## 09-02-20

00	-02-20	1											
	GAME	NOTES			GAME	SELCTIO	N DIP SW	ITCH S5			CPU CLOC	K JUMPERS	RAM WIDTH S6
		COMBO ROM 09-02-20	A20	A19	A18	A17	A16	A15	A14	A13	.5Mhz	.895Mhz	D0-D4
	BALLY -17	REPLACING BALLY AS-2518-17	DIP-1	DIP-2	DIP-3	DIP-4	DIP-5	DIP-6	DIP-7	DIP-8	B1	S1	DIP-1 TO DIP-4
000	Black Jack	DIP 17, 18 & 19 ON for free play. Enhanced Switch Test	ON	ON	ON	ON	ON	ON	ON	ON	IN	OUT	OFF / OUT
001	Eight Ball	DIP 17, 18 & 19 ON for free play. Enhanced Switch Test	ON	ON	ON	ON	ON	ON	ON	OFF	IN	OUT	OFF / OUT
002	Evel Knievel	DIP 17, 18 & 19 ON for free play. Tilt exploit fixed. Drop target down logic.	ON	ON	ON	ON	ON	ON	OFF	ON	IN	OUT	OFF / OUT
003	Freedom	DIP 17, 18 & 19 ON for free play. Tilt exploit fixed. Drop target down logic.	ON	ON	ON	ON	ON	ON	OFF	OFF	IN	OUT	OFF / OUT
004	Mata Hari	DIP 17, 18 & 19 ON for free play. Drop target down logic.	ON	ON	ON	ON	ON	OFF	ON	ON	IN	OUT	OFF / OUT
005	Night Rider	DIP 17, 18 & 19 ON for free play. Tilt exploit fixed. Drop target down logic.	ON	ON	ON	ON	ON	OFF	ON	OFF	IN	OUT	OFF / OUT
006	Night Rider Custom	Home ROM by Seymour Shabow	ON	ON	ON	ON	ON	OFF	OFF	ON	IN	OUT	OFF / OUT
000			ON	ON	ON	ON	ON	OFF	OFF	OFF	IN	OUT	OFF / OUT
	Power Play	DIP 17, 18 & 19 ON for free play. Enhanced Switch Test											
008	Strikes and Spares	DIP 17, 18 & 19 ON for free play. Enhanced Switch Test	ON	ON	ON	ON	OFF	ON	ON	ON	IN	OUT	OFF / OUT
	BALLY -35	REPLACING BALLY AS-2518-35	DIP-1	DIP-2	DIP-3	DIP-4	DIP-5	DIP-6	DIP-7	DIP-8	B1	S1	DIP-1 TO DIP-4
009	Black Pyramid	DIP 25 & 26 ON for free play	ON	ON	ON	ON	OFF	ON	ON	OFF	IN	OUT	OFF / OUT
010	BMX	DIP 25 & 26 ON for free play	ON	ON	ON	ON	OFF	ON	OFF	ON	IN	OUT	OFF / OUT
011	Centaur	DIP 25 & 26 ON for free play	ON	ON	ON	ON	OFF	ON	OFF	OFF	IN	OUT	OFF / OUT
012	Centaur Home V27	Home ROM by Oliver O.	ON	ON	ON	ON	OFF	OFF	ON	ON	IN	OUT	OFF / OUT
013	Cybernaut	DIP 25 & 26 ON for free play	ON	ON	ON	ON	OFF	OFF	ON	OFF	IN	OUT	OFF / OUT
014	Dolly	DIP 25 & 26 ON for free play. DIP21 ON for 7 digit display. ***	ON	ON	ON	ON	OFF	OFF	OFF	ON	IN	OUT	OFF / OUT
015	Eight Ball Deluxe	DIP 25 & 26 ON for free play. Multiplayer bonus bug fixed.	ON	ON	ON	ON	OFF	OFF	OFF	OFF	IN	OUT	OFF / OUT
016	Eight Ball Deluxe Home V32	Home ROM by Oliver O.	ON	ON	ON	OFF	ON	ON	ON	ON	IN	OUT	OFF / OUT
017	Elektra	DIP 25 & 26 ON for free play	ON	ON	ON	OFF	ON	ON	ON	OFF	IN	OUT	OFF / OUT
018	Embryon	DIP 25 & 26 ON for free play	ON	ON	ON	OFF	ON	ON	OFF	ON	IN	OUT	OFF / OUT
019	Embryon Home R9	Home ROM by Oliver O. DIP 32=ON for 7 digit displays	ON	ON	ON	OFF	ON	ON	OFF	OFF	IN	OUT	OFF / OUT
020			ON	-		OFF	ON	OFF	ON	ON	IN	OUT	OFF / OUT
	Fathom	DIP 25 & 26 ON for free play		ON	ON								
021	Fathom Home V5	Home ROM by Oliver O.	ON	ON	ON	OFF	ON	OFF	ON	OFF	IN	OUT	OFF / OUT
022	Fireball Classic	DIP 25 & 26 ON for free play	ON	ON	ON	OFF	ON	OFF	OFF	ON	IN	OUT	OFF / OUT
023	Fireball II	DIP 25 & 26 ON for free play	ON	ON	ON	OFF	ON	OFF	OFF	OFF	IN	OUT	OFF / OUT
024	Flash Gordon	DIP 25 & 26 ON for free play	ON	ON	ON	OFF	OFF	ON	ON	ON	IN	OUT	OFF / OUT
025	Flash Grodon French	DIP 25 & 26 ON for free play. French Language	ON	ON	ON	OFF	OFF	ON	ON	OFF	IN	OUT	OFF / OUT
026	Frontier	DIP 25 & 26 ON for free play	ON	ON	ON	OFF	OFF	ON	OFF	ON	IN	OUT	OFF / OUT
027	Future Spa	DIP 25 & 26 ON for free play. DIP21 ON for 7 digit display. ***	ON	ON	ON	OFF	OFF	ON	OFF	OFF	IN	OUT	OFF / OUT
028	Harlem Globetrotters	DIP 25 & 26 ON for free play. DIP21 ON for 7 digit display. ***	ON	ON	ON	OFF	OFF	OFF	ON	ON	IN	OUT	OFF / OUT
020	Hotdoggin'	DIP 25 & 26 ON for free play. DIP 21 ON for reset letters at EOB	ON	ON	ON	OFF	OFF	OFF	ON	OFF	IN	OUT	OFF / OUT
				-				-					
030	Kings of Steel	DIP 25 & 26 ON for free play	ON	ON	ON	OFF	OFF	OFF	OFF	ON	IN	OUT	OFF / OUT
031	Kiss	DIP 17, 18 & 19 ON for free play	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	IN	OUT	OFF / OUT
032	Kiss 7-Digit	7 Digit displays. No free play.	ON	ON	OFF	ON	ON	ON	ON	ON	IN	OUT	OFF / OUT
033	Lost World	DIP 17, 18 & 19 ON for free play	ON	ON	OFF	ON	ON	ON	ON	OFF	IN	OUT	OFF / OUT
034	Medusa	DIP 25 & 26 ON for free play	ON	ON	OFF	ON	ON	ON	OFF	ON	IN	OUT	OFF / OUT
035	Mr and Mrs Pacman	DIP 25 & 26 ON for free play	ON	ON	OFF	ON	ON	ON	OFF	OFF	IN	OUT	OFF / OUT
036	Mystic	DIP 25 & 26 ON for free play. DIP21 ON for 7 digit display. ***	ON	ON	OFF	ON	ON	OFF	ON	ON	IN	OUT	OFF / OUT
037	Nitro Ground Shaker	DIP 25 & 26 ON for free play. DIP21 ON for 7 digit display. ***	ON	ON	OFF	ON	ON	OFF	ON	OFF	IN	OUT	OFF / OUT
038	Paragon	DIP 17, 18 & 19 ON for free play	ON	ON	OFF	ON	ON	OFF	OFF	ON	IN	OUT	OFF / OUT
039	Paragon 7-Digit	7 Digit Displays. No free play	ON	ON	OFF	ON	ON	OFF	OFF	OFF	IN	OUT	OFF / OUT
039		DIP 17, 18 & 19 ON for free play	ON	ON	OFF	ON	OFF	ON	ON	ON	IN	OUT	OFF / OUT
	Playboy					-							
041	Playboy 7-Digit	7 Digit Displays. No free play	ON	ON	OFF	ON	OFF	ON	ON	OFF	IN	OUT	OFF / OUT
042	Rolling Stones	DIP 25 & 26 ON for free play. DIP21 ON for 7 digit display. ***	ON	ON	OFF	ON	OFF	ON	OFF	ON	IN	OUT	OFF / OUT
043	Silverball Mania	DIP 25 & 26 ON for free play. DIP21 ON for 7 digit display. ***	ON	ON	OFF	ON	OFF	ON	OFF	OFF	IN	OUT	OFF / OUT
044	Skateball	DIP 25 & 26 ON for free play	ON	ON	OFF	ON	OFF	OFF	ON	ON	IN	OUT	OFF / OUT
045	Skateball Home	DIP 25 & 26 ON for free play. Improved attract mode lighting.	ON	ON	OFF	ON	OFF	OFF	ON	OFF	IN	OUT	OFF / OUT
046	Space Invaders	DIP 25 & 26 ON for free play. DIP21 ON for 7 digit display. ***	ON	ON	OFF	ON	OFF	OFF	OFF	ON	IN	OUT	OFF / OUT
047	Speakeasy 4 Player	DIP 25 & 26 ON for free play	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	IN	OUT	OFF / OUT
048	Speakeasy 2 Player	DIP 25 & 26 ON for free play	ON	ON	OFF	OFF	ON	ON	ON	ON	IN	OUT	OFF / OUT
049	Spectrum	DIP 25 & 26 ON for free play	ON	ON	OFF	OFF	ON	ON	ON	OFF	IN	OUT	OFF / OUT
050	Not Used	Not used	ON	ON	OFF	OFF	ON	ON	OFF	ON	IN	OUT	OFF / OUT
051	Spy Hunter	DIP 25 & 26 ON for free play.	ON	ON	OFF	OFF	ON	ON	OFF	OFF	IN	OUT	OFF / OUT
052	Star Trek	DIP 17, 18 & 19 ON for free play	ON	ON	OFF	OFF	ON	OFF	ON	ON	IN	OUT	OFF / OUT
			ON	ON	OFF	OFF	ON	OFF	ON	OFF	IN	OUT	OFF / OUT
053	Star Trek	7 Digit Displays. No free play			-			-		011			
054	Supersonic	DIP 17, 18 & 19 ON for free play	ON	ON	OFF	OFF	ON	OFF	OFF	ON	IN	OUT	OFF / OUT
055	Supersonic	7 Digit Displays. No free play	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	IN	OUT	OFF / OUT
056	The Six Million Dollar Man	DIP 17, 18 & 19 ON for free play. DIP31 must be OFF.	ON	ON	OFF	OFF	OFF	ON	ON	ON	IN	OUT	OFF / OUT
057	The Six Million Dollar Man	7 Digit Displays, No free play	ON	ON	OFF	OFF	OFF	ON	ON	OFF	IN	OUT	OFF / OUT
058	Vector	DIP 25 & 26 ON for free play	ON	ON	OFF	OFF	OFF	ON	OFF	ON	IN	OUT	OFF / OUT
059	Vector Home V5	Home ROM by Oliver O.	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	IN	OUT	OFF / OUT
060	Viking	DIP 25 & 26 ON for free play. DIP21 ON for 7 digit display. ***	ON	ON	OFF	OFF	OFF	OFF	ON	ON	IN	OUT	OFF / OUT
061	Voltan Escapes Cosmic Doom	DIP 17, 18 & 19 ON for free play	ON	ON	OFF	OFF	OFF	OFF	ON	OFF	IN	OUT	OFF / OUT
062	Voltan Escapes Cosmic Doom		ON	ON	OFF	OFF	OFF	OFF	OFF	ON	IN	OUT	OFF / OUT
063	X's and O's	DIP 25 & 26 ON for free play	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	IN	OUT	OFF / OUT
064	Xenon	DIP 25 & 26 ON for free play	ON	OFF	ON	ON	ON	ON	ON	ON	IN	OUT	OFF / OUT
50.	STERN MPU-100	REPLACING STERN MPU-100	DIP-1	DIP-2	DIP-3	DIP-4	DIP-5	DIP-6	DIP-7	DIP-8	B1	S1	DIP-1 TO DIP-4
065	Cosmic Princess	DIP 20 ON for free play. Credit Display Always On.	ON	OFF	ON	ON	ON	ON ON	ON ON	OFF	IN	OUT	OFF / OUT
066		DIP 20 ON for free play. Credit Display Always On. DIP 20 ON for free play. Credit Display Always On.		-	-			-					
	Dracula Het Hend		ON	OFF	ON	ON	ON	ON	OFF	ON	IN	OUT	OFF / OUT
067	Hot Hand	DIP 20 ON for free play. Credit Display Always On.	ON	OFF	ON	ON	ON	ON	OFF	OFF	IN	OUT	OFF / OUT
068	Lectronamo	DIP 20 ON for free play. Credit Display Always On.	ON	OFF	ON	ON	ON	OFF	ON	ON	IN	OUT	OFF / OUT
065	Magic	Same ROM as Cosmic Princess	ON	OFF	ON	ON	ON	ON	ON	OFF	IN	OUT	OFF / OUT
069	Memory Lane	DIP 20 ON for free play. Credit Display Always On.	ON	OFF	ON	ON	ON	OFF	ON	OFF	IN	OUT	OFF / OUT
068	Nugent	Same ROM as Lectronamo	ON	OFF	ON	ON	ON	OFF	ON	ON	IN	OUT	OFF / OUT
070	Pinball	DIP 20 ON for free play. Credit Display Always On.	ON	OFF	ON	ON	ON	OFF	OFF	ON	IN	OUT	OFF / OUT
071	Stars	DIP 20 ON for free play. Credit Display Always On.	ON	OFF	ON	ON	ON	OFF	OFF	OFF	IN	OUT	OFF / OUT
070	Stingray	Same ROM as Pinball	ON	OFF	ON	ON	ON	OFF	OFF	ON	IN	OUT	OFF / OUT
		Factory Modified ROM P11A. Unknown changes. No free play.	ON	OFF	ON	ON	OFF	ON	ON	ON	IN	OUT	OFF / OUT
		1, mounou	ON	OFF	ON	ON	OFF	ON	ON	OFF	IN	OUT	OFF / OUT
072	Trident	DIR 20 ON for free play. Credit Diaplay Always Co-		UFF									
072 073	Trident	DIP 20 ON for free play. Credit Display Always On.		075	0							0	
072	Trident Wild Fyre	Same ROM as Dracula	ON	OFF	ON	ON	ON	ON	OFF	ON	IN	OUT	OFF / OUT
072 073 066	Trident Wild Fyre STERN MPU-200 **	Same ROM as Dracula REPLACING STERN MPU-200	ON DIP-1	DIP-2	DIP-3	DIP-4	DIP-5	DIP-6	DIP-7	DIP-8	B1	S1	DIP-1 TO DIP-4
072 073 066 074	Trident Wild Fyre STERN MPU-200 ** Ali	Same ROM as Dracula	ON DIP-1 ON			DIP-4 ON	DIP-5 OFF	DIP-6 ON	DIP-7 OFF	DIP-8 ON	B1 OUT	1 1	DIP-1 TO DIP-4 ON / IN
072 073 066	Trident Wild Fyre STERN MPU-200 **	Same ROM as Dracula REPLACING STERN MPU-200	ON DIP-1	DIP-2	DIP-3	DIP-4	DIP-5	DIP-6	DIP-7	DIP-8	B1	S1	DIP-1 TO DIP-4
072 073 066 074	Trident Wild Fyre STERN MPU-200 ** Ali	Same ROM as Dracula REPLACING STERN MPU-200 Stock ROM. No free play	ON DIP-1 ON	DIP-2 OFF	DIP-3 ON	DIP-4 ON	DIP-5 OFF	DIP-6 ON	DIP-7 OFF	DIP-8 ON	B1 OUT	S1 IN	DIP-1 TO DIP-4 ON / IN
072 073 066 074 075	Trident Wild Fyre STERN MPU-200 ** Ali Ali	Same ROM as Dracula REPLACING STERN MPU-200 Stock ROM. No free play Always free play	ON DIP-1 ON ON	DIP-2 OFF OFF	DIP-3 ON ON	DIP-4 ON ON	DIP-5 OFF OFF	DIP-6 ON ON	DIP-7 OFF OFF	DIP-8 ON OFF	B1 OUT OUT	S1 IN IN	DIP-1 TO DIP-4 ON / IN ON / IN
072 073 066 074 075 076	Trident Wild Fyre STERN MPU-200 ** Ali Ali Big Game	Same ROM as Dracula REPLACING STERN MPU-200 Stock ROM. No free play Always free play Stock ROM. No free play	ON DIP-1 ON ON ON	DIP-2 OFF OFF OFF	DIP-3 ON ON ON	DIP-4 ON ON ON	DIP-5 OFF OFF OFF	DIP-6 ON ON OFF	DIP-7 OFF OFF ON	DIP-8 ON OFF ON	B1 OUT OUT OUT	S1 IN IN IN	DIP-1 TO DIP-4 ON / IN ON / IN ON / IN

## 09-02-20

078 079 080 081 082 083 084 085 086 087	STERN MPU-200 ** Catacomb Catacomb	COMBO ROM 09-02-20 REPLACING STERN MPU-200	A20 DIP-1	A19	A18	A17	A16	A15	A14	A13	.5Mhz	.895Mhz	D0 D4
079 080 081 082 083 084 085 086	Catacomb		DIP-1										D0-D4
079 080 081 082 083 084 085 086				DIP-2	DIP-3	DIP-4	DIP-5	DIP-6	DIP-7	DIP-8	B1	S1	DIP-1 TO DIP-4
080 081 082 083 084 085 086	Catacomb	Stock ROM. No free play	ON	OFF	ON	ON	OFF	OFF	OFF	ON	OUT	IN	ON / IN
081 082 083 084 085 086		Always free play	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OUT	IN	ON / IN
082 083 084 085 086	Cheetah	Stock ROM. No free play	ON	OFF	ON	OFF	ON	ON	ON	ON	OUT	IN	ON / IN
083 084 085 086	Cheetah	Stock ROM. B16 version. No free play	ON	OFF	ON	OFF	ON	ON	ON	OFF	OUT	IN	ON / IN
083 084 085 086	Cheetah	Always free play	ON	OFF	ON	OFF	ON	ON	OFF	ON	OUT	IN	ON / IN
085 086	Cheetah Home	Only one collect bonus per ball.	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OUT	IN	ON / IN
086	Dragonfist	Stock ROM. No free play	ON	OFF	ON	OFF	ON	OFF	ON	ON	OUT	IN	ON / IN
	Dragonfist	Always free play	ON	OFF	ON	OFF	ON	OFF	ON	OFF	OUT	IN	ON / IN
087	Dragonfist Home v1106	Bonus X bug fix. DIP 19 ON = Free play	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OUT	IN	ON / IN
001	Flight 2000	Stock ROM. No free play	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OUT	IN	ON / IN
088	Flight 2000	Always free play	ON	OFF	ON	OFF	OFF	ON	ON	ON	OUT	IN	ON / IN
132	Flight 2000 V33	Custom ROM. DIP 19 ON = free play.	OFF	ON	ON	ON	ON	OFF	ON	ON	OUT	IN	ON / IN
089	Freefall	Stock ROM. No free play	ON	OFF	ON	OFF	OFF	ON	ON	OFF	OUT	IN	ON / IN
090	Freefall	Always free play	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OUT	IN	ON / IN
091	Galaxy	Stock ROM. No free play	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	OUT	IN	ON / IN
092	Galaxy	Always free play	ON	OFF	ON	OFF	OFF	OFF	ON	ON	OUT	IN	ON / IN
093	Iron Maiden	Stock ROM. No free play	ON	OFF	ON	OFF	OFF	OFF	ON	OFF	OUT	IN	ON / IN
094	Iron Maiden	Always free play	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OUT	IN	ON / IN
095	Lightning	Stock ROM. No free play	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	OUT	IN	ON / IN
096	Lightning	Always free play	ON	OFF	OFF	ON	ON	ON	ON	ON	OUT	IN	ON / IN
097	Meteor	Stock ROM. No free play. Factory Bonus X underflow to 256X bug fix	ON	OFF	OFF	ON	ON	ON	ON	OFF	OUT	IN	ON / IN
098	Meteor 7 Digit	V24 7 Digit Displays	ON	OFF	OFF	ON	ON	ON	OFF	ON	OUT	IN	ON / IN
099	Meteor Divide by 10	Scoring divided by ten. No free play	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OUT	IN	ON / IN
100	Meteor Free	Always free play	ON	OFF	OFF	ON	ON	OFF	ON	ON	OUT	IN	ON / IN
101	Nine Ball	Stock Rom. No free play	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OUT	IN	ON / IN
102	Nine Ball	Always free play	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OUT	IN	ON / IN
102	Orbitor One	Stock Rom. No free play	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OUT	IN	ON / IN
104	Orbitor One	Always free play	ON	OFF	OFF	ON	OFF	ON	ON	ON	OUT	IN	ON / IN
105	Orbitor One	No minimum game time. Always free play	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OUT	IN	ON / IN
105	Quicksilver	Stock Rom. No free play	ON	OFF	OFF	ON	OFF	ON	OFF	ON	OUT	IN	ON / IN
100	Quicksilver	Always free play	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OUT	IN	ON / IN
107	Seawitch	Stock Rom. No free play	ON	OFF	OFF	ON	OFF	OFF	ON	ON	OUT	IN	ON / IN
100	Seawitch	Always free play	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OUT	IN	ON / IN
110	Split Second	Stock Rom. No free play	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OUT	IN	ON / IN
111	Split Second	Always free play	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OUT	IN	ON / IN
111			ON	OFF	OFF	OFF		OFF		OFF	OUT	IN	ON / IN
112	Star Gazer	Stock Rom. No free play	ON	OFF		OFF	ON	ON	ON ON	OFF	OUT	IN	
113	Star Gazer Star Gazer Home R9	Always free play Home ROM by Oliver O.	ON	OFF	OFF OFF	OFF	ON ON	ON	OFF	OFF	OUT	IN	ON / IN ON / IN
114			OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OUT	IN	ON / IN
	,	Cntr drops for bot roll overs. L/R banks for spinner 10x. Bonus X halved											
115	Viper	Stock Rom. No free play	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OUT	IN	ON / IN
116	Viper	Always free play	ON DIP-1	OFF DIP-2	OFF	OFF DIP-4	ON	OFF DIP-6	ON DIP-7	ON	OUT B1	IN S1	ON / IN
447	Bally Video and Special	REPLACING AS-2518-133 and Conversion Kits			DIP-3		DIP-5			DIP-8			DIP-1 TO DIP-4
117 118	Baby Pacman	No free play.	ON	OFF OFF	OFF	OFF	ON	OFF	ON OFF	OFF	IN	OUT OUT	OFF / OUT
118 119	Granny and the Gators	No free play.	ON ON	OFF	OFF	OFF	ON ON	OFF OFF	OFF	ON OFF	IN IN	OUT	OFF / OUT OFF / OUT
	Grand Slam 2 Player	DIP 25 & 26 ON for free play			OFF	OFF							
120	Grand Slam 4 Player	DIP 25 & 26 ON for free play	ON	OFF	OFF	OFF	OFF	ON	ON	ON	IN	OUT	OFF / OUT
121	Goldball	No free play.	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	IN	OUT	OFF / OUT
122	Goldball Home	Home ROM by Oliver O.	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	IN	OUT	OFF / OUT
123	Mystic Star	No free play	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	IN	OUT	OFF / OUT
124	World Defender	No free play	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	IN	OUT	OFF / OUT
125	Super Bowl	No free play	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	IN	OUT	OFF / OUT
126	Super Bowl	Custom Free play ROM by Quench	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	IN	OUT	OFF / OUT
127	Saturn 2	No free play	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	IN	OUT	OFF / OUT
128	Midnight Mauraders		OFF	ON	ON	ON	ON	ON	ON	ON	IN	OUT	OFF / OUT
130	Rapid Fire		OFF	ON	ON	ON	ON	ON	OFF	ON	IN	OUT	OFF / OUT
131	Black Beauty	Stern Shuffle Board	OFF	ON	ON	ON	ON	ON	OFF	OFF	IN	OUT	OFF / OUT
133	Monroe Bowl	Monroe Ball Bowler	OFF	ON	ON	ON	ON	OFF	ON	OFF	IN	OUT	OFF / OUT
254	MEMORY CLEAR **	When the LED begins to blink the memory will be cleared.	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	EITHER B	1 OR S1 IN	ON / IN

NOTES:

RAM width may be zero ohm jumper shunts(OUT / IN) or a DIP switch (OFF / ON). IN / ON for MPU200 only.

B1 and S1 jumpers set the CPU clock speed. B IN for 0.5MHz (Bally -17, -35, -133 and Stern MPU-100). S IN for 0.895MHz (Stern MPU-200)

Jumper shunt U2 Enable is removed when the U1 expanded ROM socket is used.

Clear audits with the Test and NMI Audit Clear buttons after switching games.

Starting in Revision 14 the game select dip switch is oreintated so UP is on and DOWN is off.

\*\* If you experience wrong sounds in a Stern Meteor use the MEMORY CLEAR software (DEC # 254). Power up and when the LED begins to blink the memory has been cleared.

\*\*\* DIP 21 Must be off when using original six digit displays in a game that supports seven digit displays.

## MPU Setup pictures at http://nvram.weebly.com/mpu.html