

# PAC-MAN

## POWER PELLETS



# Operation Manual

**IMPORTANT**



**WE ARE HERE TO ASSIST  
For parts and service**



**Have Questions? Contact us!**

<b>BANDAI NAMCO SERVICE CENTER</b>
Tel: 847-264-5610
Email: <a href="mailto:PARTS@BANDAINAMCO-AM.COM">PARTS@BANDAINAMCO-AM.COM</a>
<a href="http://www.namcoparts.com">www.namcoparts.com</a>

When contacting Service, you will need the following information and the name of your authorized distributor.

<p><b>Suitable for Indoor Use Only</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NAME: Pac-Man Power Pellets GMP</td> <td>MAX POWER: 350W</td> </tr> <tr> <td>MODEL: C-587</td> <td>MIN POWER: 290W</td> </tr> <tr> <td>VOLTAGE: AC 110V ~</td> <td>FREQUENCY: 50/60Hz</td> </tr> <tr> <td>S/N:</td> <td>DATE:</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Guangdong UNIS Technology Co.,Ltd.</b></td> </tr> </table>	NAME: Pac-Man Power Pellets GMP	MAX POWER: 350W	MODEL: C-587	MIN POWER: 290W	VOLTAGE: AC 110V ~	FREQUENCY: 50/60Hz	S/N:	DATE:	<b>Guangdong UNIS Technology Co.,Ltd.</b>		<p><b>Suitable for Indoor Use Only</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NAME: Pac-Man Power Pellets GMP</td> <td>MAX POWER: 350W</td> <td rowspan="5" style="text-align: center; vertical-align: middle;"> </td> </tr> <tr> <td>MODEL: C-587</td> <td>MIN POWER: 290W</td> </tr> <tr> <td>VOLTAGE: AC220V-240V ~</td> <td>FREQUENCY: 50/60Hz</td> </tr> <tr> <td>S/N:</td> <td>DATE:</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Guangdong UNIS Technology Co.,Ltd.</b></td> </tr> </table>	NAME: Pac-Man Power Pellets GMP	MAX POWER: 350W		MODEL: C-587	MIN POWER: 290W	VOLTAGE: AC220V-240V ~	FREQUENCY: 50/60Hz	S/N:	DATE:	<b>Guangdong UNIS Technology Co.,Ltd.</b>	
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Thank you for purchasing **PacMan Power Pellets**. We hope you enjoy the product.

This manual contains valuable information about how to operate and maintain your game machine properly and safely. It is intended for the owner and/or personnel in charge of product operation. Carefully read and understand the instructions.

If you need any help during installation and setup please utilize this manual and troubleshooting guide. If the product fails to function properly, *non-technical personnel should under no circumstance attempt to service the machine*. Contact your distributor or manufacturer for help.

Before use, please read **IMPORTANT SAFETY INSTRUCTIONS**.

## IMPORTANT SAFETY INSTRUCTIONS

**To ensure the safe usage of this product, carefully read and understand these instructions before operating your game.**

**Save these instructions for future reference.**

Use this product only as described in this manual. Other uses not recommended may cause fire, electric shock or personal injury. Unplug the game from the outlet when not in use, when moving from one location to another, and before cleaning/servicing.

Explanations which require special attention are indicated by signs of warning. Depending on the potential hazardous degree, the terms: **NOTE**, **NOTICE**, and **WARNING** are used.

**NOTE:** A NOTE indicates useful hints or information about product usage.

**NOTICE:** A NOTICE indicates potential damage to product and how to avoid the problem.

**WARNING:** A WARNING indicates a potential for product damage or serious personal injury.

It is important to understand the meaning of the following HAZARD SIGNS before continuing:

### High Voltage and Shock Hazard:

High voltage can cause electric shock.  
Turn off/unplug power before servicing.



### High Temperature Hazard:

This part may cause scalding.  
Do not touch. Surface may be hot.



### No Touching Hazard:

This part may be hot or can cause electric shock.  
Do not touch.



Use the following safety guidelines to help ensure your own personal safety and to help protect your equipment and surrounding environment from potential damage.

**⚠ This product is an indoor game machine. Do not install outdoors.**

Avoid installing in the following places to prevent fire, electric shock, injury and/or machine malfunctioning:

- Places subject to rain/moisture, or places subject to high humidity.
- Places subject to direct sunlight, or places subject to extremely hot or cold temperatures to ensure that it is used within the specified operating range.
- Places where inflammable gas may be present or in the vicinity of highly inflammable/volatile chemicals or items that can easily catch fire.
- On unstable or sloped surfaces. The machine may topple or cause unforeseen accidents.
- Vicinity of fire exits, fire extinguishers etc that may block/prevent safety measures.

**IMPORTANT NOTE:**

**ALL REPAIRS MUST BE DONE TO ORIGINAL MANUFACTURER SPECIFICATIONS. FAILURE TO DO SO VOID ALL WARRANTIES AND OPERATOR ASSUMES ALL RISKS.**

Note: The contents of this manual may be updated without notice.

# 1. SPECIFICATIONS

Rated power supply: AC110V 50/60Hz; AC220V 50/60Hz (It is subject to the nameplate on the back of the machine.)

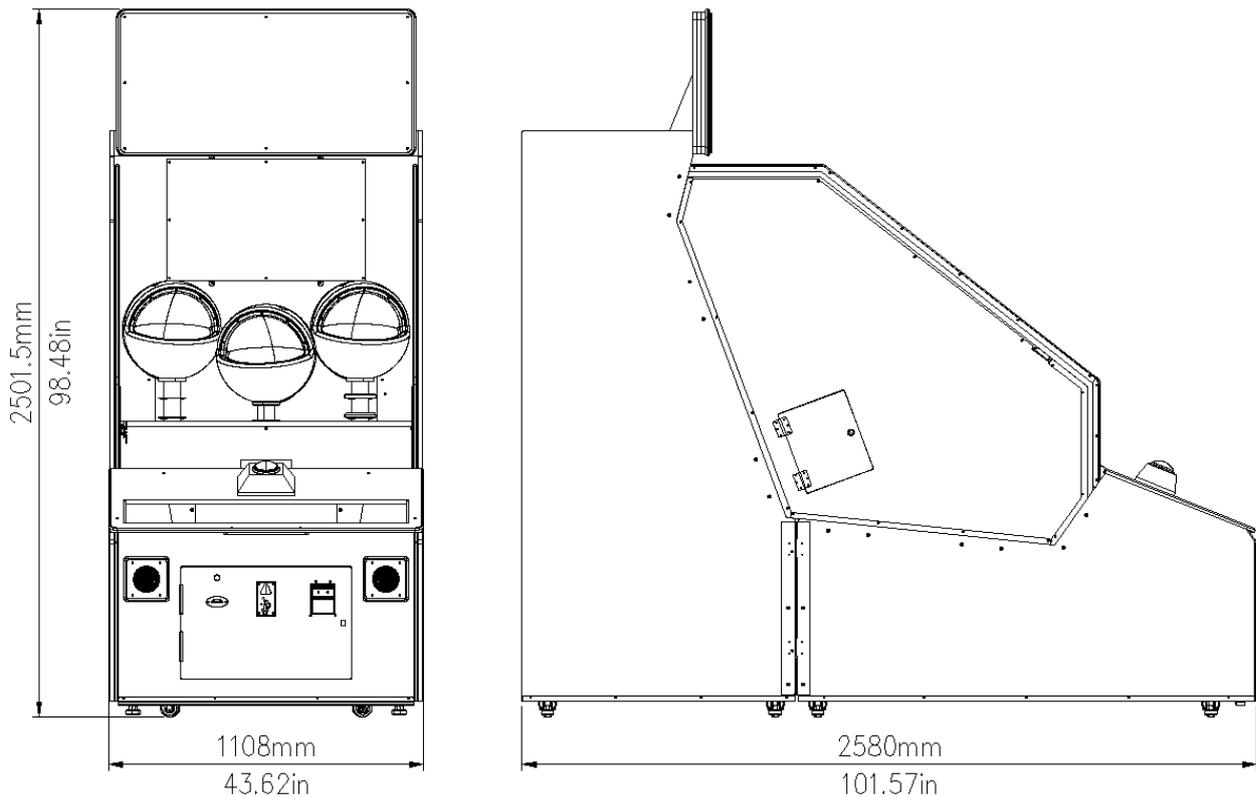
Min. Power consumption: 290W

Max. Power consumption: 350W

Dimension: H98.48×W43.62×D101.57 in

H2501.5 ×W1108 ×D2580 mm

**!** **NOTICE:** After turning off the game, please wait at least 1 minute before restarting again.



**Note:** Game specifications are subject to change without notice.

## 2. CONTENTS OF THE ACCESSORY KIT

Open the package and make sure all the items are included:

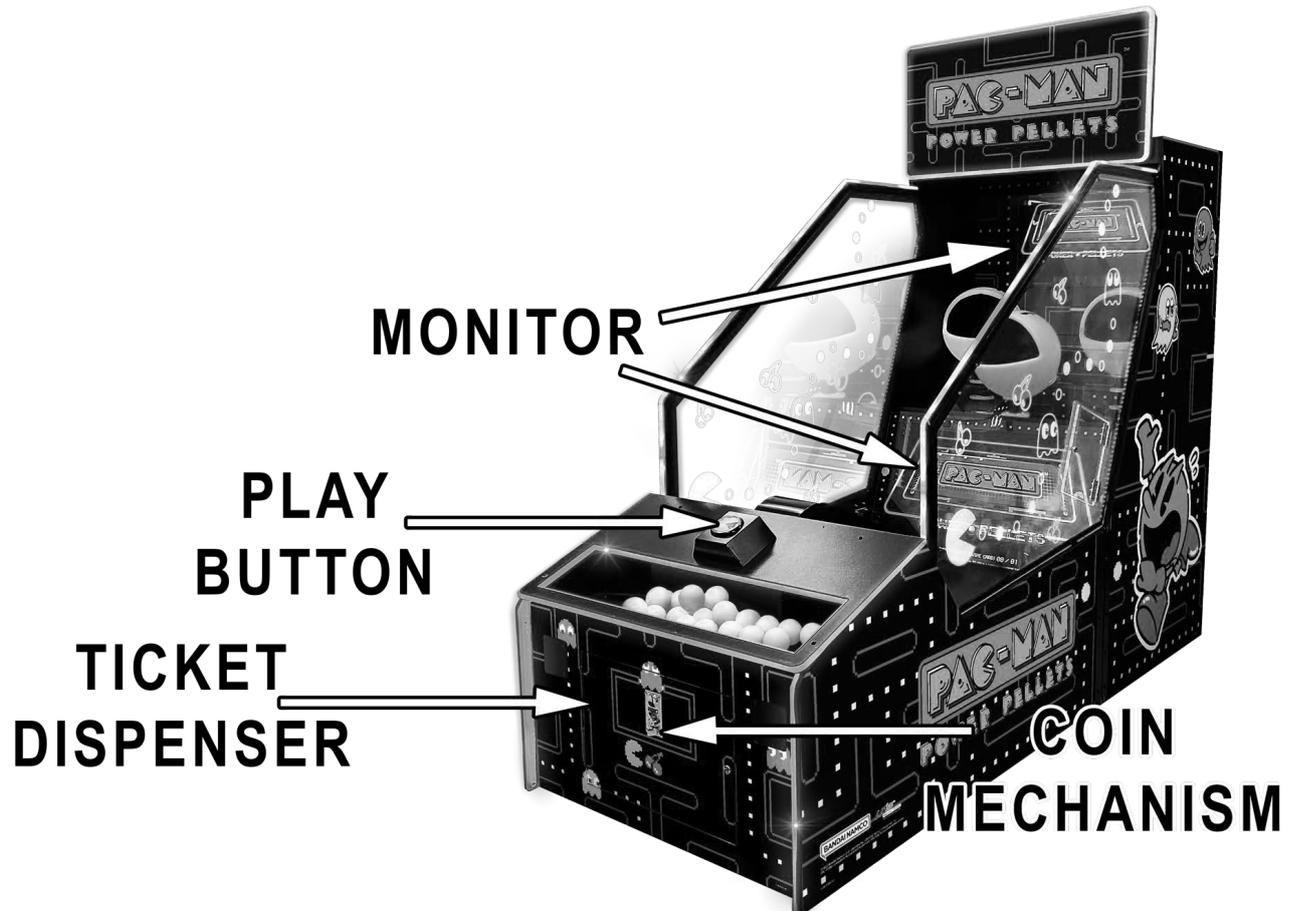
Following accessories

No.	Name/SPEC	Picture	Qty
1	Manual		1
2	171A key		2
3	171B key		1
4	Power cord		1

**NOTE:** Part models are subject to change without notice.

### 3. PART NAME

#### Key Components



## 4. SET UP & INSTALLATION

### ! NOTICE

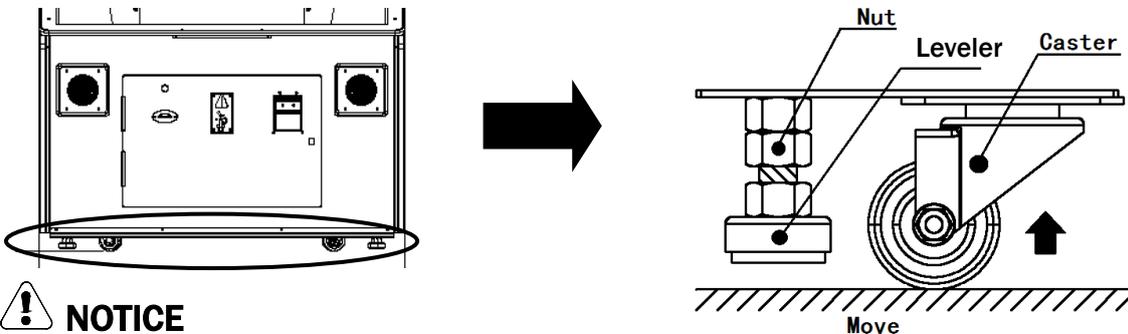
We do not recommend using power tools as they may cause damage.

! **This product is an indoor game machine. Do not install outdoors.**

- Refer to IMPORTANT SAFETY INSTRUCTIONS (Pg. 3) for places to avoid.
- Place the unit on a dry level surface.
- Ventilation openings in the back of the unit must not be obstructed by objects or by wall.

### 4.1 Transporting the Game

If you need to move the game, adjust the levelers back to an “up” position.



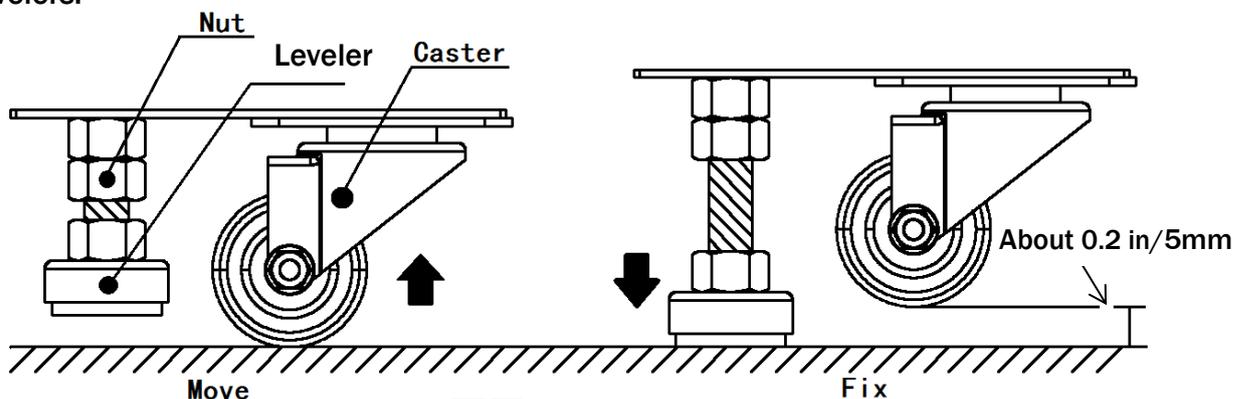
### ! NOTICE

- Be careful not to damage the machine during transport.
- Always unplug the game before moving.
- Keep the machine in upright position during transport.
- For longer distance transport, package the game properly to prevent damages.

### 4.2 Level Adjustment

Install this game on a flat surface. If the game is installed on an unsuitable floor, it could cause game malfunction.

To secure the game, loosen the nut, utilize wrench to adjust the leveler down until it touches the floor, lifting the casters off the ground by 0.2 in/5mm. Repeat the same for all levelers.



### ! NOTICE

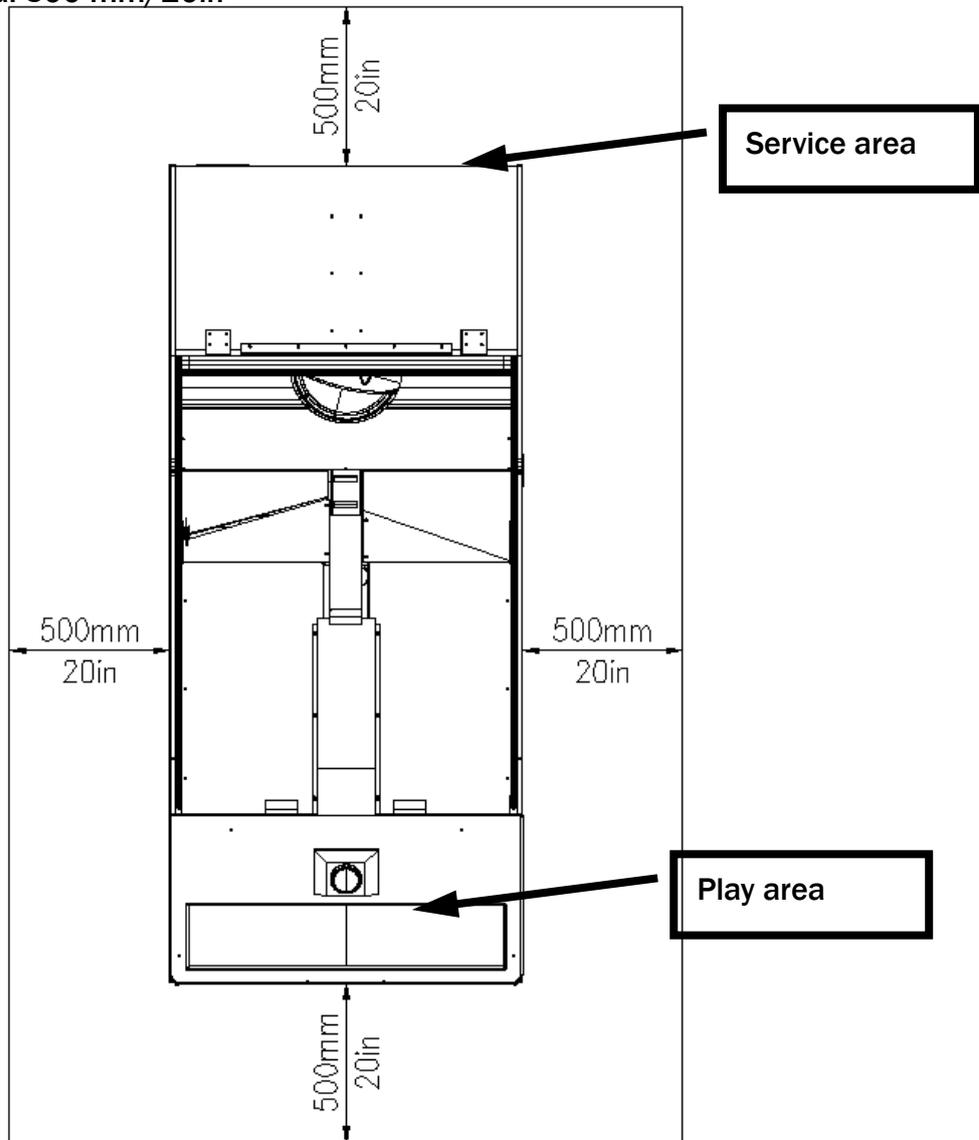
Make sure the machine is level.

### 4.3 Play Zone

This machine requires space for playing and for maintenance as shown below.

Leave space around the game upon installation:

Service area: 500 mm/20in



#### NOTICE

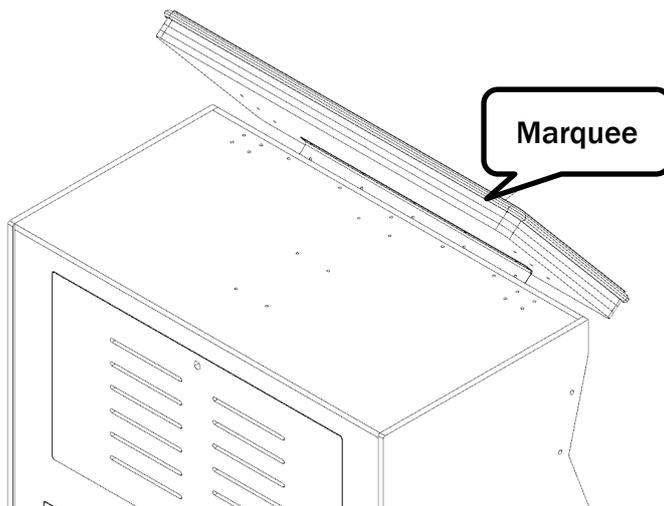
Your unit must be leveled to operate properly.

### 4.4 Machine Installation

Before processing with assembly assure you have the following tools.

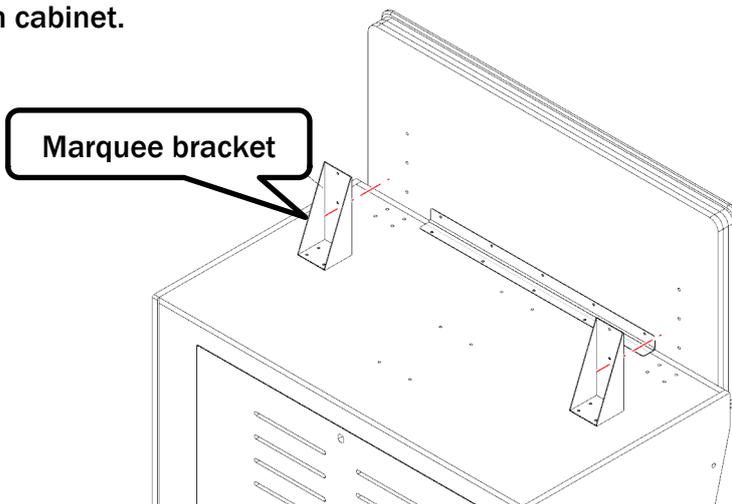
No.	Name	Picture
1	Phillips screwdriver	
2	Spanner	
3	Allen wrench	

**Step 1** Turn the Marquee vertical.



**Step 2** Utilize Phillips screwdriver to tighten 14 screws to secure the 2 Marquee brackets to

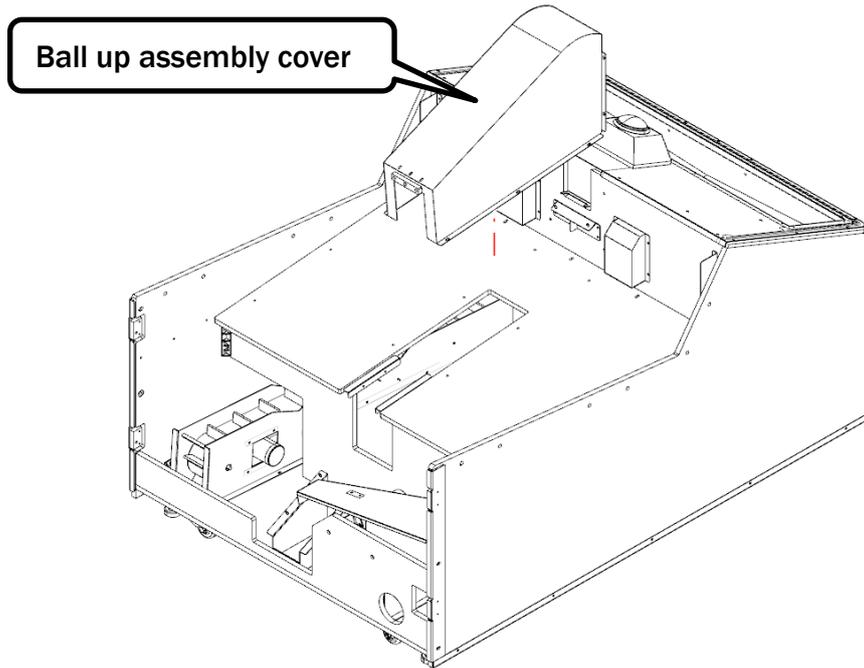
Marquee and Main cabinet.



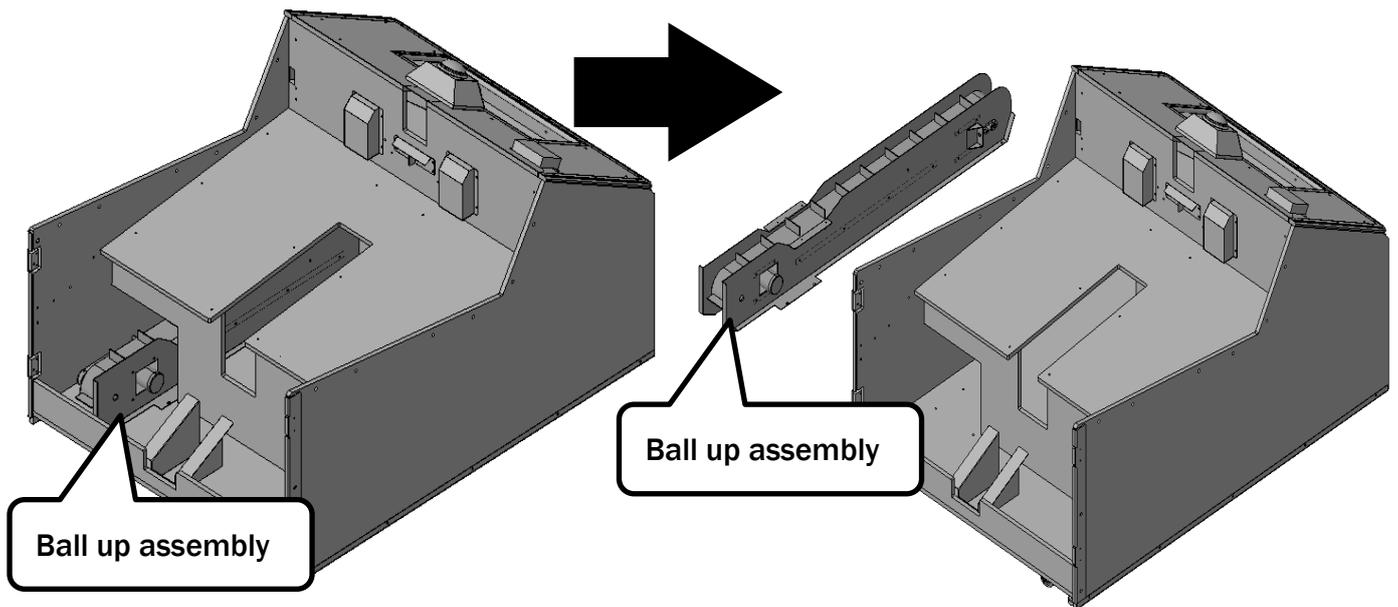
Name	Cross recessed pan head screw set
Spec.	M5×25 Color zinc
Qty	14



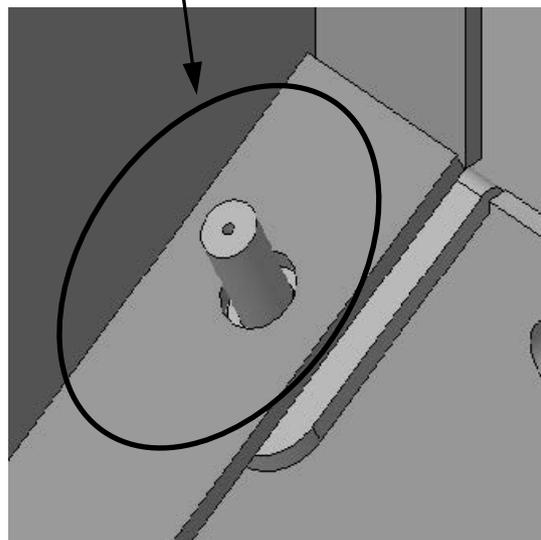
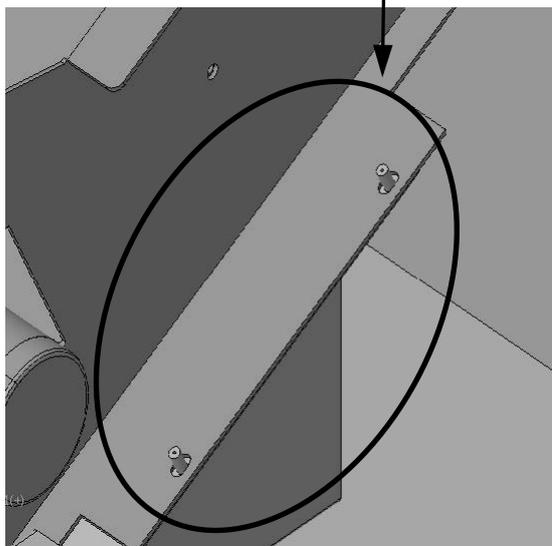
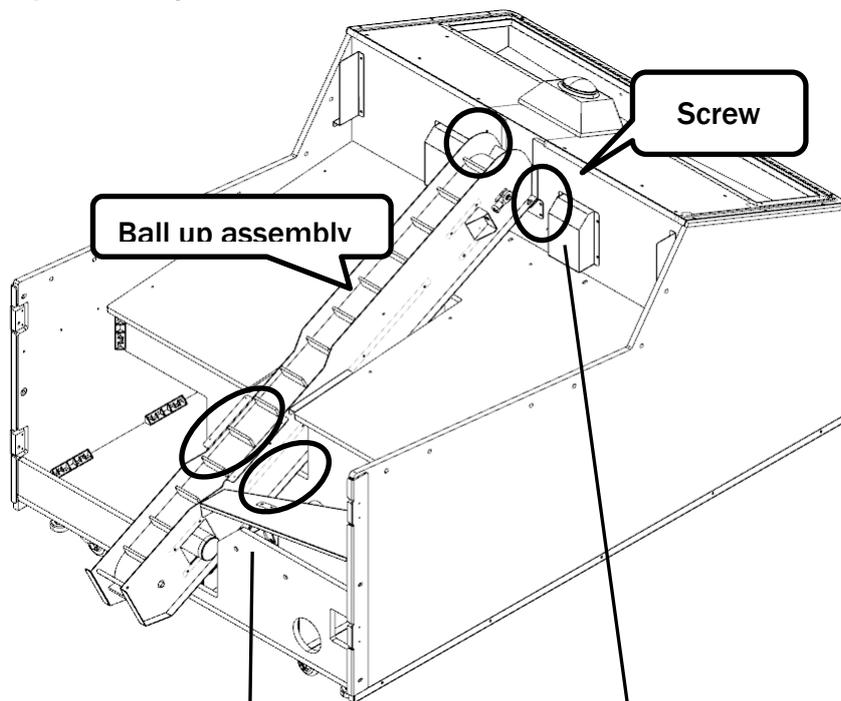
**Step 3** Utilize Phillips screwdriver to loosen screws to remove Ball up assembly cover.



**Step 4** Utilize Phillips screwdriver to loosen screw to remove Ball up assembly.



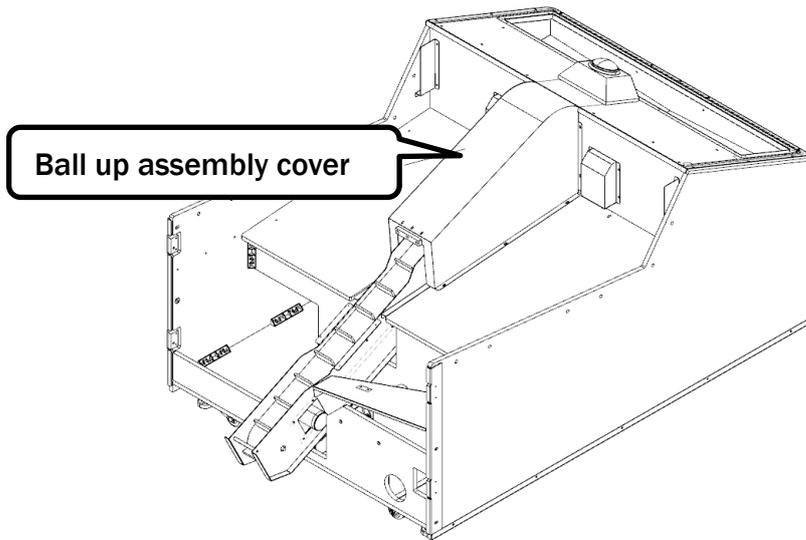
**Step 5** Place Ball up assembly on the Control panel Assembly as shown below. Stick metal plate to the screws on the Control panel Assembly. Utilize Spanner to tighten 6 Nuts to secure the Ball up assembly.



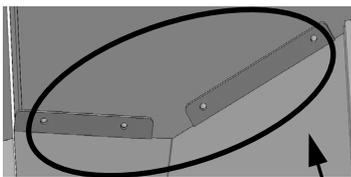
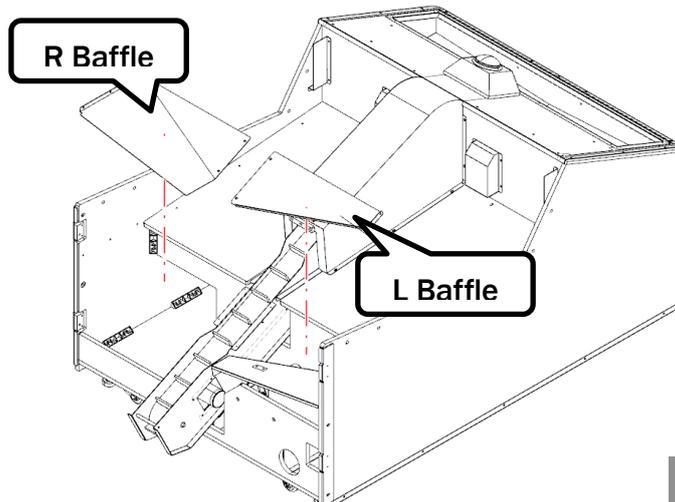
Name	Nut
Spec.	M5 white Zinc
Qty	6



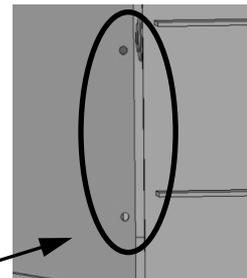
**Step 6** Utilize Phillips screwdriver to tighten screws to secure Ball up cover assembly.



**Step 7** Install 2 Baffles. Utilize Phillips screwdriver to tighten 4 screws to secure 2 Baffles to Ball up assembly. Utilize Phillips screwdriver to tighten 8 screws to secure 2 Baffles to two sides.



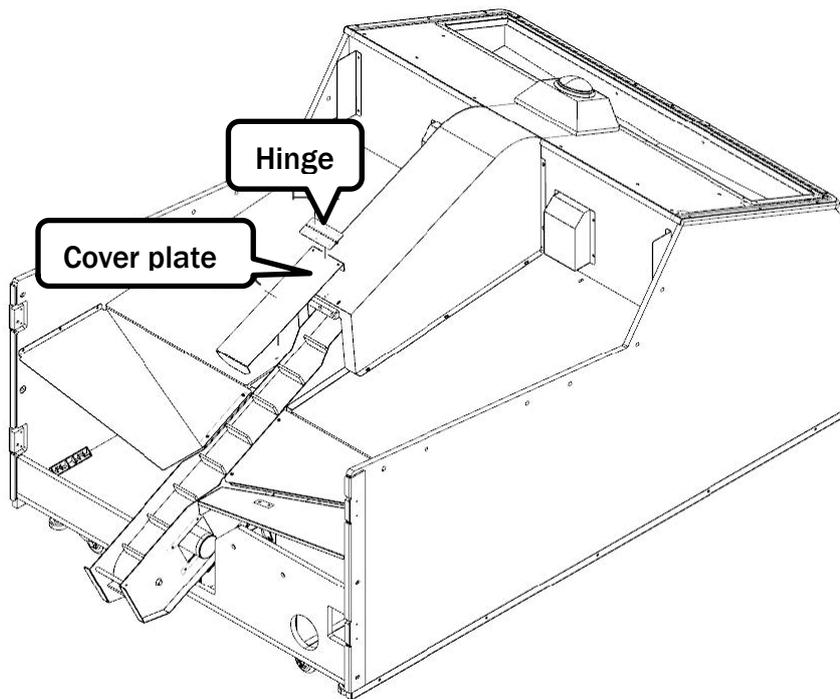
Name	Cross recessed flat head screw set
Spec.	M4×12 black
Qty	8



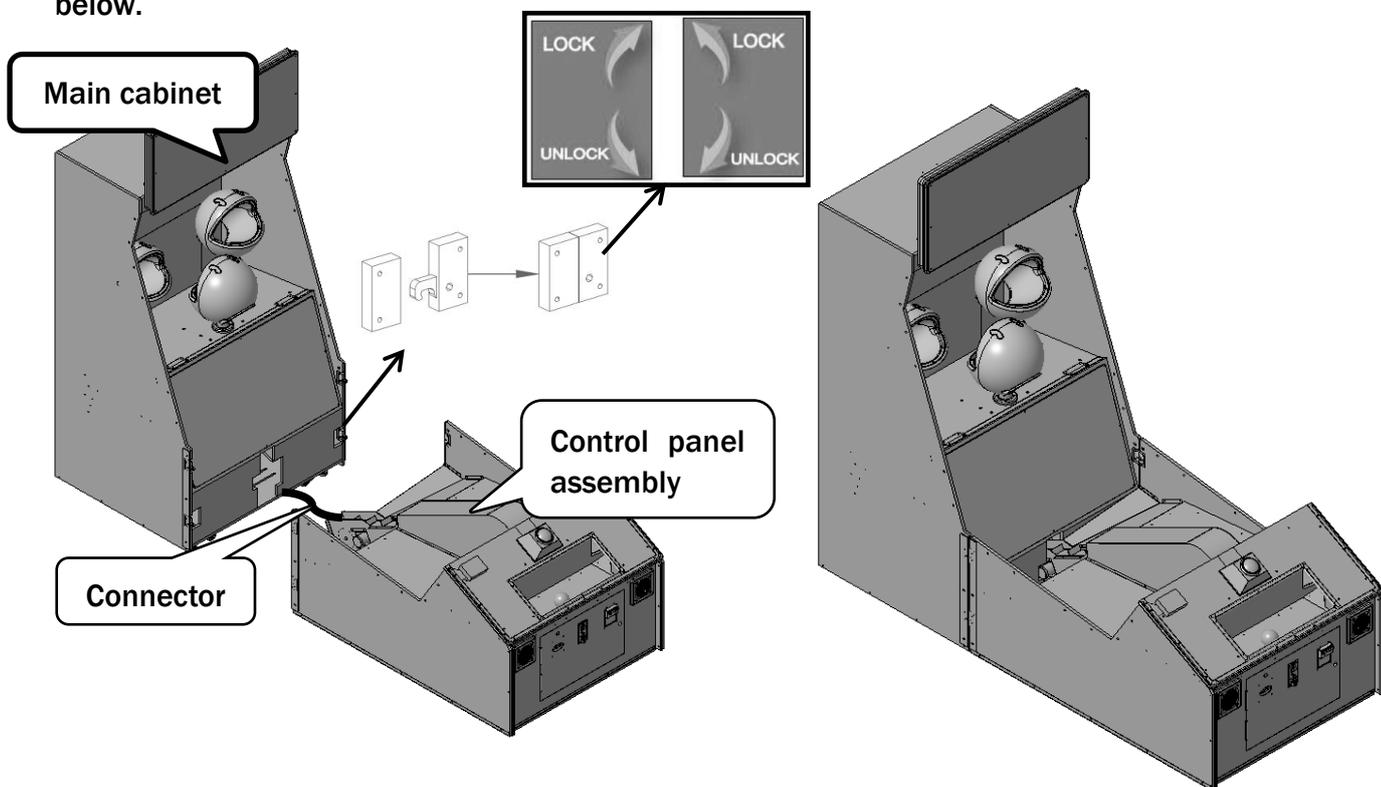
Name	Cross recessed sunk head screw
Spec.	M4×8 black
Qty	4



**Step 8** Install Hinge and cover plate to the Ball up assembly.



**Step 9** Align the Main cabinet with the Control panel assembly. Plug the connector. Utilize Allen wrench to lock the Main cabinet to the Control panel assembly together as shown below.



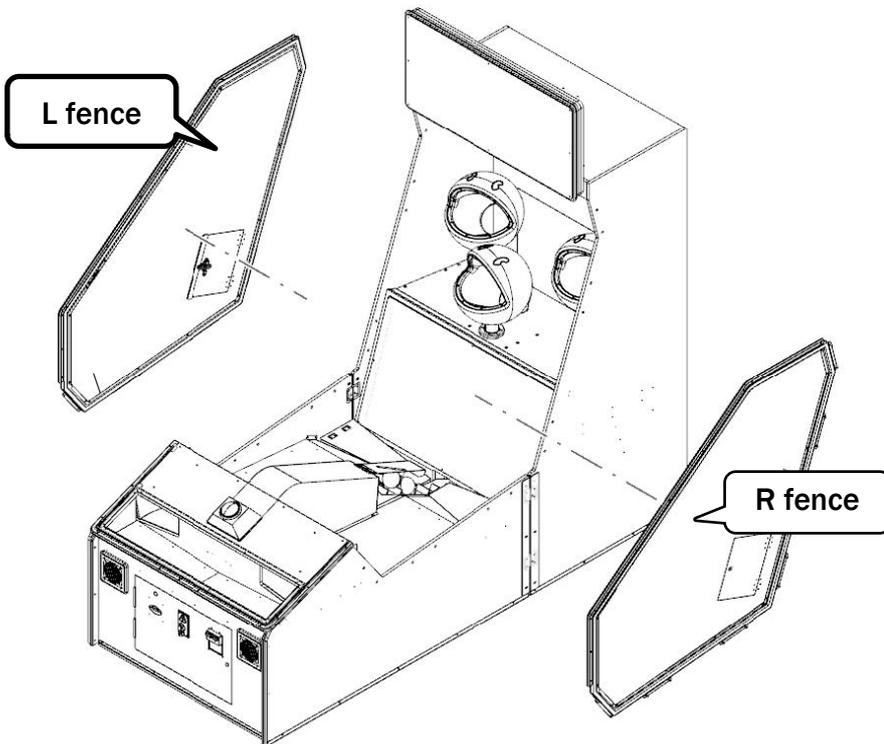
**Step 10** Connect the connector. Place L&R fence on the cabinet. Utilize Allen wrench to tighten screws and washers to secure the L&R fence to the cabinet.



Name	Hexagon socket flat head screw
Spec.	M5×12 black
Qty	24



Name	Washer
Spec.	M5 white zinc
Qty	24



**Finish!**

#### 4.5 Card Reader Installation Safety Notice



Take precaution to assure that all wiring voltages are confirmed prior to installation of card reader. All warranties are void if not properly installed resulting in logic board damage.

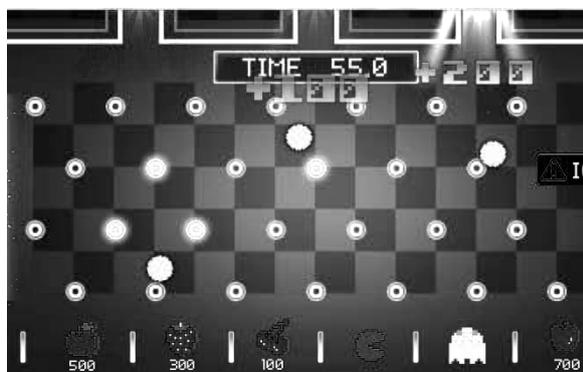
**Important:** This game is pre-wired to AAMA standards. It is highly recommended to utilize this wiring for Card reader installation.

## 5. HOW TO PLAY

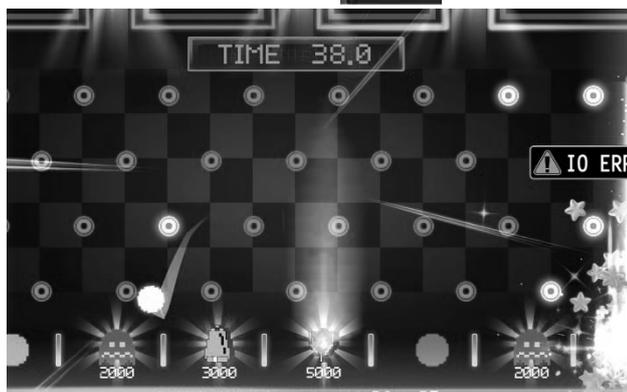
1. Insert coins to play/Tap card/Insert cash to play.



2. Throw the ball into the Pacman toy to win the points.



3. The ball touch the Pacman role  will activate high point mode.



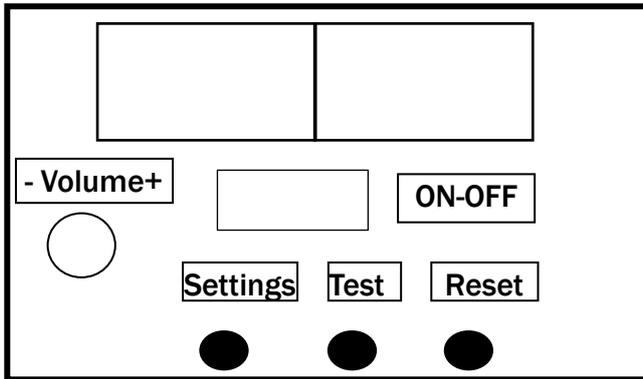
4. Reach the required points when time up can enter BONUS GAME to win more tickets! Enter the Bonus game & stop on the Pac Man to win the Pac Pot.

30000 POINTS TO ENTER BONUS GAME				
LEVEL				
S	A	B	C	D
40	30	28	26	24
tickets	tickets	tickets	tickets	tickets



## 6. GAME OPTION

### 6.1. Adjustment button instruction



Open the coin door and there is a meter panel. Press Settings button to enter the setting menu.

### 6.2. Setting menu

#### 6.2.1 Main menu

Options
Basic Setting
Customized Setting
Output Test
Input Test
Game Reset
Date/Time Setting
Language/语言
Bookkeeping
Daily Record
Back to Game

#### 6.2.2 Basic Setting

Options	Adjustment Value
Free Play	OFF_ON
Demo Music	OFF_ON
Volume	0-10
Coins Per Game	0-10
Memory Save	OFF_ON
Game Time	60,90,120,180
Stop Link Time	5-15
Back_Save	
Back	

#### 6.2.3 Customized Setting

Options	Adjustment Value	Description
Tickets Out	OFF_ON	
BOUNS Game Points	10000-100000	
Two Tickets Equal One	OFF_ON	
Out Of Ticket	Store in memory_Call Attendant	
Ticket Mode	Fixed Ticket_Stepwise Mode	Stepwise Mode please refer to 6.2.3.1
Max Ticket	0-50	
Min Ticket	0-50	
Extract Rate	5%-95%	Rate of Ticket to Pac Pot.
Min Pac Pot	0-200	Starting value of Pac Pot prize

Options	Adjustment Value
Pac Pot Tickets	500-800
Back_Save	
Back	

### 6.2.3.1 Stepwise Mode

Evaluation	Out Ticket	Extract Ticket	Fraction segment	Description
S			30000~+∞	The value of the A/B/C cannot be changed by manually.
A	/	/	24000~30000	
B	/	/	18000~24000	
C	/	/	12000~18000	
D			0~12000	
The value of the S/D can be changed manually. Please refer to 6.2.3 Max/Min Ticket.				
Extract Ticket can be change. Please refer to 6.2.3 Extract Rate.				

### 6.2.4 Output Test

Options	Adjustment Value
Start Button Light	OFF_ON
Side Light	OFF_ON
Pacman Light	OFF_ON
Pacman Turn	OFF_ON
Speaker	OFF_ON
Ticket Dispenser	OFF_ON
Conveyor	OFF_ON
Control Panel Light	OFF_ON
Marquee Light	OFF_ON
Back	

### 6.2.5 Input Test

Options	Adjustment Value
Coin in	OFF_ON
Start button	OFF_ON
Settings button	OFF_ON
Reset button	OFF_ON
No.1 Pacman Sensor	OFF_ON
No.2 Pacman Sensor	OFF_ON
No.3 Pacman Sensor	OFF_ON
Safety sensor	OFF_ON
Left Track Jam Sensor	OFF_ON
Right Track Jam Sensor	
Back	

### 6.2.6 Game Reset

<b>Options</b>
Factory Restore
Restore Basic Settings
Reset Customized Setting
Clear Unused Coin
Clear Owed Ticket
Clear All Records
Back&Save
Back

### 6.2.7 Date/Time Setting

<b>Options</b>
Year
Month
Day
Hour(24)
Minute
Second
Back&Save
Back

### 6.2.8 Bookkeeping

Player	Coins	Tickets	Payout
Back			

### 6.2.9 Daily Record

Date	Weekday	RunTime	Coins	Tickets	Payout
Prev Page					
Next Page					
Clear					
Back					

## 7. TROUBLESHOOTING

### 7.1 Common Problem

Please confirm that all connectors fit tightly.

Symptom	Possible Cause	Recommended action
Game will not start	Frame assembly connector is loose.	Check connector.
	Frame assembly fault	Contact with UNIS Service.
Power off	Circuit protector make power SW in off state.	Turn on power SW again. If appeared again and again, machine has anomaly. Please contact with UNIS Service.
Card reader not working	The connector is loose.	Check connector.
	Card reader fault.	Check with card reader manufacturer.
No ticket dispensing	Out of ticket.	Add ticket and press reset button
	Ticket jamming.	Remove the jammed tickets and press reset button.
	The connector is loose.	Plug the connector tightly.
No sound	Low volume	Raise the volume.
	Connector loose.	Check connector.
	Speaker fault.	Check speaker.
	POT installation error.	Install POT correctly.
	POT fault.	Change POT.
	Audio cable problem.	Reconnect the audio cable or change it.
	PC crash.	Restart or system recovery.
Driver problem	Restart the audio driver.	
Display black screen	Check connectors.	Plug in connector tightly
	Display fault.	Utilize another source such as a PC to verify if the display is operational.
	RAM is loose.	Remove and reinsert RAM.
Display blue screen	PC power cord is loose	Check PC power cord whether is loose.
	VGA signal cable is loose.	Check VGA cable
	PC video card is loose.	Reseat video card.
	“0X000000A” code appears. Conflict between computer drive and software.	Contact service

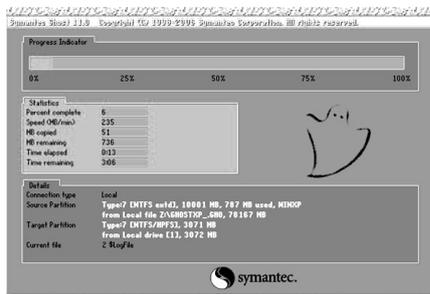
**Note:** After replacing component from pc (except for RAM), and replacing monitor, the game should be recovered again with the recovery stick attached to the machine.

If you see following error signs showing on the display, please try the recommended action.

Display	Possible Cause	Recommended action
	The connection part of the IO board and PC are loose.	Check and reconnect the loose ports of the PC or IO board.
	Cable quality problem	Change the cable after checking the connection between IO board and PC.
	Cable became loose during transportation.	Check and reconnect the loose cables of the PC or IO board.
	IO board is faulty.	Reboot the game after checking connection and cable problem, if the problem remains unresolved, please call the service department for assistance.
	Out of ticket.	Refill ticket
	Loose connection of the ticket dispenser's cables.	Check and reconnect the loose cables to the ticket dispenser.
	Ticket dispenser is faulty.	Change the ticket dispenser.
	Ticket jam.	Remove jammed tickets.
	Someone climbed into the control panel (conveyor belt)	Get out of the control panel .
	Ball jam.	Remove jammed balls.

## 7.2 System Recovery Operation (NOTE: Do not disconnect power during this process.)

1. Turn off the game. Remove the recovery stick from the machine. (Note: This process may take up to 60 minutes) Insert the recovery stick into the port at the back of the computer.
2. Restart PC to enter the system recovery screen as shown.



3. The game will automatically start recovery.
4. Once system recovery is partially finished (as shown below), and the ICON appears, remove the recovery stick from the computer. The game will continue the install process.

OK to remove the recovery stick.



5. Assure that the recovery stick has been properly secured for future use.



**WARNING:** The recovery stick should only be used to fix software errors. Using it for other purposes may cause unexpected results and damages.

## 8.MAINTENANCE & INSPECTION

### 8.1 Safety Check

Check the points listed before operating the machine. These checks are necessary for safe machine operation:

1. Test game before operation each day.
2. Conduct monthly routine checks of game components to ensure good working condition.
3. Check the machine regularly for dust and clean when necessary.

**Note:** Parts and components require preventative maintenance to maintain proper operation.

### 8.2 Handling Precautions

When installing or inspecting the machine, be very careful and pay attention to ensure that the player can enjoy the game safely.

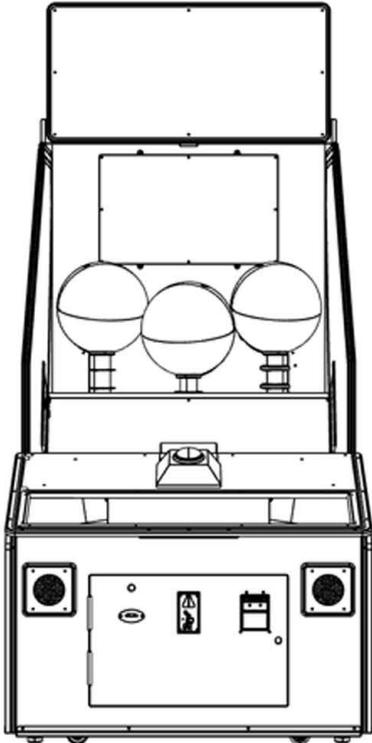
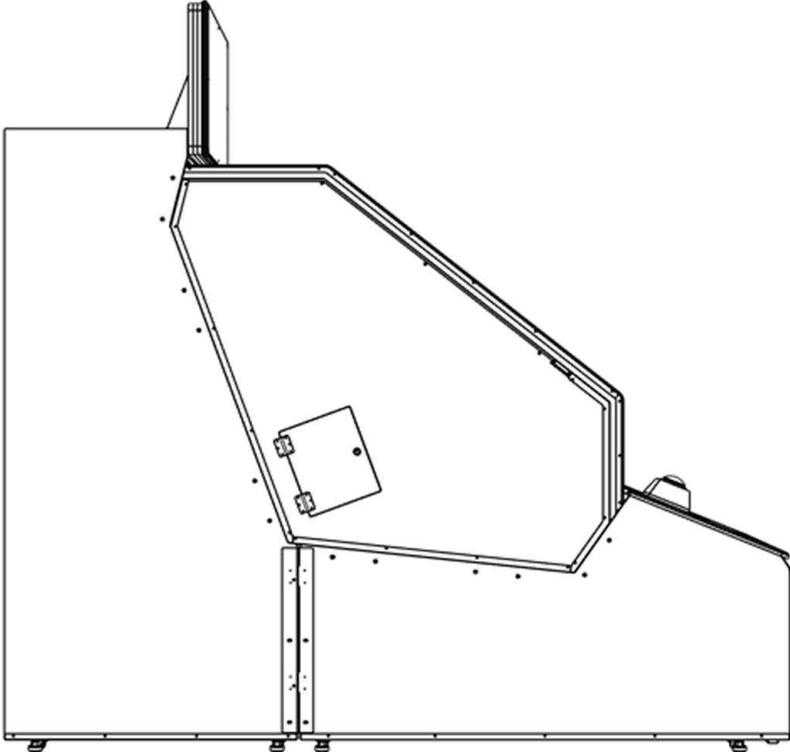
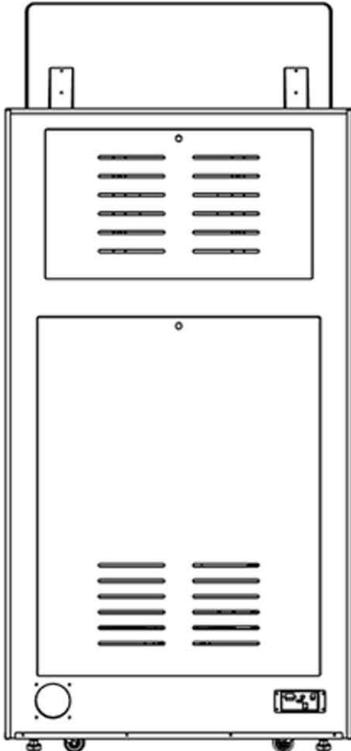
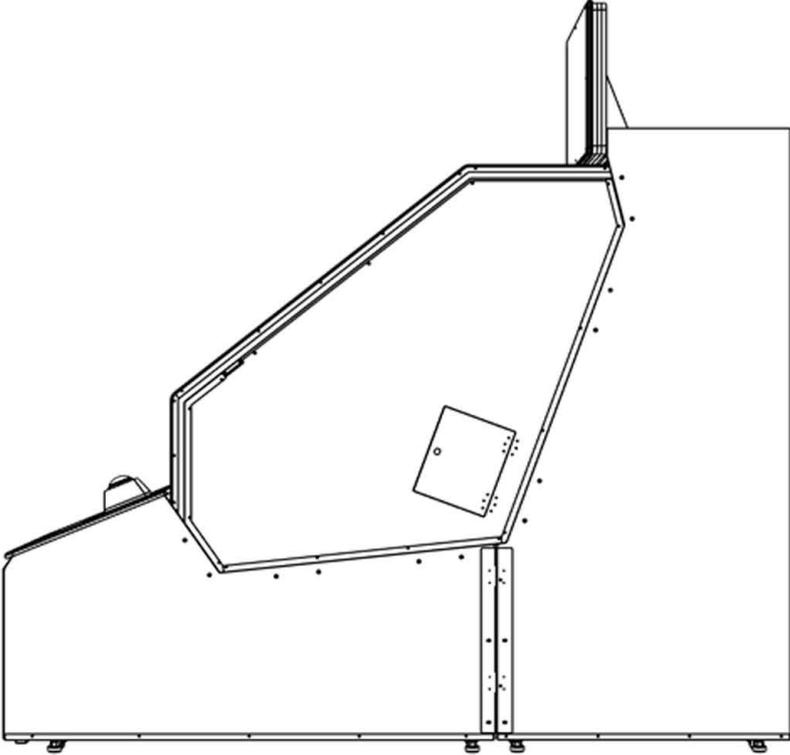
Inappropriate handling running counter to the cautionary matters can cause personal injury or damage to the machine.

 **NOTICE**

**We do not recommend using power tools as they may cause damage.**

# 9. OVERALL CONSTRUCTION

## 9.1 General Assembly



Part No.	Name	Qty
PE15-17123-00	M3 Motherboard	1
PE90-17124-00	PAC-MAN Shell	3
PE90-17124-01	PAC-MAN Inner Shell	3
PE90-17125-00	Ball Container Light Strip 1	1
PE90-17126-00	Ball Container Light Strip 2	1
PE90-17127-00	Vinyl Ball	1
PE90-17132-00	Plastic Corner Node	1
PE52-17133-00	6-way Fuse Plate	1
PE05-17134-00	Ball Return Kit	1
PE15-17463-00	PAC-MAN Pellets Ticket Board	1
VG10-09494-00	A.C. Power Plate	1
PE40-17445-00	Marquee Decal	1
PE40-17446-00	OP Monitor Bezel	1
PE40-17447-00	Bottom Monitor Bezel	1
PE05-17448-01	Left, Complete Side Machined Fence	1
PE05-17448-02	Right, Complete Side Machined Fence	1
PE40-17449-00	Control Panel Decal	1
PE40-17450-00	Front Door Decal	1
PE40-17451-00	Back Wall Decal	1
PE40-17452-00	R Side Decal (Back)	1
PE40-17452-01	L Side Decal (Back)	1
PE40-17452-02	R Side Decal (Front)	1
PE40-17453-00	Button Decal	1
PE40-17455-00	Ball Pull Decal	1
PE40-17457-00	Pachead Eye Decal	1
PE79-17191-00	Photoelectric Sensor (Pair)	1
PE79-17192-00	Photoelectric Sensor (Emitter)	1
PE79-17193-00	Photoelectric Sensor (Receiver)	1
PE79-17194-00	Sensor ( A )	1
PE58-17195-00	DC Motor ( A )	1
PE58-17196-00	DC Motor ( B )	1
PE90-17188-00	Acrylic Cover ( Top )	1
PE90-17189-00	Acrylic Cover ( Middle )	1
PE90-17190-00	Acrylic Cover ( Lower )	1
VG05-21903-00	LCD Controller Kit for 27" Panel	1
VG85-13470-10	27" AUO Panel Only	1
VG85-13652-10	43" BOE Panel	1



# BANDAI NAMCO

## **Bandai Namco Amusement America Inc.**

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[www.bandainamco-am.com](http://www.bandainamco-am.com)

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Copies of the manual can be downloaded  
from our website:  
[www.bandainamco-am.com](http://www.bandainamco-am.com)

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