## 

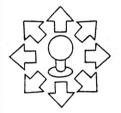
Service Manual



## JAMMA STANDARD

SOLDER SIDE			PARTS SIDE
GND	A	1	GND
GND	В	2	GND
+5V	С	3	+5V
+5V	D	4	+5V
8 A	E	5	
+12V	F	6	+12V
	Н	7	
COIN COUNTER 2	J	8	COIN COUNTER 1
	K	9	
SPEAKER(-)	L	10	SPEAKER(+)
. 49	M	11	
VIDEO GREEN	N	12	VIDEO RED
VIDEO SYNC	Р	13	VIDEO BLUE
SERVICE SW	R	14	VIDEO GND
	S	15	TEST SW
COIN SW 2	Т	16	COIN SW 1
START SW 2	U	17	START SW 1
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 PUSH 1	Z	22	1P PUSH 1
2P PUSH 2	a	23	1P PUSH 2
2P PUSH 3	b	24	1P PUSH 3
	С	25	
	d	26	
GND	е	27	GND
GND	f	28	GND

- BOARD CONNECTOR JAMMA STANDARD
- CRT MONITOR SCREEN VERTICAL SCREEN DISPLAY
- CONTROL PANEL





LEVER

8-DIRECTION ENERGY CHARGED BY PUSHING FIRE BUTTON E.B.A ENERGY CHARGER

TWO PEOPLE CAN PLAY SIMULTANEOUSLY YOU CAN JOIN MID-GAME

## DIP SWITCH

DIP	SWITCH 1	1	2	3	4	5	6	7	8
NUMBER OF PLAYERS	3	OFF	OFF	10	la la	2			
	2	ON	OFF						
	4	OFF	ON						
	5	ON	ON						
DIFFICULTY	NORMAL			OFF	OFF				
	EASY			ON	OFF				
	HARD			OFF	ON				
	HARDEST			ON	ON				
SCREEN	NORMAL					OFF			
	TURNED					ON			
DEMONSTRATION	ON						OFF		
SOUNDS	OFF						ON		
EXTENDED PLAY	800,000/1,500,000 SCORES							OFF	OFF
	500,000/1,000,000 SCORES	*						ON	OFF
	1,000,000/2,000,000 SCORES						87	OFF	ON
	NO							ON	ON
UPON SHIPPING		OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

DIP SWITCH 2		1	2	3	4	5	6	7	8
COIN A	1COIN 1PLAY	OFF	OFF	OFF					
	1COIN 2PLAY	ON	OFF	OFF					
	1COIN 3PLAY	OFF	ON	OFF			186		
	2COIN 1PLAY	ON	ON	OFF					
	2COIN 3PLAY	OFF	OFF	ON					
	3COIN 1PLAY	ON	OFF	ON				22	
	3COIN 2PLAY	OFF	ON	ON			28		
	FREE PLAY	ON	ON	ON					
COIN B	1COIN 1PLAY				OFF	OFF	OFF		
	1COIN 2PLAY				ON	OFF	OFF		
	1COIN 3PLAY				OFF	ON	OFF		
	2COIN 1PLAY				ON	ON	OFF		
	2COIN 3PLAY				OFF	OFF	ON	-	
	3COIN 1PLAY				ON	OFF	ON		
	3COIN 2PLAY				OFF	ON	ON		
	4COIN 1PLAY				ON	ON	ON		
UN USED		0.4		14 5					
MODE	NORMAL MODE							•	OFF
	TEST MODE								ON
UPON SHIPPING		OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

## TEST MODES

Test patterns will appear on CRT monitor screen if you put on 2-8 dip switch. Furthermore, by pressing service switch, the following modes will appear.

- SWITCH TEST
- DIP SWITCH DISPLAY
- SOUND TEST
- BG CHARACTER TEST
- SPRITE TEST



1-9-8 YAYOI-CHO NAKANO-KU TOKYO 164 JAPAN

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