games choices are visible



Diagnostics

- Easy-to-use troubleshooting assistance on one page
- Touching any button on the Odyssey will activate the corresponding button on the machine rendering displayed on the screen
- Use the Test Touchscreen feature after calibrating

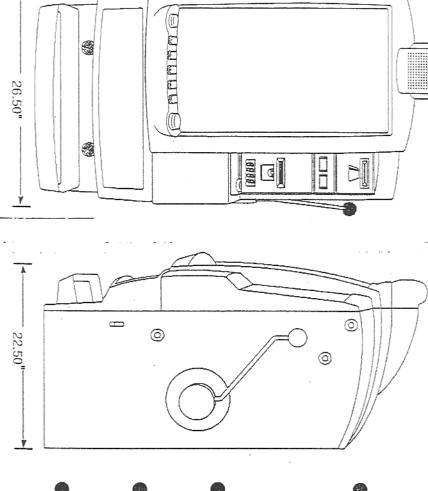
The state of the s

	4			-		•			-
Calibrate Streen Take Mathine Out of Service		图:图:图:图:图:		≠ (== 0	0 = 1	af a La	T = = = = = = = = = = = = = = = = = = =	7 4	3
		4.15.98 9.15.99 - 4.4.41.00 00.00 0	Welwork Log - Stoom -	O Protocol Level Treasure many descriptions and the control of th	None None	Slot Accounting C Communication Fort Number 8 C Communication Fort Number 8 C Communication Fort Band falso 1950 y 1950 minutes 25 (1951) 1950 o	Time out in seconds 1 122 de 1900 i Encrypton Encrypton Encrypton 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Service Communication Port Port Number	Machine
				× × ×	3 3				Ξį
	1				F 150		3	2 (c)	-
4		94109a (2022年 94109a (2022年 94109a (2022年 94109a (2022年 94109a (2022年 94108a (2022年 94108a (2022年 94108a (2022年)	6	2 2 2			1		ļ.,
] .		- 8						\bar{z}
	1	是. 楚. 撰. 既.			HAR !	翻音頭			Money
	1	-> イ442100000000000000000000000000000000000	010121201122211012221010						ıеу
33		3 1 0 0 2 2 2 2 2	2 2 2	E TO	選	종 4 🎆			
	1	4.4471 00 00 00 00 00 00 00 00 00 00 00 00 00	8 8 8	63	1-36			ā.	
	1	000000000000000000000000000000000000000	0 0						
	1	000	8	1			整 题		G a
	1	200000000000000000000000000000000000000		133					Games
	1	3 2 3 3 3 3	3	100					×
9	1	10000000000000000000000000000000000000		30.			選 音		: :
				NAS	### 5				
	1			FEE		# · · · · · · · · · · · · · · · · · · ·			z
			2 医胸			ort Number ort Number ort Sand Rates (1908-1908) ort Badd Rates (1908-1908)			ã
Next P	1	941.99a		33	- E	्व र	3 7	र	Network
	-			_ 8 _	NONE	8	8 - 8		~
ge	4	4 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	*		$\bigcirc\bigcirc\bigcirc$		O E C	Ö	· .
	1	▲ 通過機能的設備 5	アリ帰版		100 C		<u>~ - C</u>		,
									4
		- autompsiG	notism	ப்பட்ட 🧖			an more to	ld amen	+

Configuration/Network

- Service Communication Port settings allow the Odyssey to communicate to a PC to download various logs
- Slot accounting settings correspond to the casinos player tracking system in use
- Communication <u>from the</u>
 Odyssey to the player tracking system
- Communication from the player tracking system to the Odyssey
- The Network Log currently tracks
 C3 communication between the
 Odyssey and the player tracking
 system interface boards and vice
 versa, and is the third log that may
 be downloaded

Odyssey Specifications



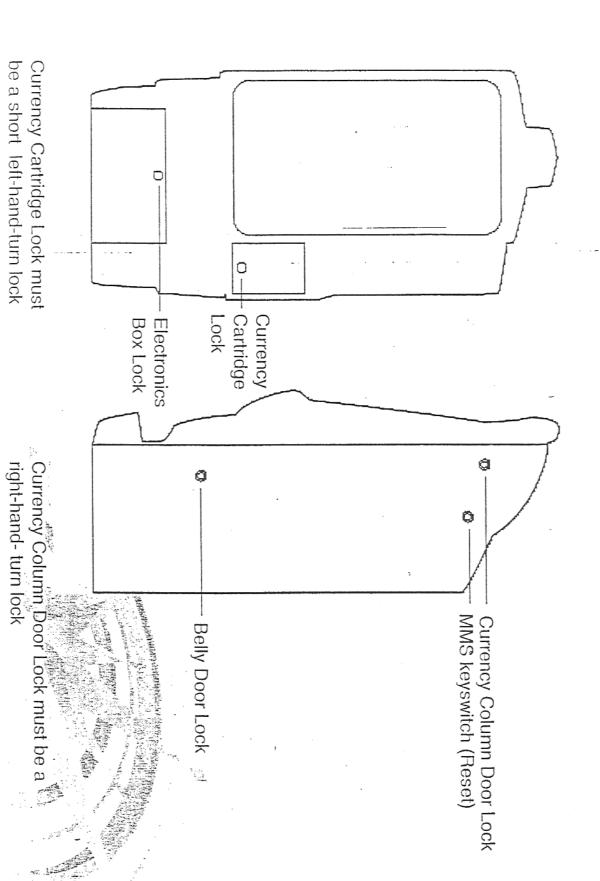
Must be mounted on a stand with a minimum width of 28 inches

Weight: 275 pounds

Voltage: 110-120 VAC

Power: 240 Watts or approximately 2 Amps

Door Lock Locations



be a short left-hand-turn lock

Doorswitch Locations

