6-23-03?





9

Time Crisis 3 SD

OPERATION MANUAL

The actual product you have received may differ slightly from the illustration.



• To ensure safe operation of the product, be sure to read this Operation Manual before use.

• Keep this Operation Manual in a safe place for quick access.

NAMCO AMERICA

Important

Read PRECAUTIONS and INSTALLATION Sections before operating game

RF Notice

Note: This equipment uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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INTRODUCTION

Thank you for purchasing the "Time Crisis 3 SD" game machine (hereafter referred to as the "machine").

This operation manual describes:

- How to install, operate, relocate, transport, maintain and discard the machine safely and properly
- How to operate the machine correctly and make full use of its features
- How to ensure safety of players and bystanders

Inquiries concerning the machine and repairs

For further information about the machine and repairs, please contact your distributor.

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The DVD-ROM supplied with the machine must not be copied, converted, distributed publicly, or used for purposes other than the operation of the machine. The contents of the DVD-ROM are protected by copyright laws. Infringement of copyright laws may be subject to criminal penalties.

Do not use the supplied DVD-ROM with other product models or other media formats. Doing so may result in machine failure.

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11. WIRING DIAGRAM

2. SPECIFICATIONS

- (1) Rated power supply:
- 110 VAC (60 Hz)
- (2) Maximum power consumption: 368 W
- (3) Maximum current consumption: 4.5 A
- (4) Coin box capacity:
- (5) Display:

- Approx. \$1350 in US quarters
- 27-inch color monitor CGA x 2 units
- (6) Dimensions: (1) As installed:
 - ed: 62 (W) x 66 (D) x 87(H) in



- ② When divided: Front Assy
 - 62 (W) x 29 (D) x 62 (H) in



2. SPECIFICATIONS





Pedal Assy

10 (W) x 10(D) x 6 (H) in





- (7) Weight:
 - (1) As installed: 750 lbs

$\check{2}$	When divided:	
9	Front Assy	530 lbs
	Signboard Assy	53 lbs
	Control Assy	121 lbs
	Pedal Assy	13 lbs x 2 units

3. CHECKING THE PACKAGE CONTENTS

The product package contains the following parts when shipped.



Make sure all the parts shown below are included in the product package.
If parts are missing, contact your distributor.



Foot pedals will be packed in their own box, with brackets attached.

3. CHECKING THE PACKAGE CONTENTS

Accessory list

No.	Name	Specification		Qty
1	"Time Crisis 3 SD" Operation Manual (this manual)	take sum all the parts about balow a parts are missing, control your dist.		1
2	Coin mech door key	Inside coin return chute	and a	2
3	Coin box key	Hanging on coin mech wire hook		2
4	Torx wrench, T-25, T-27	T-25, T-27		3
5	Pedal BK (A)	Will ship installed on pedal		2
6	Pedal BK (B)	Will ship installed on pedal	(.). 	2
7	DVD-ROM	KA I	\bigcirc	2
8	Socket Hd bolt M5 x 12	Will ship installed on pedal.	<u>O</u> M	8
9	Socket Hd bolt 1/4-20x1/2"*	For pedal installation, Bracket to Base	(M)	8
10	Hex Hd cap screw 5/16 x 1"	Joint Assy to Control Assy	6 Luna	8
11	Hex Hd cap screw 5/16 x 1-3/4"	Joint Assy to Monitor Cab	A Mail	8
12	Torx bolt 10-24 x 1	For installation of Marquee	6) ²⁰	4
13	Power cord			1
14	Dongle	Createst class ebiening		2
15	Flat Washer, #10	50		4
16	Flat Washer 5/16	20 × 1	1	8

10

4. OVERALL CONSTRUCTION (Components and Their Names)



11

5. INSTALLATION

- Install the machine according to the instructions and procedures in this Operation Manual. Failure to follow the specified procedures may result in a fire, electric shock, injury, or equipment malfunction.
- Insert the power plug securely into the service outlet. Poor contact may cause overheating that can lead to a fire or burns.
- Install the machine securely to the floor by using the level adjusters. Unstable machine installation can result in accidents or injury. (See P. 16 "5-3-2 Adjusting the level adjusters.")

5-1 Installation conditions

5-1-1 Locations to avoid

NOTICE



• Do not install the machine at a location where bright light sources such as incandescent light and sunlight or bright flashing light shine directly onto the monitors, since they disallow the sensors from detecting the gun positions.

5-1-2 Play zone of installed machine

WARNING

• Set a play zone as illustrated in the diagram below to prevent contact between players and observers or passersby.



- A ceiling height of at least 8 ft is required.
- To facilitate maintenance work, provide a space of at least 20 in on the back side of the machine and from other equipment.



5-2 Required dimensions of carry-in passage (such as doors and corridors)

Front Assy	62 (W) x 29 (D) x 67 (H) in	Weight: 530 lbs	
 Signboard Assy 	60 (W) x 13 (D) x 18.5 (H) in	Weight: 53 lbs	
Control Assy	47 (W) x 21 (D) x 46 (H) in	Weight: 121 lbs	
 Pedal Assy 	10 (W) x 10 (D) x 6 (H) in	Weight: 13 lbs	



5-3 Assembly

5-3-1 Installing the Signboard Assy - To be conducted by a technician only -

WARNING

- The signboard unit weighs approximately 55 lb. It should be installed by at least two persons in an ample work space in order to prevent accidents.
 - 1

2

Position the Signboard Assy on the Cabinet Assy, and engage it with the signboard hooks.

Install the Signboard Assy using four supplied Torx bolts (10-24 x 1").





Connect the connector.



To disassemble, follow the above procedure in reverse.



NOTICE

1

2

5-3-2 Adjusting the level adjusters and connecting the monitor cabinets to the joint assemblies.

• Do not install the machine at a location where bright light sources such as incandescent light and sunlight or bright flashing light shine directly onto the monitors, since they disallow the sensors from detecting the gun positions.

After setting up the Assys in accordance with the directions in "5-1 Installation conditions" on page 12, and lower the level adjusters (2 locations) so that the casters are raised approximately 1/4" above the floor (casters should be able to rotate freely).



Install the eight supplied hex head cap screws (5/16-18 x 1-3/4") onto the front panels of the monitor (L) and (R) cabinets temporarily by leaving a 1/4" space between the front panel surface and the flange of each bolt. Remove the joint cover from the joint assembly. Place the joint assy onto the four bolts and tighten the bolts.



5-3-3 Connecting the Control Assy to Joint Assy

Adjust the level adjusters of the Control Assy so that it is at the same height as the Joint Assy.

Bring the Control Assy close to the Joint Assy. Connect the connectors, and install the Control Assy using eight hex hd bolts (5/16-18 x 1-3/4).



1

2

To disassemble, follow the above procedure in reverse.



5-3-4 Installing the Pedal Assys - To be conducted by a technician only -



1

The Pedal Assemblies are packed in a box.

Temporarily install the pedal brackets (A) and (B) to the Control Assy with four flange socket bolts $(1/4-20 \times 1/2")$.

Control Assy 0 1 Pedal bracket (A) Pedal bracket (B)

Flange socket bolt (1/4-20 x 1/2")

3

4

Connect the connector, and temporarily install the Pedal Assy with four flange socket bolts (M5 x 12).

Push down the Pedal Assy so that it contacts the floor, then tighten the eight flange socket bolts securely. (Make sure that there is no space between the Pedal Assy and floor.)





6

Install the Pedal Assy on the other side.

To disassemble, follow the above procedure in reverse.

5-4 Connecting the power cord and the ground

WARNING

Be sure to ground the machine using the following method. Failure to connect the ground conductor may cause an electric shock in the event of electric leakage. (1) Connect the ground conductor by using the 3-pin plug.

(1) With a 3-pin service outlet Simply insert the power plug.



5-5 Removing and reinstalling the rear panels

- To be conducted by a technician only -

WARNING

• To protect service staff and other people from an electric shock, accident and injury, and to prevent damage to electrical circuitry of the machine, always turn off the power switch before initiating the described task.



Remove the four screws, and unlock the lock located at the center of the rear panel using the provided key.





Open the rear panel on the other side.

3

To reinstall, follow the above procedure in reverse.

5-6 Switching on the power

1

After completing the procedures described in "5-3 Assembly" on page 15 and "5-4 Connecting the power cord and the ground" on page 22, turn on the power switch of the machine.



5-7 Inserting the DVD-ROM and DONGLE

1

3

- The DVD-ROM must be inserted with the power switch turned on. To prevent electric shock, accident and injury, do not touch sections other than those specified in the work procedures.
 - The supplied DVD-ROM is designed exclusively for this product. Never use the provided DVD-ROM in another product model. Also, do not insert a DVD-ROM that is not designed for this product. Failure to observe this caution can result in machine malfunctions.
 - Be careful of the tray as it automatically closes after about ten seconds.

After checking that the power switch is turned off, detach the rear panel. (See P. 21 "5-5 Removing and reinstalling the rear panels.")

- 2 Remove the Dongle Cover and insert the DONGLE into the plug on the left. Replace the Dongle Cover.
 - Turn on the power switch. (See P. 22 "5-6 Switching on the power.")

When the access lamp starts flashing after about 30 seconds, press the Eject button of the DVD-ROM drive to eject the tray.



5. INSTALLATION



Turn off the power switch. (See P. 22 "5-6 Switching on the power.")

7

8

- Reinstall the rear panel. (See P. 21 "5-5 Removing and reinstalling the rear panels.")
- Repeat the procedure to install the DVD-ROM in the other DVD-ROM drive, and Dongle into the other PCB Rack.

NOTICE

• Turn off the power switch, wait for more than 10 seconds, and then turn on the power switch again to commence operation. (See P. 22 "5-6 Switching on the power.")

6. MOVING AND TRANSPORTING

WARNING

• Do not leave the machine on a slope; otherwise, the machine may topple or cause unforeseen accidents.

6-1 Moving (on the floor)



- Always detach the Pedal Assys when moving the machine. (See P. 18 "5-3-4 Installing the Pedal Assys.")
- Always fully retract the level adjusters of the Front Assy when moving the machine even over a short distance. (See P. 16 "5-3-2 Adjusting the level adjusters.") (Do not adjust the level adjusters of the Control Assy.)
- The overall height of the machine is approximately 87 inches. Check the heights of access doors before moving.
 (When removing the Signboard Assy, refer to P. 15 "5-3-1 Installing the Signboard Assy.")
- To prevent machine damage, carefully move the machine.
- Do not drop the Gun Assys.
- Be careful not to get the tubes of the Gun Assys caught when moving.



6-2 Transporting

6-2-1 Manual transport (carrying up or down the stairs, etc.)

WARNING

 When moving the machine, always separate the Front Assy, Signboard Assy, Control Assy, and Pedal Assys. Failure to divide the machine before carrying may cause unforeseen accidents or injury. (See P. 15 "5-3 Assembly.")

 Manual carrying must always be conducted by the appropriate number of people specified below. Any attempt to carry components by an insufficient number of people may result in accidents or injury.

- Cabinet Assy (530 lb)
- Signboard Assy (53 lb)
 - : 2 persons or more

: 10 persons or more

: 3 persons or more

- Control Assy (121 lb)
- Handle the machine with care to prevent damage.
- Be sure to fully retract the level adjusters of the Front Assy. (See P. 16 "5-3-2 Adjusting the level adjusters.")
 - (Do not adjust the level adjusters of the Control Assy.)
- Do not drop the Gun Assys.
- Be careful not to get the tubes of the Gun Assys caught when moving.

6-2-2 Loading on or unloading from a vehicle

WARNING

- When moving the machine, always separate the Cabinet Assy, Signboard Assy, Control Assy, and Pedal Assys. (See P. 15 "5-3 Assembly.")
- When using a forklift to move or transport the Cabinet Assy, always lift at the position marked with fork position sticker. Positioning forks at other locations can cause the unit to topple and cause unexpected accidents.
- Do not use a forklift to transport the Control Assy since it is not designed to be lifted by a forklift. Using a forklift to move or transport the Control Assy can cause the unit to fall and result in unexpected accidents.
- Manual carrying must always be conducted by the appropriate number of people specified below. An attempt to carry components by an insufficient number of people may result in accidents or injury. (See P. 26 "6-2-1 Manual transport (carrying up or down the stairs, etc.).")
 - Front Assy (530 lb)
- : 10 persons or more
- Signboard Assy (53 lb) : 2 persons or more
- Control Assy (121 lb) : 3 persons or more

26



6-2-3 Trucking

WARNING

• When transporting the machine on a vehicle, secure the machine to prevent it from moving due to acceleration or deceleration of the vehicle. Failure to secure the machine may result in accidents.

7. OPERATION

WARNING

- Should any problem occur, turn off the power switch immediately and stop operating the machine. Then, unplug the power cord. Operating the machine without correcting a problem may cause a fire or accident.
- Dust accumulated on the power plug may cause a fire. Check the power plug regularly and remove dust.
- Insert the power cord into the service outlet securely. Poor contact may cause overheating that can lead to a fire or burns.
- Before operating the machine, check to make sure that the machine has been installed according to the instructions in this Operation Manual (see P. 12 "5. INSTALLATION"). If installed improperly, the machine can cause a fire, electric shock, injury or malfunction.
- The warning labels describe important precautions. Observe the following.
 - To make sure that the warning labels attached to the machine are easily legible, install the machine at a proper location with ample illumination and keep the labels clean at all times. Also, make sure that the labels are not hidden behind another game machine or other objects.
 - Do not remove or alter the warning labels.
 - If warning labels become dirty or damaged, replace them with new labels. To order warning labels, contact your distributor.

7-1 Pre-service check

Check the items described below before commencing operation. If any problem is found, take appropriate action by referring to P. 52 "8-2 Troubleshooting."

7-1-1 External check

WARNING

- Check the points listed below before operating the machine. These inspections are essential for prevention of accidents and injury.
 - Are all warning labels legible? (See P. 3 "1-4 Description of warning labels attached to the machine.")
 - Are all the level adjusters adjusted properly? (See P. 16 "5-3-2 Adjusting the level adjusters.")
 - Is there sufficient space for the play zone? (See P. 12 "5-1 Installation conditions.")
 - Are both ends of the gun tubes secured in place? Are they free of damage?
 - Are the gun screws securely tightened?
 - Is the Cabinet Assy connected securely to the Joint Assy and Control Assy?
 - Are the Pedal Assys installed securely to the Control Assy?
 - Is the Signboard Assy securely installed to the Cabinet Assy?

7-1-2 Operation check

• Turn on the power switch, and check the following items. (See P. 22 "5-6 Switching on the power.")



- Check the sound. (Is sound audible from all speakers?)
- Check the fluorescent lamp. (Is the fluorescent lamp in the Signboard Assy illuminated?)



Check the cold cathode tubes. (Are the cold cathode tubes illuminated in the Gun Tower Assys?)



- Check the displayed images. (Do the monitors display images properly?)
- To check the following items, press the Service switch and play the game. (See P. 31 "7-3-1 Adjustment switches.")



- Check the guns for proper operation.
- * Also, check the gun sight adjustments. (See P. 44 "7-4-9 Setting the gun sight (GUN INITIALIZE).")



Check the pedals for proper operation.



 Do not install the machine at a location where bright light sources such as incandescent light and sunlight or bright flashing light shine directly onto the monitors, since they disallow the sensors from detecting the gun positions.

7-2 How to play

By using the pedal, the player can hide behind an item to dodge shots from enemies and move out from behind an item to shoot enemies.

(1) Operation

- 1. Press the pedal Attack mode: The player can shoot the gun, and can also be shot.
- Release the pedal Hide mode: The player hides behind an item. Enemies' shots cannot reach the player. Releasing the pedal also reload the hand gun.

(2) Mode

- 1. Link play mode: Two players can play in a cooperative mode. The second player can join in the middle of a game.
- 2. Sole play mode: One player can play at a time. Another player cannot join in the middle of a game.
- * The mode can be selected on the Mode Select screen that appears immediately after coins are inserted.

(3) Game rules

1. The player loses one "life" when shot by an enemy.

When the time limit reaches zero, the player loses one "life."

The time limit extends when the player destroys all the enemies in front of him/ her, or receives attacks from enemies. The game ends when the player has no "life."

- The player's performance level is indicated by the score display. The higher the score, the better the performance.
- There are four types of weapons. The number of ammunitions is limited in all weapons except the hand gun. When the ammunitions run out, the weapon cannot be used. By hitting certain enemy characters, ammunition replenishing items appear on the screen.

The demonstration scene inserted between game segments can be skipped by shooting toward the screen.

No. check the gun sight adjustments. (Bea P. 44 77-4-9 Selling the gun eigh 30.0 MPTALICE) *

Charles for porticity for period of light

Go not theraft the machine at a location where blight light sources such as incendescent light and sunsight of bright floating light at the directly onto the monitors, since they disallow the scincors from detacting the gas positions

7-3 Adjustment

7-3-1 Adjustment switches

Open the service door of the Coin Box Assy to locate the adjustment switches.



(a) Service switch (red)

Press this switch to increase the credit count without activating the coin counter.

(b) Test switch

Set this switch to ON to activate the test mode.

The test mode is used to change parameters such as the game pricing, and conduct various tests. (See P. 32 "7-4 Test mode.")

(c) Select switch

Flick this switch up or down to select an item in the test mode.

(d) Enter switch

Press this switch to enter/execute the item selected with the Select switch.

(e) Degauss switch

Press this switch to demagnetize the monitor when the screen image become distorted by the earth's magnetism due to machine layout or building condition.



 Press the Service switch slowly and firmly. It may not operate if it pressed quickly.

7-4 Test mode

1

7-4-1 Description of the MENU screen

Unlock the service door with the supplied key, and set the Test switch to ON to activate the test mode. The MENU screen appears.

 When two players are playing the game in the link play mode, setting the Test switch on one side to ON returns the other unit (Test switch not set to ON) to the beginning of the current game area, and initializes the game conditions (score, weapon, number of ammunitions, number of lives).



MENU screen

Flick the Select switch up or down to select an item. The selected item flashes.



4

2

Press the Enter switch to confirm the selection.

After adjustment is completed, select "EXIT" and press the Enter switch. The display returns to the MENU screen.

5 After all adjustments are completed, set the Test switch to OFF. The display returns to the game screen.

• When there are machine problems or abnormalities, error messages are displayed at sections (a), (b) and (c).

(a) Error indications related to Link play

 An error message appears when there is an abnormality in the Link play function.

When an error message is displayed, the game does not operate properly. The number shown at the right of the message indicates the error type.

Numbers "1" and "2" indicate faults in a board (Game PC board board). (See P. 58 "8-3-1 (4) Replacing the Rack Assy.")

When any of these error numbers is shown, contact your dealer.

• Number "3" indicates that the software versions of the right and left units do not match. When this number appears, contact your dealer.

(b) Error indication related to difficulty level setting

 This error message is displayed when the DIFFICULTY levels in the right and left units do not match in the test mode.

When the error message is displayed, the game does not operate properly. Activate the GAME OPTIONS mode, and set the same difficulty level in the right and left units.

(c) Error indication for no internal battery power

 When this message is displayed, turn off the power switch and wait for about 10 minutes.

Then, turn on the power switch again and check to see if the MENU screen in the test mode displays the same error message. If the error indication appears even after repeating the above process two or three times, the remaining power of the internal battery may be too low or the battery may be faulty.

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••• probability of the second part of the second probability of the

in the beside statistic strain and even and statist statist statistics are statistic statistics and the statistics and the

Using the Select which, choose an item to be changed: The referent from dealers

After continuent the Auror selection, use the Select switch to niskle a change.

After changing the setting, press the Enter suitch to paten to the firm scienting forces.

select "EUT" and price the Enter stutch to return to the MERIC access.

7-4-2 Setting the game pricing and free play (COIN OPTIONS)

The COIN OPTIONS screen is used to set the game pricing and free play.

1

Select "COIN OPTIONS" on the MENU screen and press the Enter switch. The COIN OPTIONS screen appears.

(00	COIN OPTIONS [DEFAULT IN GREEN]	
	GAME COST ··· 2• COIN(S) • 1 • CREDIT ··· CONTINUE COST • 1• COIN(S) • 1 • CREDIT ···	(a) (b)
	FREE PLAY••• NO	(c)
	EXIT	
	SELECT SW:CHOOSE ENTER SW:ENTER	
	SELECT SWICHOUSE ENTER SWIENTER	

COIN OPTIONS screen

COIN OPTIONS settings table

Option	Description	Default
(a) GAME pricing	Number of coins required for one game play (1 coin to 9 coins)	2
(b) CONTINUE game pricing *1	Number of coins required for one Continue play (1 coin to 9 coins)	1
(c) FREE PLAY pricing *2	NO (No free play) YES (Free play)	NO

*1 The CONTINUE game pricing cannot be set higher than the GAME pricing setting. When increasing the GAME pricing and CONTINUE game pricing, increase the GAME pricing setting first.

*2 When the FREE PLAY setting is set to YES, pressing the pedal starts the game.

2 Using the Select switch, choose an item to be changed. The selected item flashes.

3 Press the Enter switch to confirm the item selection.

4 After confirming the item selection, use the Select switch to make a change.

5 After changing the setting, press the Enter switch to return to the item selection screen.

Select "EXIT" and press the Enter switch to return to the MENU screen.

6

7-4-3 Setting the game options (GAME OPTIONS)

1

4

The GAME OPTIONS screen is used to set game options.

Select "GAME OPTIONS" on the MENU screen and press the Enter switch. The GAME OPTIONS screen appears.



GAME OPTIONS settings table

Option	Description	Default
(a) Link status indication	(See P. 36 "7-4-4 I/O tests for switches (I/O	TEST).")
(b) Player's LIFE setting	Number of player's lives at start of game 1 to 9	4
(c) DIFFICULTY level setting	A (Very easy) B (Easy) C (Medium) D (Hard) E (Very hard)	C (Medium)
(d) HIT COLOR setting	Red/green	Red
(e) HIGH SCORE Initialization	To clear high score data stored in memory and restore default settings, select "YES" and press Enter switch.	

- 2 Using the Select switch, choose an item to be changed. The selected option flashes.
- 3 Press the Enter switch to finalize the item selection.
 - After confirming the item selection, use the Select switch to make a change.
 - After changing the setting, press the Enter switch to return to the item selection screen.

6 Select "EXIT" and press the Enter switch to return to the MENU screen.

* If the (c) DIFFICULTY level settings for the right and left units do not match in the test mode, the game does not operate properly.

Be sure to set the same DIFFICULTY level for the right and left units in the test mode.

7-4-4 I/O tests for switches (I/O TEST)

The I/O TEST screen is used to test the input and output of each switch.

Select "I/O TEST" on the MENU screen, and press the Enter switch. The I/O TEST screen appears.

DIP• :1234• [ON:RED]	(a
LINK AS• : 1• (LEFT)	
I/O PCB CHECK	
EXIT	
SELECT SW:CHOOSE ENTER SW:ENTER	
I/O TEST screen	

The selected item flashes.



1

Press the Enter switch to display the test screen of the selected (flashing) item.

Select "EXIT," and press the Enter switch to return to the MENU screen.

(a) DIP switch settings

Indicates the settings of the DIP switches on the Game PC board.
 Switches indicated by red numbers are set to ON. (All DIP switches are set to OFF before shipment.)

• The DIP switches are should be set to OFF for normal operation.

(b) Link check

- Indicates the communication status.
 - · LINK:

Link check table 1

Indication	Communication status
ON2	Normal
OFF *	Data not received.
NG*	Unknown data received.

· LINK AS:

Link check table 2

Indication	Internal setting	
1 (LEFT)	Left screen as viewed from front	
2 (RIGHT)	Right screen as viewed from front	
* When "LINK OFF" or "LINK NG" is displayed, the game does not operate properly. If an combination other than that shown in the communication check table 2 is displayed, the game does not operate properly.

The board (Game PC board) may be defective. Contact your dealer.

 When one unit is under repair and only one Game PC board is used, the machine cannot operate in the Link Play mode. (See P. 30 "7-2 (2) Modes.")

(c) I/O PCB CHECK

The I/O PCB CHECK screen is used to check the I/O board.

· Press the Enter switch to return to the I/O TEST screen.



(d) GUN INITIALIZE

The GUN INITIALIZE screen is used to adjust the gun sight. See P. 44 "7-4-9 Setting the gun sight (GUN INITIALIZE)."

(e) SWITCH TEST

The SWITCH TEST screen is used to test the switches.

The SWITCH TEST screen indicates the switch conditions.

I/O TEST	1999	
	:RED]	
LINK• :ON 2		a participante a construction de la construcción de la construcción de la construcción de la construcción de la
LINK AS• : 1• (LEF	FT)	de temas servis
SWITH TEST		
COIN	0	(a)
 SERVICE• 	OFF	جــــــــــــــــــــــــــــــــــــ
 TEST• 	ON	(C)
UP SELECT•	OFF	(d)
 DOWN SELECT• 	OFF	(e)
ENTER	OFF	(f)
GUN TRIGGER	OFF	(g)
FOOT PEDAL	OFF	(h)
UP SELECT SW + ENTER	R SW:E	Т
SWITCH TEST sc	reen	

1

When each switch is operated, the corresponding indication changes.

- 2 (a) Increments each time the Coin switch is activated.
 - (b) Changes to ON when the Service switch is pressed.
 - (c) The Test switch is ON because the machine is in the Test mode.
 - (d) Changes to ON when the Select switch is flicked up.
 - (e) Changes to ON when the Select switch is flicked down.
 - (f) Changes to ON when the Enter switch is pressed.
 - (g) Changes to ON when the trigger of the gun is pulled.
 - (h) Changes to ON when the pedal is depressed.

3

Press the Enter switch while the Select switch is flicked upward to return to the I/O TEST screen.

(f) SOLENOID TEST

I/O TEST DIP• :1234• [ON:RED] LINK• :ON 2 LINK AS• : 1• (LEFT) SOLENOID TEST • PULL GUN TRIGGER TO ACTION • EXIT SELECT SW:CHOOSE ENTER SW:ENTER SOLENOID TEST screen

The SOLENOID TEST screen is used to test the gun blowback mechanism.

1

2

When the trigger of the gun is pulled, the gun blowback mechanism operates.

Select "EXIT" and press the Enter key to return to the I/O TEST screen.

7-4-5 Monitor test (MONITOR TEST)

The MONITOR TEST screen is used to adjust the monitor settings.

Select "MONITOR TEST" on the MENU screen, and press the Enter switch. The MONITOR TEST screen appears.



2

1

Using the Select switch, choose an item. The selected item flashes.



4

Press the Enter switch to display a pattern screen. To exit from the pattern screen, press the Enter switch again.

- (a) Displays the gradation pattern.
- (b) Displays the cross-hatching pattern.
- (c) Displays the adjustment screen.
- (d) Displays a white screen.

Select "EXIT" and press the Enter switch to return to the MENU screen.

7-4-6 Sound test (SOUND TEST)

1

2

3

The SOUND TEST screen is used to adjust the sound volume and check the stereo sound.

Select "SOUND TEST" on the MENU screen, and press the Enter switch. The SOUND TEST screen appears.

SOUND TEST [DEFAULT IN GREEN]	
VOLUMEGAME $[0 \sim 15]$ 7ATTRACT $[0 \sim 15]$ 7OUTPUTLEVELLEFT100%RIGHT((((())))))REQUESTSONGNO.000	(a) (b) (c) (d)
MESSAGE: EXIT SELECT• SW•CHOOSE ENTER SW:ENTER SERVICE• SW•REQUEST• ON/OFF	(e)



Using the Select switch, choose an item to be changed. The selected item flashes.

Select item (a), (b), (c), or (d), and press the Enter switch. The numeric indication of the selected item flashes.

Flick the Select switch up or down to change the value.

SOUND TEST settings table

Option	Description	Default
(a) Game sound volume setting	00 (minimum) - 15 (maximum)	7
(b) Attract mode sound volume setting	00 (minimum) - 15 (maximum)	7
(c) Right/left speaker output level setting		100%
(d) Music selection		000

4

In the case of item (d), every time the Enter switch is pressed, the adjusting digit changes.

Use the Select switch to adjust each digit and set a number.

When the Service switch is pressed, the music or sound effect corresponding to the selected number is produced.

* Set "000" for no sound, and "001" for a stereo sound test.

When "001" is set and the Service switch is pressed, sound is produced from the left speaker, right speaker, and both speakers at the same time, in that order. During this speaker test, "LEFT," "RIGHT," or "CENTER" is displayed at section (e) in accordance with the speaker operation.



Select "EXIT" and press the Enter switch to return to the MENU screen.

7-4-7 Displaying and initializing game data (BOOKKEEPING)

The BOOKKEEPING screen displays various game data.

- **1** Select "BOOKKEEPING" on the MENU screen, and press the Enter switch. The BOOKKEEPING screen appears.
- 2 Game data is not erased when the power switch is turned off. To delete data, execute "BOOKKEEPING INITIALIZE" or "BACKUP MEMORY INITIALIZE" on the "OTHERS" screen.



After checking game data, select "EXIT" and press the Enter switch. The display returns to the MENU screen.

See the value of them (d), show terms the firster states to pressed, the adjusting digit intervers.

stational a first break which there is it in the set of the

 When the Seales exists a process, the mode or sound, pract conceptuality to the protocol matched is obtacket.

ed basics objects a fet "100" bas, fronts on tot. The lease

Referre TOT is relyined the Bervice evolution processes, source expendence form, the children autor operation, and built appreciant at the parce form, in link mode During the specified and "LETT" RIGHT, or "CEMPER" is allopinged at sources (a) in accurizance with the energific controlom.

escole UNEEN and of models of Active heads and cases and "Dive" (1968) 🛒

7-4-8 Others (OTHERS)

The OTHERS screen is used to initialize the backup memory and others.

Select "OTHERS" on the MENU screen and press the Enter switch. The OTHERS screen appears.

1949 - A.				
[DEF	OTHERS AULT IN GRE	EEN]		
ROM1•Ver.A•	07/07/2001•	SAT• 21:15:59	4	— (a)
ROM2•Ver.A•	06/20/2001•	WED•21:15:59	4	— (b)
CLOCK••	08/31/2001•	FRI• 23:11:12	4	— (c)
S/N••	000000-1234	56 🚽 🚽		— (d)
• LANGUAGE ••••	JPN			— (e)
• CABINET ••	LINKED	4		— (f)
CDVD CHECK				— (g)
BACKUP MEM	ORY INITILIZE			— (h)
• EXIT				
SELECT SW:C	HOOSE EN	TER SW:ENTER	13	
C	THERS scre	en		



2

Using the Select switch, choose an item to be executed. The selected item flashes.

(a) Displays the version of the program ROM1.

(b) Displays the version of the data ROM2.

(c) Displays the current time of the internal clock.

(d) Displays the serial number of the software.

- (e) Used to select the language shown in the game attract mode. (For overseas version. Only Japanese language is available in domestic model.)
- (f) Sets either communication cabinet mode or single cabinet mode. (Set to "LINKED" for normal operation.)
- (g) Checks data. (Not used in normal operation)

(h) Initializes the backup memory.

When "YES" is selected and the Enter switch is pressed, all settings such as the gun sights and HIGH SCORE data are cleared and return to default settings.

When the software versions of the right and left units displayed by item (a) in the test mode do not match, the game does not operate properly. Contact your dealer.



Press the Enter switch to execute the flashing item.



Select "EXIT" and press the Enter switch to return to the MENU screen.

7-4-9 Setting the gun sight (GUN INITIALIZE)

The GUN INITIALIZE screen is used to set the gun sight.

Select "GUN INITIALIZE" on the I/O TEST screen, and press the Enter switch. (Or hold the Service switch pressed and set the Test switch to ON.) The GUN INITIALIZE screen (Figure 1) appears.



Figure 1 GUN INITIALIZE screen 1

2

1

The screen shown in Figure 1 is used to adjust the gun sight. The gun crosshair is displayed at the point on the screen at which the gun is pointed. Check that the gun crosshair appears exactly at the point aimed at. (Make sure that aiming is accurate over the entire screen frame from edge to edge.) When the gun crosshair is displayed outside the screen, "- OUT OF SCREEN -" is displayed in yellow at section (a). When the gun is pointed away from the screen, "+ OUT OF SCREEN +" is dis-

played in red at section (a).



4

Press the Enter switch to return to the I/O TEST screen.

When the Service switch (or pedal) is pressed while the screen in Figure 1 is shown, the display changes to the screen shown in Figure 2 for the gun sight adjustment. The gun sight adjustment is performed by shooting at the center of the screen.



 On the screen shown in Figure 1, make sure that aiming is accurate from edge to edge of the screen frame.

If the gun sight is not accurate or "- OUT OF SCREEN -" appears frequently, press the Service switch (or pedal) to display the screen shown in Figure 2, and repeat the adjustment procedure.



* Set the Test switch to OFF to return to the game screen.

- Observe the following points when adjusting the gun sight.
- Hold the gun and aim so that the top edge of the rear sight is at the same height as the horizontal line of the crosshair displayed on the screen.
- Also, align the top edge of the front sight with the horizontal line of the crosshair on the screen.
- Align the center of the top sections of the front and rear sights of the gun with the center of the crosshair on the screen, and fire the gun.



7-5 Cleaning

NOTICE

7-5-1 Cleaning the Gun Assy lenses

- Clean the gun lenses everyday to maintain gun accuracy. Use a clean soft cloth to wipe the lenses.
 - Do not use detergents or chemicals to clean the lenses.
 - Be careful not to scratch the lenses.

8. MAINTENANCE

WARNING

• Before conducting maintenance (troubleshooting, repair, etc.), turn off the power switch to protect the service staff and other people from electric shock, accidents and injury.

8-1 Maintenance and inspection

WARNING

- Conduct maintenance regularly to prevent unexpected accidents.
- Conduct a pre-service check everyday to prevent accidents. (See P. 29 "7-1 Preservice check.")

8-1-1 Inspection items

Be sure to check the following regularly after conducting the inspections described in "7-1-2 Operation check" on page 29.

(1) Inspection of the level adjusters

1. Make sure that the machine is installed securely. (See P. 16 "5-3-2 Adjusting the level adjusters.")

(2) Inspection of the power plug

- 1. Make sure that the power cord is connected securely to the Cord Box Assy and service outlet.
- 2. If the connector section is covered with dust, clean.
- Check the power cord for cracks and dirtiness. If there is any abnormality in the power cord, be sure to replace it with a new cord.

(3) Inspection of bolts for tightness

Check the following bolts for tightness. If they are loose, tighten firmly.

- 1. Signboard Assy mounting bolts (See P. 15 "5-3-1 Installing the Signboard Assy.")
- Control Assy mounting bolts (See P. 17 "5-3-3 Connecting the Cabinet Assy to the Joint Assy.")
- 3. Pedal Assy mounting bolts (See P. 18 "5-3-1 Installing the Pedal Assys.")



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8. MAINTENANCE

7

4 Remove the two washer nuts (M4), and remove the microswitch.

5 Remove the four washer nuts (M4) from the holder, and lift up the holder by pulling the plunger.

6 Wipe grease off the surface of the plate on the pedal side.

Apply grease to the plate and the plunger spherical surface.Designated grease: Albania grease No. 2 (Showa Shell)



Follow the disassembly procedure in reverse to assemble the Pedal Assy. (Regarding microswitch adjustment, refer to P. 70 "8-3-5 (1) Replacing the microswitch.")

9

8

Repeat the same procedure for the other Pedal Assy.



P. 71 "8-3-5 (2) Replacing the plunger.")

4

Repeat the same procedure to check the other Pedal Assy plunger.

8-2 Troubleshooting

WARNING

- To protect service staff and other people from an electric shock, accident and injury, and to prevent damage to electrical circuitry of the machine, always turn off the power switch before initiating the described task.
- If the problem does not apply to any symptom listed "8-2-1 General," or if the action taken does not result in an improvement, turn off the machine immediately to stop machine operation, and contact your dealer. Operating the machine without correcting a problem may cause a fire or accident.



- In the event of a problem, first check to make sure that all connectors are firmly connected.
- For a repair of a PC board, contact your distributor. Never attempt to check the board for continuity using a tester. Internal voltage of the tester can damage ICs on the board.
- When sending parts for a repair, pack components carefully. When sending the Game PC board, wrap in sponge or bubble wrap, and pack in a corrugated cardboard box to protect against shock.
- The PC boards can be easily damaged by static electricity. Handling of a PC board by a person charged with static electricity can damage parts on the PC board. Before touching the PC boards, be sure to remove static electricity from your body by touching a grounded metal.

8-2-1 General - To be conducted by a technician only -

 Before suspecting a problem, check to make sure that all connectors are firmly connected.

Symptom	Main cause	Action	Page
The machine operation is unstable, or the machine malfunctions.	The supply voltage is outside the range of 90 to 110 VAC.	Disconnect large capacity electrical equip- ment (such as air conditioners and large ride machines) on the same power line to secure the necessary voltage level.	
The machine turns off during operation.	The circuit protector inside the power switch has tripped and turned off the power switch in the event of an abnormal current flow.	the necessary voltage level. Turn on the power switch again. If the circuit protector trips frequently, the machine needs a repair.	22

P. M. S. S. (2) Replacing the parents.]

Present the same processing to check the other Padal Assay clama.

Symptom	Main cause	Action	Page
The monitor does not display a picture.	The monitor connector is disconnected from the Rack Assy connector.	Open the rear panel, and reconnect the connectors.	58
There is no sound from	Sound volume is too low.	Adjust the sound level.	41
the speakers.	The pBASS AMP PC board is defective.	Replace the pBASS AMP PC board.	57

8-2-2 Cabinet Assy - To be conducted by a technician only -

8-2-3 Signboard Assy - To be conducted by a technician only -

Symptom	Main cause	Action	Page
The fluorescent lamp does not light.	The connector is discon- nected.	Reconnect the connector.	15
nicles firmly	The fluorescent lamp is burnt out.	Replace the fluorescent lamp.	59
nitais.	dive. Replace the micro	leo a fotuación	

8-2-4 Gun Tower Assy - To be conducted by a technician only -

Symptom	Main cause	Action	Page
The cold cathode tube does not turn on.	The connector is discon- nected.	Reconnect the connector securely.	61
Action Math	The cold cathode tube is burnt out.	Replace the cold cathode tube.	61
361067	The Inverter PC board is defective.	Replace the Inverter PC board.	63

Symptom	Main cause	Action	Page
The gun does not shoot	The lens is dirty.	Clean the lens.	47
correctly.	Microswitch is defective.	Replace the microswitch	67
jej	The gun has not been initialized correctly.	Repeat initialization.	44
trad of 964		anticellate a	
- ytao	Surrounding is too bright.	Block the external light.	
Action		iverprovid	U
		ideas part spile intercontractor as the deas part spile intercent	
The Gun Assy does not operate.	The connector is discon- nected.	Reconnect the connector firmly.	60
	Microswitch is defective.	Replace the microswitch.	68
The gun blowback mechanism does not	The connector is discon- nected.	Reconnect the connector.	67
operate.	The solenoid is worn.	Replace the solenoid.	67

8-2-5 Gun Assys - To be conducted by a technician only -

8-2-6 Pedal Assys - To be conducted by a technician only -

Symptom	Main cause	Action	Page
The pedal does not function properly.	Microswitch is defective.	Replace the microswitch.	70
	The connector is discon- nected.	Reconnect the connector.	18
	The plunger is worn out.	Replace the plunger	71

8-3 Disassembly, reassembling and replacing the Assys and parts

8-3-1 Front Assy - To be conducted by a technician only -

(1) Removing and reinstalling the monitor bezel



 To protect service staff and other people from an electric shock, accident and injury, and to prevent damage to electrical circuitry of the machine, always turn off the power switch before initiating the described task.



• Handle the monitor bezel with care.



2

Remove the two Torx bolts, and dismount the bezel bracket .

Remove the screws from the upper edge of the bezel, and pull the lower section of the bezel forward. Hold both sides of the bezel with hands to remove.





4

To reinstall, follow the above procedure in reverse.

Repeat the same procedure for the other unit.



56

(3) Replacing the pBASS AMP PC board

WARNING

 To protect service staff and other people from an electric shock, accident and injury, and to prevent damage to electrical circuitry of the machine, always turn off the power switch before initiating the described task.

Remove the rear panel. (See P. 21 "5-5 Removing and reinstalling the rear panels.")

2

Disconnect the two connectors, the RCA connectors, pinch the top of the nylon stand offs to release them , and dismount the pBASS AMP PC board.



To reassemble, follow the above procedure in reverse.

Repeat the same procedure for the other unit.



5

- To prevent damage to electrical circuits, check the direction of the connectors before connecting.
- The PC boards can be easily damaged by static electricity. Handling of a PC board by a person charged with static electricity can damage parts on the PC board. Before touching the PC boards, be sure to remove static electricity from your body by touching a grounded metal.





Repeat the same procedure for the other unit.

After replacement, check the operation and settings. (See P. 32 "7-4 Test mode.")



- To prevent damage to electrical circuits, check the direction of the connectors before connecting.
- Be sure to turn off the power switch after the access lamp on the DVD-ROM drive turns off. If the power switch is turned off before the access lamp turns off, the internal mechanism may not lock in place and can become damaged during transportation.
- The PC boards can be easily damaged by static electricity. Handling of a PC board by a person charged with static electricity can damage parts on the PC board. Before touching the PC boards, be sure to remove static electricity from your body by touching a grounded metal.

- 8-3-2 Signboard Assy To be conducted by a technician only -
 - (1) Replacing the fluorescent lamp
- WARNING To protect service staff and other people from an electric shock, accident and injury, and to prevent damage to electrical circuitry of the machine, always turn off the power switch before initiating the described task. **CAUTION** The fluorescent lamp becomes hot. Exercise caution when removing. Be extra careful when replacing the fluorescent lamp since it involves working at a height. 1 Remove the ten Torx bolts (10-24 x 1/2), and dismount the signboard panel. Remove the fluorescent lamp (40 W). 2 Torx bolt (10-24 x 1/2") Signboard panel Fluorescent lamp (40 W) TAT

To reinstall, follow the above procedure in reverse.

3

0

namco

8-3-3 Gun Tower Assys - To be conducted by a technician only -(1) Removing and reinstalling the control panel WARNING • To protect service staff and other people from an electric shock, accident and injury, and to prevent damage to electrical circuitry of the machine, always turn off the power switch before initiating the described task. Remove the six Torx bolts (10-24 x 1/2), disconnect the connector, and detach the 1 control panel. 2 To reinstall, follow the above procedure in reverse. Torx bolts (10-24 x 1/2) E 9 10 Control panel Connector 17 C 3 Repeat the same procedure for the other unit.



61





Repeat the same procedure for the other unit.



 Be sure to reinstall the window cover in the correct direction so that the warning label can be read. (3) Replacing the Inverter PC board



 To protect service staff and other people from an electric shock, accident and injury, and to prevent damage to electrical circuitry of the machine, always turn off the power switch before initiating the described task.

> Detach the control panel. (See P. 60 "8-3-3 (1) Removing and reinstalling the control panel.")



1

Disconnect the two connectors, remove the two Phillips round-head screws (4-40 x 1/2), and dismount the Inverter PC board.



8-3-4 Gun Assys - To be conducted by a technician only -

(1) Replacing the Gun Assy



- To protect service staff and other people from an electric shock, accident and injury, and to prevent damage to electrical circuitry of the machine, always turn off the power switch before initiating the described task.
 - Detach the control panel. (See P. 60 "8-3-3 (1) Removing and reinstalling the control panel.")
 - From the back side of the control panel, remove the two washer nuts (M6) that are holding the Gun Assy in place.
 - 3 F

1

2

Pull up the connector cover, and remove the Gun Assy.





To install, follow the above procedure in reverse.



Repeat the same procedure to remove the other Gun Assy.

- NOTICE
- After the Gun Assy is replaced, be sure conduct adjustment. (See P. 44 "7-4-9 Setting the gun sight (GUN INITIALIZE).")

(2) Opening the gun slide

1

WARNING

 To protect service staff and other people from an electric shock, accident and injury, and to prevent damage to electrical circuitry of the machine, always turn off the power switch before initiating the described task.

Remove the four cap bolts (M3 x 10), one button-head bolt (M4 x 25), and one hexagonal cap nut (M4), and then dismount the gun slides (L) and (R).





To reinstall, follow the above procedure in reverse.

 To relatell, follow the above procedure in revenus, flota the direction of the lane when relatelling. (Convex surface should face ine barrel muscle.)





3

To reinstall, follow the above procedure in reverse. Note the direction of the lens when reinstalling. (Convex surface should face the barrel muzzle.)



Note the direction of lens . (Convex surface should face the barrel muzzle.)



To reinstall, follow the above procedure in reverse. During reassembly, align the Dshaped hole of the solenoid bracket with the D-shaped part of the solenoid. Also, install the E-shaped snap rings and rubber spacers in the specified positions.

(5) Replacing the microswitch

















To reinstall, follow the above procedure in reverse. (Regarding microswitch adjustment, refer to P. 70 "8-3-5 (1) Replacing the microswitch.")



Repeat the same procedure for the other unit.

9. DISCARDING THE MACHINE

WARNING

- The machine must be collected, transported and discarded in accordance with the local laws and regulations.
- When entrusting a third party to collect, transport and discard the machine, be sure to use specialist companies to perform each task.
- Do not remove the lenses from the Gun Assys when discarding the machine. Detached lenses can converge sunlight, causing a fire, blindness or burns.



 When discarding the machine, break the DVD-ROM supplied with the machine into two to prevent reuse, and discard together with the machine.

The DVD-ROM supplied with the machine must not be copied, converted, distributed publicly, or used for purposes other than the operation of the machine. The contents of the DVD-ROM are protected by copyright laws. Infringement of copyright laws may be subject to criminal penalties.

Do not use the supplied DVD-ROM with other product models or other media formats. Doing so may result in machine failure.

To remeted, follow the phone procedure in reverse, (Rougerding microsealth, palitatment, reter to P. 71 (2, 1, 5, 11) Replacing Sector and an anti-

No total ine cama properties for the clinar wh
10. PARTS LIST

10-1 Monitor Base Assy



No.	Name	Qty	NAI Part No.	No.	Name	Qty	NAI Part No.
1	Monitor cabinet	2	TI63-10681-00	13	Leg leveler	8	
2	Speaker cover	2	TI10-10687-00	14	Caster, swivel	8	VG24-05309-00
3	Bezel bracket (U)	2	TI10-10682-00	15	Power Sply, 12V	2	VG88-07671-00
4	Woofer cover	2	TI10-10575-00	16	Rack Assy	2	TI05-10643-00
5	Monitor bezel	2	VG95-10455-00	17	P-Bass pcb	2	VG15-10674-00
6	Marquee bracket	4	TI10-10577-00	18	Monitor, 27" CGA	2	VG85-10562-00
7	Decal, Side Cab Left	1	TI40-10676-00	19	Speaker	4	VG54-09405-01
8	Decal, Side Cab Right	1	TI40-10676-01	20	Woofer	2	VG54-10625-00
9	Decal, Front CabLeft	1	TI40-10678-00	21	Transformer	1	VG56-10655-00
10	Decal, Front Cab Right	1	TI40-10678-01	22	RCA cable	2	VG50-06872-00
11	Fork Position Label	2	VG40-06882-00	23	IEEE cable	1	VG50-09714-00
12	Label, Warning, Hi Volt	2	VG40-10599-00	24	USB cable		





A-A



No.	Name	Qty	
25	Operation manual	1	TI45-10644-00
26	Power cord	1	
27	Pipe duct	2	VG54-07830-01



19-00270-4259			

No. Name		Qty	NAI Part No.		
1	Marquee box	1	TI10-10680-00 Left;	TI10-10680-01 Right	
2	Marquee base	2	TI10-10679-00		
3	Panel pin	10	TI10-10581-00		
4	Marquee panel, silkscreen	1	TI40-10570-00		
5	Fluorescent lamp fixture	1			
6	Fluorescent tube	1			



No.	Name	Qty	NAI Part No.
1	Rack Assy	2	TI05-10643-00
2	Dongle card	2	TI05-10646-00
3	DVD drive	2	VG84-10453-00
4	Dongle cover	2	VG10-10671-00



No.	Name	Qty	NAI Part No.
1	Coin box	2	TI10-10684-00
2	Gun Tower	2	TI10-10686-00
3	Pedal bracket (A), Left	2	TI10-10685-00
4	Pedal bracket (A), Right	2	TI10-10685-01
5	Decal, Gun Tower, Left	1	TI40-10566-00
6	Decal, Gun Tower, Right	1	TI40-10566-01
7	Leg Leveler	4	
8	Stationary caster	4	
9	Gun holder	2	TI10-10588-00
10	Grill	2	TI10-10683-00
11	Control panel	2	TI10-10591-00

10-4 Coin & Gun Tower Assy (cont'd)

No.	Name	Qty	NAI Part No.
12	Lamp base	1	TI10-10592-00
13	Square pipe guard	1	TI96-10597-00
14	Holder, lamp	2	VG20-10634-00
15	Label, Warning	2	VG44-05532-00
16	Cold cathode tube, left or right	2	TI57-10628-00
17	Inverter pcb	2	TI15-10627-00





10-5 Gun Assy (cont'd)

Gun Assy, Pink w/Harness PB03-03141-00

Gun Assy, Blue w/Harness PB03-03141-01

No.	Name	Qty	NAI Part No.	
1	Gun Cover, Left, Pink	1	PB09-03430-00	
1	Gun Cover, Right, Pink	1 PB09-03431-00		
1	Gun Cover, Left, Blue	1	PB09-03432-00	
1	Gun Cover, Right, Blue	1	PB09-03433-00	
2	Trigger spring	1	PB09-296-241	
3	Trigger, Pink	1	PB90-04836-00	
3	Trigger, Blue	1	VG90-04931-00	
4	Solenoid	2	PB09-004-056	
5	Gun harness assembly	1	PB09-296-401 17500 BRISON	
6	Connector cover	1	PB90-05447-00	
7	Gun Slide, Left, Pink	1	PB09-03426-00	
8	Gun Slide, Right, Pink	1	PB09-03427-00	
9	Gun Slide, Left, Blue	1	PB09-03428-00	
10	Gun Slide, Right, Blue	1	PB09-03429-00	
11	Slide Rail		PB10-04835-00	
12	Rubber Spacer	2	VG95-04942-00	
13	Bracket, Slide Guide	1	PB10-04670-00	
14	Back Spring	1	PB09-296-420	
15	Lens	1	PB09-296-426	
16	Gun Sensor PCB	1	PB09-296-467	
17	Microswitch	1	PB09-000-228	
18	Bracket, Solenoid	1	PB10-04669-00	
19	Gun Hardware Kit	1	PB21-04904-00	
	Tether Chain Assy w/o plate	1	TS05-07798-01(not shown)	

10-6 Pedal Assy

No.	Name	Qty	NAI Part No.
1	Holder	1	TC80-04671-03
2	Plunger	1	TC80-04671-05
3	Spring A	1	TC80-04671-08
4	Spring B	1	TC80-04671-09
5	Switch stay	1	TC80-04671-11
6	Microswitch	1	TC80-04672-03



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WARRANTY

Seller warrants that its printed circuit boards and parts thereon are free from defects in materials and workmanship under normal use and service for a period of ninety (90) days from the date of shipment. Seller warrants that its video displays (in games supplied with video displays) are free from defects in material and workmanship under normal use and service for a period of thirty (30) days from the date of shipment. None of the Seller's other products or parts thereof are warranted. Seller's sole liability shall be, at its option, to repair, replace, or credit Buyer's account for such products which are returned to Seller during said warranty period, provided:

- Seller is promptly notified in writing upon discovery by Buyer that said products are defective.
- b) Such products are returned prepaid to Seller's plant; and
- c) Seller's examination of said products discloses to Seller's satisfaction that such alleged defects existed and were not caused by accident, misuse, neglect, alteration, improper repair, improper installation, or improper testing.

In no event shall Seller be liable for loss of profits, loss of use, incidental or consequential damages.

Except for any express warranty set forth in a written contract between Seller and Buyer which contract supersedes the terms herein, this warranty is in lieu of all other warranties expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose, and all other obligations or liabilities on the Seller's part, and it neither assumes nor authorizes any other person to assume for the Seller any other liabilities in connection with the sale of products by Seller.

Namco America Inc. distributors are independent, being privately owned and operated. In their judgment they may sell parts or accessories other than Namco America Inc. parts or accessories. Namco America Inc. cannot be responsible for the quality, suitability or safety of any non-Namco America Inc. part or any modification including labor which is performed by such distributor.

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Contact Namco America Inc. Customer Service at:

(408) 383-3973 or FAX (408) 436-9554

Hours: 7:00 am - 4:00 pm PDT

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Reorder number: TI45-10675-00

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The specifications of this machine and the instructions in this Operation Manual are subject to change without notice for enhancement.