

TAITO®

KAISER KNUCKLE™

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INSTRUCTION MANUL

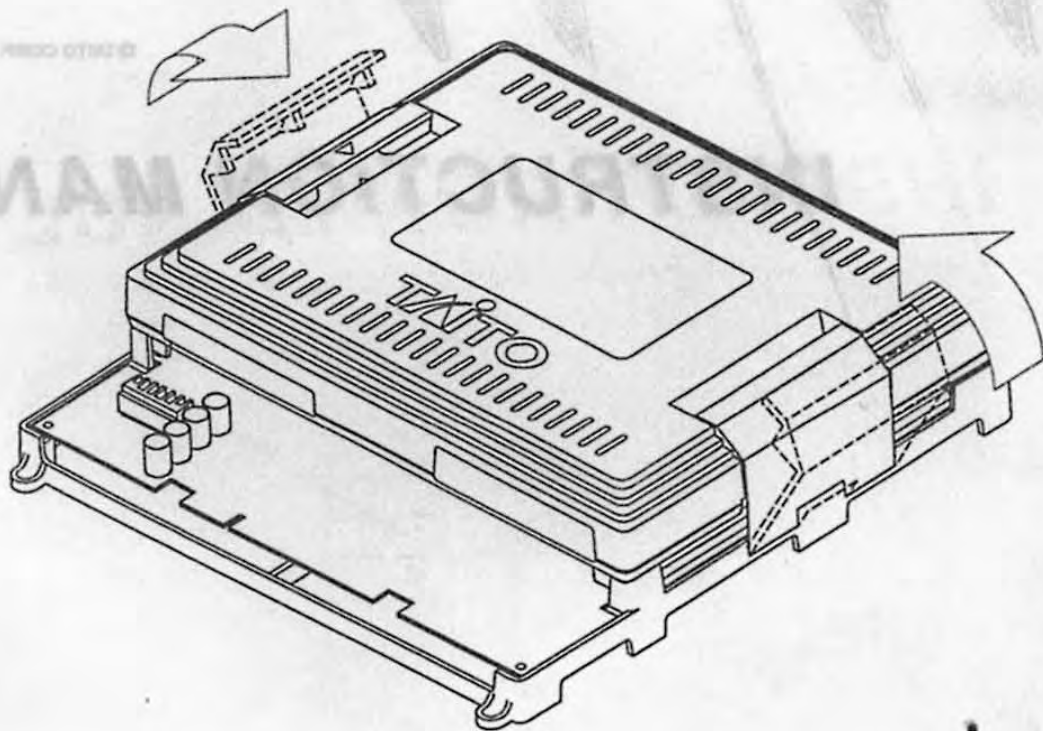
TAITO CORPORATION.

*** Cautions**

- Prior to executing the alternation work, make sure to turn OFF the power.
- Use a JAMMA standard connector (56 pin edge connector having 3.96 mm pitch) for the edge connector of the mother PC board.
- After turning on the power, adjust the power supplied to the mother PC board that its level becomes the rated voltage at the mother PC board connector section.

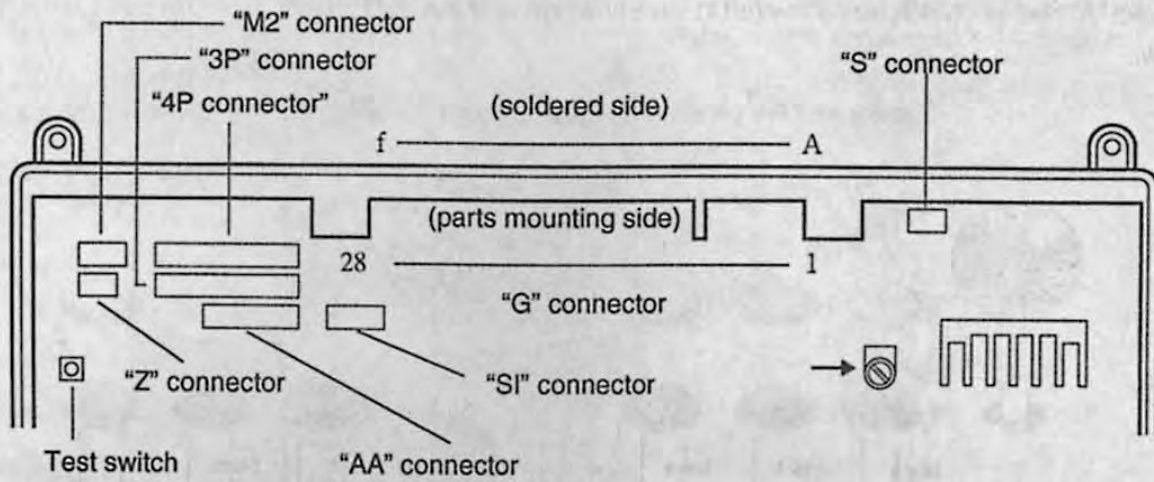
[Connection of mother PC board and ROM package]

- Connect the ROM package on the mother PC board while referring the figure below.



*** Be careful about direction of the ROM package**

[Mother PC board]



- This game uses "AA" connector.

[Connector list]

"G" connector		JAMMA	
GND	1	A	GND
GND	2	B	GND
+5V	3	C	+5V
+5V	4	D	+5V
	5	E	
+12V	6	F	+12V
POST	7	H	POST
METER1	8	J	METER2
LOCKOUT1	9	K	LOCKOUT2
SPEAKER (+)	10	L	SPEAKER (-)
	11	M	
VIDEO R	12	N	VIDEO G
VIDEO B	13	P	SYNC
VIDEO GND	14	R	SERVICE
TEST	15	S	TILT
COIN1	16	T	COIN2
SELECT1	17	U	SELECT2
1P UP	18	V	2P UP
1P DOWN	19	W	2P DOWN
1P LEFT	20	X	2P LEFT
1P RIGHT	21	Y	2P RIGHT
1P PUNCH1	22	Z	2P PUNCH1
1P PUNCH2	23	a	2P PANCH2
1P PUNCH3	24	b	2P PUNCH3
	25	c	
	26	d	
GND	27	e	GND
GND	28	f	GND

- This PC board has no dip switches. For selecting play fee and game contents, set at the test mode.

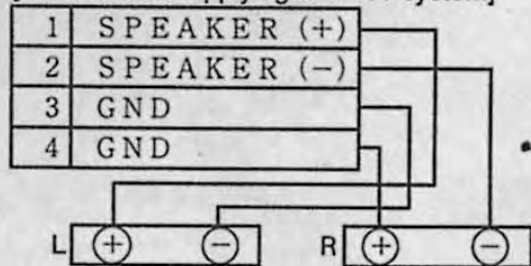
* Caution

The volume on the PC board (shown by an "→" in the figure above) is not for adjusting the sound loudness level. Never touch this volume as it has already been adjusted before delivery.

- Connect two speakers with a "S" connector as shown below. The machine will emit an authentic stereo presence sound.

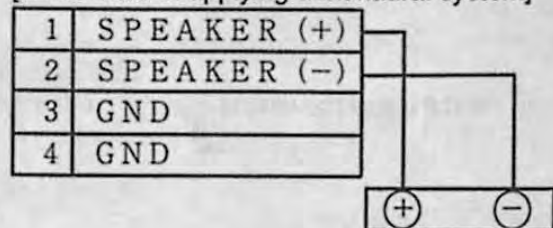
"S" connector (stereo)

[In the case of applying a stereo system]



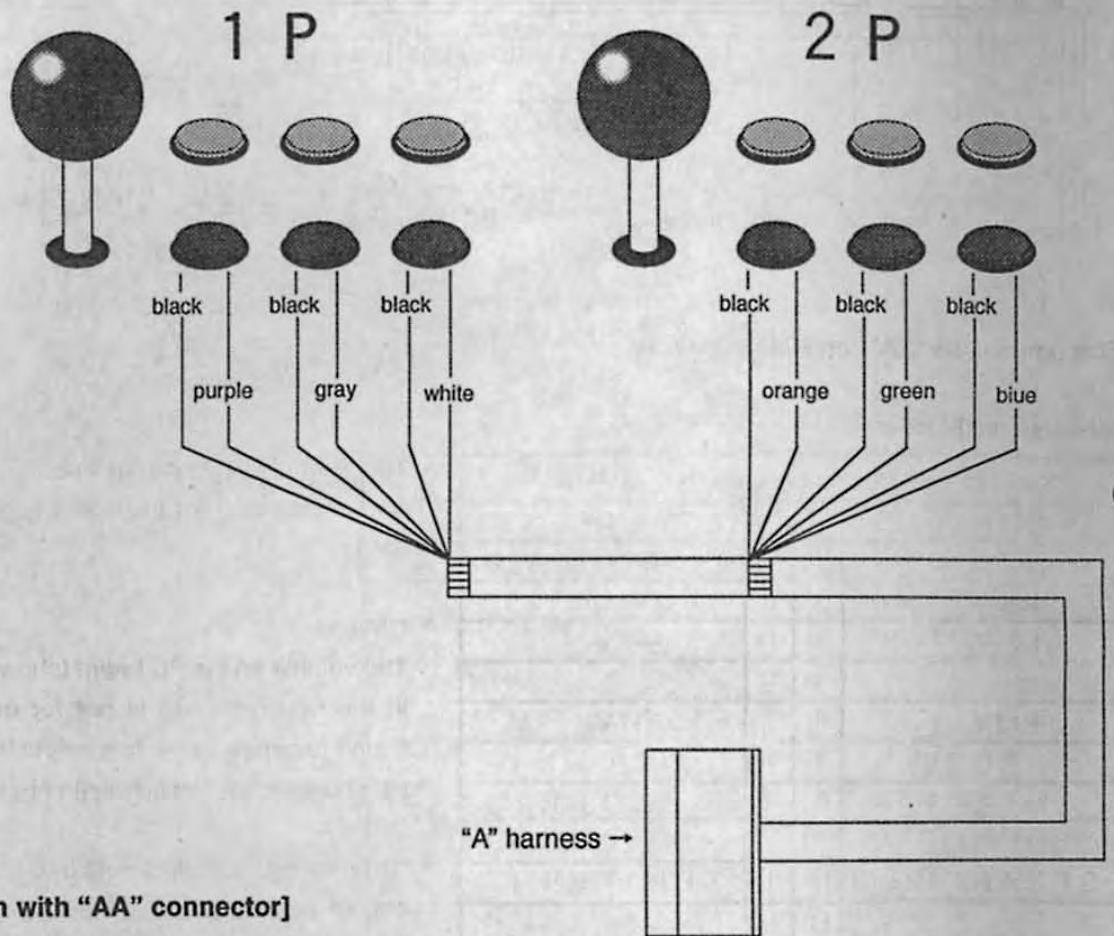
"S" connector (monaural)

[In the case of applying a monaural system]



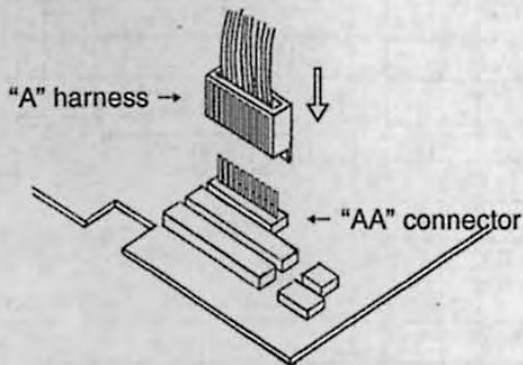
[Connection of "A" harness]

- Connect "A" harness which was delivered to each kick button of the control panel while referring to the figure below.



[Connection with "AA" connector]

- Insert the "A" harness on the "AA" connector on the mother PC board.



["AA" connector list]

"AA" connector			
1	GND		
2	GND		
3	1P	KICK	1
4	1P	KICK	2
5	1P	KICK	3
6			
7	2P	KICK	1
8	2P	KICK	2
9	2P	KICK	3
10			

- Be careful about the direction of the "A" harness connection.

[Test mode]

- Press the test switch on the mother PC board (or short circuit the test switch line of the "G" connector No. 15 to the GND terminal), and the game mode on the monitor will be halted. The screen will change to the menu window of the test mode.
- Any credits remaining in the game will be all cleared on entering the test mode.

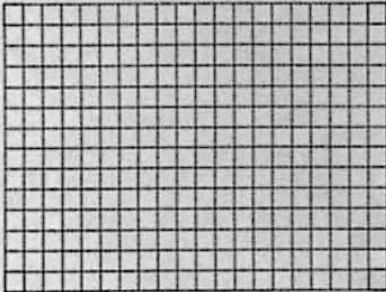
```
TEST MODE MENU
MONITOR TEST
SWITCH TEST
SOUND TEST
CONFIGURATION
FACTORY SETTING
FXIT (RESET)
```

(Test mode menu)

- Move the cursor by shifting the lever on the 1P side up and down and select the required test item on the screen. Press "A" button and the test for the selected item will start.
- To end the test mode, select the "EXIT" item and press the "A" button.

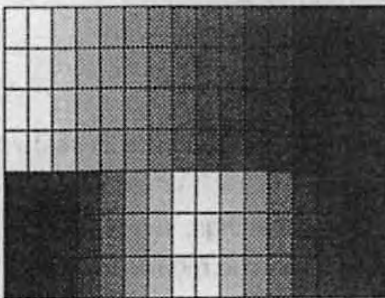
[Monitor test]

- Cross hatch



- Select the monitor test and the cross hatch screen will appear on the monitor.

- Color bar



- Each press of the "A" button changes the display between the cross hatch screen and the color bar screen.

- Press the test switch to return to the main menu.

[Switch test]

- This test checks the input of each switch
- To end the switch test, press the test switch. The screen will display the main menu.
(This mode display is not a window display so you have to completely end this mode and enter into another mode from the main menu.)

```
COIN-A:OFF      COIN-B:OFF
SERVICE:OFF    TILT:OFF
1P-CONT         2P-CONT
SLCT:OFF        SLCT:OFF
SW 1:OFF        SW 1:OFF
                2:OFF
                3:OFF
                4:OFF
                5:OFF
                6:OFF
LH U:OFF        LH U:OFF
                D:OFF
                L:OFF
                R:OFF

PUSH TEST SW RETURN TO MENU
```

[Sound test]

- This test checks the sound output, volume level, and the balance of the left and right channels.
- Select the required item by shifting the lever on the 1P side up and down and vary the setting level by shifting the same lever right and left.

```
SOUND TEST

SOUNDCODE:0001
VOLUME MIN ██████████ MAX
BALANCE  L ██████████ R-00

EXIT
```

- When you select "EXIT," the monitor shows the window below and asks whether to save the change or not.

```
WRITE TO EE-ROM?
YES
NO
```

- When you want to save the contents set by the sound test, select "YES." When you do not want to change the settings, select "NO." Then press the "A" button. The monitor will return to the main menu.

[Configuration]

- In this mode, set play fees and the game contents.
- Select the required item by moving the 1P side lever up and down and select the contents by shifting the same lever right and left.

```
GAME STYLE      : D (2P)
MONITOR         : NORMAL
ATTRACT SOUND   : WITH
DIFFICULTY      : NORMAL
CONTINUE PLAY   : WITH
BLOOD MOOD      : WITH OUT
GAME SPEED      : MIDDLE
CONTROL         : 6 TRIGGER
BGM             : WITH
COIN A : 1 COIN
              1 CREDIT
COIN B : 1 COIN
              2 CREDIT
EXIT
```

- Select "EXIT" and press the "A" button, the following window will appear on the monitor.

```
WRITE TO EE-ROM?
YES
NO
```

- When you want to save the contents set by the configuration test, select "YES." When you do not want to change the settings, select "NO." Then press the "A" button. The monitor will return to the main menu.

[Factory setting]

- This function sets all the settings, including the sound setting, to the factory settings.

```
SURE?
YES
NO
```

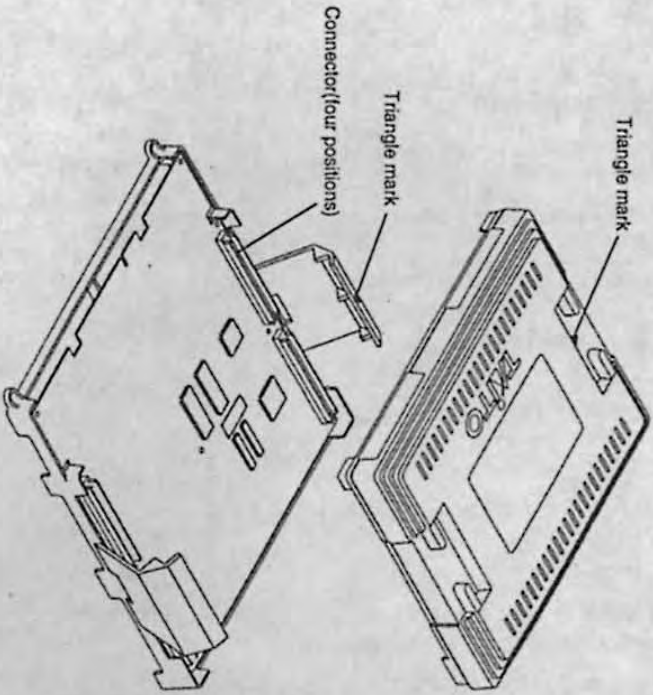
- Select "YES" or "NO" by shifting the 1P lever up and down. When "YES" is selected, all the settings return to the factory settings. When "NO" is selected, none of the settings are changed.

(Configuration list)

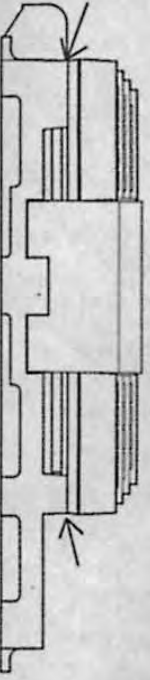
SETTINGS					
GAME STYLE	*D (2P)	COIN A	*1COIN	*1CREDIT	
	E (1P)		2COIN	2CREDIT	
MONITOR	*NORMAL		3COIN	3CREDIT	
	REVERS		4COIN	4CREDIT	
ATTRACT SOUND	*WITH			5CREDIT	
	WITH OUT			6CREDIT	
DIFFICULTY	EASY		COIN B	*1COIN	1CREDIT
	*NORMAL			2COIN	*2CREDIT
	HARD			3COIN	3CREDIT
	VERY HARD			4COIN	4CREDIT
	VERY SLOW			5CREDIT	
TIMER	SLOW			6CREDIT	
	*MIDLE	* FACTORY SETTING			
	FAST				
CONTINUE PLAY	*WITH				
	WITH OUT				
BLOOD MODE	WITH				
	*WITH OUT				
GEME SPEED	SLOW				
	*MIDDLE				
	FAST				
	VERY FAST				
CONTROL	*6TRIGGER				
	5TRIGGER				
BGM	*WITH				
	WITH OUT				

Connection of the mother PC board and ROM PC board

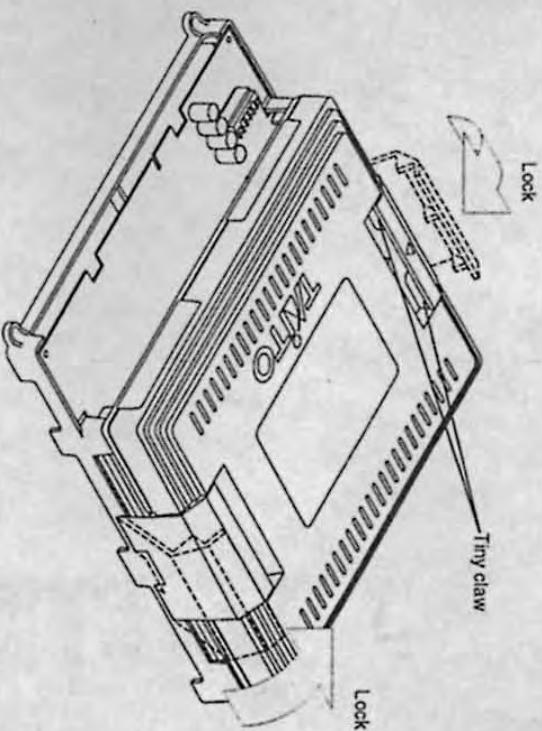
- (1) Match both triangle marks (shown below) of the mother PC board and ROM PC board. Then insert the connector.



- (2) Set the ROM PC board on the mother PC board so that there is no gap at the four corners. (→)



- (3) Lock the two fixing holders of the mother PC board on the ROM PC board. Each fixing holder has two tiny claws to lock onto the ROM PC board. Confirm that these claws are appropriately locked by hearing a "click" sound.



- (4) When taking of the ROM PC board from the mother PC board, follow the reverse procedure of item (1) to (3) above. However, when removing the fixing holders which are locking onto the ROM PC board, take out the claws one by one to release locking. Then follow the procedure of item (1) to (3) above.

VORSICHTSMASSNAHMEN ZUR HANDHABUNG

Dieses Produkt beinhaltet Präzisionselektronik-Komponenten. Behandeln Sie diesen Behälter mit äußerster Sorgfalt.

1. Vermeiden Sie die Benutzung und Aufbewahrung dieses Behälters in der Nähe von Gegenständen oder Komponentendie eine hohe Wärmeabstrahlung haben.
2. Lassen Sie den Behälter nicht fallen und rütteln Sie nicht an ihm.
3. Halten Sie das Innere des Behälters trocken und frei von fremdartigen Gegenständen.
4. Blockieren Sie die Ventilatoren nicht.
5. Folgen Sie beim Austausch von Patronen den Beschreibungen in der Bedienungsanleitung.
6. Versuchen Sie nicht, die Patronen zu zerlegen, da sämtliche Garantien erlöschen, wenn die Patrone zerlegt und der Siegel nicht mehr unversehrt ist.

PRECAUCIONES

Este producto contiene componentes electrónicos de precisión. Tenga mucho cuidado al manipular este recipiente.

1. Evite usar o almacenar la caja cerca de objetos o componentes de alta temperatura.
2. No deje caer ni sacuda el recipiente.
3. Mantenga el interior del recipiente libre de humedad y de materias extrañas.
4. No bloquee los ventiladores.
5. Para reemplazar el cartucho, siga el procedimiento descrito en el manual de instrucciones.
6. No intente desarmar el cartucho. Todas las garantías quedarán nulas si el cartucho es desarmado o si el sello es roto.

操作注意事項

本產品配有精密電子元件。操作和護理要格外小心。

1. 避免靠近高溫物體或零件使用或存放此盒。
2. 不可跌下或撞擊。
3. 保持盒內乾燥，無外來雜物。
4. 勿堵塞通風孔。
5. 換卡盒時須遵照使用說明書所述步驟操作。
6. 勿拆開卡盒。卡盒一經拆開或封條撕破，一切保用資格也隨着喪失和無效。

PRECAUTIONS DE MANIPULATION

Ce produit contient des composants électroniques de précision. Faites particulièrement attention lorsque vous manipulez ce conteneur.

1. Évitez d'utiliser ou de ranger la boîte près d'objets ou de composants à hautes températures.
2. Ne pas laisser tomber ou secouer.
3. Préservez l'intérieur du conteneur de l'humidité et des corps étrangers.
4. Ne pas bloquer les ventilateurs.
5. Lors du remplacement des cartouches, suivez la procédure de fonctionnement du manuel d'instructions.
6. N'essayez pas de démonter la cartouche. Si elle est démontée ou si le scellement est cassé toutes les garanties seront nulles et sans effet.

PRECAUZIONI SULL'USO

Questo prodotto contiene dei componenti elettronici ad alta precisione. Maneggiate quest'unità con molta attenzione.

1. Evitate di usare o riporre la custodia nelle vicinanze di oggetti o componenti che generano alte temperature.
2. Fate attenzione a non far cadere o esporre l'unità ad urti.
3. Assicuratevi di mantenere sempre la parte interna della custodia priva di umidità e di oggetti estranei.
4. Non bloccate i fori di ventilazione.
5. Alla sostituzione delle cartucce, seguite le istruzioni fornite nel manuale dell'unità.
6. Non cercate mai di smontare la cartuccia. Nel caso in cui venisse smontata oppure se il sigillo fosse spezzato, la garanzia non sarà più valida.

취급상의 주의

본 제품은 정밀한 전자부품으로 만들어져 있습니다. 다음과 같은 취급상의 주의 사항을 지켜 주시기 바랍니다.

1. 극단적으로 고온인 부품 가까이에서는 사용하지 마십시오.
2. 충격을 가하지 않도록 하여 주십시오.
3. 물이나 이물질이 들어가지 않도록 하여 주십시오.
4. 통풍 구멍이 막히지 않도록 하여 주십시오.
5. 카트리지를 교환할 때는 취급 설명서의 지시에 따라 주십시오.
6. 카트리지를 분해하지 마십시오. 만일 분해한 경우 또는 봉인 실(seal)을 파손시킨 경우, 수리 할 수 없습니다.

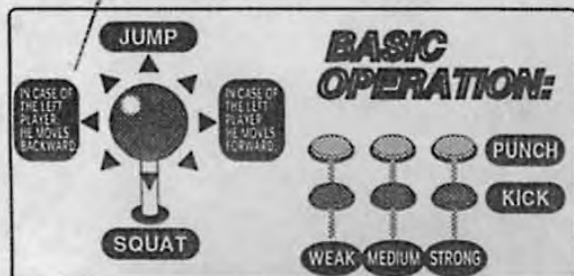
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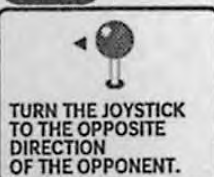
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GUARD



THROWING



CRUSH BATTLE SYSTEM



WHEN RECEIVED ENEMIES' ATTACKING, THE CRUSHGAUGE GOES UP! IN THE MAXIMUM STATE, WHEN HITTING A MORTAL SKILL, THE SCENERY CRUSHES WITH LIGHTNING! AND THE DAMAGE ENLARGES ONE AND A HALF TIMES! FIND THE MOST POWERFUL MORTAL SKILL OUT OF ALL SKILLS, AND BY USING IT, DEFEAT ENEMIES!!

Find **SECRET MOVES**
by using Joystick and
Button combination

FIGHT IN THE BATTLE FIELD WHICH CHANGES MOMENTARILY!

BY GIVING DAMAGE TO AN ENEMY BY THE WALL, THE PLAYER CAN MOVE TO AN DIFFERENT PLACE!

FI AME ATTACKING

WHEN DESTROYING THE SENERY, A PART OF THE FIELD GOES UP IN FLAMES. AT THAT TIME, WHEN A SPECIFIC MOTAL SKILL IS USED, ITS POWER IS DOUBLED WITH FLAMES!

TABLE OF MOTAL SKILLS

AFTER MOVING TO THE RIGHT SIDE, THE CONTROL OF THE JOYSTICK TURNS THE OTHER WAY.

