namco®

# FIGHTER ATTACKER

OPERATION MANUAL

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2.8.5 TAMAGAWA, OHTA-KU, TOKYO, 146, JAPAN

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# 6. PC Board Connector Table

JAMMA edge connector (56.P 3.96 mm pitch)

Salder elde	Terni	nel Ho.	terte side		
CND	۱ ۸		CND		
CHD	3		CND		
+50	c	3	-54		
-3v	9		+54		
	E.	5			
-124	7	6	+11v		
Insertion error preventing key.	, ж	,	Inegration error preventing key		
Coin tounter-2	J	8	Coin counte-1		
	K	9	Coin lockou: 1		
Speaker (-)	L	10	Speaker (+)		
Audio (cxo)	H	-11	Audio (+)		
videa CREEN	ж	12	viceo RED		
video SYFC		13	video sive		
Service switch	1	14	Video CKD		
	5	15	Test svicen		
Cain switch Z	1	16	Coin solten 1		
27 stort switch	υ	17	It ecert witch		
2P lever UP	٧	18	If lever UP		
IP lever poun	V	19	17 lever SOWN		
27 lever LEFT	x	10	It lever terr		
IP lever Alcut	Y	11	17 lever RICHT		
If shot 1	2	11	12 shee 1		
2F +hot 2		7)	17 1505 2		
	3	24			
	-	25			
	d	26	Ken 1976		
Сир	•	27	· CND		
CHO	f	28	CHD		

- o Do not connect anything to the blank connectors.
- o Both lockout solenoid and coin counter operate on +12 V.
- o Connect the switches to the N.O. terminals such as a microswitch, and the GND to the COM terminal.

o The supply voltage is available within ±5%. For use in the best condition, get the supply voltage as close to the specified voltage as possible.

(Recommended power capacity)

+5V ±5%	2.0 A	or	nore
+12V +5%	2.0A	or	wore

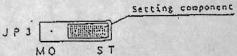
Extended edge connector (48P 2.54 mm pitch)

Solder side	Ternine	il Ko.	Parse side		
Speaker R (-)	Al	81	Speaker k (+)		
Headphone R	42	12	Headphons (		
	43	13 .	Keadphone CHO		
	14	36			
Insertion server preventing key	A.5	35	Insercion error preventing key		
	1.6	86			
	4.2	37			
	A8	84			
	84	47			
	VIC	510			
	AII	111	<b>1</b>		
	Alz	112			
	A13	113	Sinker / To		
	A 14	414			
	A 15	315			
	A16	316			
	417	117			
	A18	214	RELIVE A F		
	419	\$19			
	A 20	820			
	A 21	221	No.		
	All	122			
	YSJ	82)			
	A24	\$24	14 1.2.11		

o Do not connect anything to the blank connectors,

(Connection to stereo cabinet)
(1) STEREO/MONO setting
Place the STEREO/MONO setting component (JP3) on
the PC board in the STEREO position.

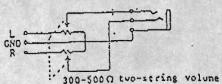
(Caution) If the JP3 is set to "STEREO" on a cabinet with monophonic specifications as shown above, only the left sound comes from the speakers.



(2) Connection to speakers
The speaker output of the 56P edge connector
(JAMMA) on the PC board is the left (L) output.
Connect the right (R) speaker to the right (R) speaker
output of the 48P edge connector on the PC board.

· Use a DDK 225-100242-2314 as a 48P extended edge connector.

(Headphone output)
Connect the headphone to the headphone output of the 48P edge connector.



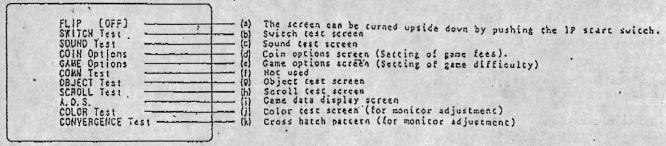
(Recommended headphone circuit)

### . 5. Test Mode

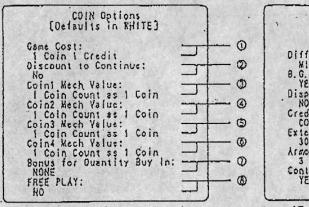
(1) The PC Board enters the test mode by setting the test switch on the PC board to "ON" on the game screen. And the test menu screen is displayed on the monitor. Use the test switch (For connection, see P3: PC Board Connector Table) on the cabinet or the option switch on the PC board.

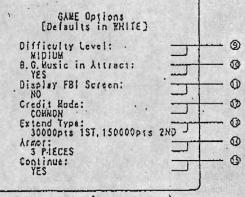
When the 1P button 1 switch is pushed, a selectable test screen changes; when the 1P start switch is pushed, the selected test screen is displayed.

(2) Game fees can be changed on the coin options screen, and the game difficulty can be changed on the game options screen. Select an item using the 1P button 1 switch, and change its contents using the 1P start switch (see the option setting table). After switching, push the 2P start switch to return to the test menu screen.



(Test menu screen)





(Coin Options screen)

(Game options screen)

(Option secting table)

( < Original secting)

	Len	Contents									
① c.n	* [441	Coin	Cain count required for one gene (one create)					(1) 1 - 1	1-9-6		
① 2is	tount	502	SOT directors when continuing a play					RO →	( . YES		
① Co1	n counter 1	Coen	ne per coia					1 - 1	(1-()		
( Cai	n counter 2	Ceyn	unt per coin				1 - 1	(140)			
3 . 6		net	used								
① **··	uz edin		One additional toin per the MCNE & specified number of coins 2 Coins					Cive 1 Coin			
	19 Ye		9 Colos					olas Give 2	s Give 2 Coins		
① ···	e play	нэ -	ZIY , ▶ CH								
(P) 010	fleulty	HEOL	MODIUM - (CASE), (MEDIUM), (MARD))								
(1) ALC	ached sound	YES	YES -(. PO (8.G. musle eraseable only)								
(I) 141	display	× (	No (Not displayed) -( , YES (Displayed)								
① cro	dit mode		COMMON (Credic is common to IF and 27) -4 .  EACH ONE (Credic is set for IP and 2P each)								
① Lat	end	3000	30000 ptr 157, 150000 pts 340 (Seandard) - (4 =tages)								
(1) Ata	or	2 (5	2 (Stanford) -( (1 5 ranks)								
(I) con	ciove	res	₹. 10					44			
Cane fee		44		Ö	0	0	0	Credic	(Note)		
Caomple	I gave Co	stinue		9	9		9	display	6.00		
	100 yen 10	yen	LCON	ICREDIT	140	ICOUNT ICOIN	HONE	CREDET O	when sain con-		
	100 700 3	744	2CD LNS	ICALOIT	175	ICOUNT SCOTHS	NONE	CREDIT 0/2	1 0 vili be (9)		

#### Cautions

- (1) Be sure to turn off the cabinet whenever installing or removing the PC board.
- (2) Be sure to use an edge connector which is applied to the JAMMA standard. Any modifications such as cutting the edges of PC boards will cause a failure and also will be out of our guarantee for repair.
- (3) Never test the PC boards for conductivity with a multimeter or similar device. The PCB contains sensitive chips which could be destroyed even by the internal voltage of such a device.
- (4) Foreign matters or dust on the PC boards will cause a failure. Turn off the power and clean the PC boards with a brush or similar thing.
- (5) When transporting the PC boards, wrap them with sponges or air caps and pack them in a card board box so that they can avoid a direct impact from outside during shipment.
- (6) For maintenance, contact your distributor.

#### Specifications

(1) Control panel: One-side 2-P specifications 2 (1P, 2P, each) o 8-direction lever: 4 (1P, 2P, each) 1P starc switch o Button switch: 2P start switch o Start switch: 2 (1P, 2P, each) (2) PC board size: 220 x (3) Direction of monitor: Vertical 220 x 230 mm eses IP control lever 2P shot 2 (ground) IP shot 1 (air) 2P shot I (air) IP shot 2 (ground) 2P control lever Fig. 1

#### Connection 3.

- (1) Connection of control panel See below to connect the control panel to the cabinet (See P3: PC Board Connector Table).
- (2) Connection of PC board Connect the PC board to the cabinet (see PJ: PC Board Connector Table). Using the PC Board with a stereo cabinet allows you to enjoy a stereophonic effect (See P7: "Connection to Stereo Cabinet").

## 4. Explanation of PC Boards

(1) Option switches The PC Board enters the test mode by setting option switch No. 1 to "ON". Normally, all of the option switches are "OFF".

(2) Control volumes The control volumes are already adjusted properly at shipment. Unless otherwise inconvenient, use the control volumes as they are.

(D) Speaker volume To decrease the sound volume of the speaker, turn the speaker volume counter-clockwise.

 Headphone volume To decrease the sound volume of the headphone, turn the headphone volume counter-clockwise.

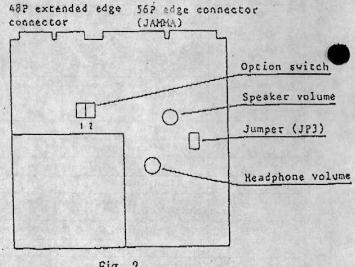


Fig. 2

Specified Connector

Use a ODK 225-100242-2314 es a 48P extended edge connector.