



# INSTRUCTION MANUAL

TAITO CORPORATION®

# [Precautions]

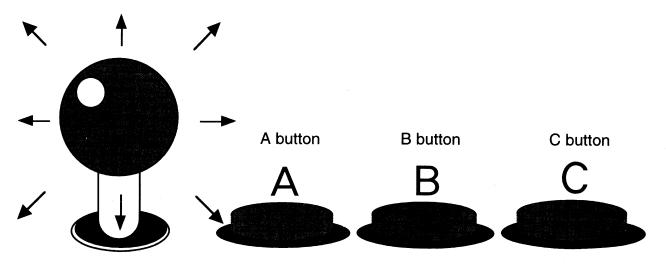
- Make sure to turn OFF the power prior to starting modification work.
- For edge connectors on the PC board, use JAMMA standard connectors (56 pin-edge connector with 3.96 mm pitch).
- After turning ON the power, adjust power source supplied to the PC board to the rated voltage at the connector position on the PC board.
- Do not handle the PC board where it may receive strong shock or moisture.

  Take utmost care not to damage the PC board with metal plate corners or edges inside the cabinet.
- Make sure to turn OFF the power before changing DIP switch settings.

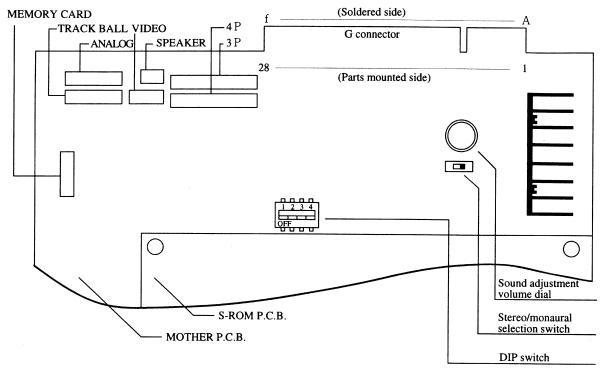
# [Specifications of the control panel]

- 1 x 2 eight directional lever
- 3 x 2 button switch

# Eight directional lever



# [Description of the PC board]

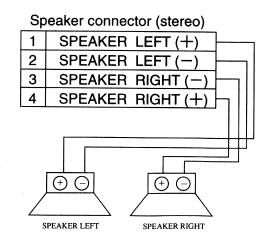


- Make sure to turn OFF the power before switching between STEREO and MONO. Switching while
  power is still turned ON may charge overload to the speakers.
- Only No. 4 DIP switch is used. Normally, set DIP switches 1 to 4 to OFF position. (If the DIP switch 4 is shifted to ON position and the power is turned ON, the machine enters test mode.)

# [Table of connector terminals]

G connector (JAMMA)						
Parts mounted side		Soldered side				
GND	1	Α	GND			
GND	2	В	GND			
+5V	3	С	+5V			
+5V	4	D	+5V			
	5	E				
+12V	6	F	+12V			
POST	7	Н	POST			
METER1	8	J	METER2			
LOCKOUT1	9	`Κ	LOCKOUT2			
SPEAKER(+)	10	L	SPEAKER(-)			
	11	М				
VIDEO R	12	N	VIDEO G			
VIDEO B	13	Р	SYNC			
VIDEO GND	14	R	SERVICE			
TEST	15	S	TILT			
COIN1	16	Т	COIN2			
SELECT1	17	U	SELECT2			
1P UP	18	٧	2P UP			
1P DOWN	19	W	2P DOWN			
1P LEFT	20	Х	2P LEFT			
1P RIGHT	21	Υ	2P RIGHT			
1P A BUTTON	22	Z	2P A BUTTON			
1P B BUTTON	23	а	2P B BUTTON			
1P C BUTTON	24	b	2P C BUTTON			
	25	С				
	26	d				
GND	27	е	GND			
GND	28	f	GND			

 By connecting two speakers with the speaker connectors as shown below, you can enjoy dynamic stereo sound.



# [Description of test mode]

[Test mode]

 To enter into TEST MODE, input the power while pressing the test switch at the side of the body or after turning ON the DIP switch 4 on the PC board.

[Note] If the machine enters test mode when credits remain, these credits will be cleared.

# TEST MODE MENU

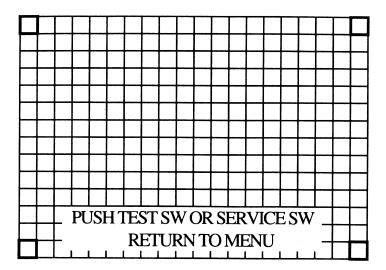
>MONITOR TEST
SWITCH TEST
CONFIGURATION
FACTORY SETTING
SOUND TEST
EXIT(RESET)

# Test mode main menu

• To select items, move the joystick up and down and press the 1P select button.

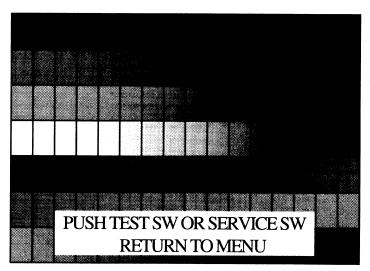
#### [Monitor test]

- Select MONITOR TEST and press the 1P select button, a cross-hatch screen appears on the monitor.
- Check distortion of the screen image with the cross-hatch display.



Cross-hatch

- Each press of the 1P side select button, the screen alternately changes between cross-hatch and color bar.
- · Check color display with color bar display.



Color bar

• Press the test switch or service switch to return to the main menu.

# [SWITCH TEST]

- This item checks input function of each switch.
- If an indication on the screen changes from OFF to ON by pressing the corresponding switch, the switch is normal.
- Press the test switch or service switch to return to the main menu.

# SWITCH TEST

COIN A:OFF COIN B:OFF

TILT: OFF

1P-START:0FF 2P-START:0FF

1P-UP : OFF 2P-UP : OFF

IP-DOWN:OFF 2P-DOWN:OFF

1P-RIGHT:0FF 2P-RIGHT:0FF

1P\_LEFT:OFF 2P\_LEFT:OFF

1P-BUTTON1:OFF 2P-BUTTON1:OFF

1P-BUTTON2:OFF 2P-BUTTON2:OFF

1P-BUTTON3:OFF 2P-BUTTON3:OFF

PUSH TEST SW OR SERVICE SW RETURN TO MENU

# [CONFIGURATION]

- · This item sets play fee and game contents.
- Select required item moving the 1P side lever and change setting contents by shifting the lever to left and right.

# **CONFIGURATION**

GAME STYLE:D(2P)

ATTRACT SOUND: WITH

AUDIENCE SOUND: WITH

CONTINUE PLAY: WITH

DIFFICULTY: NORMAL

1P PLAY TIMER :090SEC

2P PLAY TIMER :120SEC

COIN A:1COIN

/:1CREDIT

COIN B:1COIN

/:2CREDITS

PK BATTLE: WITH

**EXIT** 

# [Configuration list]

#### [ COMMON SETTING ]

	⋆ D(2P)		
GAME STYLE	E(1P)		
ATTRACT COUNT	⋆ WITH		
ATTRACT SOUND	WITH OUT		
411DIENIOE 0011ND	* WITH		
AUDIENCE SOUND	WITH OUT		
	* WITH		
CONTINUE PLAY	WITH OUT		
DIFFICULTY	SUPER EASY VERY EASY EASY NORMAL HARD VERY HARD SUPER HARD MANIA		
1P TIMER	* 90SEC		
2P TIMER	90SEC		
PK BATTLE	* WITH		
	WITH OUT		

#### [FOR NORTH AMERICA]

COIN A	* 1COIN	⋆ 1CREDIT			
	2COINS	2CREDITS			
	3COINS	3CREDITS			
	4COINS	4CREDITS			
		5CREDITS			
,		6CREDITS			
BUY-IN PRICE	* SAME AS PLAY				
	1COIN				
	2COINS				
	3COINS				

#### [ EXCEPT NORTH AMERICA ]

⋆ 1COIN	⋆ 1CREDIT
2COINS	2CREDITS
3COINS	3CREDITS
4COINS	4CREDITS
	5CREDITS
	6CREDITS
⋆ 1COIN	1CREDIT
2COINS	
3COINS	3CREDITS
4001110	4CDEDITO
4COINS	4CREDITS
4COINS	5CREDITS
	2COINS 3COINS 4COINS 1COIN 2COINS 3COINS

\* Factory setting

 Select EXIT, the message below appears on the monitor. Select whether or not to write the changed data. Shift the 1P side lever left and right to change between YES and NO.
 If you want to store the changed contents, select YES. If you do not, select NO. Then press the 1P side select button.

# CONFIGURATION SAVE MODIFIED DATA ARE YOU SURE? YES NO

# [FACTORY SETTING]

- This item resets all the set data to the factory setting conditions.
- Select YES or NO shifting the lever left and right, and press the 1P select button to determine selection.

FACTORY SETTING

SAVE MODIFIED DATA ARE YOU SURE? YES NO

# [SOUND TEST]

- This item adjusts loudness level of the sound and effect noise during the game.
- Select required item shifting the 1P side lever up and down, and change sound code and volume loudness value by shifting it left and right.
- Effect noise and BGM can be tested by selecting [SOUND CODE A] and [SOUND CODE B].
- Change sound code shifting 1P side lever left and right, and emit its sound by pressing the 1P side select button.
- Adjust loudness level by [VOLUME] bar. Change loudness level by shifting the 1P side lever left and right.

# SOUND TEST SOUND CODE A:00 SOUND CODE B:00

VOLUME MIN

MAX

# **EXIT**

Select EXIT and press the 1P side select button, the message below appears on the monitor. Select
whether or not to store the changed data. Shift the 1P side lever left and right to change between YES
and NO.

If you want to store the changed contents, select YES. If you do not, select NO. Then press the 1P side select button.

# SOUND TEST

SAVE MODIFIED DATA ARE YOU SURE? YES NO

# [EXIT (RESET)]

- Select EXIT shifting the 1P side lever up and down, and press the 1P side select button, the machine quits test mode. Now the machine can return to the game mode after reset.
- \* If the DIP switch is used to enter the test mode, the above procedure may again enter test mode after reset. Therefore, make sure to turn OFF the power and slide DIP switch 4 to OFF before selecting EXIT so that the machine will restore game mode.

