

Machine Options

#	Option	Setting	Description	#	Option	Setting	Description
27	Bet Mode	0000 (0001) 0002 0003	Cash Only Credit Game Player Selectable Coin to Credit		Tokenization (All Markets except 16-See Below)	(0000) 0001 0002 0003	OFF 1.0 Token 0.50 Token (MC=27) 5.0 Token (MC=27)
26	Rebet-Autospin	0000 (0001) 0002 0003 0004 0005	No Rebet, No Autospin No Rebet, Autospin at Max. Credits No Rebet, Autospin at Max. Coins or Credits Rebet, No Autospin Rebet, Autospin at Max. Credits Rebet, Autospin at Max. Coins or Credits	22	Second Coin Denomination (MC=16 Only)	(0001) 0002 0003 0004 0005	1.0 Wager Coin (1:1) 0.50 Wager Coin (1:2) 0.20 Wager Coin (1:5) 0.10 Wager Coin (1:10) 0.05 Wager Coin (1:20)
09	Jackpot Bell	0000 0001 0002 0003 0004 0005 (0006)	No Bell Bell Rings on All Wins Rings on Wins of 20 or More Rings on Wins of 50 or More Rings on Wins of 100 or More Rings on Wins of 200 or More Rings on Wins Causing Lockup	70 71 72	MAPS® Progressive Cabinet ID	0000	The ID can be Represented as XXXXYYYYZZZZ Where Option 70=XXXX, Option 71=YYYY, and Option 72=ZZZZ.
10	Coin Denomination	0000 0001 0002 0003 0004 0005 0006 0007 0008 0009 0010 0011 0012 0013 0014 0015 0016 0017	500 250 100 50 25 20 10 5 2 1 0.5 0.25 0.2 0.1 0.05 0.01 4 2.5	58	Win Lockup	(0800) 0000-9999	Amount of Win for a Lockup. Follows Option 56 by Default. Must be Greater than Option 57 SAS® Lockup if SAS® Enabled.
11	Change Coin/Credit	0000 (0001)	Coins from Hopper Credits to Credit Meter	59	Coin Hopper Refill (Disabled)	(0000) 0000-9999	Number of Credits to Accumulate in Coin Hopper Refill Bookkeeping Meter for Each Fill.
02	Progressive Type	(0000) 0001 0002 0003 0004 0005 0006 0007 0008	OFF Lockup JPs for Awarding Prizes SPL Serial Progressive Link PPL Parallel Progressive Link MAPS® Multi Area Progressive System S/MPI Serial/Multiplex Progressive Interface MPI Multiplex Progressive Interface SAS® Progressive V3.xx OTT Over the Top SAS® Progressive V4.xx	06	Progressive Group ID	(0000) 0000-0255	SAS® Progressive V4.xx Group ID
07	Number of External Jackpots	(0000) 0001 0002 0003 0004	None One Two Three Four	57	SAS® Lockup	0800 (0000)-9999	Amount of Win for a SAS® Lockup. Must be Less than Option 58 Win Lockup and Greater than Option 51 Credit Limit.
18	Jackpot 4 Signal	(0000) 0001 0002 0003 0004	Combination of 2 & 3 Combination of 1 & 2 Combination of 1 & 3 Combination of 1, 2 & 3 Discrete Serial (Mikohn®)	12	Win Lockup Credit Release	(0000) 0000-9999	OFF Limit of Win Lockup Credits Added to Credit Meter by Actuation of a 2nd Key Switch.
80	Test 2 & 10 Enable	(0000) 0001	OFF Test 2 Output to Electro-Mechanical Meters OR Test 10 External Jackpot Signal	90	Host Remote Jackpot Release	(0000) 0001	OFF Lockups May Be Released by Host.
01	Tournament Minutes	(0000) 0001-0099	OFF Minutes for Tournament	91	Host Queue	(0000) 0001	No Queue Multiple Lockups Queued for Processing.
47	Attract Feature	0000 (0001)	OFF ON	95	Voucher Denomination Mismatch	(0000) 0001	Redeemable Vouchers Must be Evenly Divisible by the Machine's Denomination to be Accepted by the Machine. Machine Will Accept all Vouchers and Print a Change Voucher for Odd Amount.
38	Reel Stop Sound	(0000) 0001	Sound from Speaker Handle Solenoid Click	73	Voucher Validation Level	0000 0001 0002 0003	Standard Validation Host Enhanced Validation Host Secure Enhanced Validation Host System Validation
48	Tower Configuration	(0000) 0001-0007	This Option has Specialized Settings. Please See MOD 2 Setup and Operations	76	Voucher Receipt Enable	(0000) 0001	Printer Dispenses Only Redeemable Vouchers. Printer Dispenses Redeemable Vouchers and Informational Receipts.
50 Hi	Machine ID	(0000) 0000-9999	Upper Four Digits of Eight-Digit Identification Number.	61	Machine Directed Payment Configuration	(0001) 0002 0003	Hopper Seiko® PSA™ Printer Seiko® PSA™ Printer and Hopper
50 Lo	Machine ID	(0000) 0000-9999	Lower Four Digits of Eight-Digit Identification Number.	81	Coin Acceptor Enable	0000 (0001)	No Coin Acceptor Coin Acceptor Enabled
54	Coin Hopper Pay Amount	(0000) 0000-9999	Amount Paid from Hopper Upon a Lockup Under the Settings of 56 Credit Lockup & 51 Credit Limit.	74	Voucher Expiration	0000 (0001)-0255	No Expiration Days Before Voucher Expires
56	Credit Collect Lockup	(0800) 0000-9999	Number of Credits for a Lockup Upon any Collect.	64	Minimum Voucher Pay	8000 (0000)-9999	Fewest Credits That Will be Paid by Voucher.
62	Tournament Kitty	(0000) 0000-9999	Starting Amount of Credits for Tournament Operation.	67	Maximum Voucher Pay	(8000) 0000-9999	Most Credits That Will be Paid by Voucher.
63	Reset Prog. Amt.	(0000) 0000-9999	Credits Added to Counter Upon Progressive Jackpot Reset (MC=3 or MC=4)	14	Even Voucher Pay	(0000) 0001 0002 0003 0004 0005 0006 0007 0008 0009 0010	OFF Even Voucher Pay by 1.00 Even Voucher Pay by 2.00 Even Voucher Pay by 5.00 Even Voucher Pay by 10.00 Even Voucher Pay by 20.00 Even Voucher Pay by 50.00 Even Voucher Pay by 100.00 Even Voucher Pay by 200.00 Even Voucher Pay by 500.00 Even Voucher Pay by 1000.00
78 Hi	SAS® ID	(0000) 0001-9997 9998 9999	None SAS® 3.x, 4.x, and 5.x / GRIPS® Coin Free (MC=6) Non-Cashable Credits	77A 77B 77C	Site Location Label	(0000) 0000-0047	Allows the Operator to Enter Three (3) Lines of Address to be Printed on Vouchers.
78 Lo	Machine Number	(0000) 0000-0032	S/MPI Identification Number (Must Match Progressive Controller)	08	Credit Snap	(0000) 0001	Wins Added Incrementally to Credit Meter Wins Over 20 Added as a Sum to Credit Meter
04	Even-Handpay - Collect Lockup	(0000) 0001 0002 0003 0004	OFF Even Handpay by 10s Even Handpay by 100s Even Handpay by 1000s Machine Pays to next 1.00	05	Even hand Pay - Win Lockup	(0000) 0001 0002 0003 0004	OFF Even Handpay by 10s Even Handpay by 100s Even Handpay by 1000s Machine Pays to Next 1.00
51	Credit Top Limit	(0800) 0000-9999	Maximum Number of Credits Allowed on Credit Meter. Follows Option 56 by Default.	20	Extra Coin	(0000) 0001	Extra Coins Returned to the Player Extra Coins Applied to BET for Next Game (MC=16 Locked Default)
03	Tournament Seconds	(0000) 0001-0059	Seconds for Tournament.	66	PRD Sound Enable	(0000) 0001	Reel Stop Sound Enabled Reel Stop Sound Disabled
				68	Game Sounds	0000 (0001)	Internal Device External Sound Board (ProSound I or II)
				23	GRIPS® Host	(0000) 0001	No GRIPS® host or MC=28 w/out AFT GRIPS® Host (Also 78H>0000)
				92	SAS® Bonusing	(0000) 0001	Disabled Enabled (Also 78H>0000)
				98	Primary Host	(0000) 0001 0002	host Disabled SAS® Host (Also 78H>0000) SDS® Host
				99	Secondary Host	(0000) 0001 0002	Host Disabled SAS® Host (Also 78H>0000) SDS® Host
				69	Coin Acceptor	(0000) 0001	CC-16 IDX X-20 (Default if MC-16)
				75	Float Level (MC=16)	(0125) 0000-1024	Number of Coins to Eject from the Hopper During Hopper Dump.
				93	Bank Meter Transfer (MC=16)	(0000) 0001	Disabled Enabled

#	Code	S55	S6
20	Coin In Jam	X	X
21	Inappropriate Coin In	X	X
22	Invalid Coin	X	X
23	Coin Not Sensed	X	X
24	Coin Reverse	X	X
50-26 ₁	Bill Paused		X
50-27 ₁	Bill Jam		X
50-29 ₁	Bill Acceptor Communicatoin Error		X
30	Hopper Overpay	X	X
31	Hopper Coin-Out Jam	X	X
32	Hopper Empty	X	X
33	Reset During Payout	X	X
5 _x -36 ₁	Printer Failure		X
5 _x -37 ₁	Printer Jammed		X
5 _x -38 ₁	Printer Empty		X
5 _x -39 ₁	Printer Low ₃		X
40	Reel Initialization Error	X	X
41	Reel #1 Improper Spin	X	X
42	Reel #2 Improper Spin	X	X
43	Reel #3 Improper Spin	X	X
44	Reel #4 Improper Spin	X	X
45	Reel #5 Improper Spin	X	X
50	Slot Door Open	X	X
51	Belly Door Open		X
52	Bill Acceptor Stacker Access	X	X
53	Lower Door Open (Slant)	X	X
54	Drop Door Open	X	X
55	Bill Acceptor Stacker Access	X	X
60	Reset During Bill Change	X	X
65	Mechanical Meter Disconnect	X	X
70	Door Open During Reel Spin	X	X
71	Reel #1 Movement	X	X
72	Reel #2 Movement	X	X
73	Reel #3 Movement	X	X
74	Reel #4 Movement	X	X
75	Reel #5 Movement	X	X
77	Secondary Device Communication Fault During Game	X	X

*The door codes are 50 = Main Door, 51 = Belly Door, 52 = Bill Acceptor Cash Box Door, 53 = Slant Lower Door, 54 = Drop Door, and 55 = Bill Acceptor Cash Box.

*Malfunction codes with prefix "5x" appear only while the door is open.

*Malfunction codes 80, 81, 83, and 84 are part of the machine self-test during power ON or a System Reset. Upon an error, all of the machine's lamps flash. The lamps flash one or more times per second, depending on the problem.

*The Tower Service Light will flash for 1/2 second every 2 1/2 seconds.

DS2 DIP Switch Selections

DS 2 SW1 - SW4 Denomination

MARKET CODES 0 - 17, 22 ¹ , 24, 25, 28, 29					
SW1	SW2	SW3	SW4	VALUE	DENOM.
ON	ON	ON	ON	0000	500
OFF	ON	ON	ON	0001	250
ON	OFF	ON	ON	0002	100
OFF	OFF	ON	ON	0003	50
ON	ON	OFF	ON	0004	25
OFF	ON	OFF	ON	0005	20
ON	OFF	OFF	ON	0006	10
OFF	OFF	OFF	ON	0007	5
ON	ON	ON	OFF	0008	2
OFF	ON	ON	OFF	0009	1
ON	OFF	ON	OFF	0010	0.50
OFF	OFF	ON	OFF	0011	0.25
ON	ON	OFF	OFF	0012	0.20
OFF	ON	OFF	OFF	0013	0.10
ON	OFF	OFF	OFF	0014	0.05
OFF	OFF	OFF	OFF	0015	0.01
ON	ON	ON	ON	0016	4(MC=07)
ON	ON	ON	ON	0017	2.5 (INTL)
¹ MC 22 DOES NOT SUPPORT DENOMINATIONS LESS THAN 2.00					
MARKET CODE 18, 20					
SW1	SW2	SW3	SW4	VALUE	DENOM.
ON	ON	ON	ON	0000	5000
ON	OFF	ON	ON	0002	1000
OFF	OFF	ON	ON	0003	500
OFF	ON	OFF	ON	0005	200
MARKET CODE 19					
SW1	SW2	SW3	SW4	VALUE	DENOM.
ON	ON	ON	ON	0000	1000
OFF	ON	ON	ON	0001	500
ON	OFF	ON	ON	0002	250
ON	ON	OFF	ON	0004	50
OFF	ON	OFF	ON	0005	25
MARKET CODE 21					
SW1	SW2	SW3	SW4	VALUE	DENOM.
ON	ON	ON	ON	0000	5000
OFF	ON	ON	ON	0001	500
ON	OFF	ON	ON	0002	250
OFF	OFF	ON	ON	0003	200
ON	ON	ON	OFF	0004	100
OFF	OFF	OFF	OFF	0015	0.01

MARKET CODE 23					
SW1	SW2	SW3	SW4	VALUE	DENOM.
ON	ON	ON	ON	0000	500
ON	OFF	ON	ON	0002	100
OFF	OFF	ON	ON	0003	50
ON	ON	OFF	ON	0004	25
ON	OFF	OFF	ON	0006	10
OFF	OFF	OFF	ON	0007	5
ON	ON	ON	OFF	0008	1
OFF	ON	ON	OFF	0009	0.50
ON	OFF	ON	OFF	0010	0.25
OFF	OFF	ON	OFF	0011	0.20
ON	ON	OFF	OFF	0012	0.10
OFF	ON	OFF	OFF	0013	0.05
ON	OFF	OFF	OFF	0014	0.02
MARKET CODE 26 ¹ , 27					
SW1	SW2	SW3	SW4	VALUE	DENOM.
ON	OFF	OFF	ON	0006	5
OFF	OFF	OFF	ON	0007	2
ON	ON	ON	OFF	0008	1
OFF	ON	ON	OFF	0009	0.50
ON	OFF	ON	OFF	0010	0.25
OFF	OFF	ON	OFF	0011	0.20
ON	ON	OFF	OFF	0012	0.10
OFF	ON	OFF	OFF	0013	0.05
ON	OFF	OFF	OFF	0014	0.02
¹ MC 26 SUPPORTS DENOMINATIONS GREATER THAN 5. SEE MC 0.					
DS2 SW5 - 6 Bill Acceptor					
SW5	SW6	VALUE	BILL ACCEPTOR		
ON	ON	00	NO BILL ACCEPTOR		
OFF	ON	01	GPT/ARDAC		
ON	OFF	02	WBA		
OFF	OFF	03	MARS		
DS2 SW7 - 8 Special Feature					
SW 7		GAME FEATURE			
ON		NORMAL REEL SPIN			
OFF		CRAZY REEL SPIN			
SW8		DIVERter OPTIC SUPPORT			
ON		NOT PRESENT			
OFF		PRESENT			
SW8 AND MC=01 OR 13		AFT SUPPORT			
ON		NOT PRESENT			
OFF		PRESENT			

#	Code	S55	S6
80 ₂	ROM Checksum Error	X	X
81 ₂	Battery Low	X	X
82	Door Open with Power Off	X	X
83 ₂	SafeRAM™ Error	X	X
83F	SafeRAM™ Format Error	X	X
83F-0	Invalid SafeRAM™ EPROM		X
83F-1	Invalid Main EPROM		X
83F-3	Invalid Coin Denomination		X
84 ₂	RAM Error	X	X
85	MPU Removed with Power Off		X
86	Secondary Device Communication Fault During Game After Failure of the Second Attempt to Re-establish Communication.	X	X
88	Catastrophic Failure		X
90	Display Error		X
91	Communication Error	X	X
91-0	No Communication	X	X
91-1	Serial Checksum Error	X	X
91-2	Optioning Error	X	X
91-4	Mystery Machine Pay Timing Error	X	X
91-5	Jackpot Missing	X	X
91-7	Game Error Lockout	X	X
91-8	Host Defined Lockout in Configuration	X	X
91-9	Game in Host Configuration	X	X
91-A	Game Not Configured	X	X
91-B	Game in Host Disabled	X	X
91-E	Event Log Full	X	X
91-FF	Feature Fault	X	X
91nC	No Communication	X	X
91JP/Pd	The result from a key switch activation after a code 86 lockup condition.	X	X
EP	Awards Available but not Acknowledged by Controller.	X	X
HP			
HdiS	Communication Loss	X	X

DS1, DS3, DIP Switch Selections

DIP Switch DS1 Secondary Device Protocol									
System	sw1	sw2	sw3	sw4	sw5	sw6	sw7	sw8	
Anchor 1.6	OFF	OFF	*	OFF	ON	ON	*	*	*
PRD	*	*	*	ON	ON	OFF	*	*	*
SED ¹	*	*	*	ON	OFF	ON	*	*	*
BSG (Requires PRD Enabled)	*	*	*	OFF	ON	OFF	*	*	*
Message Center Display, 5-Digit	*	*	*	*	*	*	OFF	*	*
SafeRAM™ Clear (Intl) ²	*	*	*	*	*	*	*	*	ON/OFF
Bonusing	*	*	OFF	*	*	*	*	*	*

* Setting does not matter. Leave On.
¹Requires wheel control chip G23S0100S1RC1-01 or higher.
²Activates upon change of state (OFF to ON or ON to OFF).

DIP Switch DS3 sw1 - sw8 Market Code									
sw1	sw2	sw3	sw4	sw5	sw6	sw7	sw8	VALUE	MARKET
ON	ON	ON	ON	ON	ON	ON	ON	00	Nevada, VLC
OFF	ON	ON	ON	ON	ON	ON	ON	01	New Jersey
ON	OFF	ON	ON	ON	ON	ON	ON	02	Deadwood, SD; Quebec, Canada
OFF	OFF	ON	ON	ON	ON	ON	ON	03	France-Nominal %
ON	ON	OFF	ON	ON	ON	ON	ON	04	France-Basic %
OFF	ON	OFF	ON	ON	ON	ON	ON	05	Puerto Rico
ON	OFF	OFF	ON	ON	ON	ON	ON	06	South Africa
OFF	OFF	OFF	ON	ON	ON	ON	ON	07	Special Denom (AZ, Intl)
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	09	Reserved
ON	OFF	ON	OFF	ON	ON	ON	ON	10	Colorado
OFF	OFF	ON	OFF	ON	ON	ON	ON	11	USAF
ON	ON	OFF	OFF	ON	ON	ON	ON	12	OLGC
OFF	ON	OFF	OFF	ON	ON	ON	ON	13	Mississippi
ON	OFF	OFF	OFF	ON	ON	ON	ON	14	Gernamy
OFF	OFF	OFF	OFF	ON	ON	ON	ON	15	New Mexico
ON	ON	ON	ON	ON	ON	OFF	ON	16	England
OFF	ON	ON	ON	ON	ON	OFF	ON	17	Portugal
ON	OFF	ON	ON	ON	ON	OFF	ON	18	Italy
OFF	OFF	ON	ON	ON	ON	OFF	ON	19	Greece
ON	ON	OFF	ON	ON	ON	OFF	ON	20	Russia
OFF	ON	OFF	ON	ON	ON	OFF	ON	21	Chile
ON	OFF	OFF	ON	ON	ON	OFF	ON	22	Venezuela
OFF	OFF	OFF	ON	ON	ON	OFF	ON	23	Estoria
ON	ON	ON	OFF	ON	ON	OFF	ON	24	Phillippines
OFF	ON	ON	OFF	ON	ON	OFF	ON	25	Finland
ON	OFF	ON	OFF	ON	ON	OFF	ON	26	Ireland
OFF	OFF	ON	OFF	ON	ON	OFF	ON	27	Euro
ON	ON	OFF	OFF	ON	ON	OFF	ON	28	Switzerland
OFF	ON	OFF	OFF	ON	ON	OFF	ON	29	Manitoba