

# OPERATION Manual

Multigame Arcade Table ( New style)  
(ID:8050)



- Please read the manual careful before using this product!
- Please keep the manual well!
- The specification of this product are subject to change without notice for reason such as improving the performance.

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## 1. DESCRIPTION

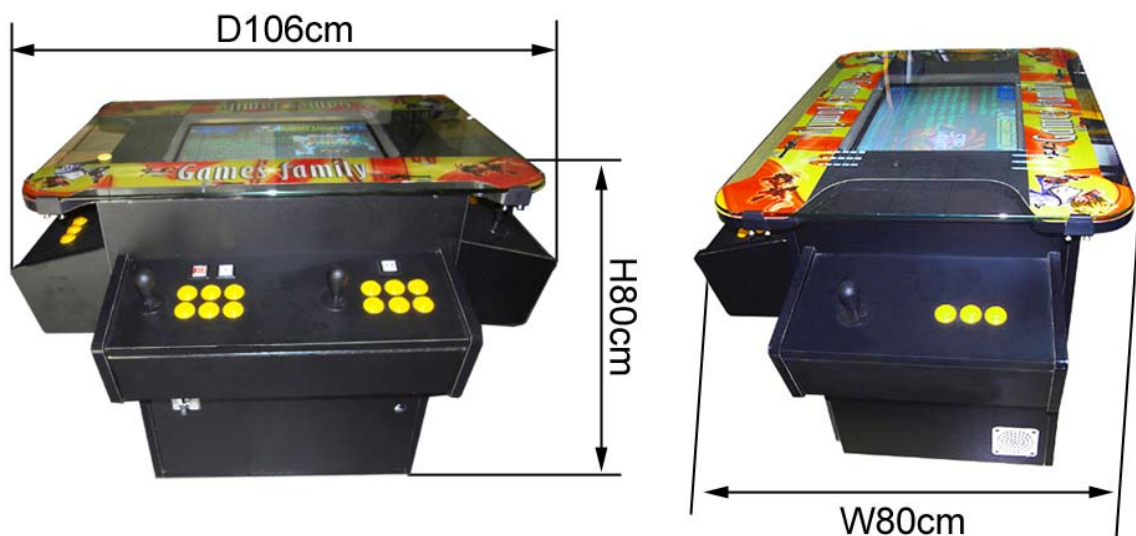
Cocktail Table equipped by durable wooden cabinet with reinforced glass top, 20" VGA monitor which automatic screen flip for favor multi games. Cabinet with three control panels which set up comparable electronic CPU coin selector and stereo speakers.

## 2. FEATURE INTRODUCTION

- (1) Support 1066 horizontal and vertical direction games operation.
- (2) VGA video output.
- (3) 3 Stereo audio output.
- (4) Classified all games to Stage, Flying/Shooting, Wrestle/Fighting, Maze/Puzzle, Adult, Sport, Misc. /Others, and Special/Classical game list.
- (5) Each game list can hide or display.
- (6) Each game in list can be deleted or retrieved.
- (7) Each game configuration (difficulty, lives, credit...) are adjustable.
- (8) Coins and credit value can be adjustable by DIP SW.

## 3. SPECIFICATION

- (1) Durable wooden cabinet
- (2) 20" VGA monitor
- (3) Reinforced glass top
- (4) Comparable electronic CPU coin selector
- (5) Stereo speakers
- (6) Control panel with three control panels
- (7) Joystick 1 piece at each side, and 2 piece at middle side
- (8) Push button 3 pieces at each side, and 12 pieces at middle side
- (9) Start button 2 piece (single/double) at middle side and left side.
- (10) Dimension: W80 X D106 X H80CM



## 4. STRUCTURE

### 4-1. 1 Outlook view



- |                               |                             |
|-------------------------------|-----------------------------|
| ① 20"VGA monitor              | ② Control panel (left side) |
| ③ Control panel (middle side) | ④ Fan                       |
| ⑤ Coin selector               | ⑥ Front door lock           |
| ⑦ Control panel (Right side)  | ⑧ Back door lock            |
| ⑨ Power adaptor               | ⑩ Power switch              |

#### 4-1-2. Control panel



#### (1) Control panel-left side

1. Joystick
2. Push buttons

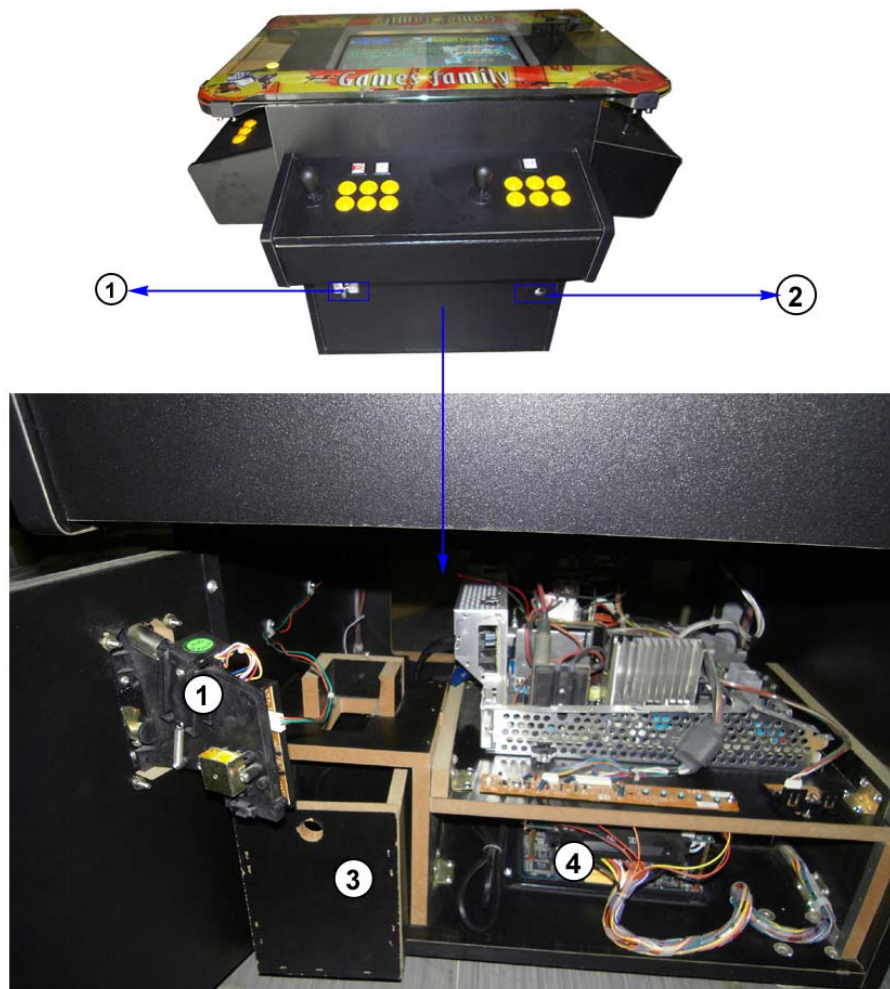
#### (2) Control panel-right side

3. Joystick
4. Start button-1P
5. Start button-2P
6. Push buttons

#### (3) Control panel-middle side

7. Mode button
8. Start button-1P
9. Start button-2P
10. Joystick-1P
11. Push button-1P
12. Joystick-2P
13. Push button-2P

#### 4-2-1. Inner view



① Coin selector

③ Coin box

② Front door lock

④ Main board

##### 4-2-1-1. Coin selector

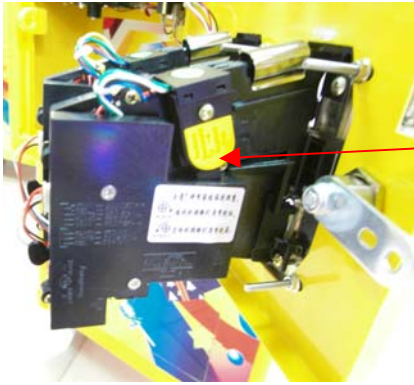
###### A: Coins specification

- Workable Voltage: DC +12V
- Accepted Coin diameter: 18mm ~ 31mm
- Accepted Coin thickness: 1.2mm ~ 3.0mm

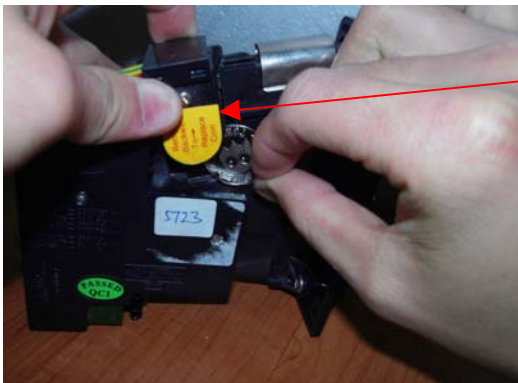
###### B: Coin installation

- (1) Slide the coin clamp backward and insert a right coin into the clamp slot,  
Then pinch the coin.





Coin clamp slot

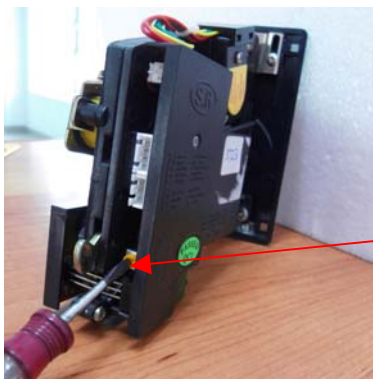


Loose coin clamp



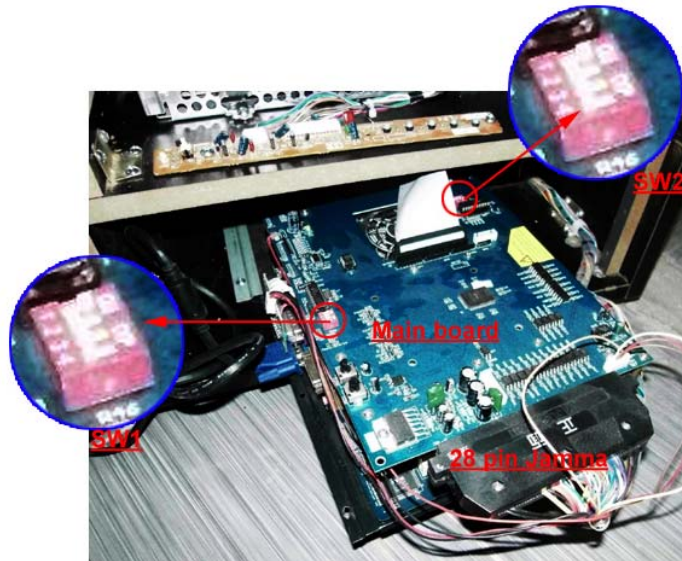
Pinch coin

- (2) Adjust the insert slot opening size by loosening screw B in the back side of front metal panel to fit your coin's diameter if necessary that can prevent the bigger invalid coins form inserting.
- (3) VR tuning for sensitivity of coin acceptance, turn clockwise (+) for slack coin selection & anti-clock-wise (-) for strict coin selection against slugs.



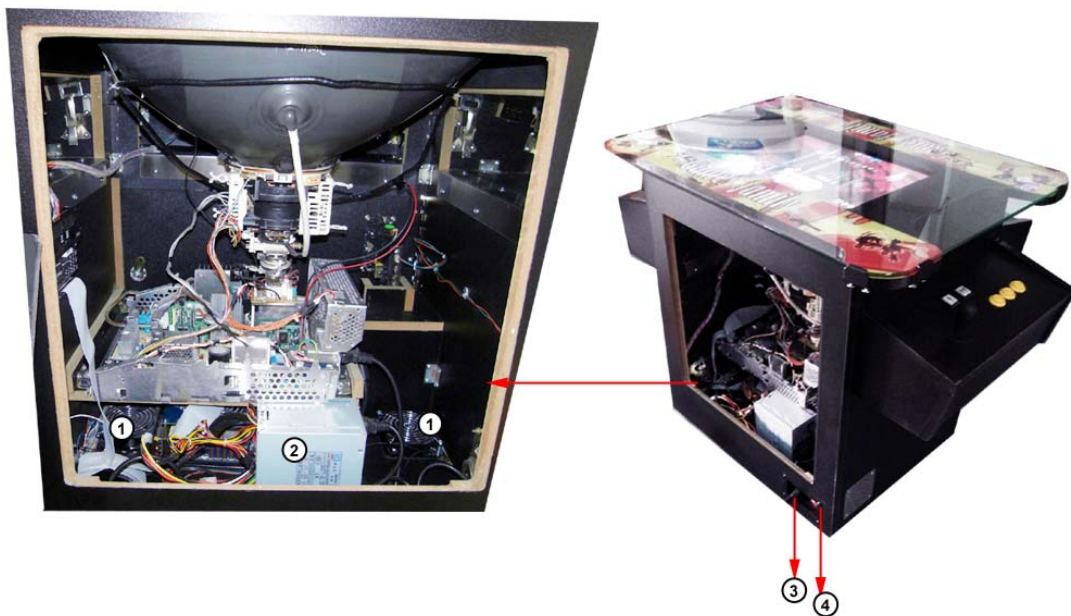
VR adjust

### 4-2-1-2. Main board



Remark: Please pull back the main board from the bottom of machine when to setup the system (Refer to SYSTEM SETTING Page 6)

### 4-2-3. Side inner view



- ① Fan
- ② Power supply
- ③ Power adaptor
- ④ Power switch



## **5. How to Play**

- (11) Switch machine power on and wait for 2 minutes, game list will display on screen.
- (12) Insert coins/tokens first, then turn IP joystick up and down to select game and turn left and right to select game by page.
- (13) Press 1P Start Button to start the game.
- (14) Hold 1P Start Button for 3 seconds to exit from the game to game list.
- (15) On the game list, press Mode Button may change Special, vertical or cocktail mode.
- (16) On special game mode and cocktail mode, press 1P S1 or S2 Button for 2 players to play the game together.

## **6. SYSTEM SETTING**

Coin and credit value setting table:  
SW1:

COIN	CREDIT	SW1		
		4	2	1
1 COIN	1 CREDIT	OFF	OFF	OFF
1 COIN	2 CREDITS	ON	OFF	ON
1 COIN	3 CREDITS	ON	ON	OFF
1 COIN	4 CREDITS	ON	ON	ON
2 COINS	1 CREDIT	OFF	OFF	ON
3 COINS	1 CREDIT	OFF	ON	OFF
4 COINS	1 CREDIT	OFF	ON	ON

(TABLE 1)

**SYSTEM FUNCTION SETTING TABLE**

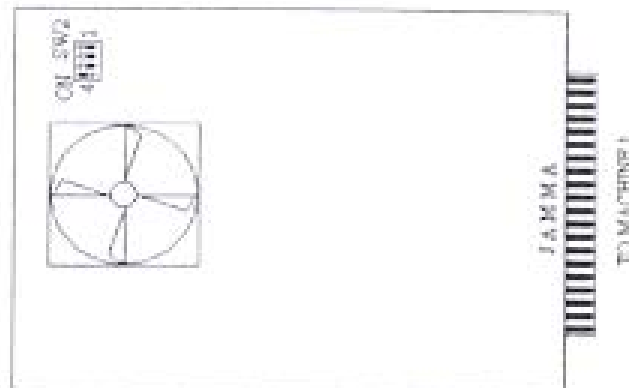
SW2 :

FUNCTION		SWITCH POSITION			
		4	3	2	1
GAME MODE		OFF			
SETTING MODE		ON			
MULTY GAME MODE			OFF		
SINGLE GAME MODE			ON		
EXIT OPERATION	PRESS 1P START BUTTON ONLY			OFF	
	PRESS 1P START AND BUTTON A			ON	
INSERT COINS	BEFORE GAME SELECT				OFF
	AFTER GAME SELECT				ON

(TABLE 2)

## 7. MODIFY GAME LIST DISPLAY ON HIDE

- (1) Set bit 4 of SW2 at ON position

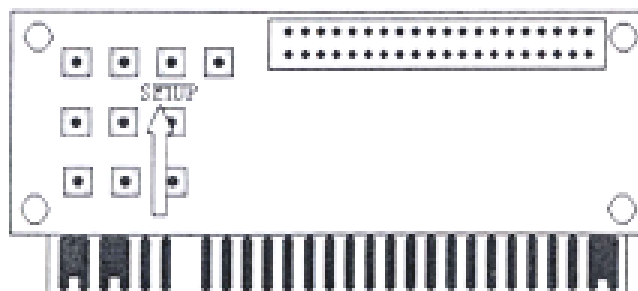


(Figure 1)



(Figure 2)

- (2) In the game list state (Figure2), Press SETUP key (Figure 3) to entry " System Setting" menu (Figure4)



(Figure 3)

- (3) Select "Game List Setting" item by 1P joystick (Figure 4) and press 1P START button to entry "Game List Setting" menu (Figure 5).



(Figure 4)



(Figure 5)

- (4) Select "Show/Hide Game List" item by 1P joystick (Figure 5).
- (5) Press 1P START button to entry the menu. (Figure 6).



(Figure 6)

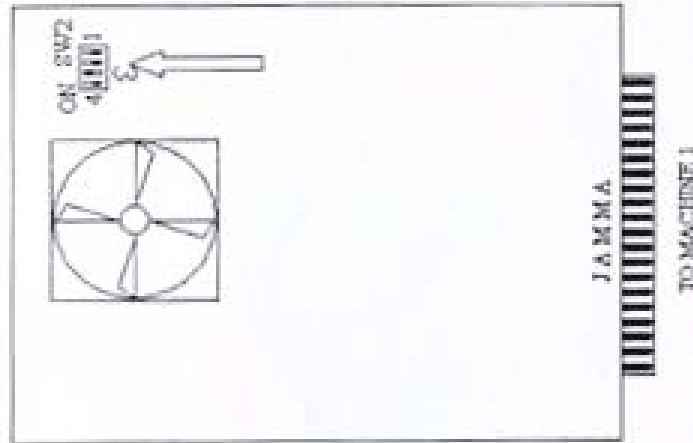
- (6) Move 1P Joystick up or down to select item and left or right to make a mark.(Mark stands for display. )
- (7) Press 1P start button to save the current setting and exit, press 1P B(shoot2) button to cancel the setting and exit. (Figure 6).
- (8) Select 'Back to Main Menu "item, press 1P start button to back to "System Setting" Menu (Figure 5)
- (9) Select "Exit" item and press 1P start button, then back to the game list. (Figure 4)
- (10) Switch OFF bit 4 of SW2. (Figure 1)
- (11) Execute any of game then exit.

**NOTE:**

- (1) If exit without executing any of game, system will be adjusted to the preceding state on next start.
- (2) "Restore factory Game List" means to cover all that have been modified, and retrieve to original setting.

## 8. ONE GAME BUSINESS MODE

- (1) Select a favorite game and entry to game mode.
- (2) Switch on SW2 bit 3 (Figure 7).
- (3) "Escape to game menu" function will be disabled.



(Figure 7)

### MODIFY GAME LIST (ADD GAME)

- (1) Switch ON bit 4 of SW2 (Figure 1).
- (2) In the game list state (figure 2), press SETUP key (figure 3) to entry " System Setting" menu (Figure 8).



(Figure 8)



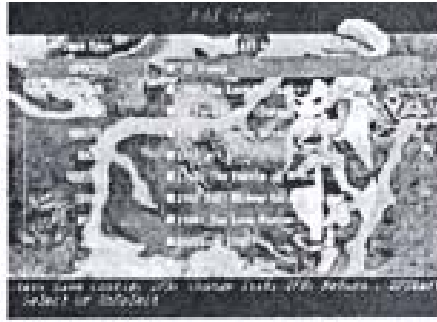
(Figure 9)

- (3) Select " Game List setting" by using 1P joystick up or down, Press 1P Start Button to entry "game list setting "(Figure 8)
- (4) Select "ADD GAME" by 1P joystick up or down (Figure 9) and press 1P Start Button to entry "ADD GAME" menu (Figure 10).





(Figure 10)



(Figure 11)

- (5) Press 1P Button A (shoot 1) to move cursor to the “game type” (Figure 10)
- (6) Select the game name which will be added, press 1P A(shoot 1) button and move cursor to the “Game List” (Figure 11)  
 Move 1P joystick up or down to select, left and right to change the page.
- Move cursor to the game name which will be added, In front of the square of game name, press 2P start button to tick off the mark, press 1P start button to save and press 1P B(shoot 2) to exit (Figure 9). Back to main menu (Figure 2).
- (7) Switch OFF bit 4 of SW2. (Figure 1).
- (8) Execute any of game then exit. (Figure 2)

## 9. MODIFY GAME LIST (DELETE GAME)

- (1) Switch ON bit 4 of SW2 (Figure 1).
- (2) In the game list state (figure 2), press setup key (Figure 3) to entry “System Setting” menu (Figure 4).
- (3) Select “Game List setting “ by 1P joystick up or down (Figure 4), Press 1P Start Button to entry “Game List setting” (Figure 12)



(Figure 12)



(Figure 13)

- (4) Select “DELETE GAME” by 1P joystick up or down (Figure 12) and press 1P Start Button to entry “DELETE GAME” menu (Figure 12).
- (5) Press 1P A button (shoot 1) and move cursor to the “Game Type” (Figure 13)
- (6) Selecting the name of game type which will be deleted, press 1P A (shoot 1) button and move cursor to the “Game List” (Figure 14) Use 1P joystick up or down to move cursor, left or right to change the page.

Move cursor to the name of game which will be deleted, In front of the square of game name, press 2P start button to cancel the mark, (Figure 12). Back to main menu (Figure 2)



(Figure 14)

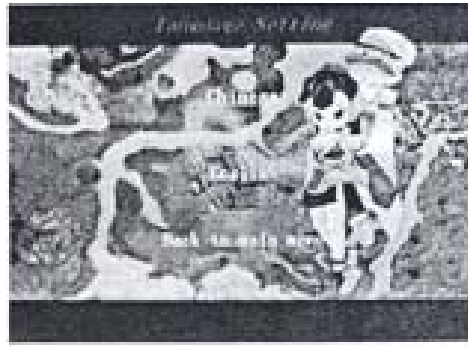
- (7) Switch OFF bit 4 of SW2. (figure 1)
- (8) Execute any of game then exit.(figure 2)

## 10. LANGUAGE SETTING

- (1) Switch ON bit 4 of SW2 (Figure 1).
- (2) Press SETUP key (Figure 3) and select “Language Setting” item (Figure 15).
- (3) Press 1P START button to change language from English to simple Chinese or simple Chinese to English (Figure 16).
- (4) Select the language of need. Press 1P button to confirm.
- (5) Select “return” item, press 1P start button (figure 16), press 1P B(shoot 2) button (Figure2)
- (6) Switch OFF bit 4 of SW2.
- (7) Execute any of game then exit. (figure 2)



(Figure 15)



(Figure 16)

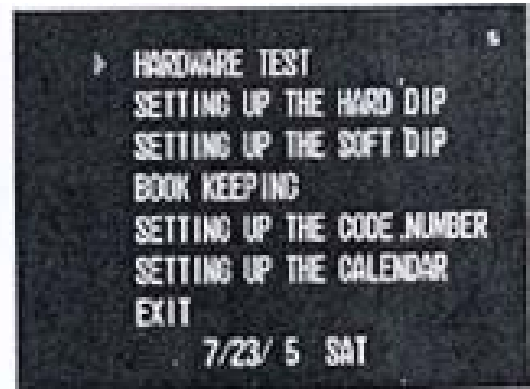
## 11. GAME CONFIGURATION SETTING

Type 1: Original setting is on screen setting mode. (Example: SNK NEO GEO, CAPCOM CPSII serial etc).

- (1) Switch ON bit 4 of SW2 (figure 1).
- (2) Select the game that will be set (Ex. Metal Slug 3) and start the game (Figure 17).

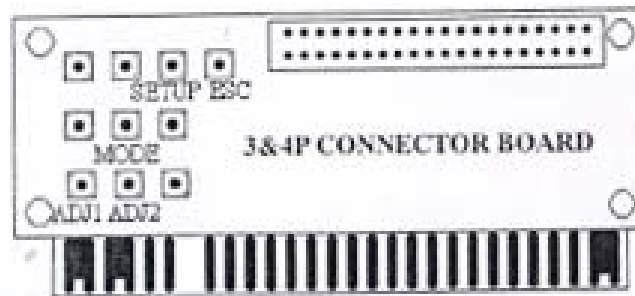


(Figure 17)



(Figure 18)

- (3) Press ADJ1 key (Figure 19) to entry the game original setting mode (Figure 18).



(Figure 19)

- (4) After finished the game setting and exited to the game mode (Figure 17), press ESC key (Figure 19) to back to game list (Figure 20).
- (5) Some of games will appears the dialog window(Figure 21) after press ESC key (Figure 19), please select "Quit Game" item by 1P joystick and press 1P START button to back to game list (Figure 20).



(Figure 20)



(Figure 21)

**\*\* SAVE MODIFIED GAME CONFIGURATION SETTING**

- (6) Press SETUP key (Figure 19) to entry " System Setting" mode (Figure 22).
- (7) Select "Config Files" item (Figure 22) and press 1P START key to entry " Config Files" menu (Figure 23)



(Figure 22)



(Figure 23)

- (8) Select " Save Configuration" item (Figure 23) and press 1P START twice to save modified configurations (Figure 24).
- (9) Select "Back to Main Menu" (Figure 23) and press 1P START button to back to "System Setting" (Figure 22)
- (10) Switch OFF bit 4 of SW2.



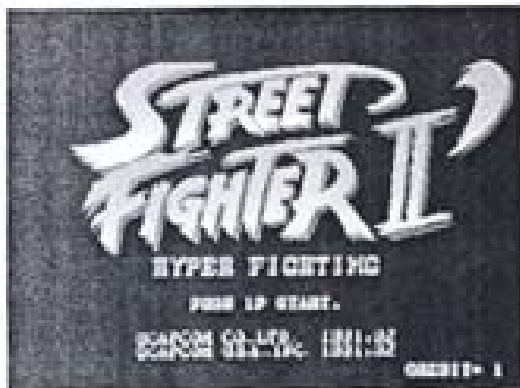
(Figure 24)



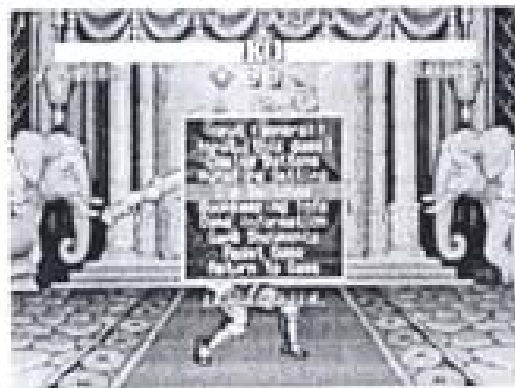
(Figure 25)

Type 2: Original setting is DIP SW setting mode. (Example: CAPCOM CPS1 serial etc).

- (1) Switch ON bit 4 of SW2 (Figure 1).
- (2) Select the game that will be set (Ex. Street fighter II') and start the game (Figure 26)



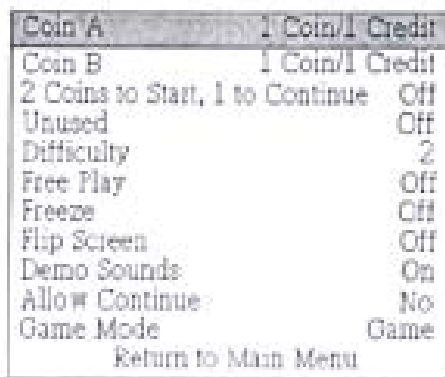
(Figure 26)



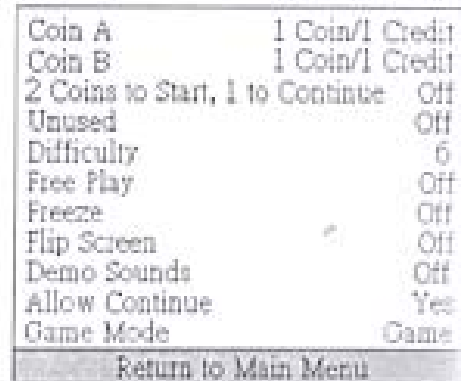
(Figure 27)

- (3) Press ADJ2 key (Figure 19) and select " Dip Switches" by 1P joystick (Figure 27).
- (4) Press 1P START button to entry configuration setting menu (Figure 28). Select setting item or modify setting by moving 1 P Joystick left or right (Figure 28)

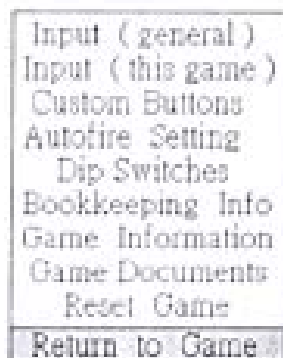
- (5) After setting modified, select "Return to Main Menu"(Figure 29)
- (6) Select "Return to Game" Figure 30) and press 1P START button to back to game mode (Figure 26).
- (7) Press ESC key (Figure 19) to back to game list (Figure 20)
- (8) Some of games will appears the dialog window (Figure 21) after press ESC key (Figure 19), please select " Quit Game" item by 1P joystick and press 1P START button to back to game list (Figure 20).
- (9) Operate step 6 to 11 on page 11 for saving the game configuration setting (Figure 24).



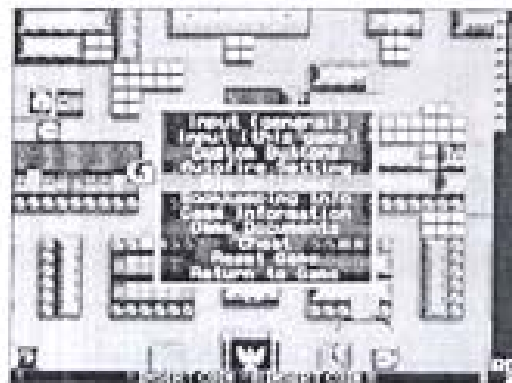
(Figure 28)



(Figure 29)



(Figure 30)

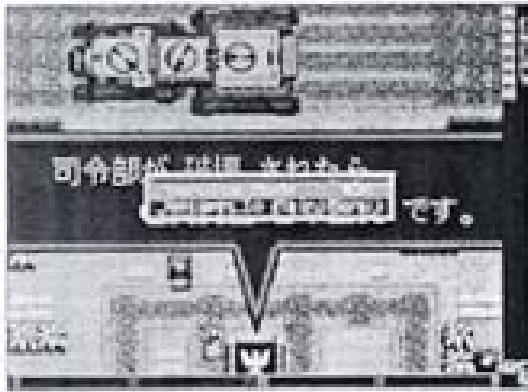


(Figure 31)

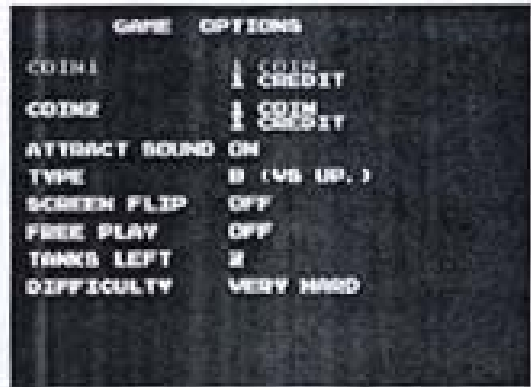
Type 3: Special setting mode (Example: NAMCO SYSTEM 1 serial etc).

- (1) Switch ON bit 4 of SW2 (Figure 1).
- (2) Select the game that will be set and Press ADJ2 (Figure 19).
- (3) Select "Dip Switches" item (Figure 31) and press 1P START button to entry "Service Mode" setting.





(Figure 32)

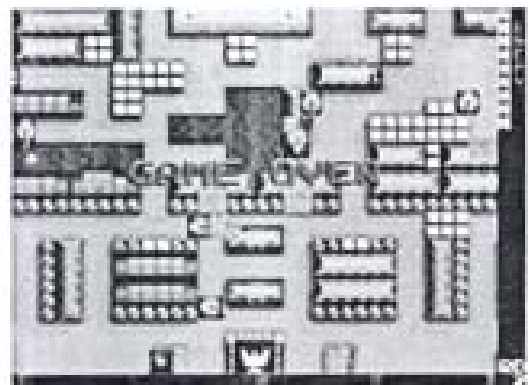


(Figure 33)

- (4) Select "Service Mode" item and set "On" by moving 1P joystick left or right (Figure 32).
- (5) Press ADJ2 key (Figure 19) to close the current setting window and modify configuration setting by 1P joystick (Figure 33).
- (6) After finished all configurations setting, press ADJ2 key (Figure 19) and set "Service Mode" Off (Figure 34)



(Figure 34)



(Figure 35)

- (7) Press ADJ2 key (Figure 19) to delete the small setting window (Figure 35)
- (8) Press ESC key (Figure 19) to back to game list (Figure 20).
- (9) Operate step 6 to 11 on page 11 for saving the game configuration setting (Figure 24).

**TROUBLE SHOOTING**

Q&A:

Q: Pressed 1P START button for 3 seconds, also can't back to game list.

A: Switch off SW2 bit 4 and bit 3.

Q: Extension board does't work.

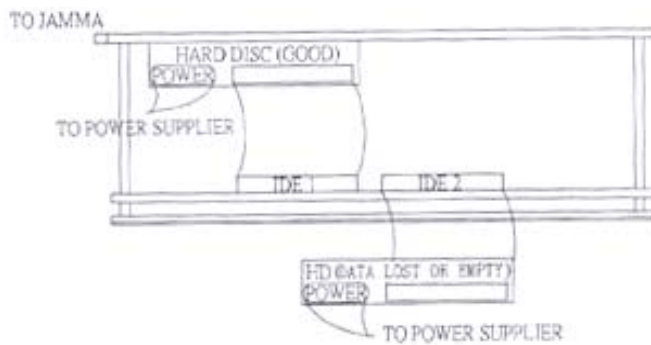
A: Switch ON SW2 bit4.

Q: System can start but can't entry game mode.

A: Execute "GAMES FAMILY HARD DISC DATA RESTRIEVE"

## 14. GAMES FAMILY HARD DISC DATA CLONE

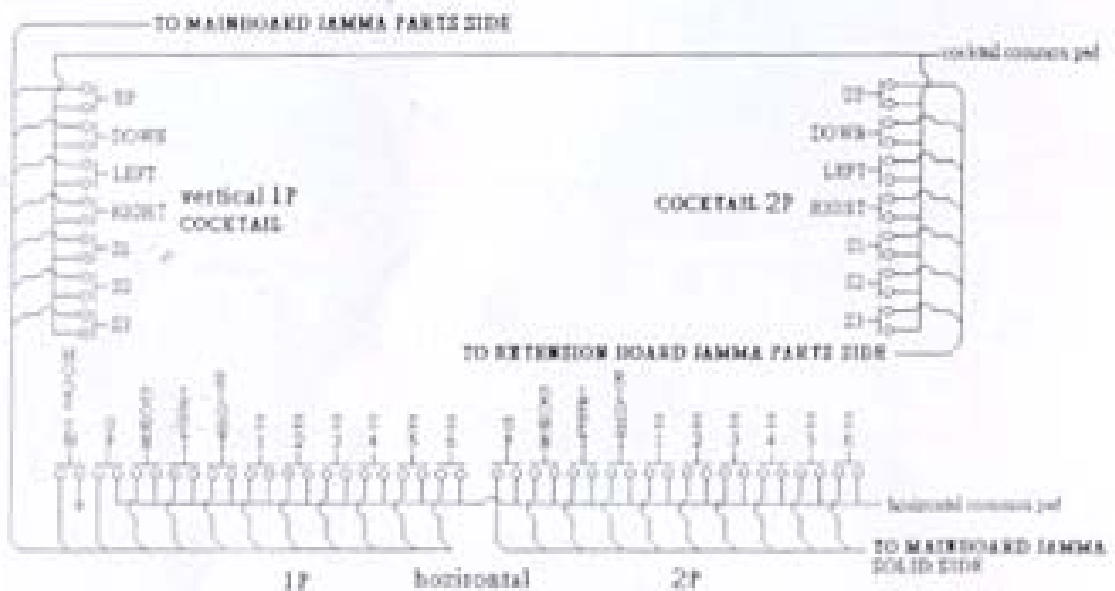
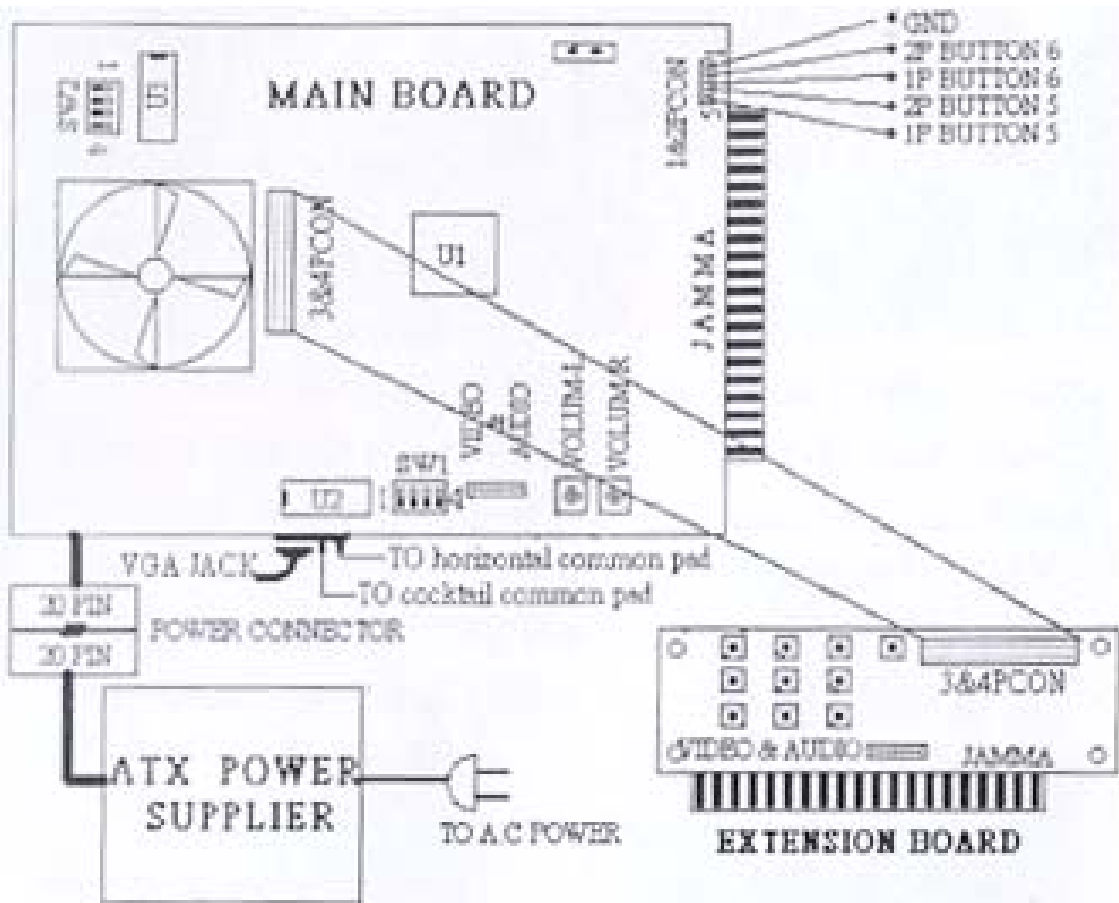
- (1) Connect hard disc (data lost) to IDE2 port of GAMES FAMILY mainframe and connect power to hard disc. (Figure 36)
- (2) Set bit 4 of SW2 at ON position.
- (3) After turn ON cabinet power, click 2P START button immediately until the Ghost clone program display on screen, system will proceed data retrieve procedure automatically.(It's on VGA mode. To monitor the procedure, please connect VGA monitor.)
- (4) Around 20 minutes later, system will complete clone procedure and shut down automatically.
- (5) Remove IDE2 hard disc and set bit 4 of SW2 at OFF position and proceeds as normal.



(Figure 36)

### 15. SYSTEM ASSEMBLY DESCRIPTION

(1)



(Figure 37)

**Warning: Use a wrong A.C. Power value input would destroy power supplier or main board**

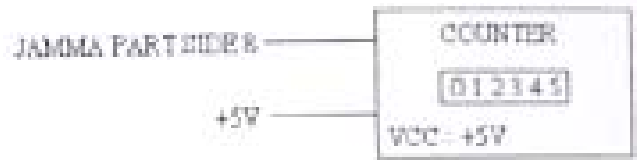
**seriously.**

(2) Two channel stereo audio circuit (Figure 38).



TWO CHANNEL STEREO AUDIO CIRCUIT

(Figure 38)



(Figure 39)

(3) Counter connect circuit (Figure 39)

Notice: Any COM pad of switch do not connect to ground.

**16. JAMMA CONNECTOR PIN OUT DEFINITION**

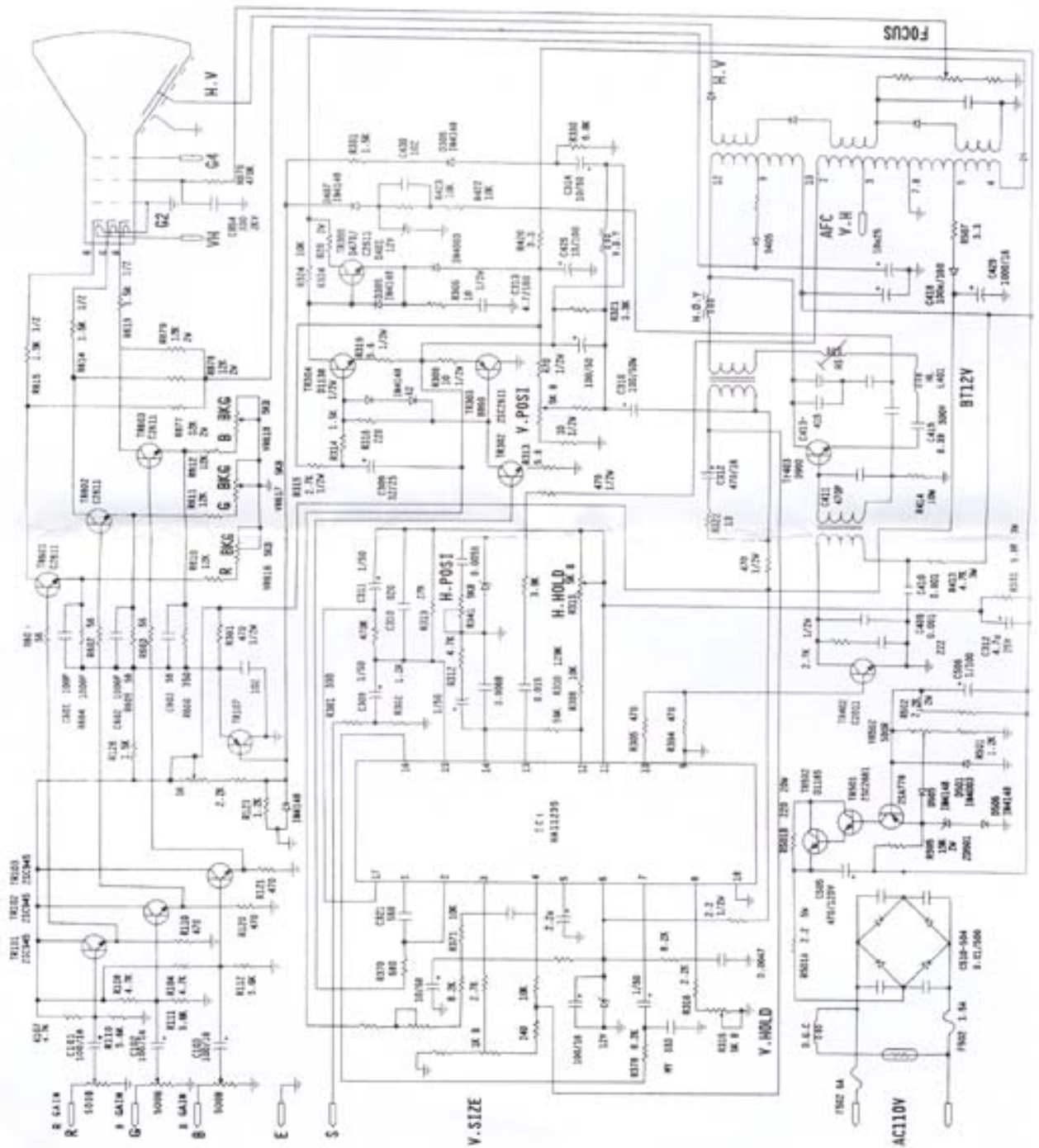
SOLID SIDE		PART SIDE	
GND	A	1	GND
GND	B	2	GND
+5V	C	3	+5V
+5V	D	4	+5V
N · C ·	E	5	N · C ·
+12V	F	6	+12V
KEY NO PIN	H	7	KEY NO PIN
N · C ·	J	8	COIN COUNTER
N · C ·	K	9	N · C ·
RIGHT SPEAKER	L	10	LEFT SPEAKER
GND	M	11	N.C.
VIDEOGREEN	N	12	VIDEO RED
VIDEO SYNC	P	13	VIDEO BLUE
N.C.	R	14	N.C.
N.C.	S	15	N.C.
COIN 2	T	16	COIN 1
2P START	U	17	1P START
2P UP	V	18	1P UP
2P DOWN	W	19	1P DOWN
2P LEFT	X	20	1P LEFT
2P RIGHT	Y	21	1P RIGHT
2P SHOOT 1	Z	22	1P SHOOT 1
2P SHOOT 2	a	23	1P SHOOT 2
2P SHOOT 3	b	24	1P SHOOT 3
2P SHOOT 4	c	25	1P SHOOT 4
2P SHOOT 5	d	26	1P SHOOT 5
GND	e	27	GND
GND	f	28	GND



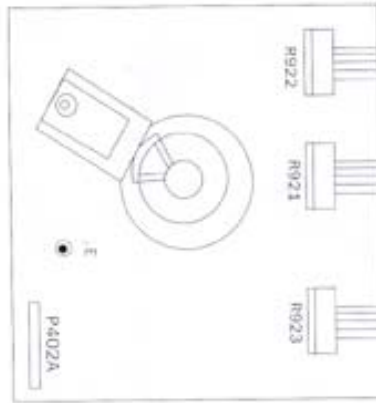
**17. EXTENTION BOARD PIN OUT DEFINITION**

SOLID SIDE		PART SIDE	
GND	A	1	GND
GND	B	2	GND
+5V	C	3	+5V
+5V	D	4	+5V
	E	5	
+12V	F	6	+12V
	H	7	
	J	8	
	K	9	
N.C.	L	10	N.C.
N.C.	M	11	N.C.
N.C.	N	12	N.C.
N.C.	P	13	N.C.
N.C.	R	14	GND
N.C.	S	15	N.C.
N.C.	T	16	COIN 3
N.C.	U	17	3P START
N.C.	V	18	3P UP
N.C.	W	19	3P DOWN
N.C.	X	20	3P LEFT
N.C.	Y	21	3P RIGHT
N.C.	Z	22	3P SHOOT 1
N.C.	a	23	3P SHOOT 2
N.C.	b	24	3P SHOOT 3
N.C.	c	25	3P SHOOT 4
N.C.	d	26	3P SHOOT 5
GND	e	27	GND
GND	f	28	GND

# 18. DIAGRAM

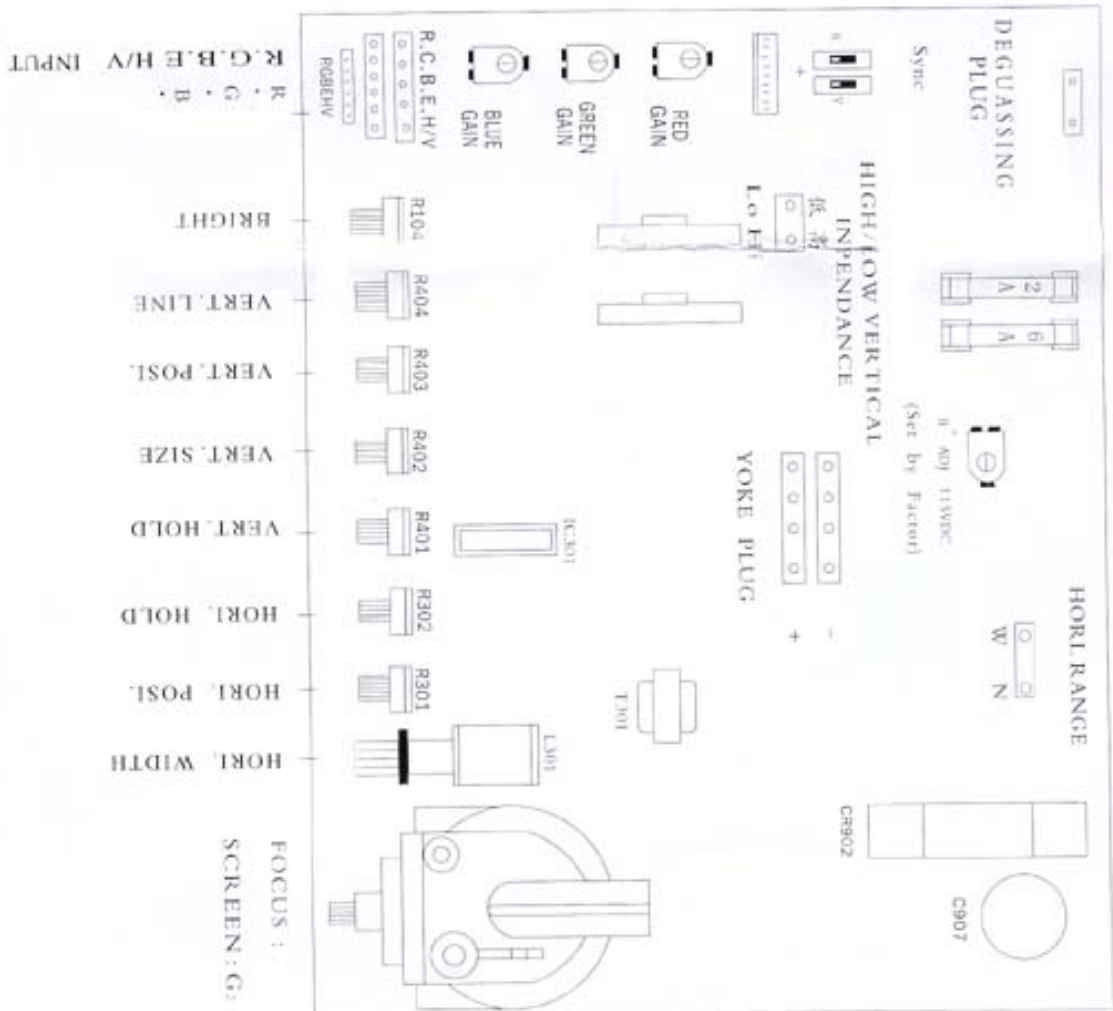


CRT



CRT

- 1. R921 RED RASTER
- 2. R922 GREEN RASTER
- 3. R923 BLUE RASTER



## 19. GAME LIST

### Cocktail Mode

1	'99: The Last War<alternate>	48	Cop 01<set 1>
2	10 Yard Fight <Japan>	49	Galivan - Cosmo Police<12/11/1985>
3	1942<set 1>	50	Crazy Kong<Alca bootleg>
4	4-D Warriors<315-5162>	51	Crazy Kong<Jeutel bootleg>
5	Acrobatic Dog-Fight	52	Crazy Kong<Orca bootleg>
6	Act-Fancer Cybernetick Hyper Weapon<World revision 1>	53	Crowns Golf<834-5419-04>
7	Act-Fancer Cybernetick Hyper Weapon<World revision 2>	54	Crush Roller<Kural Samno>
8	Ajax	55	Dai Makai-Mura<Japan>
9	Akuma-Jou Dracula<Japan version N>	56	Dai Ressya Goutou<Japan>
10	Akuma-Jou Dracula<Japan version P>	57	Dangar - Ufo Robo<12/1/1986>
11	Ambush	58	Darwin 4078<Japan>
12	Amidar	59	Devil Fish
13	Appoooh	60	Dig Dug<rev 2>
14	Argus no Senshi<Japan>	61	Dig Dug II<New Ver.>
15	Armed Formation	62	Dommy
16	Aurail<set 3, US, unprotected>	63	Donkey Kong 3<US>
17	Avenging Spirit	64	Donkey Kong Jr.<Japan>
18	B-Wings <Japan>	65	Donkey Kong Jr.<bootleg>
19	Bagman	66	Donkey Kong Junior<US>
20	Bank Panic	67	Donkey Kong<US set 1>
21	Battlantis	68	Dr. Micro
22	Battle Lane! Vol. 5<set 1>	69	Eight Ball Action<DK conversion>
23	Battles	70	Elevator Action
24	Beastie Feastie	71	Empire City: 1931<bootleg?>
25	Bionic Commando<Euro>	72	Evil Stone
26	Black Tiger	73	Exerion
27	Bomb Jack<set 1>	74	Exerizer<Japan><bootleg>
28	Bone Crusher	75	Exzibus<Japan>
29	Bonze Adventure<World, Newer>	76	F-1 Dream
30	Bonze Adventure<US>	77	Fighting Hawk<World>
31	Boulder Dash / Boulder Dash Part 2<Japan>	78	Flak Attack<Japan>

32	Boulder Dash / Boulder Dash Part 2<World>	79	Flashgal<set 1>
33	Burger Time<Data East set 1>	80	Flicky<128k Version, System 2,315-5051>
34	Cameltry<US, YM2610>	81	Flying Shark<World>
35	Chameleon	82	Free Kick<bootleg>
36	Centipede<revision 3>	83	Frogger
37	Chelnov - Atomic Runner<World>	84	Galaga '88<Japan>
38	Choplifter<alternate>	85	Galaga '88
39	Choplifter<bootleg>	86	Galaxian<Namco set 1>
40	Chuka Taisen<World>	87	Galivan - Cosmo Police<12/16/1985>
41	Circus Charlie<Selectable level set 1>	88	Genpei ToumaDen
42	Circus Charlie<Centuri>	89	Ginga NinkyouDen<set 1>
43	City Connection<set 1>	90	Gonbee no I'm Sorry<315-5110, Japan>
44	Cobra-Command<Japan>	91	Gorf
45	Cobra-Command<World revision 5>	92	Gradius II - GOFER no Yabou<Japan Old Ver.>
46	Commando<World>	93	Grobda<New Ver.>
47	Congo Bongo	94	Gryzor<Set 1>
95	Gun.Smoke<US set 1>	146	Mega Blast<World>
96	Gun.Smoke<World>	147	Mega Blast<Japan>
97	Gun.Smoke<Japan>	148	Mission 660<Japan>
98	Gun.Smoke<US set 2>	149	Mission 660<US>
99	Gyrodine<Taito Corporation license>	150	Mission 660<bootleg>
100	Gyruss<Konami>	151	Mister Viking<315-5041>
101	Hammerin' Harry<World>	152	Momoko 120%
102	Haunted Castle<version M>	153	Moon Alien Part 2
103	Haunted Castle<version K>	154	Moon Cresta<Galaxian hardware>
104	Hero in the Castle of Doom<DK conversion not encrypted>	155	Moon Cresta<Gremlin>
105	I'm Sorry<315-5110, US>	156	Moon Cresta<Nichibutsu>
106	Iron Horse	157	Moon Cresta<bootleg set 1>
107	Jail Break	158	Moon Cresta<bootleg set 2>
108	Jigoku Meguri<Japan>	159	Moon Patrol
109	Jr. Pac-Man	160	Moon Quasar
110	Jump Bug	161	Motos
111	Jump Bug<bootleg>	162	Mr. Do!
112	Jump Coaster	163	Mr. Do's Castle<set 1>

113	Jumping Jack	164	Mr. Goemon<Japan>
114	Jungler	165	Mr. Kougar
115	Juno First	166	Ms. Pacman Champion Edition / Super Zola Pac Gal
116	Kamikaze Cabbie	167	My Hero<Korea>
117	Kangaroo	168	My Hero<US, not encrypted>
118	Kick Start Wheelie King	169	Mysterious Stones - Dr. John's Adventure
119	Kicker	170	Naughty Mouse<set 1>
120	Kid no Hore Hore Daisakusen	171	Nekketsu Kouha Kunio-kun<Japan >
121	King & Balloon<US>	172	Nemesis
122	Knuckle Joe<set 1>	173	Newpuc2
123	Kung-Fu Master	174	Newpuc2<set 2>
124	Kuri Kinton<Japan>	175	Noboranka<Japan>
125	Kuri Kinton<US>	176	Pac & Pal
126	Kuri Kinton<World>	177	Pac-Man Plus
127	Labyrinth Runner<World Ver. K>	178	Pac-Man<Midway>
128	Labyrinth Runner<Japan>	179	Pandora's Palace
129	Lady Bug	180	Parodius DA!<World>
130	Legend	181	Pengo<set 1 rev c>
131	Legend of Makai<World>	182	Performan<Japan>
132	Liberation	183	Performan<US>
133	Liquid Kids<World>	184	Phoenix<Amstar>
134	Lode Runner<set 1>	185	Pinball Action<set 1>
135	Lode Runner II - The Bungeling Strikes Back	186	Pinball Action<set 1>
136	Lode Runner III - The Golden Labyrinth	187	Pirate Ship Higemaru
137	Lot Lot	188	Pitfall II<315-5093>
138	MX5000	189	Pitfall II<not encrypted>
139	Mag Max	190	Plus Alpha
140	Makai Densetsu<Japan>	191	Ponpoko
141	Makai-Mura<Japan Revision C>	192	Pootan
142	Makai-Mura<Japan>	193	Pootan
143	Manhattan 24 Bunsyo<Japan>	194	Popeye<revision D not protected>
144	Mappy<US>	195	Popeye
145	Maze of Flott<Japan>	196	PuckMan<Japan set 1, Probably >
197	Puzznic<World>	249	Super Basketball<version G>
198	R-Type II	250	Super Cobra

199	Rafflesia<315-5162>	251	Super Cross 2<Japan set 1>
200	Raiders5	252	Super Pac-Man
201	Raimais<World>	253	Super Real Darwin<Japan>
202	Rainbow Islands<Extra>	254	Super Real Darwin<World>
203	Rainbow Islands<new version>	255	Super Xevious
204	Rally Bike / Dash Yarou	256	Surprise Attack<World ver. K>
205	Rastan<World>	257	SWAT<315-5048>
206	Rastan<US, set 1>	258	Swimmer<set 1>
207	Rastan<US, set 2>	259	Tank Battalion
208	Reikai Doushi<Japan>	260	Terra Cresta<YM2203>
209	Repulse	261	The Alphax Z<Japan>
210	Return of the Invaders<bootleg set 2>	262	The Bounty
211	Rezon	263	The Legend of Kage
212	Road Fighter<set 1>	264	The NewZealand Story<World, newer>
213	Robocop<Japan>	265	Tiger Heli<bootleg set 1>
214	Robocop<US revision 0>	266	Tiger Road<US>
215	Robocop<US revision 1>	267	Time Pilot
216	Rolling Thunder<new version>	268	Time Pilot '84<set 1>
217	Rush & Crash<Japan>	269	Time Scanner<set 2, System 16B>
218	S.R.D. Mission	270	Tokio / Scramble Formation<bootleg>
219	Saint Dragon	271	Top Secret<Japan>
220	Scramble	272	Tower of Druaga<New Ver.>
221	Sea Fighter Poseidon	273	Trio The Punch - Never Forget Me...<Japan>
222	Secret Agent<World>	274	Trojan<US>
223	Section Z<set 1>	275	Truxton / Tatsujin
224	Sei Senshi Amatlass	276	Tutankham
225	Seishun Scandal<315-5132, Japan>	277	Tutankham<Stern>
226	Kicker	278	Typhoon
227	Shinnyuushain Tooru-kun	279	Ultra Balloon
228	Shinobi<set 5, System 16A, unprotected>	280	Van-Van Car
229	Sky Fox	281	Video Hustler
230	Sly Spy<US revision 3>	282	Wanted
231	Sly Spy<US revision 2>	283	Wardner no Mori<Japan>
232	Solomon's Key<US>	284	Wardner<World>
233	Space Intruder	285	Willow<US>
234	Space Invaders / Space Invaders M	286	Wiz



235	Space Invasion<bootleg>
236	Space Invasion<Europe>
237	Space Panic<version E>
238	Space Pilot
239	Speed Ball
240	The Speed Rumbler<set 1>
241	Spelunker
242	Spelunker II
243	Star Force
244	Strider<US set 1>
245	Strider<US set 2>
246	Super Bagman
247	Super Basketball<not encrypted>
248	Super Basketball<version E>

287	Wonder Planet<Japan>
288	Wonder Boy<set 1, 315-5177>
289	XX Mission
290	Xevious<Namco>
291	Yie Ar Kung-Fu<set 1>
292	Youjyuden<Japan>
293	Youma Ninpou Chou<Japan>
294	Zaviga
295	Zaxxon<set 1>
296	Zero Wing
297	Zig Zag<Galaxian hardware, set 1>

Vertical Mode

1	1941 - Counter Attack<World>
2	1942<set 1>
3	1943: The Battle of Midway<US>
4	1943 Kai: Midway Kaisen<Japan>
5	Strikers 1945
6	19XX: The War Against Destiny<USA 951207>
7	Air Duel<Japan>
8	Air Gallet
9	Ajax
10	Amidar
11	Arbalester
12	Argus
13	Armed Formation
14	Armed Police Batrider - B Version<Japan><Fri Feb 13 1998>
15	Ashura Blaster<Japan>
16	Asuka & Asuka<World>
17	Asylum<prototype>
18	Avengers<US set 1>
19	Bagman
20	Battlantis
21	Battle Lane! Vol. 5<set 1>
22	Battles

49	Dangerous Seed<Japan>
50	Dangun Feveron<Japan>
51	Devil Fish
52	Dig Dug<rev 2>
53	Dig Dug II<New Ver.>
54	Donkey Kong 3<US>
55	Donkey Kong Jr.<Japan>
56	Donkey Kong Jr.<bootleg>
57	Donkey Kong Junior<US>
58	Donkey Kong<US set 1>
59	Dr. Micro
60	Dragon Spirit<new version>
61	Drift Out<Japan>
62	Dyger<Korea set 1>
63	Eight Ball Action<DK conversion>
64	Eight Forces
65	Evil Stone
66	Exed Exes
67	Exerion
68	Exerizer<Japan><bootleg>
69	Fighting Hawk<World>
70	Final Star Force<US>

23	Beastie Feastie	71	Flak Attack<Japan>
24	Bells & Whistles<Version L>	72	Flying Shark<World>
25	Blast Off<Japan>	73	Free Kick<bootleg>
26	Block Carnival / Thunder & Lightning 2	74	Freeze
27	Bomb Jack<set 1>	75	Frogger
28	Burger Time<Data East set 1>	76	Gang Busters
29	Caliber 50	77	Galaga '88<Japan>
30	Chameleon	78	Galaga 3<rev. C>
31	Centipede<revision 3>	79	Galaxian<Namco set 1>
32	Chinese Hero	80	Galaxy Gunners
33	Circus Charlie<Selectable level set 1>	81	Galivan - Cosmo Police<12/16/1985>
34	Circus Charlie<Centuri>	82	Galmedes<Japan>
35	Commando<World>	83	Gekirindan<Ver 2.3J 1995/09/21>
36	Congo Bongo	84	Gemini Wing
37	Contra<US>	85	Gorf
38	Contra<Japan>	86	Grid Seeker: Project Storm Hammer<Ver 1.3J>
39	Cosmo Gang the Video<US>	87	Grobda<New Ver.>
40	Galivan - Cosmo Police<12/11/1985>	88	Gryzor<Set 1>
41	Crazy Cop<Japan>	89	Gunbird<World>
42	Crazy Kong<Alca bootleg>	90	Gun.Smoke<US set 1>
43	Crazy Kong<Jeutel bootleg>	91	Gun.Smoke<World>
44	Crazy Kong<Orca bootleg>	92	Gun.Smoke<Japan>
45	Crush Roller<Kural Samno>	93	Gun.Smoke<US set 2>
46	Cyballer	94	Gunbird 2
47	Daioh	95	Gundhara
48	Dangar - Ufo Robo<12/1/1986>	96	Guwange<Japan>
97	Gyrodine<Taito Corporation license>	147	Nitro Ball<US>
98	Gyruss<Konami>	148	Noboranka<Japan>
99	Hero in the Castle of Doom<DK conversion not encrypted>	149	Pac-Man Plus
100	Hotdog Storm	150	Pac-Man<Midway>
101	Jr. Pac-Man	151	Pandora's Palace
102	Jump Bug	152	Peggle<Joystick, v1.0>
103	Jump Bug<bootleg>	153	Pengo<set 1 rev c>
104	Jump Coaster	154	Performan<Japan>
105	Jump Shot	155	Performan<US>
106	Jumping Jack	156	Phelios<Japan>
107	Jungler	157	Phoenix<Amstar>
108	Juno First	158	Pinball Action<set 1>
109	KiKi KaiKai	159	Pinbo<set 1>
110	Kicker	160	Plus Alpha

111	Kid no Hore Hore Daisakusen	161	Pollux<set 1>
112	Kyukyoku Tiger II<Ver 2.1J 1995/11/30>	162	Pootan
113	Labyrinth Runner<World Ver. K>	163	Pooyan
114	Labyrinth Runner<Japan>	164	Progress
115	Lady Bug	165	PuckMan<Japan set 1, Probably Bootleg>
116	Last Duel<bootleg>	166	Punch-Out!!
117	Last Duel<US set 2>	167	Qix<set 1>
118	Last Duel<US set 1>	168	Rafflesia<315-5162>
119	Lethal Thunder<World>	169	Raiden
120	Lightning Fighters<World>	170	Rally Bike / Dash Yarou
121	Lizard Wizard	171	Repulse
122	MX5000	172	Return of the Invaders<bootleg set 2>
123	Mahou Daisakusen<Japan>	173	Road Fighter<set 1>
124	Mappy<US>	174	Run Deep
125	Master of Weapon<World>	175	Rush & Crash<Japan>
126	Maze of Flott<Japan>	176	Ryu Jin<Japan>
127	Mazinger Z	177	S.R.D. Mission
128	Mercs<US 900302>	178	SD Gundam Neo Battling<Japan>
129	Mercs<World 900302>	179	Sand Scorpion<set 1>
130	Meta Fox	180	Scramble
131	Moon Alien Part 2	181	Sei Senshi Amateless
132	Moon Cresta<Galaxian hardware>	182	Sengoku Ace<Japan>
133	Moon Cresta<Gremlin>	183	Shao-Lin's Road
134	Moon Cresta<Nichibutsu>	184	Shinnyuushain Tooru-kun
135	Moon Cresta<bootleg set 1>	185	Shippu Mahou Daisakusen<Japan>
136	Moon Cresta<bootleg set 2>	186	Sky Adventure<World>
137	Moon Quasar	187	Sky Adventure<Japan>
138	Motos	188	Sky Fox
139	Mr. Do!	189	Sky Smasher
140	Mr. Do's Castle<set 1>	190	Sky Soldiers<US>
141	Mr. Kougar	191	Space Intruder
142	Ms. Pacman Champion Edition / Super Zola Pac Gal	192	Space Intruder
143	Mysterious Stones - Dr. John's Adventure	193	Space Invasion<bootleg>
144	Naughty Mouse<set 1>	194	Space Invasion<Europe>
145	Newpuc2	195	Space Panic<version E>
146	Newpuc2<set 2>	196	Space Pilot
197	Speed Ball	223	Time Pilot '84<set 1>
198	The Speed Rumbler<set 1>	224	Time Scanner<set 2, System 16B>
199	Star Force	225	Tokio / Scramble Formation<bootleg>
200	Strike Gunner S.T.G	226	Tower of Druaga<New Ver.>

201	Strikers 1945<Japan, unprotected>	227	Trick Trap<World?>
202	Super Bagman	228	Truxton / Tatsujin
203	Super Basketball<not encrypted>	229	Tutankham
204	Super Basketball<version E>	230	Tutankham<Stern>
205	Super Basketball<version G>	231	Twin Cobra<World>
206	Super Breakout	232	Twin Eagle - Revenge Joe's Brother
207	Super Cobra	233	Twin Hawk<World>
208	Super Contra	234	Typhoon
209	Super Bagman	235	U.N. Defense Force: Earth Joker
210	Super Punch-Out!!<Japan>	236	U.N. Squadron<US>
211	Super Punch-Out!!	237	Van-Van Car
212	Super Real Darwin<Japan>	238	Wanted
213	Super Real Darwin<World>	239	War of Aero - Project MEIOU
214	SWAT<315-5048>	240	Wiz
215	Tank Busters	241	Wonder Planet<Japan>
216	Terra Cresta<YM2203>	242	World Wars<World>
217	The Alphax Z<Japan>	243	Wrestle War<set 3,World,8751317-0103>
218	Thunder Blaster<Japan>	244	XX Mission
219	Thunder Dragon<Bootleg>	245	Zaviga
220	Thundercade / Twin Formation	246	Zaxxon<set 1>
221	Tiger Heli<bootleg set 1>	247	Zig Zag<Galaxian hardware, set 1>
222	Time Pilot	248	Zing Zing Zip

## Special Mode

1	'88 Games!	50	American Speedway (set 1)
2	'99 The Last War	51	Amidar
3	10 Yard Fight (Japan)	52	Andro Dunos
4	1941	53	Appoooh
5	1942	54	Aqua Jack (World)
6	1943	55	Arabian Magic (World)
7	1943kai	56	Arbalester
8	1944	57	Arch Rivals (rev 2.0)
9	1945	58	Arch Rivals (rev 4.0)
10	1945Plus	59	Area 88 (Japan)
11	19xx	60	Argus Argus(Jaleco license)
12	2020 Super Baseball (set 1)	61	Argus no Senshi (Japan)
13	3 Count Bout / Fire Suplex	62	Arkanoid (World)
14	3D_Beastorizer(US)	63	Arm Wrestling
15	3D_Star Gladiator	64	Armed Formation
16	3D_Star Gladiator 2	65	Armed Police Batrider
17	3D_Street Fighter EX(Asia)	66	Armored Warriors
18	3D_Street Fighter EX(Japan)	67	Art of Fighting

19	3D_Street Fighter EX(US)	68	Art of Fighting 2
20	3D_Street Fighter EX2(Japan)	69	Art of Fighting 3
21	3D_Street Fighter EX2PLUS(US)	70	Ashura Blaster (Japan)
22	3D_Strider Hiryu 2	71	Asterix (World ver. EAD)
23	3D_Tetris The Grand Master	72	Asuka & Asuka(Japan)
24	3D_Toshinden 2	73	Asura Blade-Sword of Dynasty(japan)
25	4 En Raya	74	Asylum (prototype)
26	4-D Warriors	75	Ataxx (set 1)
27	64th. Street - A Detective Story (World)	76	Aurail (set 1)
28	Acrobatic Dog_Fight	77	Avengers(US set 1)
29	Act-Fancer (World 1)	78	Avenging Spirit
30	Act-Fancer (World 2)	79	B-Wings (Japan)
31	Aero Fighters 2	80	Back Street Soccer
32	Aero Fighters 3	81	Bad Dudes vs. Dragonninja (US)
33	After Burner II After Burner II Sega	82	Bad lands
34	Aggressors of Dark Kombat / Tsukai GANGAN Koushinkyoku	83	Bagman
35	Air Buster	84	Bakutotsu Kijuutei
36	Air Duel (Japan)	85	Balloon Brothers
37	Air Gallet (Taiwan)	86	Bank Panic
38	Ajax	87	Baraduke (set 1)
39	Akuma-Jou Dracula(version N)	88	Baseball Stars 2
40	Akuma-Jou Dracula(version P)	89	Baseball Stars Professional
41	Ales no Tsubasa (Japan)	90	Batman
42	Alien vs. Predator	91	Battlantis
43	Aliens (Japan)	92	Battle Circuit
44	Aliens (US)	93	Battle Circuit (Japan 970319)
45	Aliens (World set 1)	94	Battle Flip Shot
46	Aliens (World set 2)	95	Battle Garegga (Austria / Hong Kong)
47	Alpha Mission II / ASO II - Last Guardian	96	Battle Garegga (Europe / USA / Japan / Asia)
48	Altered Beast (Version 1)	97	Battle Garegga - Type 2 (Denmark / China)
49	Ambush	98	Battle K-Road
99	Battle Lane! Vol. 5 (set 1)	151	Cadash(Italy)
100	Battle Toads	152	Cadash(Japan)
101	Battle Wings	153	Cadash(US)
102	Beastie Feastie	154	Cadash(World)
103	BeatHead(prototype)	155	Cadillacs and Dinosaurs (World)
104	Bells & Whistles	156	Caliber 50
105	Beraboh Man(Japan version B)	157	Camel Try (US)
106	Beraboh Man(Japan version C)	158	Capcom Sports Club (Asia 970722)
107	Big Striker	159	Capcom Sports Club (Euro 970722)

108	Billiard Academy Real BREAK	160	Captain America
109	Billiard Academy Real Break (Japan)	161	Captain America (UK Rev 4)
110	Biomechanical Toy (unprotected)	162	Captain Commando (World)
111	Bionic Commando(US set 1)	163	Captain Tomaday
112	Black Tiger	164	Carrier Air Wing (World)
113	Blade Master (World)	165	Cavelon
114	Blandia	166	Caveman Ninja (US)
115	Blast off(Japan)	167	Caveman Ninja (World revision 3)
116	Blaze On(Japan)	168	Centipede (revision 3)
117	Blazing Star	169	Champion Boxing
118	Block Carnival	170	Chase H.Q. (World)
119	Block Hole	171	Cheese Chase
120	Block Out (set 1)	172	Chelnov - Atomic Runner (World)
121	Blocken (Japan)	173	Chiki Chiki Boys (Japan)
122	Blood Bros.	174	China Town (Japan)
123	Blue's Journey	175	Chinese Hero
124	Bobble Bobble	176	Choplifter(alternate)
125	Bom Jack	177	Choplifter(bootleg)
126	Bomber Man World (World)	178	Chopper I
127	Bone Crusher	179	Chuka Taisen (World)
128	Bonze Adventure (World)	180	Circus Charlie
129	Bonze Adventure(US)	181	Circus Charlie (Centuri)
130	Borech	182	City Connection
131	Boulder Dash(Japan)	183	Cobra-Command(Japan)
132	Boulder Dash(World)	184	Cobra-Command(World revision 5)
133	Boxy Boy (US)	185	Columns (US)
134	Breakers	186	Columns II (Japan)
135	Breakers Revenge	187	Commando(World)
136	Breywood	188	Congo Bongo
137	Brute Force	189	Contra (US)
138	Bubble 2000	190	Contra(Japan)
139	Bubble Bobble II (Ver 2.5O 1994/10/05)	191	Cop 01 (set 1)
140	Bubble Memories: The Story Of Bubble Bobble III	192	Cosmo Gang the Video (US)
141	Bucky O'Hare (World version EA)	193	Cosmo Police
142	Burger Time (Data East set 1)	194	Crazy Cop(Japan)
143	Burglar X	195	Crazy Kong(Alca bootleg)
144	Burning Fight (set 1)	196	Crazy Kong(Jeutel bootleg)
145	Burning Fight (set 2)	197	Crazy Kong(Orca bootleg)
146	Bust-A-Move Again	198	Crime City (World)
147	Buster Bros (US)	199	Crime City(Japan)
148	Cabal(US-set1)	200	Crime City(US)
149	Cachat (Japan)	201	Crime Fighters (Japan 2 Players)

150	Cadash(France)	202	Crime Fighters 2(ver. P)
203	Crossed Swords	251	Donkey Kong(US set 1)
204	Crouching Tiger Hidden Dragon 2003	252	Double Dragon (Japan)
205	Crouching Tiger Hiden Dragon	253	Double Dragon (Neo-Geo)
206	Crouching Tiger Hiden Dragon Plus	254	Double Dragon (US)
207	Crowns Golf	255	Double Dragon II - The Revenge (US)
208	Crude Buster (Japan)	256	Double Dragon II - The Revenge (World)
209	Crude Buster (World FX version)	257	DownTown
210	Crush Roller (Kural Samno)	258	Dr. Micro
211	Cuby Bop	259	Dragon Breed
212	CueBrick	260	Dragon Breed
213	Cybattler	261	Dragon Gun (US)
214	Cyber-Lip	262	Dragon Master
215	Cyberbots: Fullmetal Madness (Japan 950420)	263	Dragon Spirit (new version)
216	Cyberbots: Fullmetal Madness (US 950424)	264	Dragon Unit
217	D-Con	265	Dragonball Z
218	Dai Makai-Mura (Japan)	266	Dragoninja (Japan)
219	Dai Ressya Goutou(Japan)	267	Drift Out
220	Daioh	268	Dungeon Magic (World)
221	Dan-Ku-Ga(Prototype)	269	Dungeons & Dragons: Shadow over Mystara
222	Dangar - Ufo Robo (12/1/1986)	270	Dungeons & Dragons: Shadow over Mystara (Euro 960209)
223	Dangerous Seed(Japan)	271	Dungeons & Dragons: Tower of Doom
224	Dangun Feveron (Japan)	272	Dyger
225	Daraku Tenshi	273	Dynamite Duke
226	Darius Gaiden - Silver Hawk (World)	274	Dynamite Duke
227	Dark Seal (World revision 3)	275	Dynamite Dux
228	Darkstalkers: The Night Warriors (Euro 940705)	276	Dynamite League (Japan)
229	Darkstalkers: The Night Warriors (US 940818)	277	Dynasty Wars (World)
230	Darwin 4078 (Japan)	278	E-Swat
231	Datsugoku - Prisoners of War (Japan)	279	ESP Ra.De. (International Ver 1998 4/22)
232	Dead Connection (World)	280	Eco Fighters (World 931203)
233	Demon's World / Horror Story	281	Edward Randy (Japan)
234	Desert Assault	282	Edward Randy (World revision 1)
235	Desert Assault (US)	283	Edward Randy (World revision 2)



236	Devil Fish	284	Eight Ball Action
237	Dig Dug (rev 2)	285	Eight Forces
238	Dig Dug II(New Ver.)	286	Eight Man
239	Dimahoo	287	Elevator Action
240	Dino Rex (World)	288	Empire City: 1931 (bootleg?)
241	DoDonPachi (Japan)	289	Euro Champ '92 (World)
242	Dommy	290	Evil Stone
243	Don Doko Don (World)	291	Exed Exes
244	Don Doko Don(Japan)	292	Exerion
245	Don Doko Don(US)	293	Exerizer (Japan)
246	DonPachi (Japan)	294	Explorer
247	Donkey Kong 3(US)	295	Exzisus (Japan)
248	Donkey Kong Jr.(Japan)	296	F-1 Dream
249	Donkey Kong Jr.(bootleg)	297	Face Off
250	Donkey Kong Junior (US)	298	Fancy World!
299	FantasiaII(Explicit)	349	Genix Family
300	Fatal Fury - King of Fighters	350	Genpei ToumaDen
301	Fatal Fury 2	351	Genshi-Tou 1930's
302	Fatal Fury 3 - Road to the Final Victory	352	Ghost Pilots
303	Fatal Fury Special	353	Gigandes
304	Fight Fever	354	Gigawing
305	Fighting Fantasy(Japan revision 2)	355	Ginga NinkyuDen
306	Fighting Fantasy(Japan)	356	Goal! Goal! Goal!
307	Fighting Hawk(Japan)	357	Gokujoyou Parodius (ver JAD)
308	Final Blow (World)	358	Golden Axe (Version 1)
309	Final Blow(Japan)	359	Golden Fire II
310	Final Fight (World)	360	Gonbee no I'm Sorry
311	Final Round (version M)	361	Gorf
312	Final Star Force (US)	362	Gradius II(Japan Old Ver.)
313	Finest Hour (Japan)	363	Grid Seeker: Project Storm Hammer(Ver 1.3J)
314	Flak Attack	364	Grobda(New version)
315	Flashgal	365	Growl (World)
316	Flicky	366	Growl(US)
317	Flying Shark (World)	367	Gryzor
318	Football Champ (World)	368	Guevara (Japan)
319	Football Frenzy	369	Gun Bird (World)
320	Forgotten Worlds (US)	370	Gun.Smoke
321	Free Kick	371	Gun.Smoke (World)
322	Freeze	372	Gun.Smoke(Japan)
323	Frogger	373	Gun.Smoke(US set 2)
324	Funky Jet	374	Gunbird 2
325	Gabg busters	375	Gundhara

326	Gaia Crusaders	376	Gunforce - Battle Fire Engulfed Terror Island (Japan)
327	Galaga '88 (Japan)	377	Gunforce - Battle Fire Engulfed Terror Island (World)
328	Galaga '88(set1)	378	Gunforce 2 (US)
329	Galaga (Namco rev. B)	379	Gururin Face
330	Galaga 3 (rev. C)	380	Guwange (Japan)
331	Galaxian (Namco)	381	Gyrodine
332	Galaxy Fight - Universal Warriors	382	Gyruss (Konami)
333	Galaxy Gunners	383	Hammerin' Harry (World)
334	Galivan	384	Hat Trick Hero '93 (Japan)
335	Galmedes (Japan)	385	Hat Trick Hero '95 (US)
336	Gals Pani4	386	Hat Trick Hero (Japan)
337	Gals Panic	387	Haunted Castle (version M)
338	Gals Panic S	388	Haunted Castle(version K)
339	Gals Panic S2	389	Head Panic (ver. 0315, 15/03/2000)
340	Gang Wars	390	Hero of Doom
341	Gang Wars(US)	391	Hexa
342	Garou - Mark of the Wolves (prototype)	392	Hexion
343	Garou - Mark of the Wolves (set 1)	393	Hook (US)
344	Garyo Retsuden(Japan)	394	Hook (World)
345	Gauntlet (rev 14)	395	Horro Story(Taito license)
346	Gauntlet II	396	Hot Chase
347	Gekirindan (Japan)	397	Hotdog Storm
348	Gemini Wing	398	Hyper Olympic
399	Hyper Olympic '84	449	Kung_Fu Taikun
400	Hyper Olympic (bootleg)	450	Kuri Kinton(Japan)
401	Hyper Pacman	451	Kuri Kinton(US)
402	Hyper Pacman (bootleg)	452	Kuri Kinton(World)
403	Hyper Sports	453	Kyukyoku Tiger 2 (Japan)
404	I'm Sorry (US)	454	Labyrinth Runner
405	IGS Chinese Dragon II	455	Labyrinth Runner(Japan)
406	In The Hunt (World)	456	Lady Bug
407	Indiana Jones and the Temple of Doom (set 1)	457	Last Duel
408	Indy Heat	458	Last Duel (US set 2)
409	Iron Horse	459	Last Duel(US set 1)
410	J. J. Squawkers	460	Last Resort
411	Jail Break	461	League Bowling
412	Jigoku Meguri(Japan)	462	Legend
413	Jr. Pac-Man	463	Legend of Makai(World)
414	Jump Bug	464	Legendary Wings (US set 1)
415	Jump Bug(bootleg)	465	Lethal Thunder(World)

416	Jump Coaster	466	Liberation
417	Jump Shot	467	Lightbringer (Japan)
418	Jumping Jack	468	Lightning Fighters (US)
419	Jungle Hunt(Brazil)	469	Liquid Kids (World)
420	Jungle Hunt(US)	470	Lizard Wizard
421	Jungle King(Japan)	471	Lode Runner
422	Jungler	472	Lode Runner II
423	Juno First	473	Lode Runner III
424	Kabuki Klash - Far East of Eden	474	Lode Runner IV
425	Kageki(US)	475	Lot Lot
426	Kaiser Knuckle (World)	476	MX5000
427	Kamikaze Cabbie	477	Mad Motor
428	Kangaroo	478	Mag Max
429	Karate Blazers (World?)	479	Magic Sword - Heroic Fantasy (World)
430	Karnov's Revenge	480	Magical Crystals(Japan)
431	KiKi KaiKai	481	Magical Drop II
432	Kick Start	482	Magical Drop III
433	Kicker	483	Magician Lord (set 1)
434	Kid no Hore Hore	484	Mahou Daisakusen (Japan)
435	King & Balloon (US)	485	Makai Densetsu(Japan)
436	King of the Monsters	486	Makai-Mura(Japan Revision C)
437	King of the Monsters 2	487	Makai-Mura(Japan)
438	Kizuna Encounter - Super Tag Battle	488	Makyou Senshi (Japan)
439	Knights of Valour	489	Manhattan 24 Bunsyo(Japan)
440	Knights of Valour 2 (ver. 100)	490	Mappy(US)
441	Knights of Valour 2 / Nine Dragons	491	Mario Bros. (Japan)
442	Knights of Valour Plus	492	Mario Bros. (US)
443	Knights of Valour(ver. 115)	493	Mars Matrix
444	Knights of the Round (World)	494	Marvel Super Heroes (951024)
445	Kokontouzai Eto Monogatari (Japan)	495	Marvel Super Heroes (US 951024)
446	Kuhga-Vapor Trail(Japan)	496	Marvel Super Heroes Vs. Street Fighter (Japan 970707)
447	Kunckle Joe	497	Marvel Super Heroes Vs. Street Fighter (US 970827)
448	Kung-Fu Master		
498	Marvel Vs. Capcom: Clash of Super Heroes (US 980123)	545	Moon Cresta(Set2)
499	Marvel Vs. Capcom: Clash of Super Heroes (US 980123)	546	Moon Patrol
500	Master of Weapon	547	Moon Quasar
501	Mayhen 2002	548	Motos
502	Maze of flott	549	Mr. Do!
503	Mazinger Z	550	Mr. Do's Castle (set 1)

504	Mega Blast (World)	551	Mr. Goemon(Japan)
505	Mega Blast(Japan)	552	Mr.Kougar
506	Mega Man - The Power Battle	553	Ms. Pacman Champion Edition / Super Zola Pac Gal
507	Mega Man 2: The Power Fighters (US 960708)	554	Multi Champ (Korea)
508	Mega Twins (World)	555	Musashi Ganryuuki
509	Mercs (US)	556	Muscle Bomber Duo - Ultimate Team Battle (World)
510	Mercs (World)	557	Mutant Fighter
511	Meta Fox	558	Mutation Nation
512	Metal Black (World)	559	My Hero(Korea)
513	Metal Slag 4 Plus	560	My Hero(US)
514	Metal Slug - Super Vehicle-001	561	Mysterious Stones(set 1)
515	Metal Slug 2 - Super Vehicle-001/II	562	Mystic Riders (World)
516	Metal Slug 3	563	Mystic Warriors (ver EAA)
517	Metal Slug 4	564	NAM-1975
518	Metal Slug 4	565	NONAME
519	Metal Slug 5	566	Narc (rev 7.00)
520	Metal Slug 5	567	Nastar(World)
521	Metal Slug 6	568	Naughty Mouse(set1)
522	Metal Slug X - Super Vehicle-001	569	Nekketsu Kouha Kunio-kun
523	Metamoqester	570	Nemesis
524	Metro-Cross(set 1)	571	Nemo
525	Michael Jackson's Moonwalker	572	Neo Bomberman
526	Midnight(Japan)	573	Neo Turf Masters
527	Midnight(US)	574	Neo-Geo Cup '98 - The Road to the Victory
528	Midnight(World)	575	New Rally X
529	Millipede	576	NewPuc2(set1)
530	Miss World'96(Nube)	577	NewPuc2(set2)
531	Missing in Action (Japan)	578	Night Striker (US)
532	Missing in Action (version S)	579	Night Warriors: Darkstalkers' Revenge
533	Missing in Action (version T)	580	Nightmare in the Dark
534	Mission 660 (Japan)	581	Nightmare in the Dark (decrypted)
535	Mission 660 (US)	582	Ninja Baseball Batman (US)
536	Mission 660	583	Ninja Clowns
537	Mister Viking	584	Ninja Combat
538	Momoko 120%	585	Ninja Commando
539	Money Puzzle Exchanger	586	Ninja Kids (World)
540	Moon Alien Part 2	587	Ninja Master's - haoh-ninpo-cho
541	Moon Cresta (Galaxian hardware)	588	Ninja Spirit
542	Moon Cresta (Gremlin)	589	Nitro Ball

543	Moon Cresta (Nichibutsu)	590	Noboranka
544	Moon Cresta(Set1)	591	Oh My God! (Japan)
592	Operation Ragnagard / Shin-Oh-Ken	644	Pooyan
593	Ordyne (Japan)	645	Pop 'n Bounce / Gapporin
594	Oriental Legend (ver.112)	646	Popeye (revision D not protected)
595	Oriental Legend (ver.112, Chinese Board)	647	Popeye(bootleg)
596	Oriental Legend (ver.126)	648	Power Goal (World)
597	Out Run (set 1)	649	Power Instinct (USA bootleg)
598	Out Zone (set 1)	650	Power Instinct Legends (USA)
599	OutRunners (US)	651	Power Play
600	P-47 - The Phantom Fighter (World)	652	Power Spikes I
601	P.O.W. - Prisoners of War (US)	653	Power Spikes II
602	Pac & Pal	654	Powered Gear: Strategic Variant Armor Equipment (Japan 941024)
603	Pac-Man Plus	655	Prehistoric Isle 2
604	Pac-Man(Midway)	656	Prehistoric Isle in 1930 (World)
605	Pairs Pairs Strata	657	Pretty Soldier Sailor Moon (95/03/22B)
606	Pairs(System ten)	658	Primella
607	Palamedes(Japan)	659	Progress
608	Pandora's Palace	660	Puchi Carat (Ver 2.02J 1997/10/29)
609	Pang (World)	661	PuckMan (Japan set 1, Probably )
610	Pang! 3 (Euro 950511)	662	Puckman Pockimon Genie 2000
611	Panic Bomber	663	PuliRula(Japan)
612	Parodius DA!(World)	664	PuliRula(World)
613	Peggle	665	Pulstar Pulstar Aicom
614	Pengo	666	Punch-Out!
615	Penguin Brothers (Japan)	667	Punk Shot (US 2 Players)
616	Performan(Japan)	668	Punk Shot(set4)
617	Performan(US)	669	Pushman
618	Peter Pack-Rat	670	Puyo Puyo (Japan)
619	Phelios (Japan)	671	Puzzle Bobble (Japan, B-System)
620	Phoenix (Amstar)	672	Puzzle Bobble
621	Photo Y2K	673	Puzzle Bobble 2 (Japan)
622	Pigout	674	Puzzle Bobble 2 (World)
623	Pigskin 621AD	675	Puzzle Bobble 2X (Ver 2.2J 1995/11/11)
624	Pinball Action(set1)	676	Puzzle Bobble 3 (Japan)
625	Pinbo	677	Puzzle Bobble 3 (US)
626	Pipe Dream(US)	678	Puzzle Bobble 3 (World)
627	Pipi & Bibis / Whoopee!!	679	Puzzle Bobble 4 (World)
628	Pirate Ship Higemaru	680	Puzzle Club(Japan)
629	Pirates	681	Puzzle De Bowling (Japan)

630	Pistol Daimyo no Bouken(Japan)	682	Puzzle De Pon
631	Pitfall II	683	Puzzle De Pon (Visco license)
632	Pitfall(not encrypted)	684	Puzzled / Joy Joy Kid
633	Pkladies	685	Puzznic (Japan)
634	Pleasure Goal	686	Qix (set 1)
635	Plus Alpha	687	R-Type (Japan)
636	Pnickies (Japan)	688	R-Type II
637	Pocket Fighter (Japan 970904)	689	Rafflesia
638	Pocket Gal (Japan)	690	Rage Of The Dragons
639	Pocket Gal (bootleg)	691	Raiden Seibu Kaihatsu
640	Poker ladies (Leprechaun)	692	Raiders5
641	Pollux Dooyong	693	Raimais(Japan)
642	Ponpoko	694	Rainbow Islands (Extra)
643	Pootan	695	Rainbow Islands (new version)
696	Rally Bike/Dash Yarou Rally Bike	747	Search And Rescue(US)
697	Rally X	748	Secret Agent
698	Rambo III (Europe set 1)	749	Section Z(set1)
699	Rastan(World)	750	Section Z(set2)
700	Rastan(set1)	751	Sei Senshi Amatelass
701	Rastan(set2)	752	Seishun Scandal(Japan)
702	Real Bout Fatal Fury	753	Sengoku / Sengoku Denshou (set 1)
703	Real Bout Fatal Fury 2 - The Newcomers	754	Sengoku / Sengoku Denshou (set 2)
704	Real Bout Fatal Fury Special	755	Sengoku 2 / Sengoku Denshou 2
705	RecordBreaker	756	Sengoku 3 / Sengoku Denshou 3
706	Reikai Doushi(Japan)	757	Sengoku Ace (Japan)
707	Repulse	758	Sexy Parodius (ver JAA)
708	Return of the Invaders	759	Shadow Dancer(Japan)
709	Rezon	760	Shadow Dancer(US)
710	Ribbit!	761	Shadow Force (US)
711	Riding Hero (set 1)	762	Shadow Warriors (US)
712	Ring of Destruction: Slammasters II (Euro 940902)	763	Shadow Warriors (World set 2)
713	Riot City	764	Shanghai II (Japan)
714	Road Fighter(set1)	765	Shanghai III (Japan)
715	Road Runner	766	Shao-Lin's Road
716	Robo Army	767	Shinnyuushain Tooru-kun
717	Robocop 2 (World)	768	Shinobi
718	Robocop(Japan)	769	Shinobi (set 1)
719	Robocop(US revision 0)	770	Shippu Mahou Daisakusen (Japan)
720	Robocop(US revision 1)	771	Shisensho-Joshiryo-Hen(Japan)
721	Rockman 2: The Power Fighters (Japan 960708)	772	Shock Troopers

722	Rod-Land (Japan bootleg)	773	Shock Troopers - 2nd Squad
723	Rod-Land(Japan)	774	Sichuan II(Hack)
724	Roller Jammer	775	Side Pocket(US)
725	Rolling Thunder(new version)	776	Side Pocket(World)
726	Run Deep	777	Silent Dragon (World)
727	Runark(Japan)	778	Silent Dragon(Japan)
728	Rush & Crash	779	Silkworm (set 1)
729	Ryu Jin (Japan)	780	Sky Adventure
730	S.R.D. Mission	781	Sky Adventure (Japan)
731	SD GunDam	782	Sky Fox
732	SVCCHAOS	783	Sky Kid(New Ver.)
733	Sai Yu Gou Ma Roku	784	Sky Smasher
734	Saint Dragon	785	Sky Soldiers (US)
735	Salamander (version D)	786	Slap Shot (Japan)
736	Samurai Shodown / Samurai Spirits	787	Sly Spy (US revision 1)
737	Samurai Shodown II	788	Sly Spy(US revision 2)
738	Samurai Shodown III	789	Snow Bros. - Nick & Tom (Japan)
739	Samurai Shodown IV - Amakusa's Revenge	790	Snow Bros. - Nick & Tom (set 1)
740	Samurai Shodown V	791	Snow Bros. 2 - With New Elves
741	Sand Scorpion	792	Soccer Brawl
742	Saturday Night Slam Masters (US)	793	Soldam(Japan)
743	Saturday Night Slam Masters (World)	794	Solitary Fighter (World)
744	Savage Reign	795	Solomon's Key(Japan)
745	Scramble	796	Space Intruder
746	Sea Fighter Poseidon	797	Space Invaders
798	Space Invasion	840	Sunset Riders (World 2 Players ver. EBD)
799	Space Invasion(Europe)	841	Super Bagman
800	Space Panic (version E)	842	Super Baseball
801	Space Pilot	843	Super Basketball
802	Sparkz	844	Super Basketball (version E)
803	Special Project Y(US)	845	Super Basketball (version G)
804	Special Project Y(World)	846	Super Bobble
805	Speed Ball	847	Super Breakout
806	Speed Coin	848	Super Burger Time (World)
807	Speed Rumbler	849	Super Burger time(Japan)
808	Spelunker	850	Super Cobra
809	Spelunker II	851	Super Contra
810	Spinmaster / Miracle Adventure	852	Super Cross 2(Japan)
811	Splatter House(Japan)	853	Super Cup Finals (World)
812	Sports Match	854	Super Dodge Ball
813	Star Force	855	Super Gem Fighter Mini Mix (US)



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814	Stone Ball (4 Players)	856	Super Pac-Man
815	Strategic Defense Initiative	857	Super Pang (World)
816	Street Fighter Alpha 2 (US 960306)	858	Super Punch_out(Japan)
817	Street Fighter Alpha 3 (US 980629)	859	Super Punch_out(US)
818	Street Fighter Alpha 3 (US 980904)	860	Super Puzzle Fighter 2 Turbo (US 960620)
819	Street Fighter Alpha: Warriors' Dreams (Euro 950727)	861	Super Puzzle Fighter 2 X (Japan 960531)
820	Street Fighter II - The World Warrior (World 910214)	862	Super Real Darwin(Japan)
821	Street Fighter II' - Champion Edition (Rainbow set 1)	863	Super Real Darwin(World)
822	Street Fighter II' - Champion Edition (Rainbow set 2)	864	Super Sidekicks / Tokuten Ou
823	Street Fighter II' - Champion Edition (Red Wave)	865	Super Sidekicks 2 - The World Championship
824	Street Fighter II' - Champion Edition (World)	866	Super Sidekicks 3 - The Next Glory
825	Street Fighter II' - Hyper Fighting (US)	867	Super Slams
826	Street Fighter Zero (Japan 950605)	868	Super Stereet Fighter2Turbo(asia)
827	Street Fighter Zero 2 (Japan 960227)	869	Super Street Fighter 2X(Asia)
828	Street Fighter Zero 2 (Japan 960805)	870	Super Street Fighter 2X(Japan)
829	Street Fighter Zero 3 (Japan 980727)	871	Super Street Fighter II: The New Challengers (US 930911)
830	Street Hoop / Street Slam	872	Super Volleyball(Japan)
831	Street Smart(set1)	873	Super Volleyball(Korea)
832	Street Smart(set2)	874	Super Volleyball(US)
833	Strength & Skill	875	Super Xevious
834	Strider(US set 1)	876	Surprise Attack
835	Strider(US set 2)	877	SvC Chaos - SNK vs Capcom Super Plus
836	Strike Gunner S.T.G	878	Swat
837	Striker 1945 (Japan)	879	Swimmer
838	Sunset Riders (Japan 2 Players ver. JBD)	880	Takeda Shingen(Japan)
839	Sunset Riders (US 2 Players ver. UBC)	881	Tank Battalion
882	Tank Busters	928	The King of fighters 10th Anniversary Extra Plus
883	Tank Force (Japan)	929	The Last Blade
884	Tank Force (US)	930	The Last Blade 2
885	Tant-R(Japan)	931	The Legend of Kage
886	Tecmo Knight	932	The Legend of Silkroad

887	Tecmo World Soccer '96	933	The NewZealand Story(Japan)
888	Teenage Mutant Hero Turtles (UK 2 Players)	934	The Ninja Kids(Japan)
889	Teenage Mutant Ninja Turtles (Oceania 2 Players)	935	The Punisher (World)
890	Tenchi wo Kurau (Japan)	936	The Simpsons
891	Tengai	937	The Simpsons(Japan)
892	Terra Cresta(YM2203)	938	The Simpsons(US)
893	Tetris (bootleg)	939	The Super Spy
894	Tetris (set 1)	940	The Ultimate 11
895	Tetris Plus	941	The World Warrior (US 911101)
896	Tetris Plus2	942	Thrash Rally
897	The Alphax Z	943	Three Wonders (World)
898	The Astyanax	944	Thunder Blaster (Japan)
899	The Berlin Wall (set 1)	945	Thunder Dragon (Bootleg)
900	The Berlin Wall (set 2)	946	Thunder Fox (World)
901	The Bounty	947	Thunder Zone
902	The Deep	948	ThunderForce AC
903	The Guinness(Japan)	949	Thundercade / Twin Formation
904	The Irritating Maze	950	Tiger Heli
905	The Killing Blade(Chinese Board)	951	Tiger Road (US)
906	The King Of Fighters 2002 Magic Plus	952	Timber
907	The King Of Fighters 2002 Magic PlusII	953	Time Pilot
908	The King of Dragons (World)	954	Time Pilot 84
909	The King of Fighters 10th Anniversary	955	Time Scanner
910	The King of Fighters 2000	956	Time Soldiers (US Rev 3)
911	The King of Fighters 2001	957	Time Tunnel
912	The King of Fighters 2002	958	Toki
913	The King of Fighters 2002	959	Tokimeki Memorial Taisen Puzzle-dama (ver JAB)
914	The King of Fighters 2002 Plus	960	Tokio / Scramble Formation
915	The King of Fighters 2003	961	Top Hunter - Roddy & Cathy
916	The King of Fighters 2003 (World / US, MVS)	962	Top Secret(Japan)
917	The King of Fighters 2004	963	Tower of Druaga(New Ver.)
918	The King of Fighters 94	964	Toyopop
919	The King of Fighters 95	965	Transformer
920	The King of Fighters 96	966	Trick Trap (World?)
921	The King of Fighters 97	967	Trio The Punch
922	The King of Fighters 97	968	Trojan (US)
923	The King of Fighters 97 Super Plus	969	Truxton / Tatsujin
924	The King of Fighters 98	970	Truxton II / Tatsujin II
925	The King of Fighters 98 - The Slugfest	971	Tube Panic

926	The King of Fighters 99 - Millennium Battle	972	Tumble Pop (World)
927	The King of fighters 10th Anniversary 2005 Unigue	973	Turtle Ship
974	Tutankham	1023	War of Aero - Project MEIOU
975	Tutankham(Stern)	1024	Wardner no Mori(Japan)
976	Twin Bee Yahhoo! (ver JAA)	1025	Wardner no Mori(World)
977	Twin Cobra (World)	1026	Warriors of Fate (World)
978	Twin Eagle - Revenge Joe's Brother	1027	Wild Fang
979	Twin Hawk	1028	Wild West C.O.W.-Boys of Moo Mesa
980	TwinBee	1029	Willow (Japan, English)
981	Twinkle Star Sprites	1030	Windjammers / Flying Power Disc
982	Two Crude (US)	1031	Wits
983	Typhoon	1032	Wiz
984	U.N. Defense Force: Earth Joker (Japan)	1033	Wizard Fire
985	U.N. Squadron (US)	1034	Wonder Boy III(set 1)
986	U.S. Championship V'ball(set 1)	1035	Wonder Planet (Japan)
987	Ultra Balloon	1036	Wonder boy
988	Ultraman Club - Tatakae!	1037	World Grand Prix (US)
989	Undercover Cops (World)	1038	World Heroes
990	Uo Poko (Japan)	1039	World Heroes 2
991	VS. Clu Land	1040	World Heroes 2 Jet
992	VS. Excitebike	1041	World Heroes Perfect
993	VS. Mighty Bomb Jack	1042	World Wars (Japan)
994	Vampire Savior 2: The Lord of Vampire (Japan 970913)	1043	Wrestle War
995	Vampire Savior: The Lord of Vampire (Euro 970519)	1044	X Multiply (Japan)
996	Vampire Savior: The Lord of Vampire (Japan 970519)	1045	X-MEN
997	Vampire Savior: The Lord of Vampire (US 970519)	1046	X-Men
998	Van-Van Car	1047	X-Men Vs. Street Fighter
999	Vapor Trail - Hyper Offence Formation	1048	X-Men Vs. Street Fighter (Euro 96010)
1000	Varth - Operation Thunderstorm (World)	1049	X-Men: Children of the Atom
1001	Vendetta (World 4 Players ver. T)	1050	X-Men: Children of the Atom (US 950105)
1002	Video Hustler	1051	XX Mission
1003	Viewpoint	1052	Xevious (Namco)
1004	Vindicators Part II(rev3)	1053	Yie Ar Kung-Fu(set 1)
1005	Vindicators(rev5)	1054	Yokai Douchuuki(Japan new version)
1006	Violence Fight(World)	1055	Youjyuden(Japan)

1007	Violent Storm (ver EAB)	1056	Youma Ninpou Chou(Japan)
1008	Voltage Fighter - Gowcaizer	1057	Zaviga
1009	Vs. Battle City	1058	Zaxxon (set 1)
1010	Vs. Dr. Mario	1059	Zed Blade / Operation Ragnarok
1011	Vs. Gradius	1060	Zero Wing
1012	Vs. Ice Climber	1061	Zig Zag
1013	Vs. Mach Rider	1062	Zing Zing Zip
1014	Vs. Mach Rider(Japan)	1063	Zombie Raid (US)
1015	Vs. Pinball	1064	Zwackery
1016	Vs. Slalom	1065	NBA Jam TE <rev 4.0 03/23/94>
1017	Vs. Super Mario Bros	1066	Mortal Kombat II <rev L3.1>
1018	Vs. Super SkyKid		
1019	WWF Superstars (US)		
1020	WWF Superstars (US)		
1021	Waku Waku 7		
1022	Wanted		