



GAME	NOTES	GAME SELECTION DIP SWITCH S5										CPU CLOCK JUMPERS		RAM WIDTH S6
		COMBO ROM 04-01-20										.5Mhz	.895Mhz	D0-D4
STERN MPU-200 **	REPLACING STERN MPU-200	DIP-1	DIP-2	DIP-3	DIP-4	DIP-5	DIP-6	DIP-7	DIP-8	DIP-9	DIP-10	B1	S1	DIP-1 TO DIP-4
080	Cheetah	Stock ROM. No free play	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	OUT	IN	ON / IN
081	Cheetah	Stock ROM. B16 version. No free play	ON	OFF	ON	OFF	ON	ON	ON	ON	OFF	OUT	IN	ON / IN
082	Cheetah	Always free play	ON	OFF	ON	OFF	ON	ON	OFF	ON	ON	OUT	IN	ON / IN
083	Cheetah Home	Only one collect bonus per ball.	ON	OFF	ON	OFF	ON	ON	OFF	OFF	OUT	IN	ON / IN	
084	Dragonfist	Stock ROM. No free play	ON	OFF	ON	OFF	ON	OFF	ON	ON	OUT	IN	ON / IN	
085	Dragonfist	Always free play	ON	OFF	ON	OFF	ON	OFF	ON	ON	OFF	OUT	IN	ON / IN
086	Dragonfist Home	Bonus X advance bug fix. No free play.	ON	OFF	ON	OFF	ON	OFF	OFF	ON	OUT	IN	ON / IN	
087	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 Home 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	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	ON	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	ON	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 stack overflow bug fix	ON	OFF	OFF	ON	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	
103	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	ON	OUT	IN	ON / IN	
106	Quicksilver	Stock Rom. No free play	ON	OFF	OFF	ON	OFF	ON	OFF	ON	OUT	IN	ON / IN	
107	Quicksilver	Always free play	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OUT	IN	ON / IN	
108	Seawitch	Stock Rom. No free play	ON	OFF	OFF	ON	OFF	ON	ON	ON	OUT	IN	ON / IN	
109	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	
112	Star Gazer	Stock Rom. No free play	ON	OFF	OFF	OFF	ON	ON	ON	ON	OUT	IN	ON / IN	
113	Star Gazer	Always free play	ON	OFF	OFF	OFF	ON	ON	ON	OFF	OUT	IN	ON / IN	
114	Star Gazer Home R9	Home ROM by Oliver O.	ON	OFF	OFF	OFF	ON	ON	OFF	ON	OUT	IN	ON / IN	
129	Star Gazer Seymour Home V6	Cntr drops for bot roll overs. L/R banks for spinner 10x. Bonus X halved	OFF	ON	ON	ON	ON	ON	ON	OFF	OUT	IN	ON / IN	
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	OFF	OFF	OFF	ON	OFF	ON	ON	OUT	IN	ON / IN	
	<b>Bally Video and Special</b>	<b>REPLACING AS-2518-133 and Conversion Kits</b>	<b>DIP-1</b>	<b>DIP-2</b>	<b>DIP-3</b>	<b>DIP-4</b>	<b>DIP-5</b>	<b>DIP-6</b>	<b>DIP-7</b>	<b>DIP-8</b>	<b>B1</b>	<b>S1</b>	<b>DIP-1 TO DIP-4</b>	
117	Baby Pacman	No free play.	ON	OFF	OFF	OFF	ON	OFF	ON	ON	IN	OUT	OFF / OUT	
118	Granny and the Gators	No free play.	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	IN	OUT	OFF / OUT	
119	Grand Slam 2 Player	DIP 25 & 26 ON for free play	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	IN	OUT	OFF / OUT	
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	Satum 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	
254	MEMORY CLEAR **	When the LED begins to blink the memory will be cleared.	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	EITHER B1 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 orientated 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://nvr.am.weebly.com/mpu.html>**