

THE GRID



CHAPTER

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System

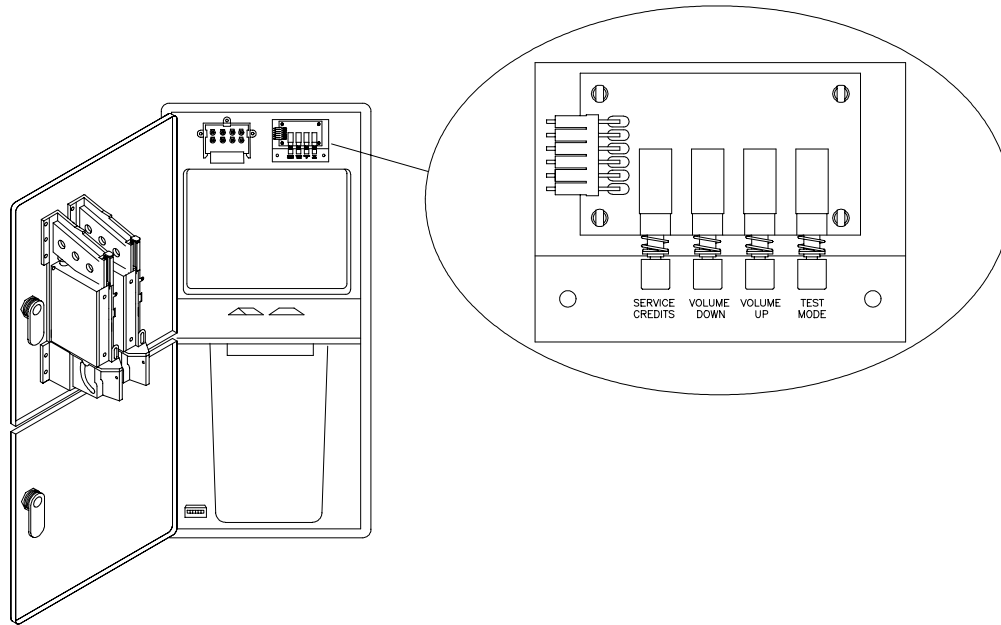


NOTICE: Information in this manual may change without notice. Midway Amusement Games, LLC reserves the right to make improvements in equipment function, design, or components as progress in engineering or manufacturing methods may warrant.

Menu System

Activating the Menu System

Unlock and open the upper cash door. Press the Test Mode pushbutton.



OPERATOR CONTROL SWITCHES

Common Operator Adjustments

DIFFICULTY. See page 36

DURATION. See page 37

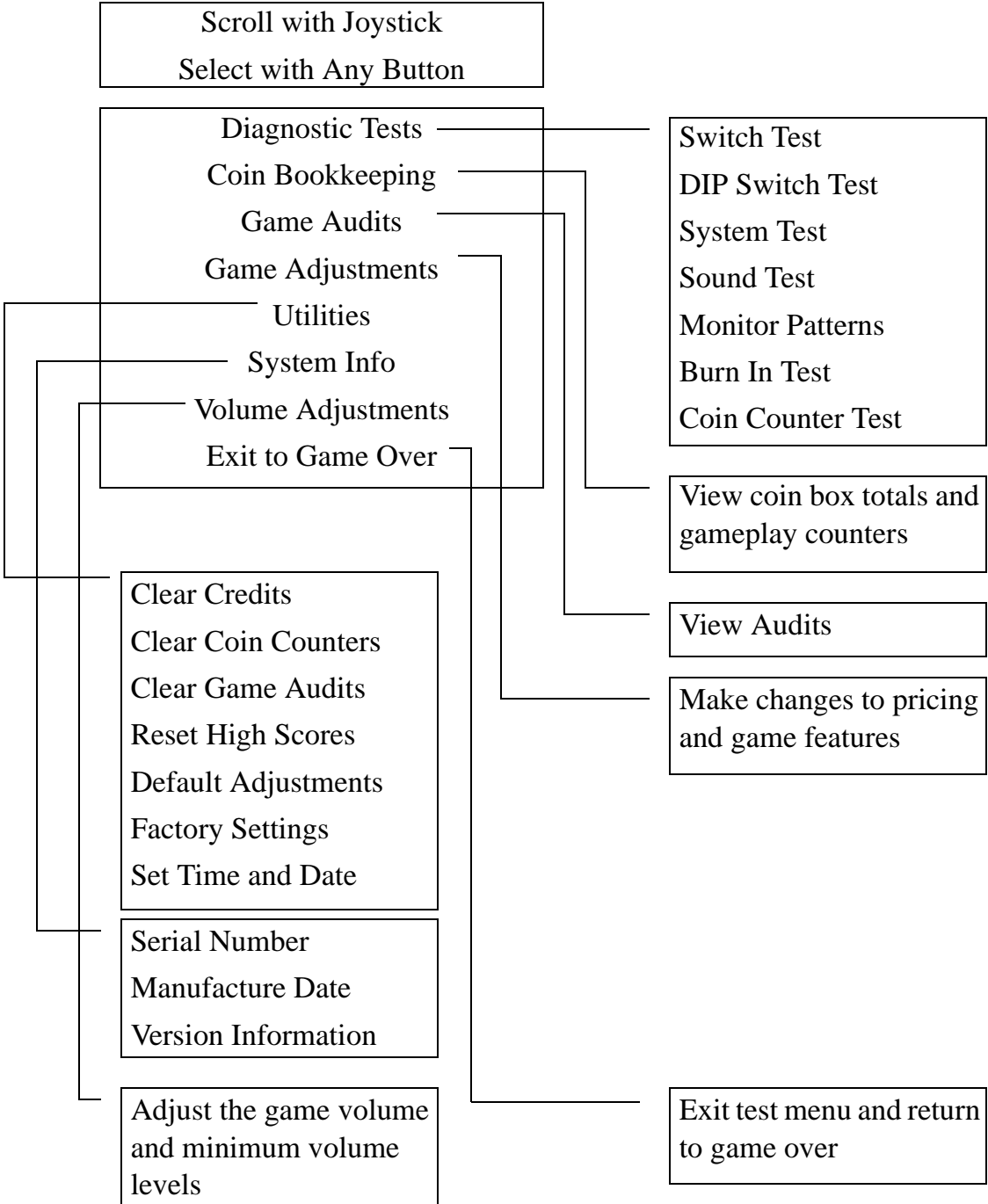
PRICING. See page 32

VOLUME. See page 41

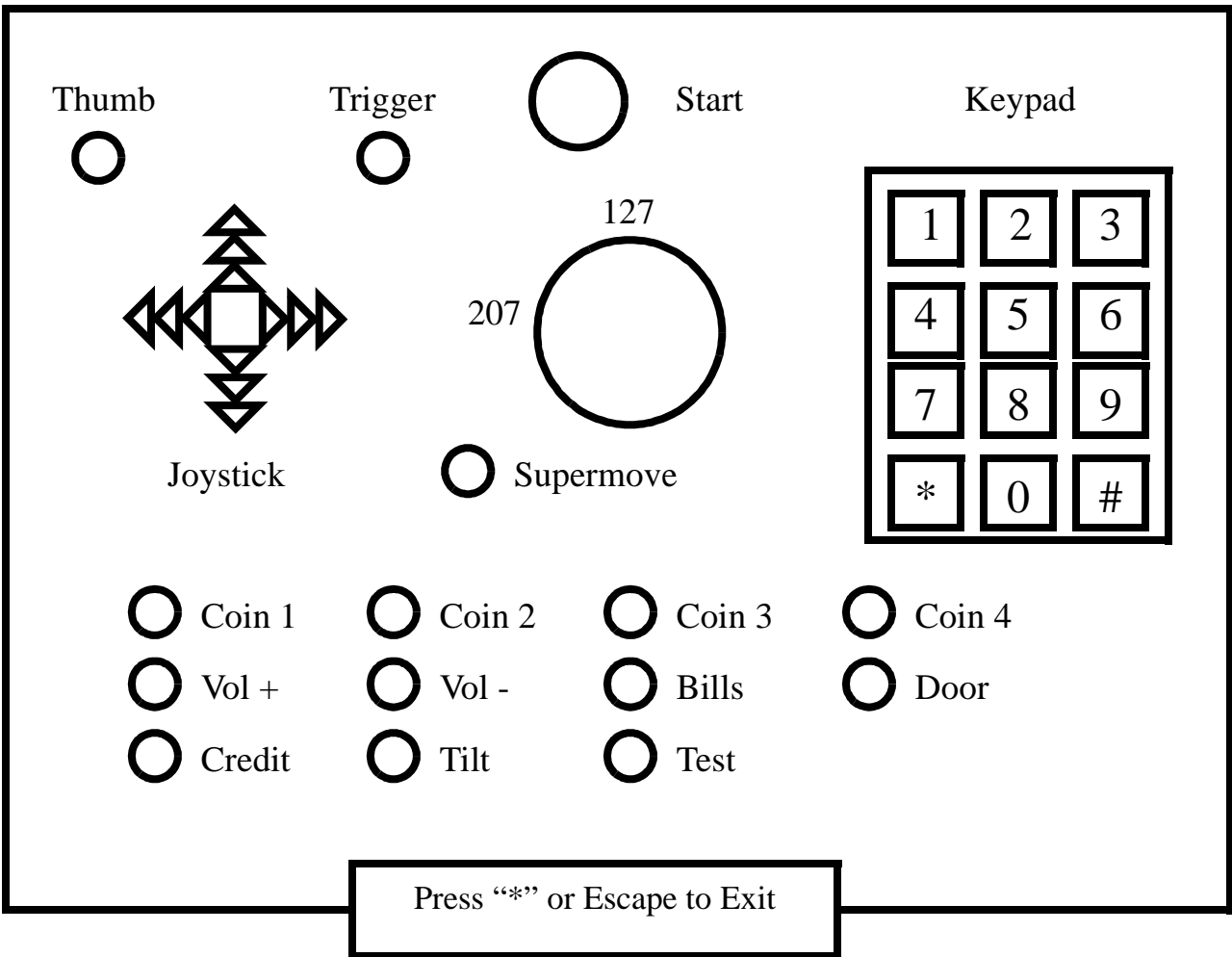
VIOLENCE. See page 23

Main Menu

The Grid Test Menu
Game Code Version



Main Menu
Diagnostic Tests
Switch Test



Main Menu
Diagnostic Tests
DIP Switch Test

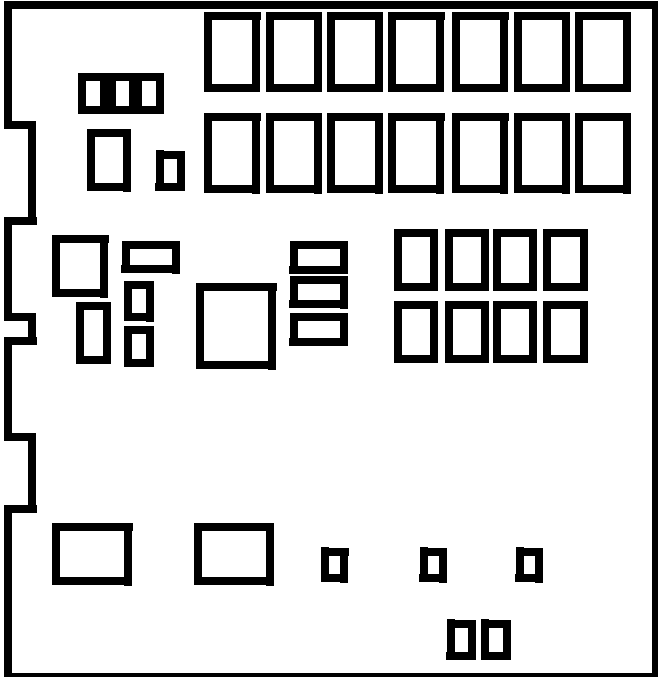
DIP Switch Test		
Switch 1		
1	OFF	Show Blood
2	OFF	Not Used
3	OFF	Not Used
4	OFF	Not Used
5	OFF	Not Used
6	OFF	Not Used
7	OFF	Not Used
8	OFF	Not Used
Switch 2		
1	OFF	DIP Switch Coinage
2	OFF	Sets Coin Mode (See Manual)
3	OFF	Sets Coin Mode (See Manual)
4	OFF	Sets Coin Mode (See Manual)
5	OFF	Sets Country (See Manual)
6	OFF	Sets Country (See Manual)
7	OFF	Not Used
8	OFF	Game Mode

Hit any Button to Continue

Main Menu
Diagnostic Tests
System Test

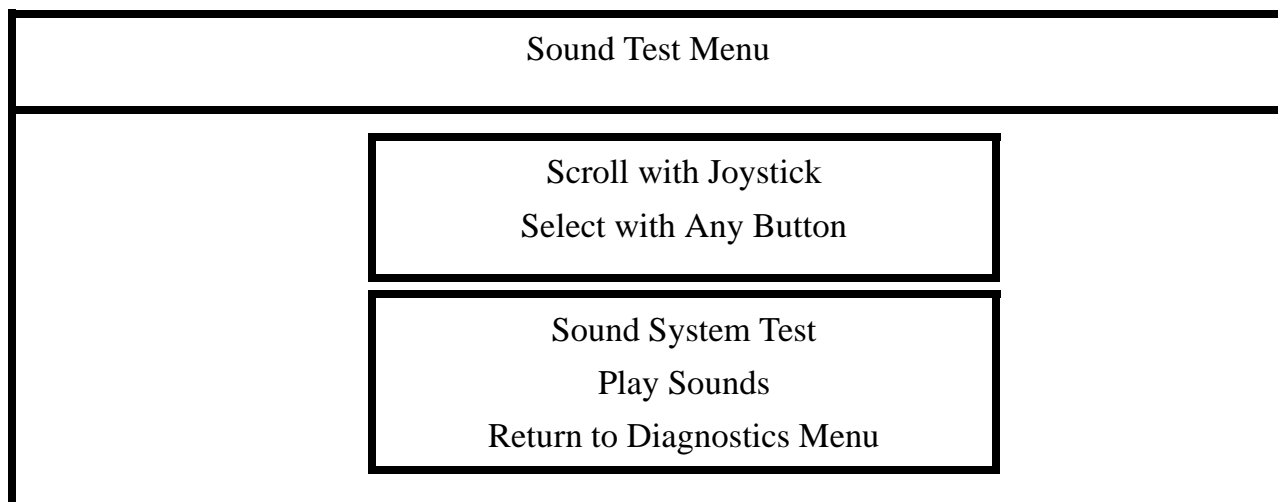
The Grid System Test
(Hold any button to Skip)

PIC	OK
Clock	OK
Wave RAM Bank 1	OK
Wave RAM Bank 0	OK
FAST RAM	OK
U10 Checksum	OK
U11 Checksum	OK
U12 Checksum	OK
U13 Checksum	OK
U14 Checksum	OK
U15 Checksum	OK
U16 Checksum	OK
U17 Checksum	OK
U18 Checksum	OK
U19 Checksum	OK
U20 Checksum	OK
U21 Checksum	OK
U22 Checksum	OK
U23 Checksum	OK
CMOS Memory	OK
Display INT	OK
ZEUS Chip	OK
Sound System	OK

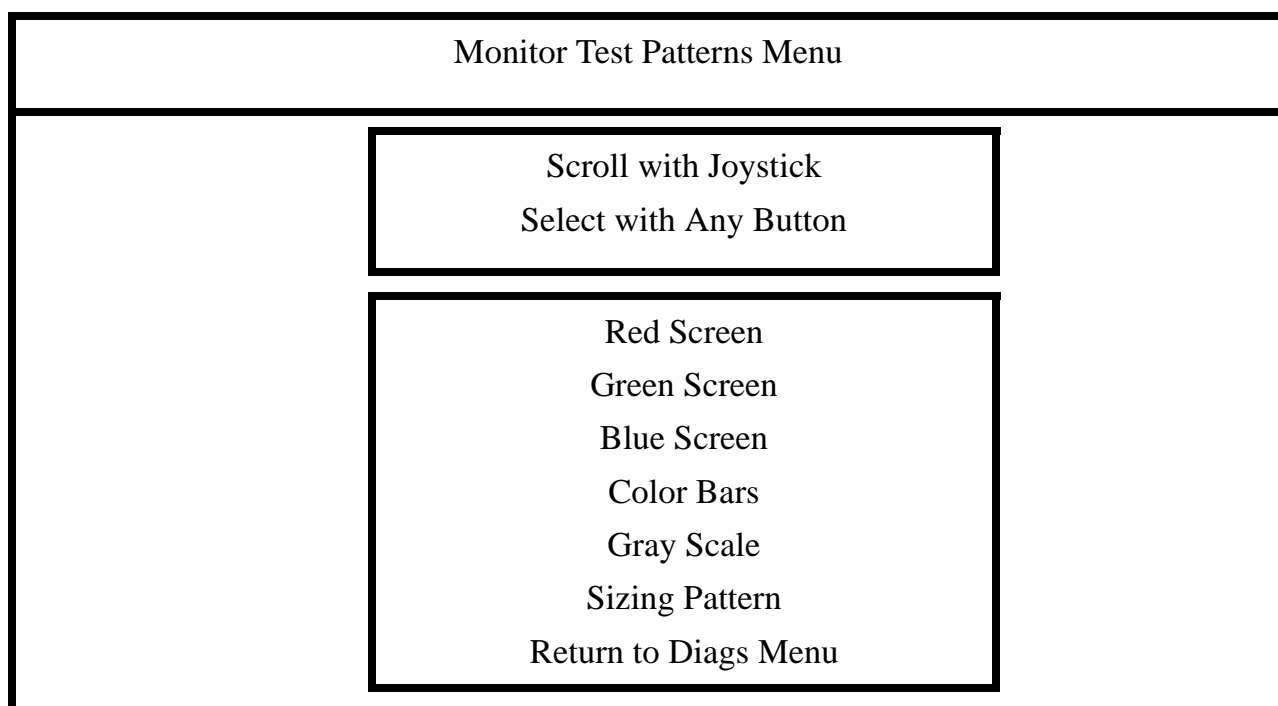


Hit any Button to Continue

Main Menu
Diagnostic Tests
Sound Test



Main Menu
Diagnostic Tests
Monitor Patterns



Main Menu
Diagnostic Tests
Burn In Test

Burn In Test

(Press and hold any button to exit)

Total Cycles Completed: 0

<u>Description</u>	<u>Status</u>	<u>Pass</u>	<u>Fail</u>
PIC	OK	1	0
Clock	OK	1	0
Fast RAM	OK	1	0
CMOS Memory	OK	1	0
Display INT	OK	1	0
ZEUS	OK	1	0

Main Menu
Diagnostic Tests
Coin Counter Test

Mechanical Coin Counter Test			
Joystick left/right selects meter			
Press any button to click selected meter			
Hit START to exit			
Meter 1	Meter 2	Meter 3	Meter 4

Main Menu
Coin Bookkeeping

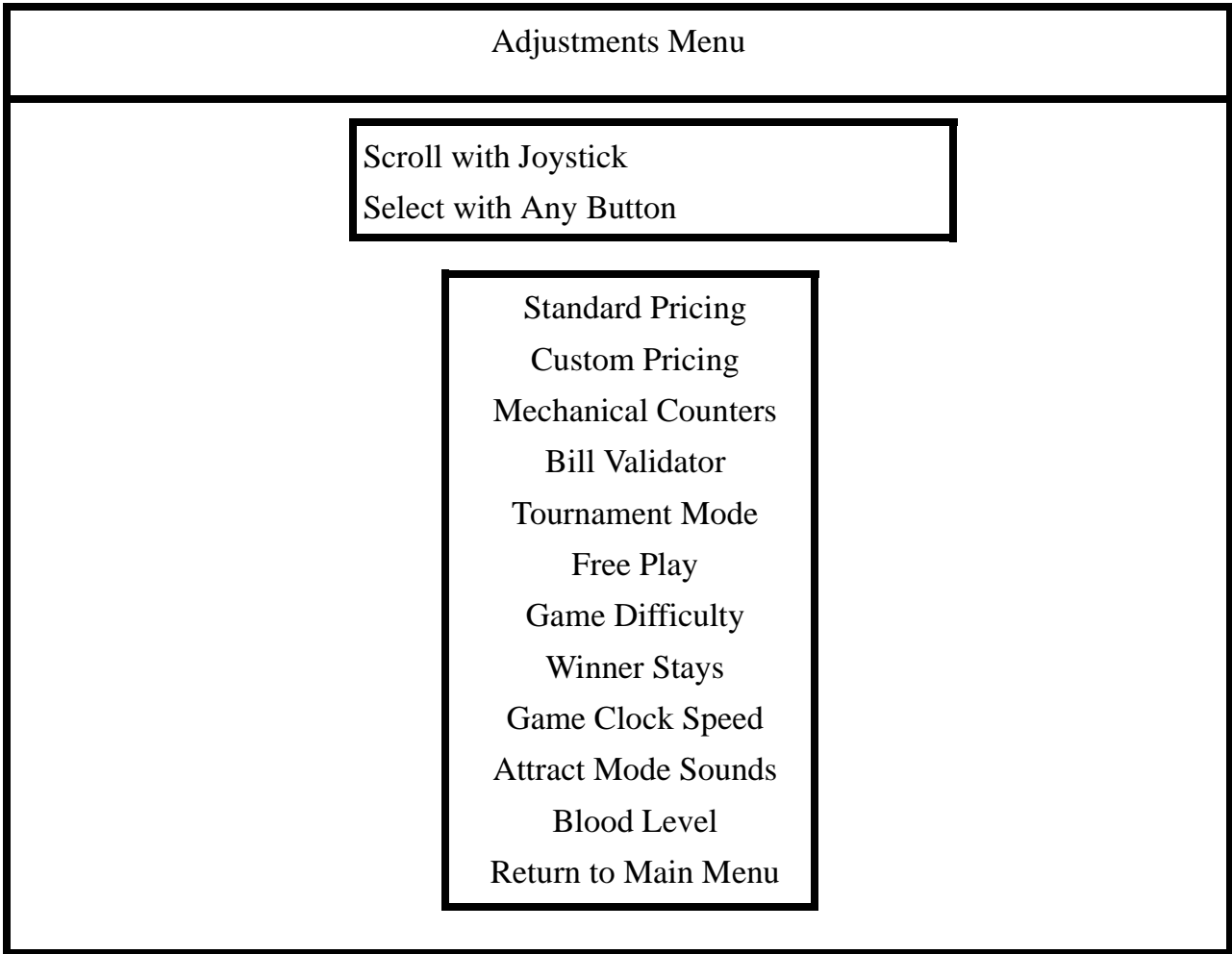
Coin Bookkeeping	
Left slot coins	
Right slot coins	
Center slot coins	
Fourth slot coins	
Bill Validator Count.....	
Paid Credits	
Service Credits.....	
Total Plays	
Total Collection	

Hit any Button to Continue

Main Menu
Game Audits
View Game Audits

Display Audit Data	
Hours game was on	(Next page) Kristy Chosen
Hours game was in play	Darla Chosen
Total Plays	Host Chosen
Single Player Buyin	Cameraman Chosen
Player Buyin	Scorpion Chosen
1 Player Count	Subzero Chosen
2 Player Count	Gridman Chosen
3 Player Count	Dogs
4 Player Count	Loffs
5 Player Count	
6 Player Count	
Wes Chosen	
Cyrus Chosen	
April Chosen	
Flint Chosen	
Ike Chosen	
Karasu Chosen	
Trixi Chosen	
Chiller Chosen	
Cleo Chosen	

Main Menu
Adjustments Menu



Pricing Table

Use the Pricing Table below as a guide to select and/or verify the desired coin credit setting(s)

NAME	START	CONTINUE	CREDITS/COIN	COIN 1	COIN 2	COIN 3	COIN4	BILL
ANTILLES	2	2	1/25¢, 4/1G	.25¢	1G			
AUSTRALIA 1	2	2	1/3X20¢, 2/\$1.00	.20¢	\$1.00			
AUSTRALIA 2	1	1	1/5X20¢, 1/\$1.00	.20¢	\$1.00			
AUSTRIA 1	2	2	1/5Sch, 2/10Sch	5 Sch	10 Sch			
AUSTRIA 2	2	2	1/2X5Sch, 3/2X10Sch	5 Sch	10 Sch			
BELGIUM 1	2	2	1/20BF	20BF	20BF			
BELGIUM 2	2	2	3/20BF	20BF	20BF			
BELGIUM 3	2	2	2/20BF	20BF	20BF			
BELGIUM ECA	2	2	1/20BF	5BF	20BF	50BF		
CANADA 1	2	2	1 / 2 x 25¢, 3 / \$1	25¢	25¢			
CANADA 2	2	2	1 / 2 x 25¢, 3 / \$1	25¢	\$1.00			
CANADA 3	2	2	3 / \$1.00, 6 / \$2.00	\$1.00	\$2.00			
CANADA ECA	2	2	1 / 2 x 25¢, 3 / \$1	25¢		\$1.00	\$2.00	
DENMARK	2	2	3/5DKr, 7/10DKr	5DKr	10DKr			
FINLAND	2	2	1/1Fmk	1Fmk	5Fmk			
FRANCE 1	2	2	2/5Fr, 5/10Fr	5Fr	10Fr			
FRANCE 2	2	1	2/5Fr, 4/10Fr	5Fr	10Fr			
FRANCE 3	2	1	1/5Fr, 3/10Fr	5Fr	10Fr			
FRANCE 4	2	1	1/5Fr, 2/10Fr	5Fr	10Fr			
FRANCE 5	2	1	2/5Fr, 5/10Fr, 11/2 X 10Fr	5Fr	10Fr			
FRANCE 6	2	1	2/5Fr, 4/10Fr, 9/2 X 10Fr	5Fr	10Fr			
FRANCE 7	2	1	1/5Fr, 3/10Fr, 7/2 X 10Fr	5Fr	10Fr			
FRANCE 8	2	1	1/5Fr, 2/10Fr, 5/2 X 10Fr	5Fr	10Fr			
FRANCE 9	2	1	1/3 X 1Fr, 2/5Fr	1Fr	5Fr			
FRANCE 10	2	1	1/2 X 1Fr, 3/5Fr	1Fr	5Fr			
FRANCE 11	2	1	1/3 X 1Fr, 2/5Fr, 5/2 X 5Fr	1Fr	5Fr			
FRANCE 12	2	1	1/2 X 1Fr, 3/5Fr, 7/2 X 5Fr	1Fr	5Fr			
FRANCE ECA	1	1	1/10Fr, 2/20Fr, 4/30Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 1	1	1	2/5Fr, 5/10Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 2	1	1	2/5Fr, 4/10Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 3	1	1	1/5Fr, 3/10Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 4	1	1	1/5Fr, 2/10Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 5	1	1	2/5Fr, 5/10Fr, 11/20Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 6	1	1	2/5Fr, 4/10Fr, 9/20Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 7	1	1	1/5Fr, 3/10Fr, 7/20Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 8	1	1	1/5Fr, 2/10Fr, 5/20Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 9	1	1	1/3 X 1Fr, 2/5Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 10	1	1	1/2 X 1Fr, 3/5Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 11	1	1	1/3 X 1Fr, 2/5Fr, 5/10Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 12	1	1	1/3 X 1Fr, 3/5Fr, 7/10Fr	1Fr	5Fr	10Fr	20Fr	
FRANCE ECA 13	1	1	1/10Fr, 2/20Fr, 4/30Fr	1Fr	5Fr	10Fr	20Fr	
FREE PLAY	--	--	--	None	None	None	None	None
GERMANY 1	2	2	1/1DM, 6/5DM	1DM	5DM			
GERMANY 2	2	1	1/1DM, 7/5DM	1DM	5DM			
GERMANY 3	2	1	1/1DM, 8/5DM	1DM	5DM			
GERMANY 4	2	1	1/1DM, 5/5DM	1DM	5DM			
GERMANY 5	2	1	1/1DM, 6/5DM	1DM	5DM			
GERMANY ECA 1	2	2	1/1DM, 2/2DM, 6/5DM	1DM	2DM	5DM		
GERMANY ECA 2	2	1	1/1DM, 2/2DM, 6/5DM	1DM	2DM	5DM		
GERMANY ECA 3	1	1	1/1DM, 2/2DM, 6/5DM	1DM	2DM	5DM		

do not
use

NAME	START	CONTINUE	CREDITS/COIN	COIN 1	COIN 2	COIN 3	COIN4	BILL
HUNGARY	2	2	1/2X10Ft, 3/2X20Ft	10Ft	20Ft			
ITALY	2	2	1/500Lit	500Lit	500Lit			
JAPAN 1	2	2	1/100Yen	100 Yen	100 Yen			
JAPAN 2	2	2	2/100Yen	100 Yen	100 Yen			
JAPAN 3	1	1	1/100Yen	100 Yen	100 Yen			
JAPAN 4	1	1	2/100Yen	100 Yen	100 Yen			
JAPAN 5	1	1	4/100Yen	100 Yen	100 Yen			
JAPAN 6	1	1	1/2X100Yen	100 Yen	100 Yen			
NETHERLANDS	2	2	1/1HFI, 3/2.5HFI	1HFI	2.5HFI			
NEW ZEALAND 1	1	1	1/\$1	\$1	\$2			
NEW ZEALAND 2	1	1	2/\$1	\$1	\$2			
NORWAY	2	2	3/5NKr, 6/10NKr	5NKr	10NKr			
SPAIN 1	2	2	1/100Pta, 6/500Pta	100Pta	500Pta			
SPAIN 2	2	2	1/100Pta, 5/500Pta	100Pta	500Pta			
SWEDEN	2	2	1/3X1SKr, 2/5SKr	1SKr	5SKr			
SWITZERLAND 1	2	2	1/1SFr, 6/5SFr	1SFr	5SFr			
SWITZERLAND 2	2	2	1/1SFr, 7/5SFr	1SFr	5SFr			
SWITZERLAND 3	2	2	1/1SFr, 8/5SFr	1SFr	5SFr			
UK ECA 1	1	1	1/50p, 3/£1.00	£1.00	50p	20p	10p	£2.00
UK ECA 2	1	1	1/50p, 2/£1.00	£1.00	50p	20p	10p	£2.00
UK ECA 3	1	1	1/30p, 2/50p, 5/£1.00	£1.00	50p	20p	10p	£2.00
UK 4	1	1	1/50p, 3/£1.00	£1.00	50p			
UK 5	1	1	1/50p, 2/£1.00	£1.00	50p			
UK ECA 6	1	1	1/30p, 2/50p, 4/£1.00	£1.00	50p	20p	10p	£2.00
UK ECA 7	1	1	3/£1.00	£1.00	50p	20p	10p	£2.00
UK ECA 8	1	1	1/50p, 2/£1.00, 4/£2.00	£1.00	50p	20p	10p	£2.00
USA1	2	2	1/25¢	25¢	25¢			\$1.00
USA2	2	1	1/25¢	25¢	25¢			\$1.00
USA3	1	1	1/25¢	25¢	25¢			\$1.00
USA4	1	1	1/50¢, 3/\$1.00	25¢	25¢			\$1.00
USA5	2	1	1/50¢, 4/\$1.00	25¢	25¢			\$1.00
USA6	1	1	1/50¢	25¢	25¢			\$1.00
USA7	1	1	1/50¢, 3/\$1.00	25¢	25¢			\$1.00
USA8	2	2	1/50¢, 4/\$1.00	25¢	25¢			\$1.00
USA9	3	2	1/25¢, 4/\$1.00	25¢	25¢			\$1.00
USA10	3	3	1/25¢, 4/\$1.00	25¢	25¢			\$1.00
USA11	4	2	1/25¢, 4/\$1.00	25¢	25¢			\$1.00
USA12	4	3	1/25¢, 4/\$1.00	25¢	25¢			\$1.00
USA13	4	4	1/25¢, 4/\$1.00	25¢	25¢			\$1.00
USA14	3	2	1/25¢	25¢	25¢			\$1.00
USA ECA	2	2	1/25¢, 4/\$1.00	\$1.00	25¢	10¢	05¢	\$1.00
USA DC 1	2	2	1/25¢	25¢	\$1.00			\$1.00
USA DC 2	2	1	1/25¢	25¢	\$1.00			\$1.00
USA DC 3	1	1	1/25¢	25¢	\$1.00			\$1.00
USA DC 4	3	2	1/25¢, 4/\$1.00	25¢	\$1.00			\$1.00
USA DC 5	3	3	1/25¢, 4/\$1.00	25¢	\$1.00			\$1.00
USA DC 6	4	2	1/25¢, 4/\$1.00	25¢	\$1.00			\$1.00
USA DC 7	4	3	1/25¢, 4/\$1.00	25¢	\$1.00			\$1.00
USA DC 8	4	4	1/25¢, 4/\$1.00	25¢	\$1.00			\$1.00

Main Menu
Adjustments Menu
Standard Pricing

Select Standard Pricing Mode

DIP Switch coinage is ON
Pricing Mode set by DIP Switches B1

10 of 65
Pricing Mode: USA 10
3 to Start 3 to Continue
1 CREDIT/1 COIN

Coin 1 (Left):	.25
Coin 2 (Right):	.25
Coin 3: (Center)	-
Coin 4: (Extra)	-
Bill Validator:	\$1.00

Hit Any Button to Continue

Main Menu
Adjustments Menu
Custom Pricing

Custom Pricing Settings

Use joystick to select item

Hit any button to change selected items.

Left Units	1
Right Units	1
Center Units	0
Extra Units	0
Validator	4
Units per Credit	1
Units per Bonus	NONE
Minimum Units	NO MIN
Credits to Start	3
Credits to Cont.	3
Maximum credits	30
Coins per Bill	4
Show Fractions	NO
Return to Menu	

Units given for each coin the player puts into the left chute. (default is 1)

Units given for each coin the player puts into the right chute. (default is 1)

Units given for each coin the player puts into the center chute. (default is 1)

Units given for each coin the player puts into the extra chute. (default is 1)

Units given for each bill the player puts into the validator. (default is 4)

Number of units needed to make one credit. (default is 1)

Number of units needed before a bonus credit is given. Set to zero for no bonus (default.)

Minimum units needed before any credit is given. Set to zero for no minimum (default).

Whether or not to show fractional credits on the credits screen. (default is no.)

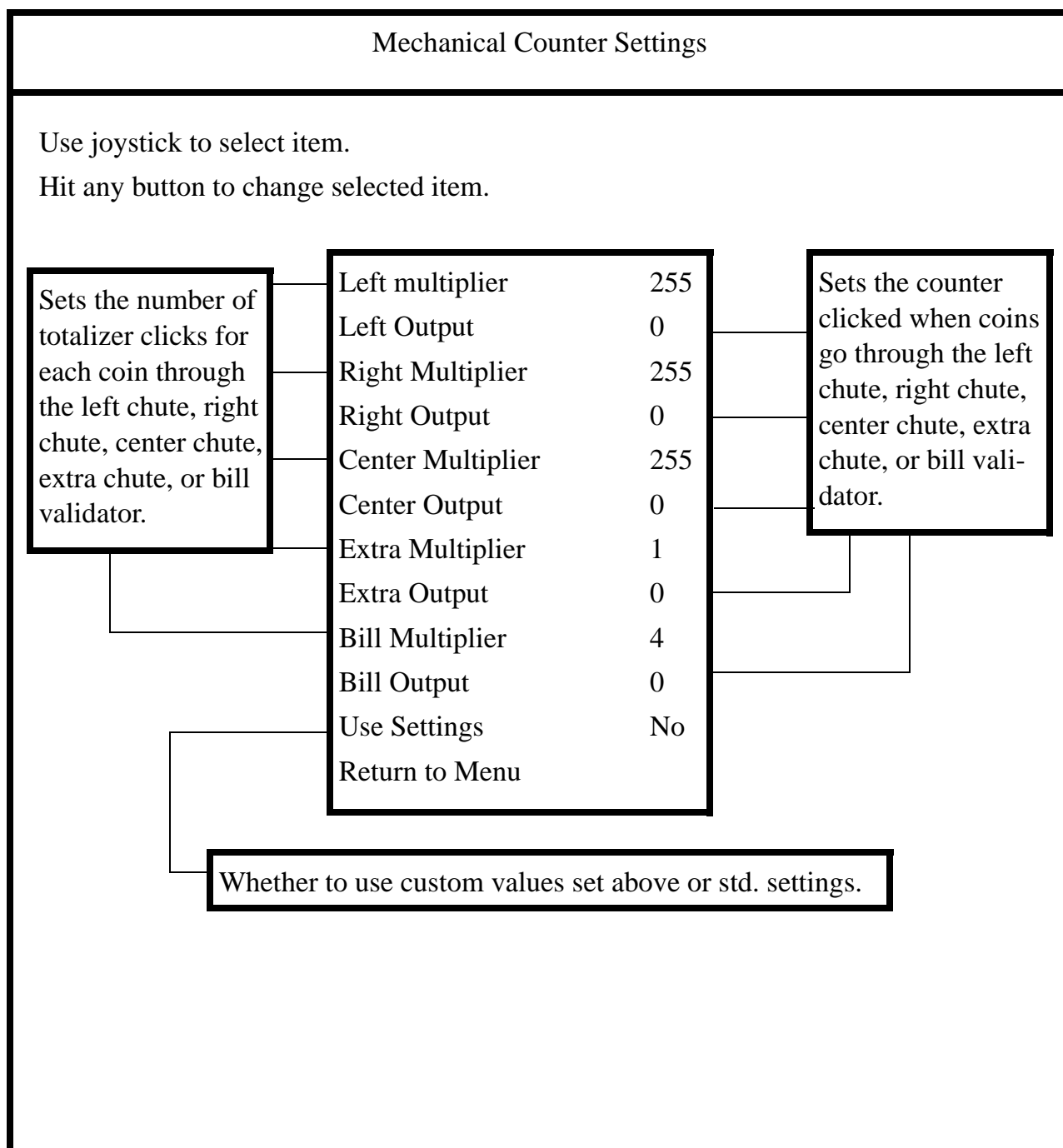
Total collections are based on this many coins per bill. Set to zero to disable the total collections display (default).

Maximum number of credits allowed (default is 30).

Number of credits needed to continue a game (default is 3).

Number of credits needed to start a game (default is 3).

Main Menu
Adjustments Menu
Mechanical Counters



Main Menu
Adjustments Menu
Bill Validator

Bill Validator		
<p>Sets whether or not there is a bill validator installed.</p> <p>Factory setting is YES</p> <p>Current setting is YES</p> <table border="1" style="margin: 0 auto;"><tr><td style="text-align: center;">YES</td></tr><tr><td style="text-align: center;">NO</td></tr></table> <p>Select YES or NO with joystick.</p> <p>Confirm choice with any button.</p>	YES	NO
YES		
NO		

Main Menu
Adjustments Menu
Tournament Mode

Tournament Mode		
<p>Makes changes to game adjustments and features for Tournament Play</p> <p>Factory setting is OFF</p> <p>Current setting is OFF</p> <table border="1" style="margin: 0 auto;"><tr><td style="text-align: center;">ON</td></tr><tr><td style="text-align: center;">OFF</td></tr></table> <p>Select ON or OFF with joystick.</p> <p>Confirm choice with any button.</p>	ON	OFF
ON		
OFF		

Main Menu
Adjustments Menu
Free Play

Free Play		
<p>Allows game to be played without credits or inserting coins. Factory setting is OFF Current setting is OFF</p> <table border="1"><tr><td style="text-align: center;">ON</td></tr><tr><td style="text-align: center;">OFF</td></tr></table> <p>Select ON or OFF with joystick. Confirm choice with any button.</p>	ON	OFF
ON		
OFF		

Main Menu
Adjustments Menu
Game Difficulty

Game Difficulty	
<p>Adjusts the difficulty level of the game. Factory setting is 3 MEDIUM Current setting is 3 MEDIUM</p> <table border="1"><tr><td style="text-align: center;">3 MEDIUM</td></tr></table> <p>Select with joystick. Confirm choice with any button.</p>	3 MEDIUM
3 MEDIUM	

Main Menu
Adjustments Menu
Game Clock Speed

<p style="text-align: center;">Multi Player Game Timer Speed</p>
<p style="text-align: center;">Adjusts the speed of the Multi-Player Game Clock. 60 = Real Time. Lower values make the Game Clock Faster Factory Setting is 40</p> <p style="text-align: center;"><input type="text" value="40"/></p> <p style="text-align: center;">Select with joystick. Confirm choice with any button.</p>

Main Menu
Adjustments Menu
Winner Stays

<p style="text-align: center;">Winner Stays</p>
<p style="text-align: center;">Determines if the winner of a multi-player game will be awarded a free game Factory setting is OFF Current setting is OFF</p> <p style="text-align: center;"><input type="text" value="ON"/> <input type="text" value="OFF"/></p> <p style="text-align: center;">Select ON or OFF with joystick. Confirm choice with any button.</p>

Main Menu

Adjustments Menu

Attract Mode Sounds

Attract Mode Sounds

Selects whether or not sounds will be played during attract mode.

Factory setting is ON

Current setting is OFF

ON

OFF

Select ON or OFF with joystick.

Confirm choice with any button.

Main Menu

Adjustments Menu

Blood Level

Game Blood Level

Determines the amount of blood effects
that will be displayed in the game.

This adjustment can be overridden by the
NO BLOOD switch SW1-1 (See manual)

Factory setting is Default Blood

Current setting is Default Blood

Default, No Blood, or Max Blood

Select Level with joystick.

Confirm choice with any button.

Main Menu
Utilities
Clear Credits

Clear Credits				
<table border="1"> <tr> <td>CLEAR CREDITS ARE YOU SURE?</td> </tr> <tr> <td style="text-align: center;"> <table border="1"> <tr> <td>YES</td> </tr> <tr> <td>NO</td> </tr> </table> </td> </tr> </table>	CLEAR CREDITS ARE YOU SURE?	<table border="1"> <tr> <td>YES</td> </tr> <tr> <td>NO</td> </tr> </table>	YES	NO
CLEAR CREDITS ARE YOU SURE?				
<table border="1"> <tr> <td>YES</td> </tr> <tr> <td>NO</td> </tr> </table>	YES	NO		
YES				
NO				

Screens are essentially the same for Clear Coin Counter, Clear Game Audits, Reset all Player Codes, Reset High Scores, Default Adjustments, and Factory Settings

Main Menu
Utilities
Set Time and Date

Set Time and Date
<p>Move Joystick LEFT and RIGHT to select field to adjust.</p> <p>Move joystick UP and DOWN to change value.</p> <p>Hit Start button to set time.</p> <p>Any other button to cancel and exit</p> <p>Time: 07:00:35 PM</p> <p>Date: Friday July 04 1776</p>

Main Menu
System Information

System Information

Game serial number
Game Type
Date of manufacture
Game Code Version
Game Code compiled
Diag code version
Disc ASIC U11 Version

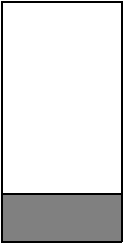
Hit any Button to Continue

Main Menu
Volume Adjustments
Set Volume

Set Volume

Adjust volume with Joystick
or Volume +/- Buttons.
Hit Any Other Button to Exit.

MAX



MIN

volume: 16

Main Menu
Volume Adjustments
Minimum Volume

Minimum Volume

Sets the minimum level allowed
when setting the volume.

Factory setting is 15
Current setting is 15

Minimum Volume

15

Select with joystick.
Confirm choice with any button.

NOTES: