

# PONG®

1.1 version



**IMPORTANT**



Be Sure  
to Read this  
Manual  
Before Use

**UNIS®**  
UNIVERSAL SPACE

[www.universal-space.com](http://www.universal-space.com)

# Operation Manual

# WE ARE HERE TO ASSIST For parts and service



Have Questions? Contact us!

**UNIS SERVICE CENTER**  
Tel: 972-241-4263  
Email: [service@unispartsandservice.com](mailto:service@unispartsandservice.com)

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

[Redacted]	
NAME: PONG	MAX POWER: 200W
MODEL: A-416	MIN POWER: 80W
S/N:	FREQUENCY: 50/60Hz
VOLTAGE: AC220V ~	DATE:
Guangdong UNIS Technology Co.,Ltd.	

[Redacted]	
NAME: PONG	MAX POWER:
MODEL: A-416	MIN POWER:
S/N:	FREQUENCY: 50/60Hz
VOLTAGE: AC110V ~	DATE:
Guangdong UNIS Technology Co.,Ltd.	

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Thank you for purchasing **PONG**. 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.**

**ANY LUBRICATION TO THE MECHANISM WILL VOID THE WARRANTY**

**IMPORTANT NOTE:  
ALL REPAIRS MUST BE DONE TO ORIGINAL MANUFACTURER SPECIFICATIONS.  
FAILURE TO DO SO VOIDS ALL WARRANTIES  
AND THE OPERATOR ASSUMES ALL RISKS.**

Maintenance should be performed with caution on always done with power off.

If a liquid spill has occurred, you must take immediate action to assure that the spill has been absorbed to prevent damage.  
Turn the machine off and unplug immediately.

**THIS GAME SHOULD BE SERVICED BY AUTHORIZED PERSONNEL ONLY**

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

# 1. SPECIFICATIONS

Rated power supply: AC110V 50/60Hz; AC220V 50/60Hz

Min. Power consumption: 80W

Max. Power consumption: 200W

Dimension: W47.64×D29.07×H18.90 in


W1210×D738.4×H480 mm

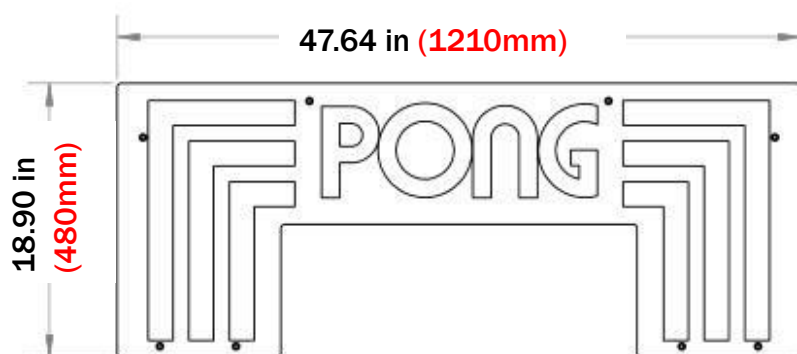
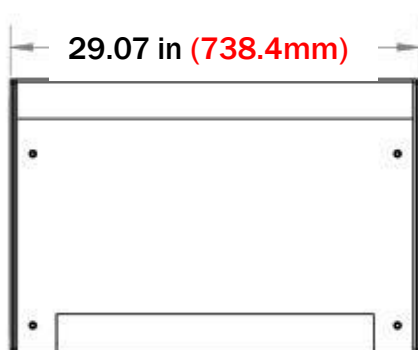
Weight: Approximately 176.36 lb

80KG

Part No: P156

Model: A-416

 **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:

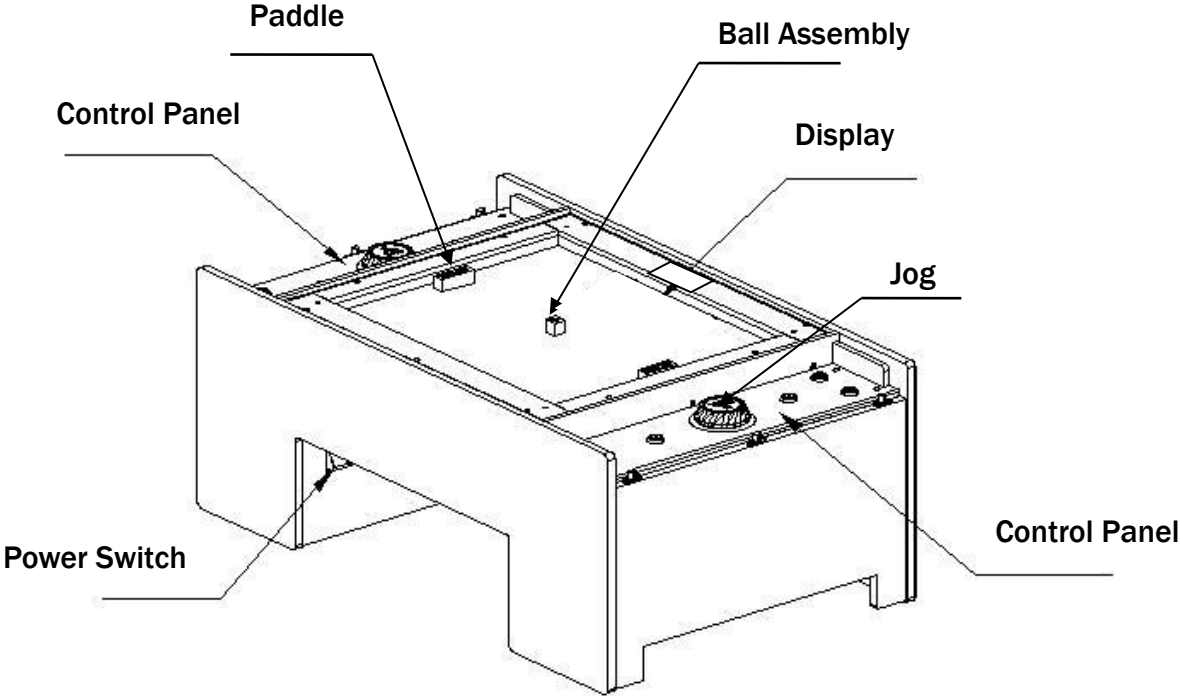
### 1. Following accessories

No.	Part No.	Code	Name	Picture	Qty
1	P156-801-000	23301010020	Power cord		1
2	P156-432-000	21901000010	Fuse		1
3	P156-803-000	40607000013	L wrench		1
4	P156-804-000	41440000247	Manual		1
5	P156-459-000	25100080015	Suction cup		1
6	P156-160-000	20211707045A	Adjust plate A		1
7	P156-161-000	20211707046A	Adjust plate B		1
8	P156-324-000	20101020034	Cross recessed pan head screw set		2
9	P156-303-000	20113000003	Standard spring washer	/	2
10	P156-101-000	20211707H040	Block		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.**

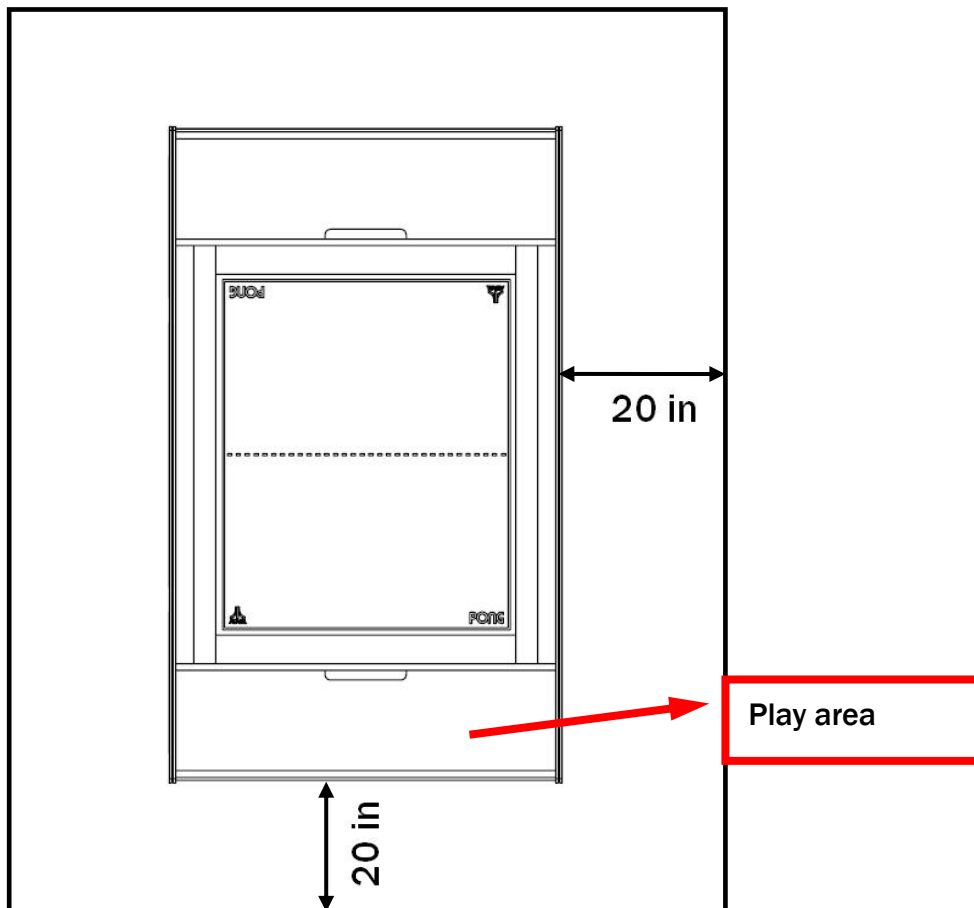
- Refer to IMPORTANT SAFETY INSTRUCTIONS (Pg. 3) for places to avoid
- Place the unit on a dry level surface
- Ventilation openings must not be obstructed by objects or by wall.

### 4.1 Play Zone

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

Leave space around the game upon installation:

Play area: 20 in



### NOTICE

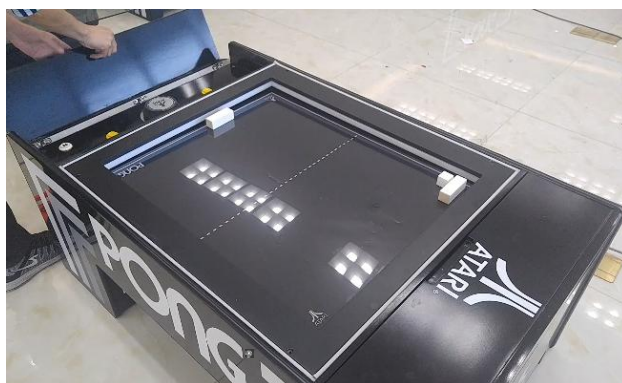
**Your unit must be leveled to operate properly.**

## 4.2 Voltage Conversion(110V to 220V)

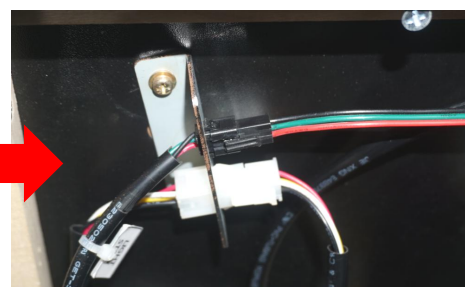
**Step 1** Power off the game and use the suction cup as shown in the picture to remove the glass.



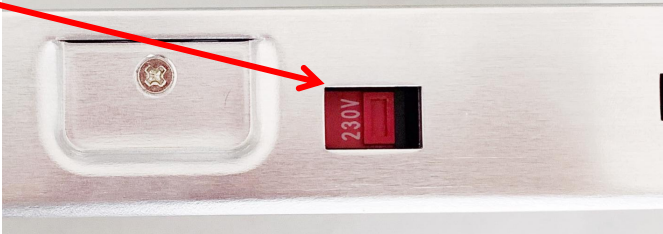
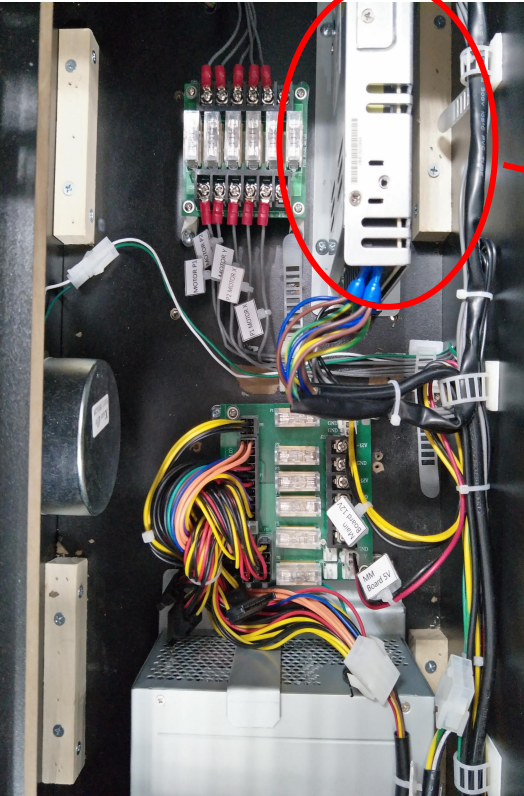
**Step 2** Open end panel of player position shown in the pictures. Remove the screw covers and loosen the screws.



**Step 3** Open the control panel as shown. Unplug the connector as indicated by the red circle.

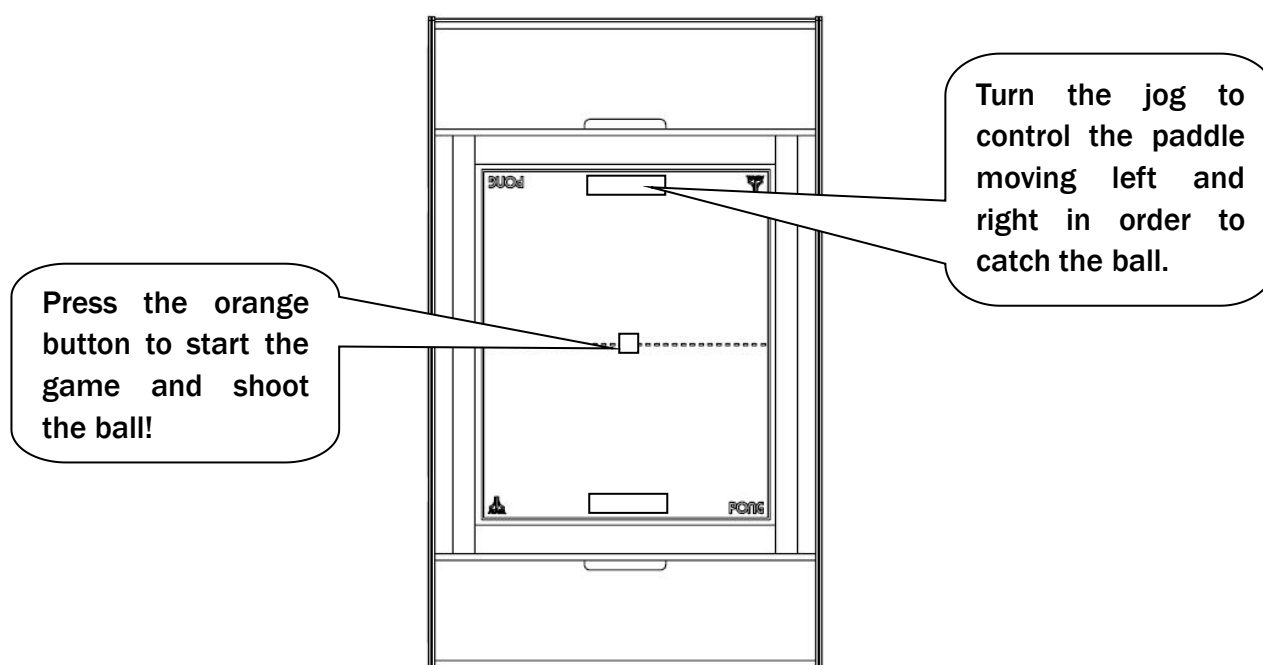
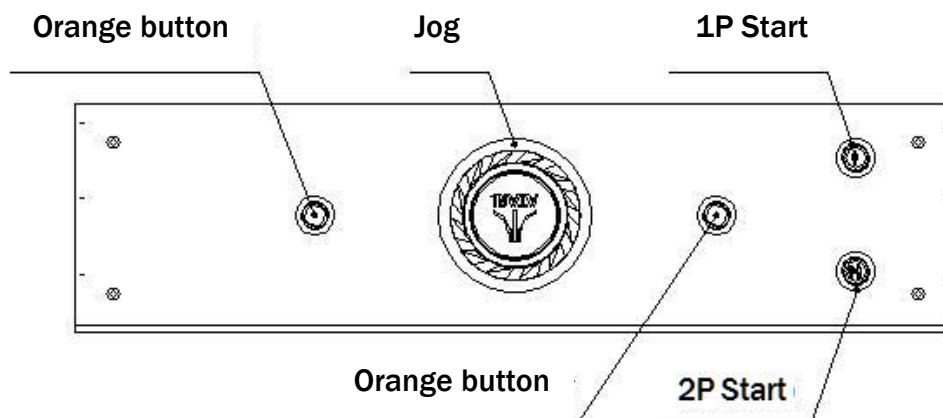


**Step 4** Locate the Power supply. Toggle the switches to 230V.



## 5. HOW TO PLAY

5.1 Press 1P Start button or 2P Start button to start the game. Move the jog to control the paddle, press the orange button to shoot. (Same function as the two orange buttons)



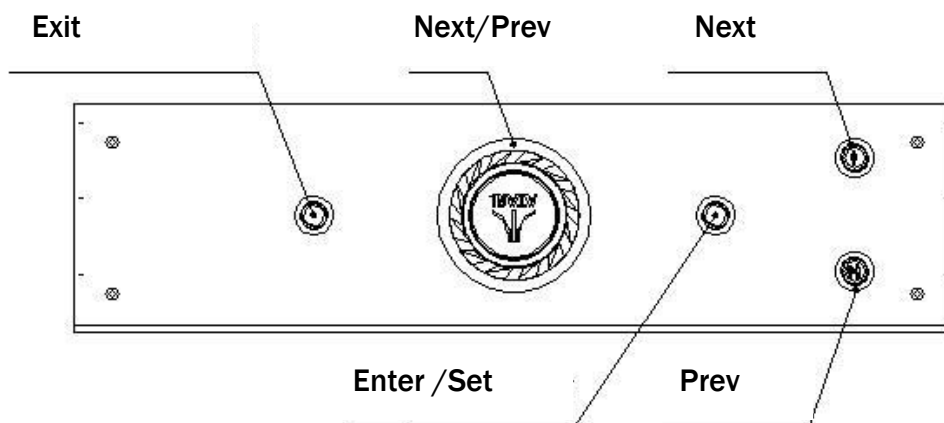
## 6. GAME OPTION

Enter into the setting menu

Locate the player 1 side, press two orange buttons and 1P Start button to make the Ball be in the middle. Then you'll see "CONF" on the display. (It doesn't work during game over time)

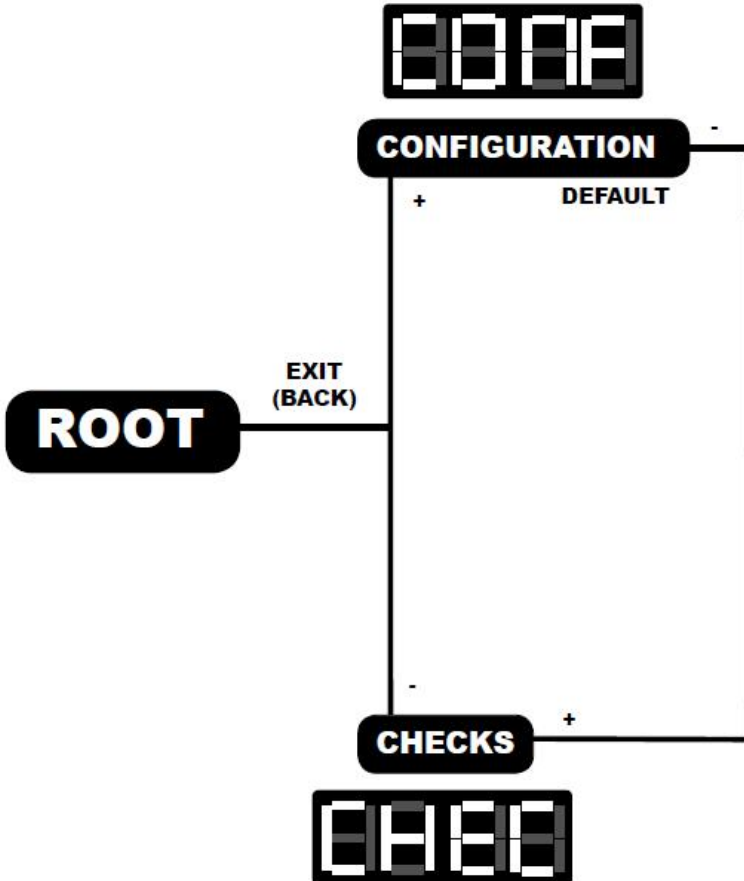


Roll the jog or press 1P and 2P to choose, press the right orange button to enter and set, press the left orange button to exit.



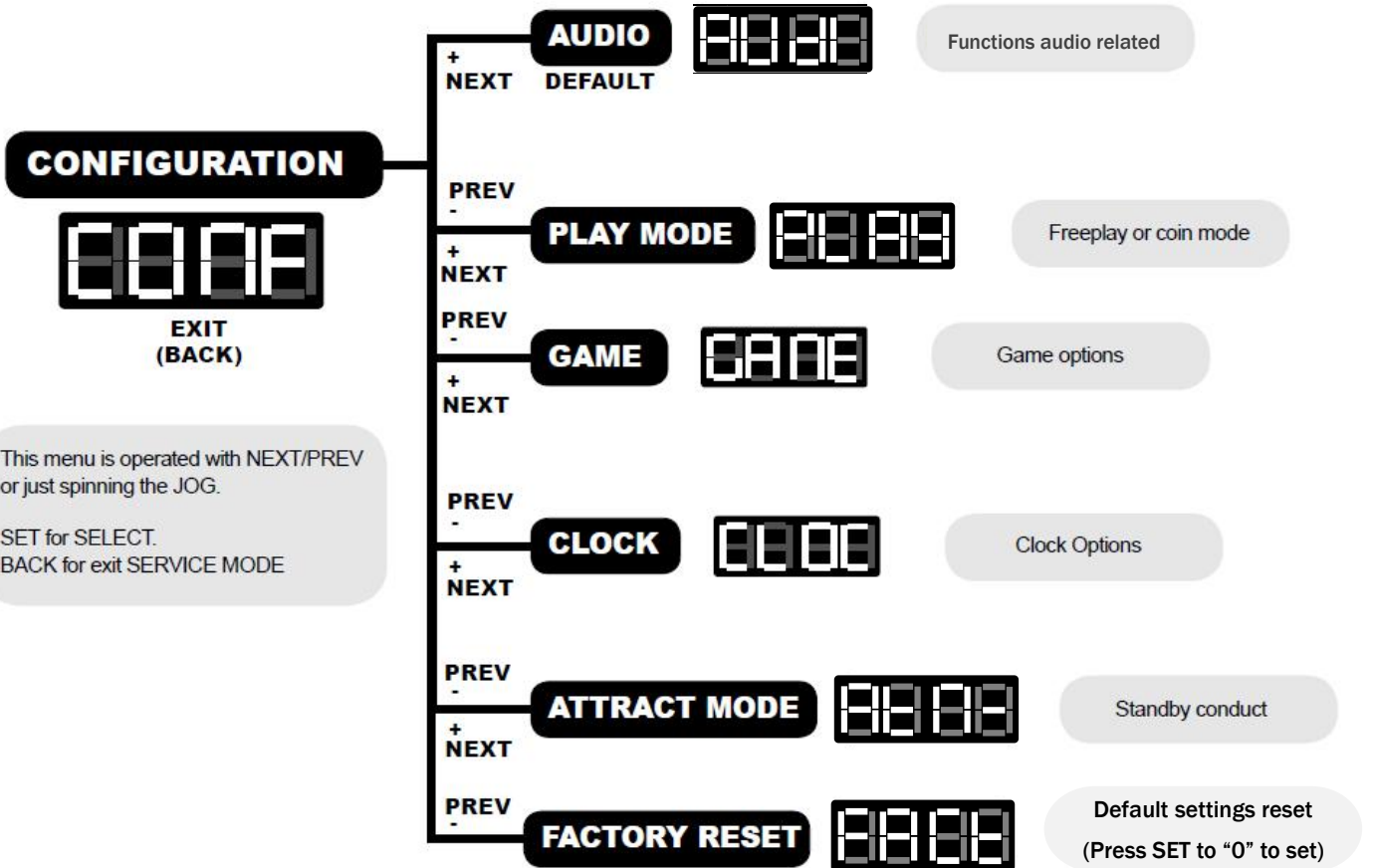
**Note:** It is the same steps when game playing.

## 6.1 Setting Menu



When SERVICE MODE is active, you will see CONF in the scoreboard by default. Spinning the JOG will switch spelling between configuration (CONF) and checks (CHEC)

PREV exits SERVICE MODE and SET selects the active option.



This menu is operated with NEXT/PREV or just spinning the JOG.

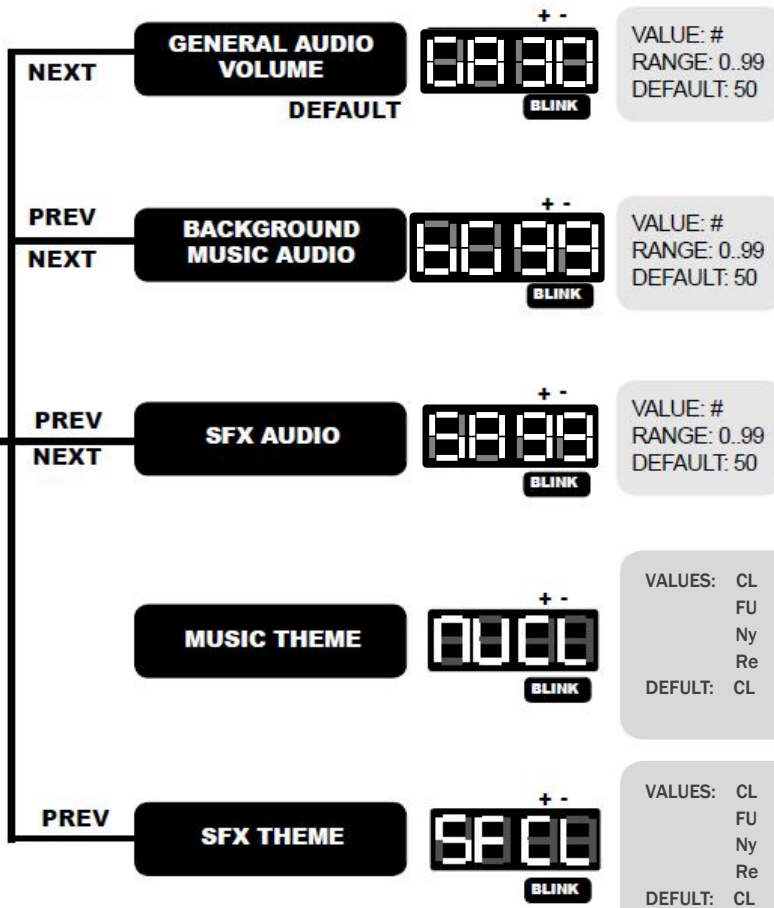
SET for SELECT.  
BACK for exit SERVICE MODE

Sound options.

This menu is navigated with NEXT/PREV

JOG changes its parameter. SET for select.

8888  
**AUDIO**  
 BACK TO CONF  
 (BACK)

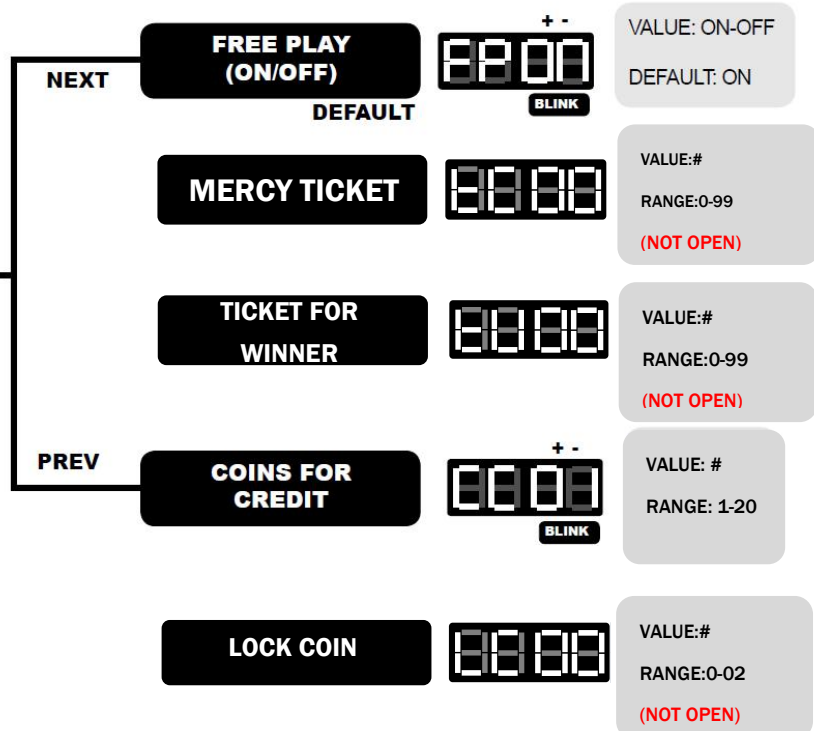


This option only applies to units fitted with a coin mechanism. Choose FREE PLAY or COIN OPERATED.

This menu is navigated with NEXT/PREV

JOG changes the parameter. SET for select.

8888  
**PLAY MODE**  
 BACK TO CONF  
 (BACK)



GAME OPTIONS:  
Mode, difficulty and speed.

This menu is navigated with  
NEXT/PREV

JOG changes its parameter.  
SET for select.

**GAME**

**GAME**

BACK TO CONF  
(BACK)

- Game Speed:
- 0—0.3175m/s
  - 1—0.4978m/s
  - 2—0.6782m/s
  - 3—0.8585m/s
  - 4—1.0389m/s
  - 5—1.2192m/s
  - 6—1.5875m/s



Clock options:

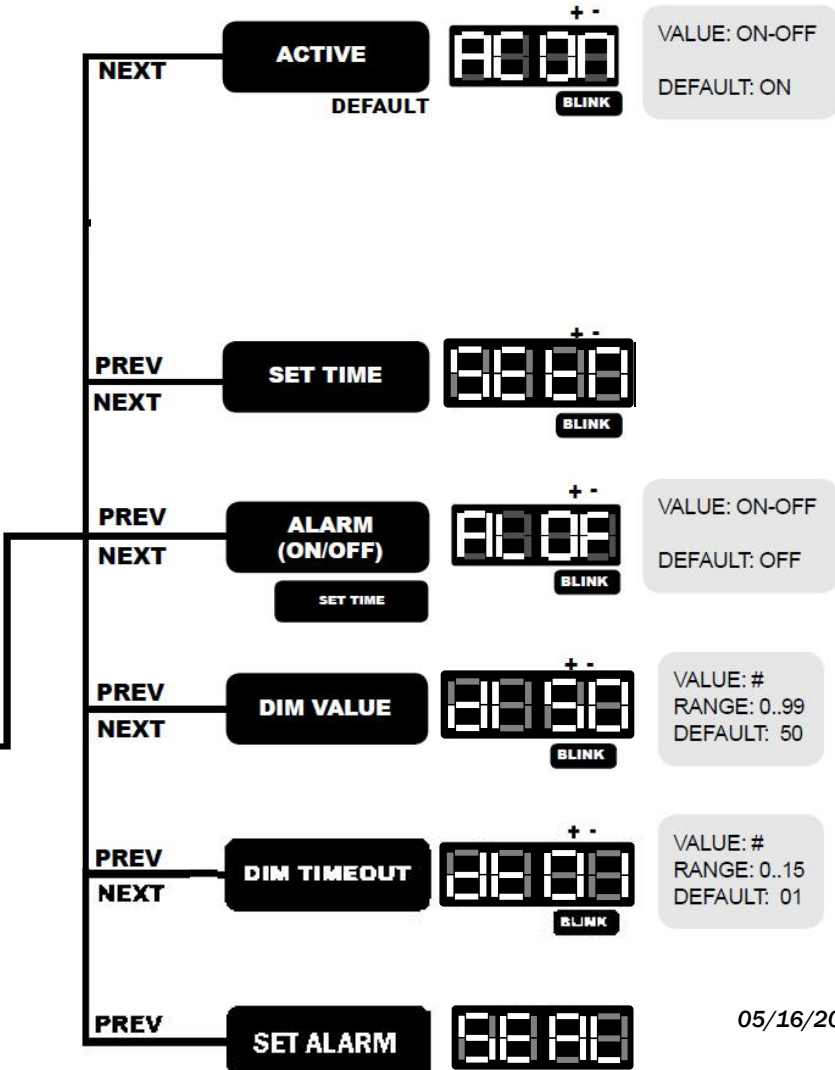
When enabled it can set format, time, alarm, scoreboard intensity when is in clock mode and time out in clock mode for intensity dimming.

This menu is navigated with  
NEXT/PREV

JOG changes its parameter.  
SET for select.

**CLOCK**

BACK TO CONF  
(BACK)



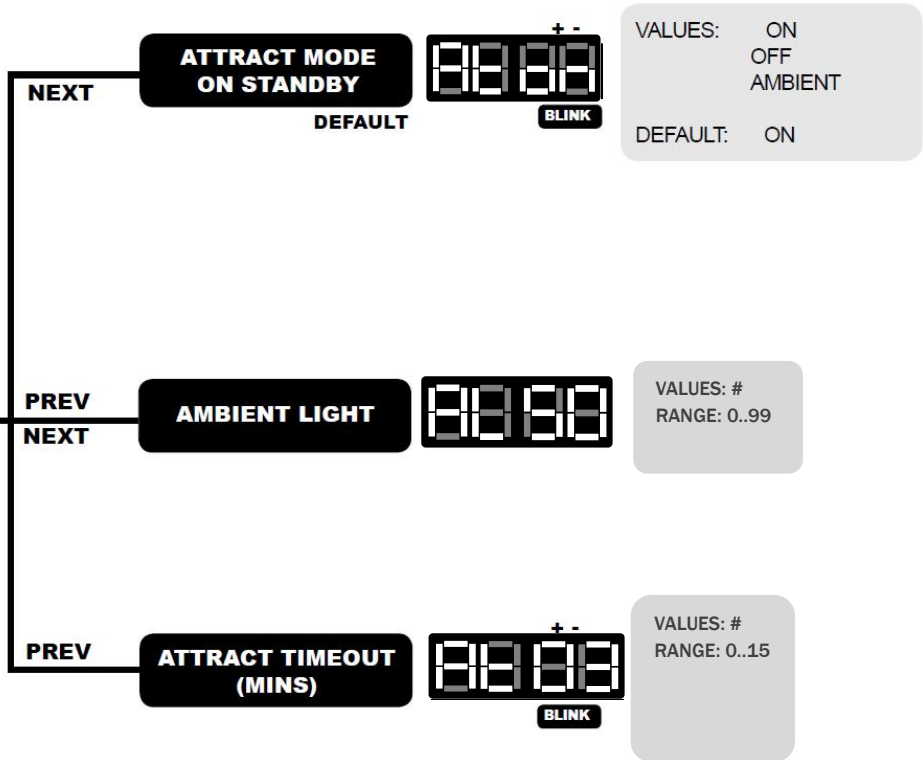


Attract mode option when the unit is in standby.

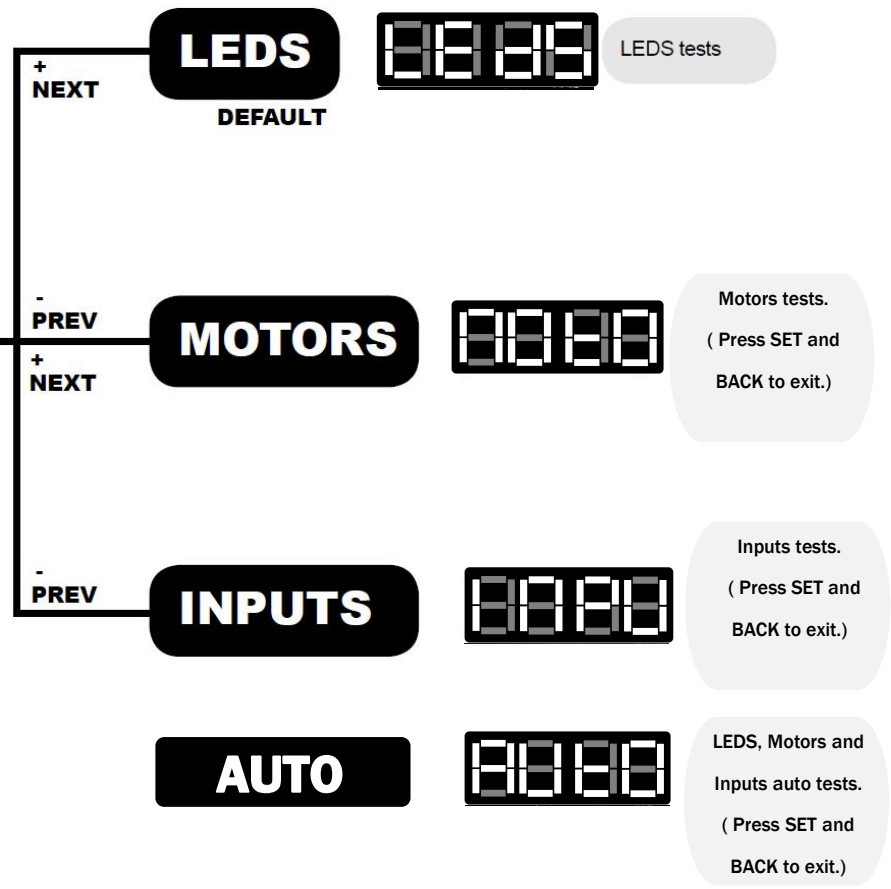
This menu is navigated with NEXT/PREV

JOG changes its parameter. SET for select.

**ATTRACT MODE**  
BACK TO CONF  
(BACK)



**CHECKS**  
EXIT  
(BACK)

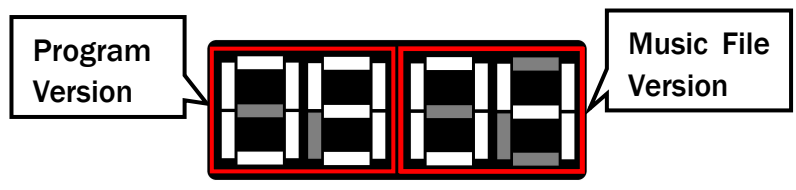


This menu is navigated with NEXT/PREV  
JOG changes its parameter.  
SET for select.  
BACK for exit SERVICE MODE

**INPUTS**  
**BACK TO CHECKS**  
 (press RIGHT 3 secs)

	Coin received
	P1 1P START pressed
	P1 2P START pressed
	P2 1P START pressed
	P2 2P START pressed
	1P LEFT pressed
	1P RIGHT pressed
	2P LEFT pressed
	2P RIGHT pressed
	JOG PLAYER 1 position
+ -	
	JOG PLAYER 2 position
+ -	

After powering on the machine, the display will show the Program Version(the left two characters) and the Music File Version(the right two characters).








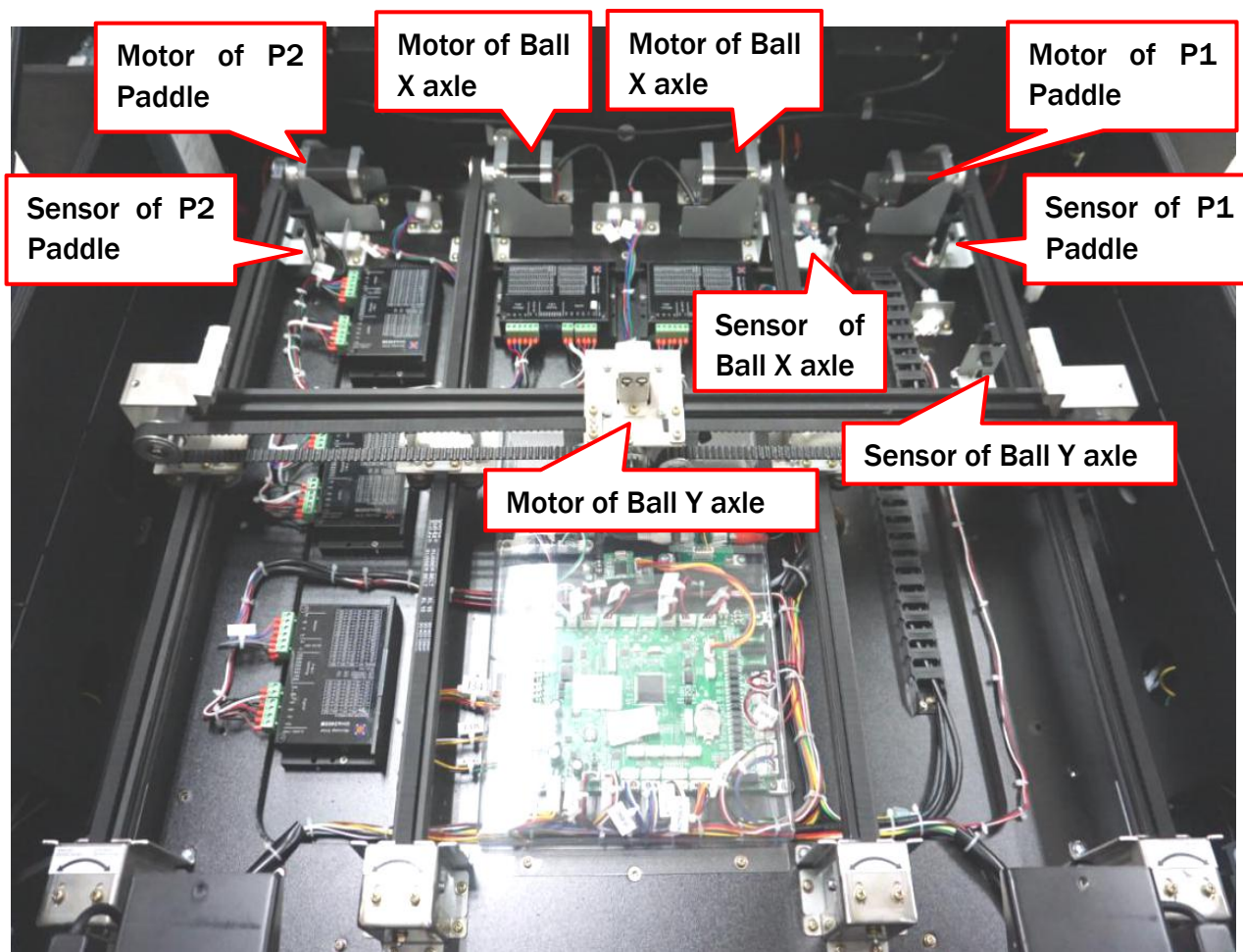
## 7. TROUBLESHOOTING

### 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 is faulty.	Contact UNIS Service.
Power off	Circuit protector changes power SW to "off".	Turn on power SW again. If appeared again and again, machine has anomaly. Please contact UNIS Service.
No sound	Low volume	Raise the volume.
	Connector loose.	Check connector.
	Speaker is faulty.	Check speaker.
	Audio cable problem.	Reconnect the audio cable or change it.
	Driver problem	Restart the audio driver.
Ball shaking	The bottom of the Ball or the playfield has dirt.	Utilize non-woven fabric with distilled water to clean the bottom of the Ball.
		Clean the playfield. (Refer to 8.4)

Error code	Possible Cause	Recommended action
	Motors of Ball X axle doesn't work.	Check the connection of motors of Ball X axle. Check the motors of Ball X axle.
	Sensor of Ball X axle doesn't work.	Check the sensor of Ball X axle.
	Motor of Ball Y axle doesn't work.	Check the connection of motor of Ball Y axle. Check the motor of Ball Y axle.
	Sensor of Ball Y axle doesn't work.	Check the sensor of Ball Y axle.
	Motor of P1 Paddle doesn't work.	Check the connection of motor of P1 Paddle. Check the motor of P1 Paddle.
	Sensor of P1 Paddle doesn't work.	Check the sensor of P1 Paddle.
	Motor of P2 Paddle doesn't work.	Check the connection of motor of P2 Paddle. Check the motor of P2 Paddle.
	Sensor of P2 Paddle doesn't work.	Check the sensor of P2 Paddle.
	Out of ticket	Fill the ticket dispenser with tickets.



## 8. MAINTENANCE & INSPECTION

### 8.1 Safety Check

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 as necessary.

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

### 8.2 Handling Precautions

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



Non-compliance with the following points or inappropriate handling running counter to the cautionary matters herein stated can cause personal injury or damage to the machine

#### NOTICE

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

### 8.3 How to Access Movement Mechanism

Before processing with assembly assure you have the following tools.

No.	Name	Picture
1	Philip's screwdriver	
2	Suction cup	

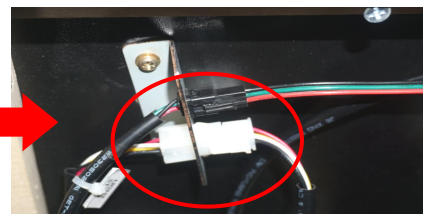
**Step 1** Power off the game and use the suction cup as shown in the picture to remove the glass.



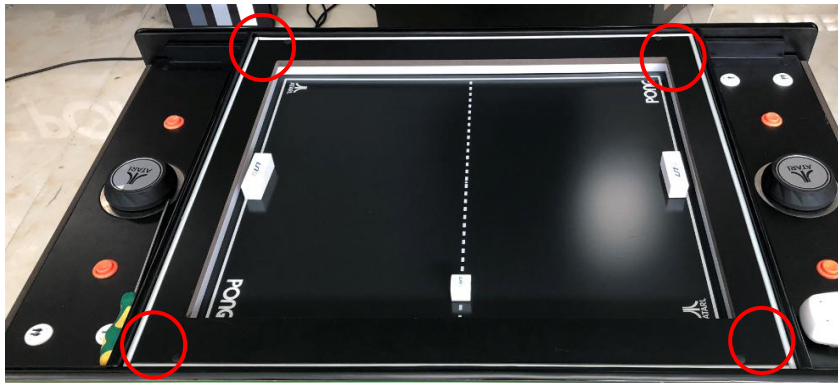
**Step 2** Open end panel of player position shown in the pictures. Remove the screw covers and loosen the screws.



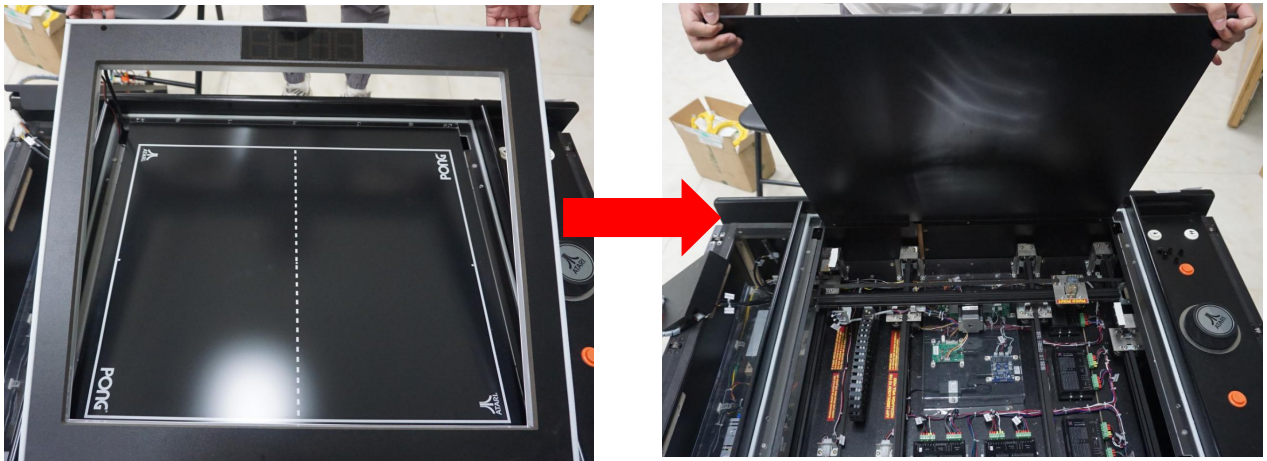
**Step 3** Open the control panel as shown. Unplug the connector as indicated by the red circle.



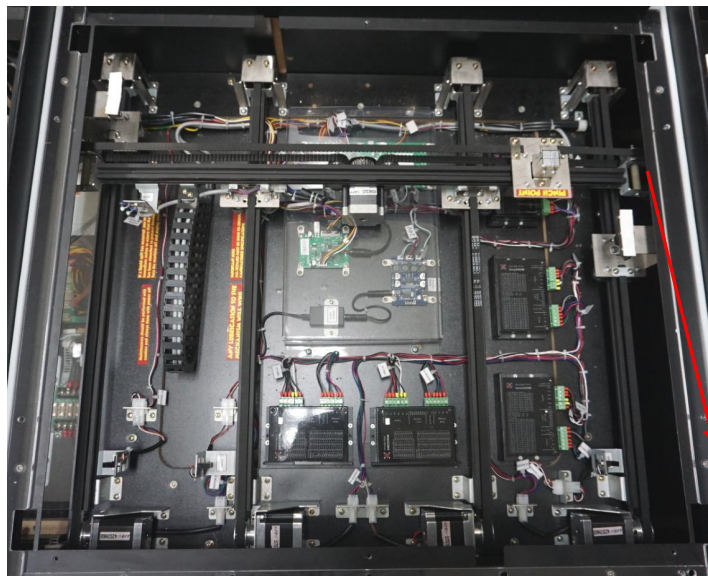
**Step 4** Remove the corner screw covers and loosen the screws.



**Step 5** Remove the frame and playfield. Remove the Paddles and Ball and place them in a safe location, please avoid them sticking together.



**Step 6** Proceed to the movement mechanism.



**CAUTION:** Do not leave the game unattended with the playfield removed.

## 8.4 How To Clean The Playfield

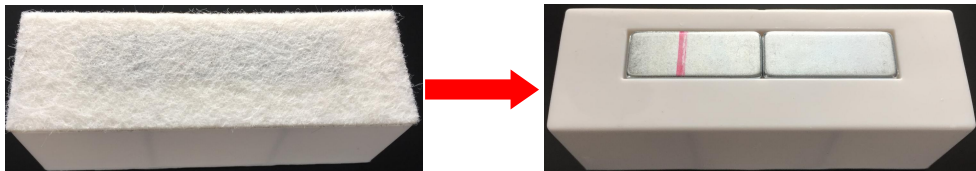
**Step 1** Power off the game and use the suction cup as shown in the picture to remove the glass.



**Step 2** Power off the game. Utilize non-woven fabric with distilled water to clean the playfield.

## 8.5 How To Replace Wool Felt Pad On Paddle

**Step 1** Remove the wool felt pad from the paddle.

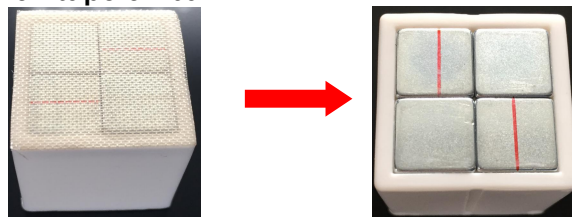


**Step 2** Adhere the new wool felt pad to the paddle.

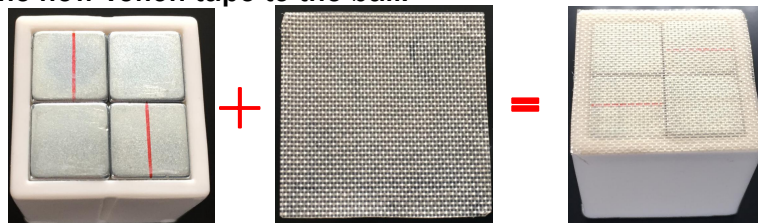


## 8.6 How To Replace The Teflon Tape On The Ball

**Step 1** Remove the Teflon tape on ball.




**Step 2** Adhere the new Teflon tape to the ball.






### 8.7 Belt Tension Adjustment Instruction for Y Axle

If noise is heard from the tracks inside the machine, one of the reasons is that the belt has loosened. Here is the process to tighten the belt.

Before processing with assembly ensure you have the following tool.

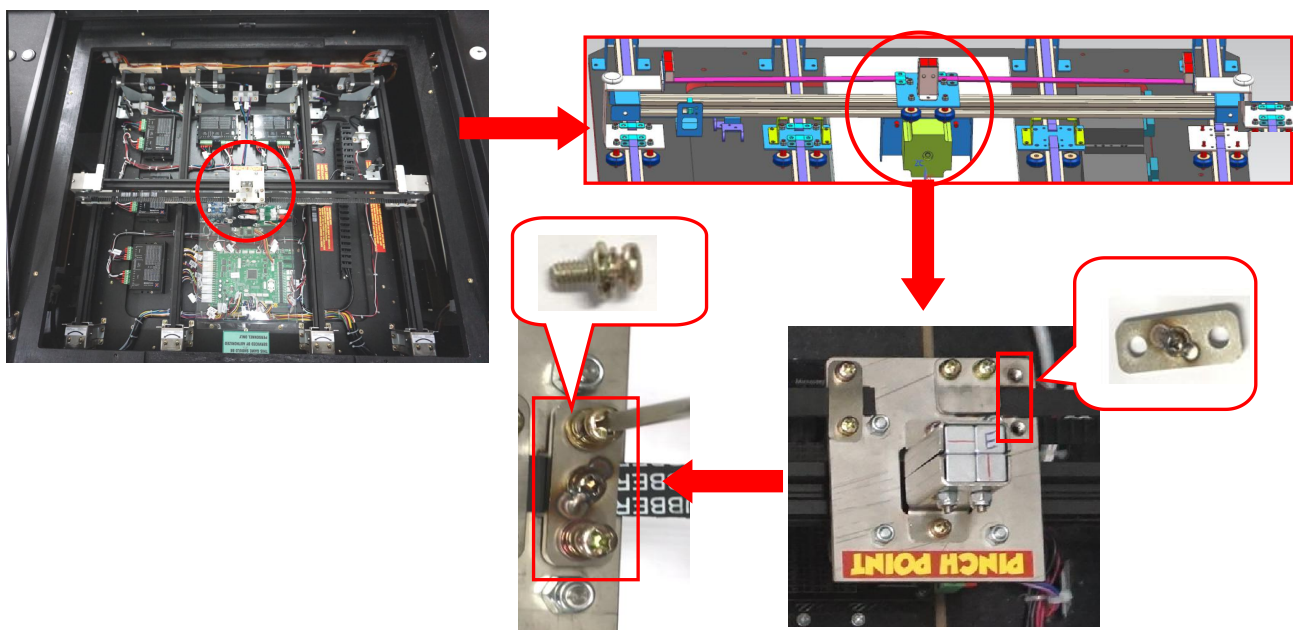
No.	Name	Picture
1	Philip's screwdriver	

Kit list (shipped with game accessories)

No.	Part No.	Code	Name	Picture	Qty
1	P156-160-000	20211707045A	Adjust plate A		1
2	P156-161-000	20211707046A	Adjust plate B		1
3	P156-324-000	20101020034	Cross recessed pan head screw set		2

**Step 1** Follow the 8.3 steps to remove the playfield.

**Step 2** Locate ball movement mechanism and place adjust plate A on it. Utilize Phillip's screwdriver to tighten two screws to fix the adjust plate A to the ball movement mechanism.





**Step 3** If the belt is still loose, please remove adjust plate A and install adjust plate B to the ball movement mechanism. (The installation method is the same as **Step 2**.)




## 8.8 Belt Tension Adjustment Instruction for X Axes

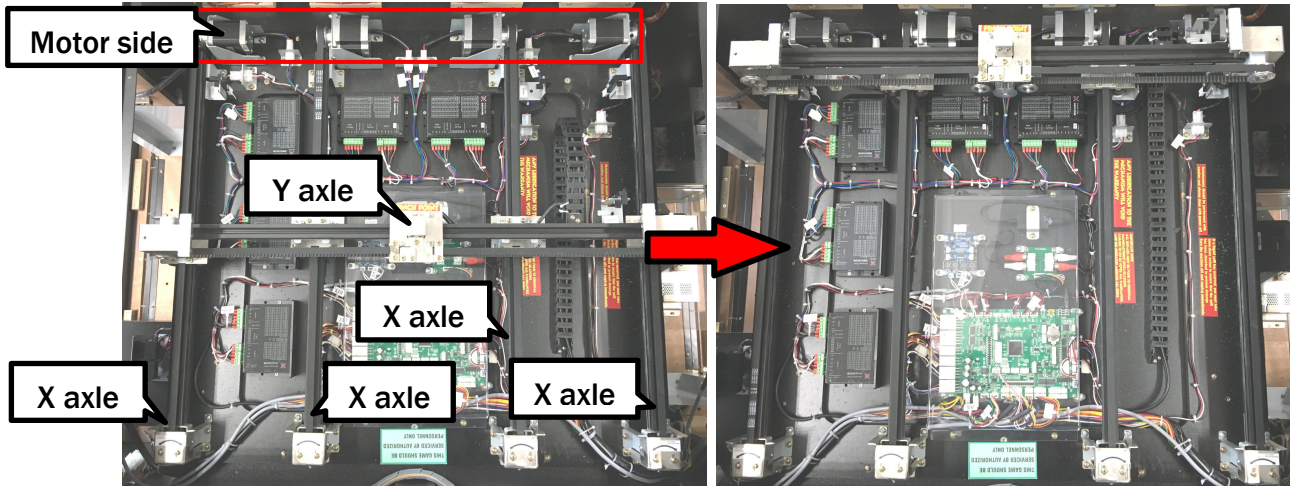
Before processing with assembly assure you have the following tools.

NO.	Name	Picture
1	Phillips screwdriver	
2	Wrench(8mm)	

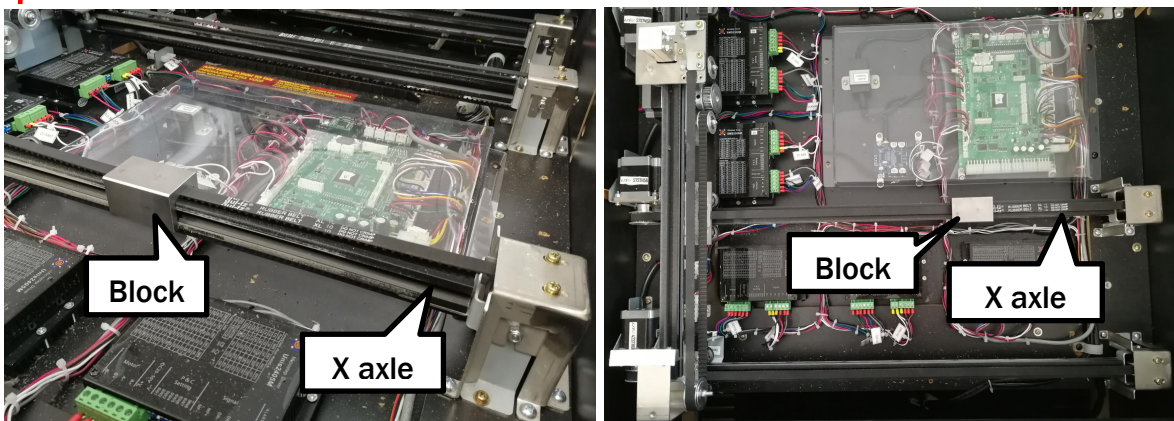
Kit list:

NO.	Name	Picture
1	Block	

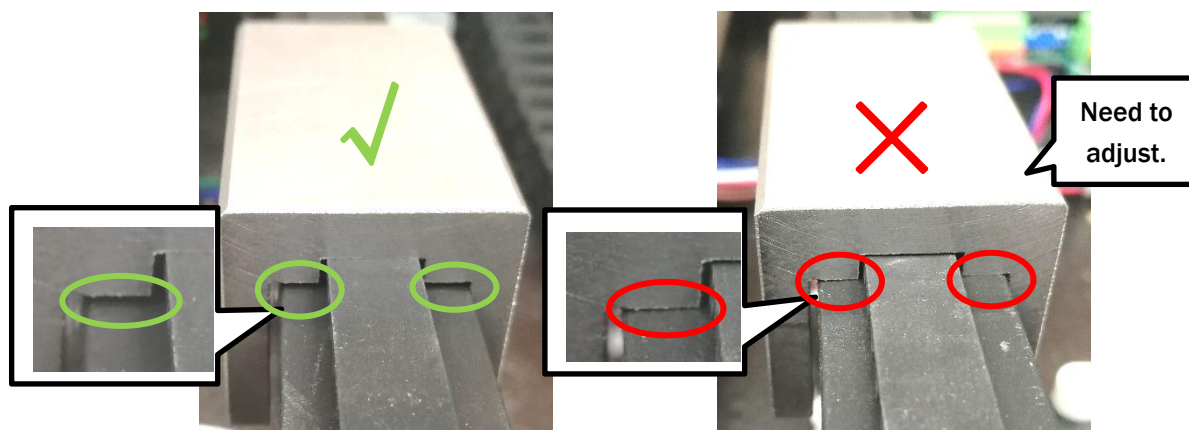
**Step 1** Follow the 8.6 steps to remove the playfield. Move Y axle to motor side.



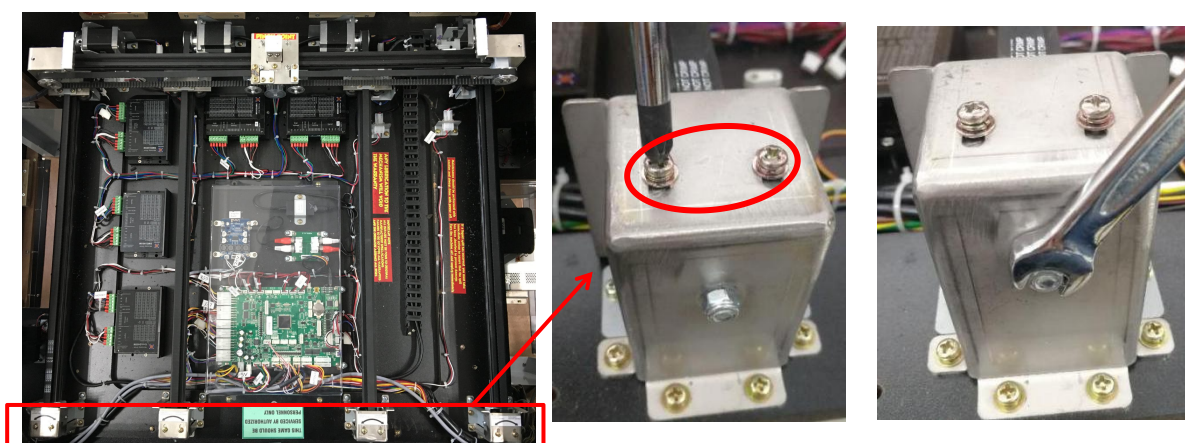
**Step 2** Locate one X axle. Place the block in the middle of the X axle.



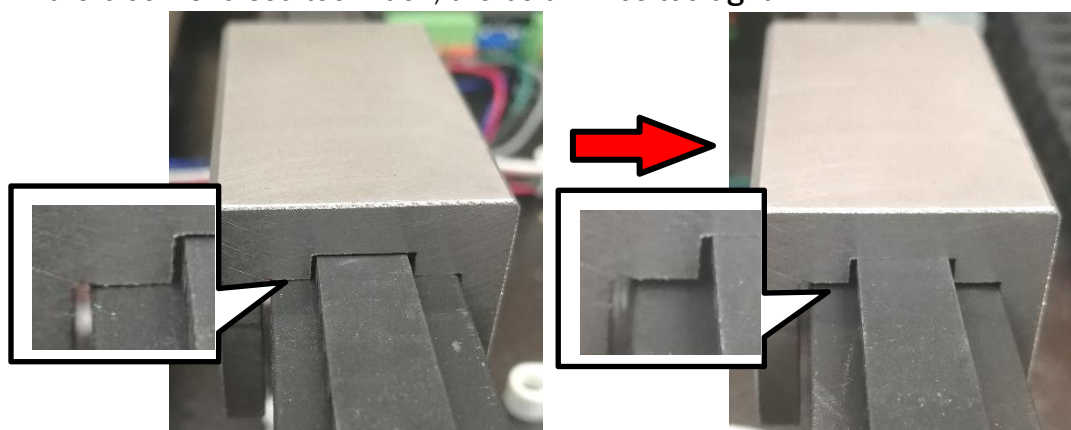
**Step 3** Check if the block is slightly above the X axle (within 0.04inch). If it is, don't adjust the belt; if it touches the X axle, adjust the belt.



**Step 4** To adjust: Utilize Phillips screwdriver to loosen the screws a bit. Utilize the wrench to adjust the nut on the side.



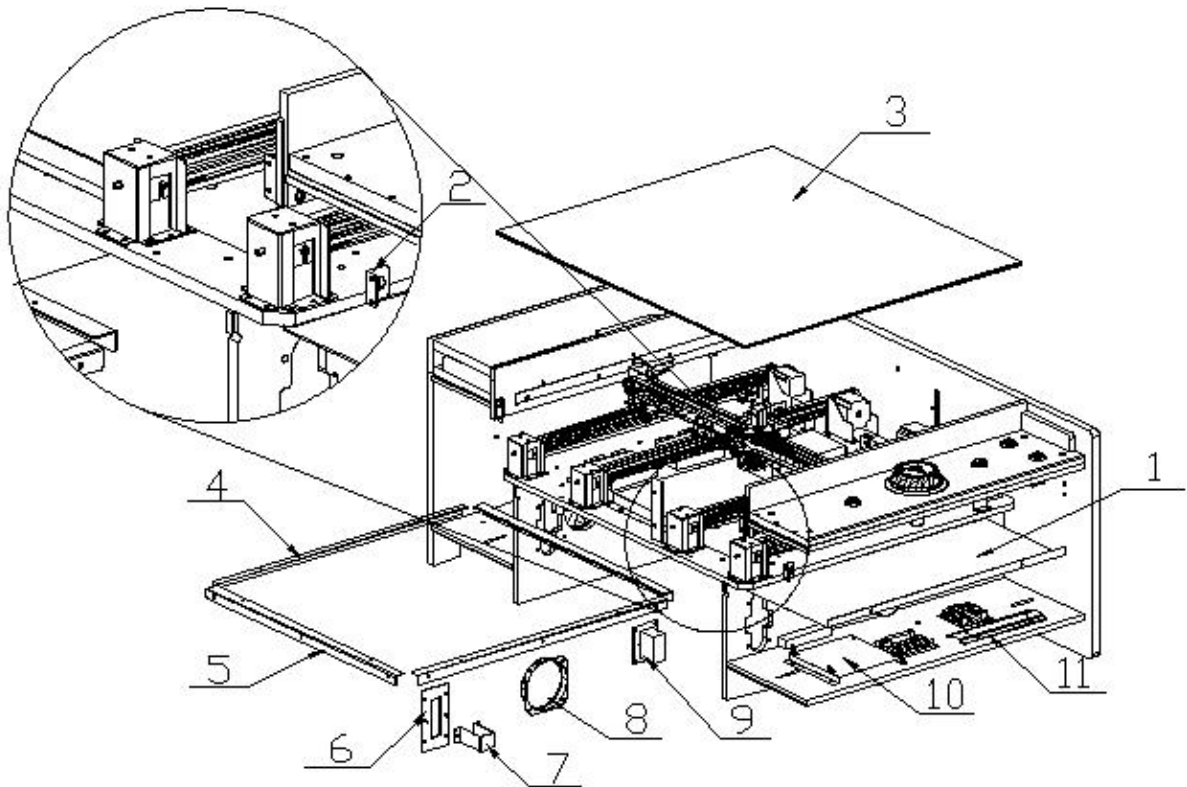
**Step 5** To adjust: Pay attention to the block when turning the wrench clockwise. Stop turning the wrench when the block is slightly raised (within 0.04 inch above the X axle). If the block is raised too much, the belt will be too tight.



**Step 6** To adjust: Remove the block and tighten the screws in **Step 4**. The adjustment method for all the 4 X axles is the same.

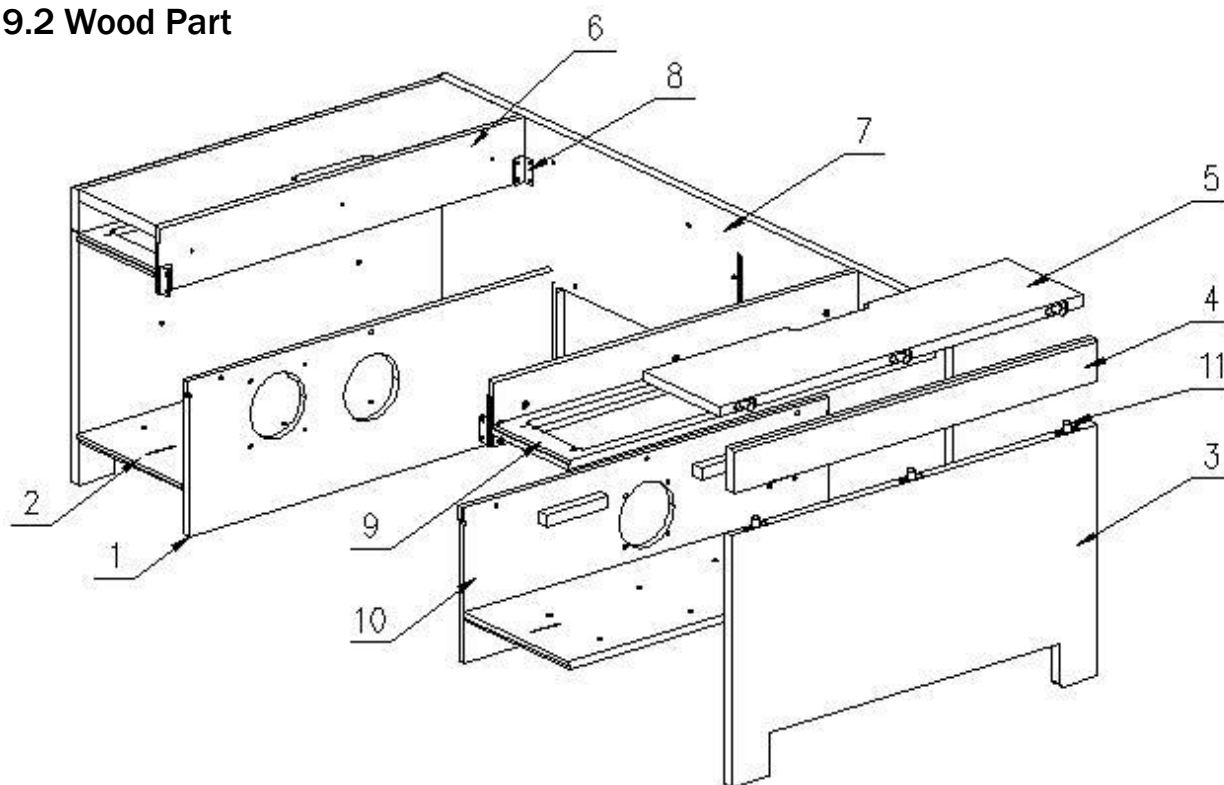
## 9. OVERALL CONSTRUCTION

### 9.1 General Assembly



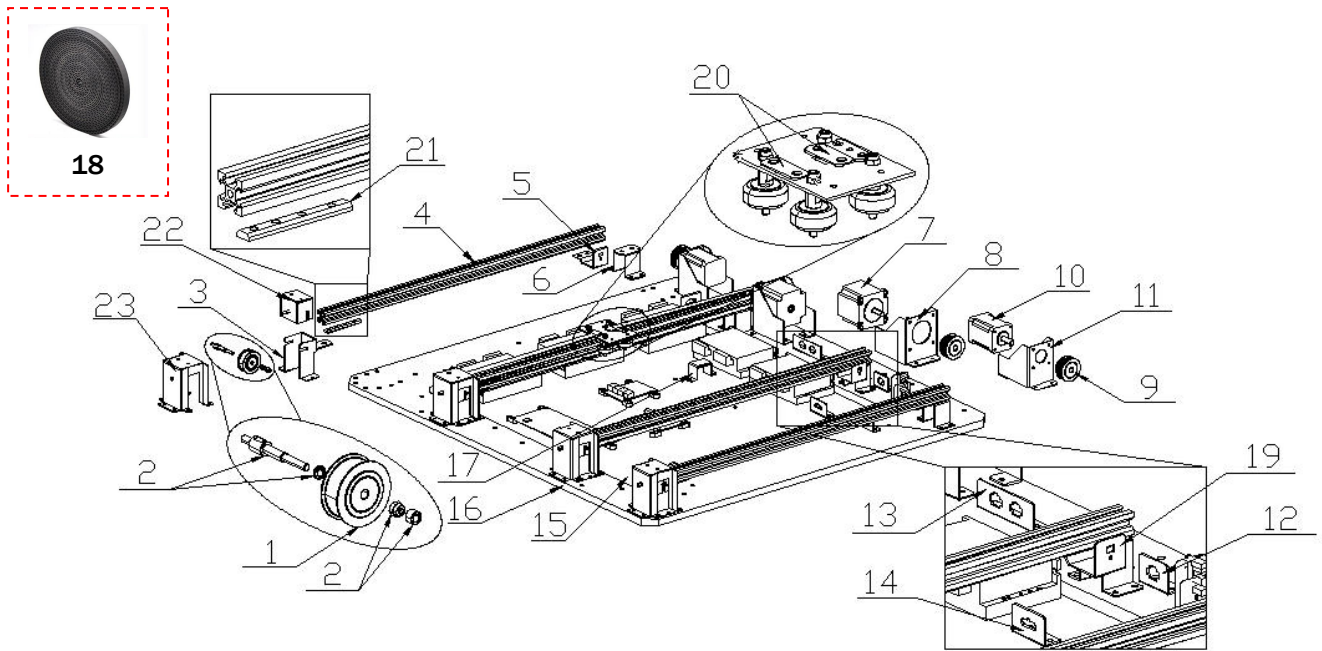
No.	Part No.	Code	Name	Qty
1	P156-105-000	20611707001	Waterproof plate	1
2	P156-106-000	20211707016A	Bracket	1
3	P156-107-000	20611707011	Glass	1
4	P156-102-000	20211707009	Bottom support A	2
5	P156-103-000	20211707010A	Bottom support B	2
6	P156-115-000	20211707039A	Panel	1
7	P156-116-000	20211707040A	Pressing plate	1
8	P156-434-000	25900016000	4"Speaker net light cover	2
9	P156-104-000	20211707011	Power supply plate	1
10	P156-181-000	26000061000	PC bracket	1
11	P156-119-000	20211707050	Power supply bracket	1

## 9.2 Wood Part



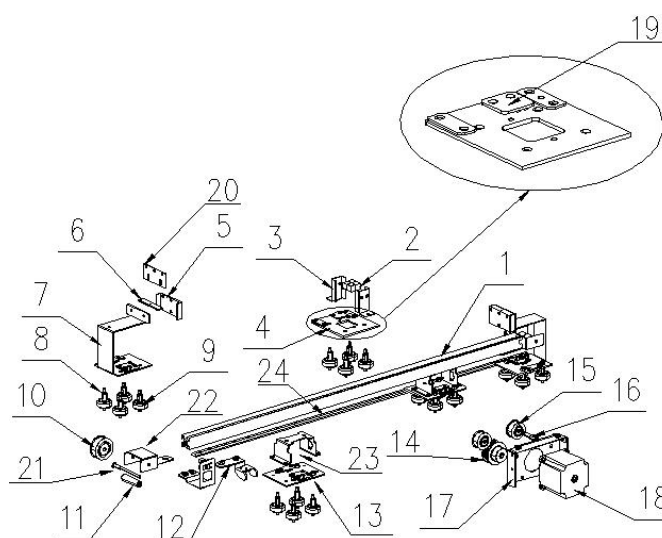
No.	Part No.	Code	Name	Qty
1	P156-505-000	20311707010D	Speaker plate A	1
2	P156-507-000	20311707012B	Side bottom plate	2
3	P156-504-000	20311707009B	Front plate	2
4	P156-510-000	20311707002B	Control panel side cover	2
5	P156-511-000	20311707003C	Control panel top cover	2
6	P156-508-000	20311707001A	Control panel front plate	2
7	P156-503-000	20311707008B	L&R side plate	2
8	P156-120-000	20211707012	Connect plate	4
9	P156-509-000	20311707013	Control panel bottom plate	2
10	P156-506-000	20311707011B	Speaker plate B	1
11	P156-445-000	26300030003	Hinge	12

### 9.3 Movement Mechanism



No.	Part No.	Code	Name	Qty
1	P156-124-000	20211707032A	Idle wheel A	4
2	P156-125-000	20211707047B	Idle wheel axle	4
	P156-304-000	20102000022	Non-metallic hexagon lock nut	4
	P156-301-000	20113000055	C flat washer	4
	P156-126-000	20211707054	Wheel sleeve	4
	3	P156-123-000	20211707017B	Idle wheel A bracket
4	P156-148-000	20211707035	X axle track	4
5	P156-147-000	20211707023B	Sensor SW bracket	3
6	P156-146-000	20211707022	Track bracket	4
7	P156-447-000	23406000031	Hybrid stepping motor	2
8	P156-134-000	20211707020A	57 motor bracket A	2
9	P156-133-000	20211707033	Driving wheel	4
10	P156-446-000	23406000030	Hybrid stepping motor	2
11	P156-132-000	20211707019	42 motor bracket	2
12	P156-151-000	20211707025	Wiring plate B	2
13	P156-150-000	20211707024	Wiring plate A	1

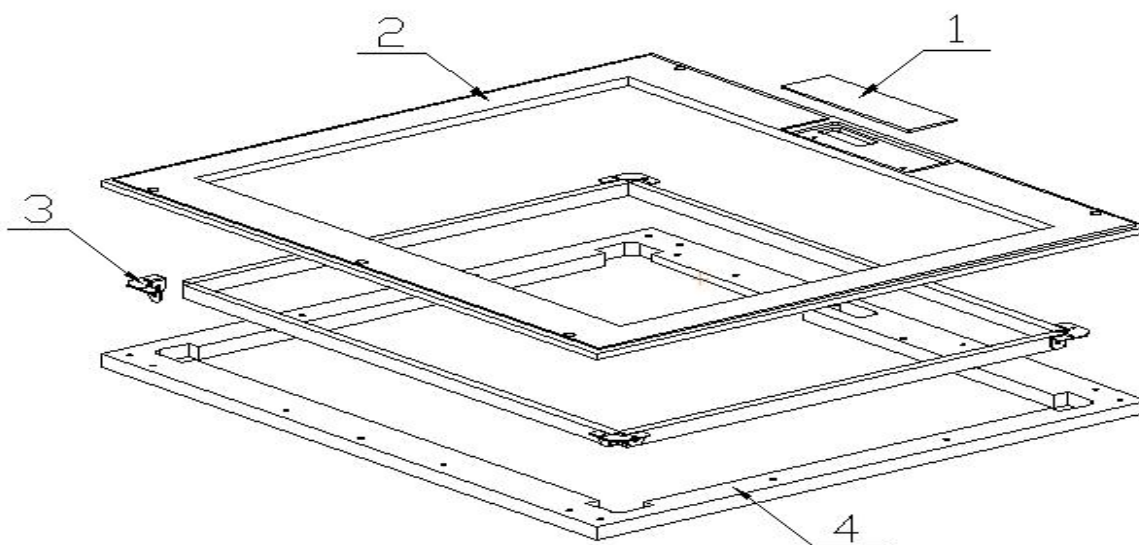
No.	Part No.	Code	Name	Qty
14	P156-152-000	20211707026	Wiring plate C	3
15	P156-502-000	20311707M002	Electric part support plate	1
16	P156-501-000	20311707M001	Support plate	1
17	P156-154-000	20211707041	Small pressing plate	1
18	P156-448-000	26504010002	Belt	7500mm(295.27in)
19	P156-157-000	20211707052A	Sensor SW bracket	1
20	P156-158-000	20211707043A	Fix plate A	9
21	P156-162-000	20211707049A	Short fix bar	8
22	P156-127-000	20211707058	Axle plate	4
23	P156-128-000	20211707059	Limit bracket	4



No.	Part No.	Code	Name	Qty
1	P156-149-000	20211707036	Y axle track	1
2	P156-454-000	23502000049	Strong NdFeB magnet	4
3	P156-145-000	20211707006B	Magnet plate B	2
4	P156-144-000	20211707005B	Y axle bracket	1
5	P156-142-000	20211707004A	Magnet plate A	2
6	P156-452-000	23502000041	Magnet	4
7	P156-141-000	20211707003B	X axle bracket	2
8	P156-139-000	20211707048A	Wheel shaft	20
9	P156-140-000	20611707030	Axle wheel	20
10	P156-124-000	20211707032A	Idle wheel A	2

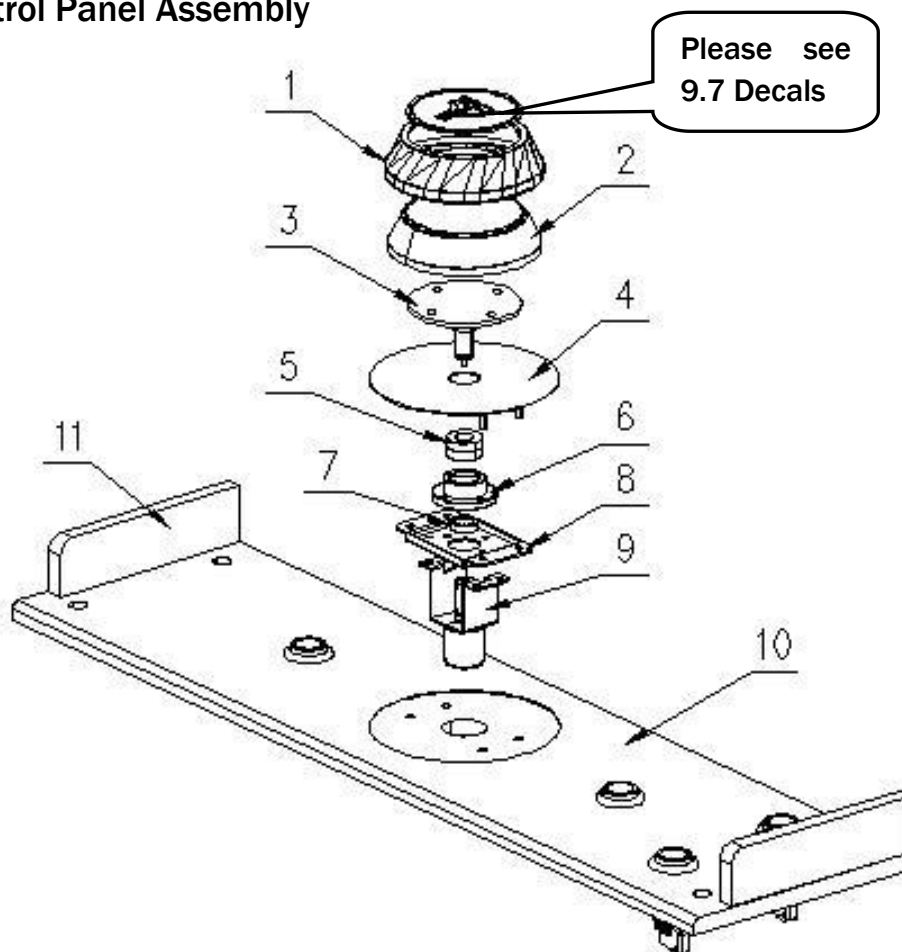
No.	Part No.	Code	Name	Qty
11	P156-130-000	20611707026A	Support bracket axle	2
12	P156-153-000	20211707027A	Chain mounting plate	1
13	P156-138-000	20211707002B	Y axle bracket	2
14	P156-133-000	20211707033A	Driving wheel	1
15	P156-136-000	20211707034A	Idle wheel B	2
16	P156-137-000	20211707007B	Axle	2
17	P156-135-000	20211707021A	58 motor bracket B	1
18	P156-447-000	23406000031	Hybrid stepping motor	1
19	P156-159-000	20211707044A	Fix plate B	1
20	P156-143-000	20211707042	Magnet back plate	2
21	P156-131-000	20211707055	Idle wheel axle B	2
22	P156-129-000	20211707018B	Idle wheel B bracket	2
23	P156-156-000	20211707051A	Connecting bracket	2
24	P156-163-000	20211707053	Long fix bar	1

### 9.4 Frame Assembly



No.	Part No.	Code	Name	Qty
1	P156-168-000	20611707033	Light barrier	1
2	P156-512-000	20311707004C	Frame top plate	1
3	P156-166-000	20211707028	Connecting plate	4
4	P156-513-000	20311707005C	Frame bottom plate	1

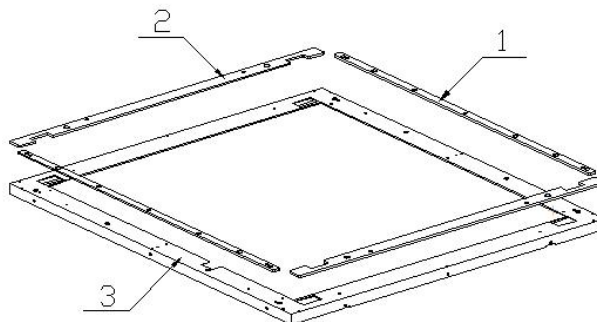
### 9.5 Control Panel Assembly



No.	Part No.	Code	Name	Qty
1	P156-171-000	20611707008	Jog shell	2
2	P156-170-000	20611707009	Jog	2
3	P156-174-000	20211707008B	Rotation axle	2
4	P156-169-000	20211707037	Decoration panel	2
5	P156-456-000	20106000318	BR	2
6	P156-172-000	20211707013A	BR bracket	2
7	P156-175-000	20211707038	Axle sleeve	2
8	P156-173-000	20211707029	Support plate	2
9	P156-176-000	20211707030	Coder bracket	2
10	P156-514-000	20311707006B	Control panel plate	2
11	P156-515-000	20311707007B	Control panel side plate	4

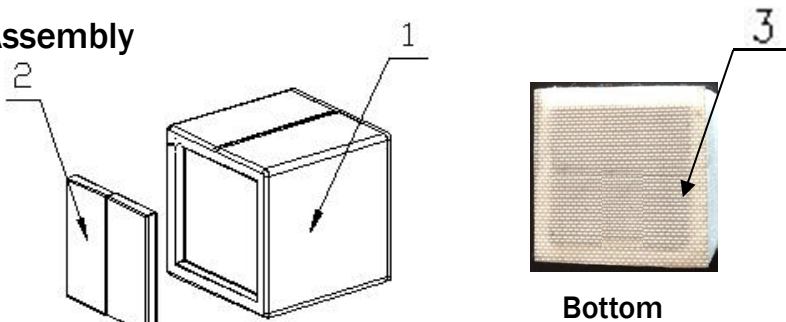


### 9.6 Water Proof Assembly



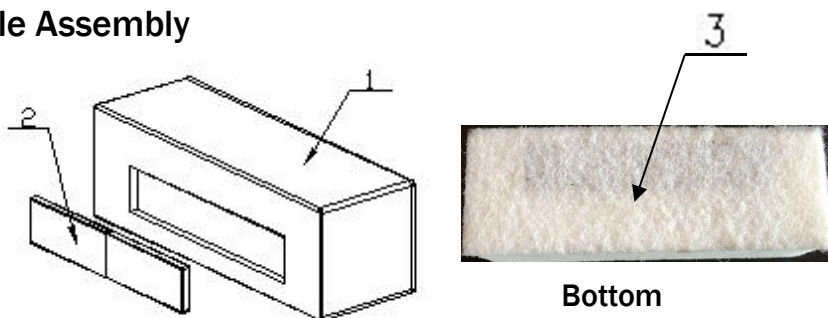
No.	Part No.	Code	Name	Qty
1	P156-180-000	20611707007A	Inside pad B	2
2	P156-179-000	20611707006A	Inside pad A	2
3	P156-178-000	20211707014	Water proof plate	1

### 9.7 Ball Assembly



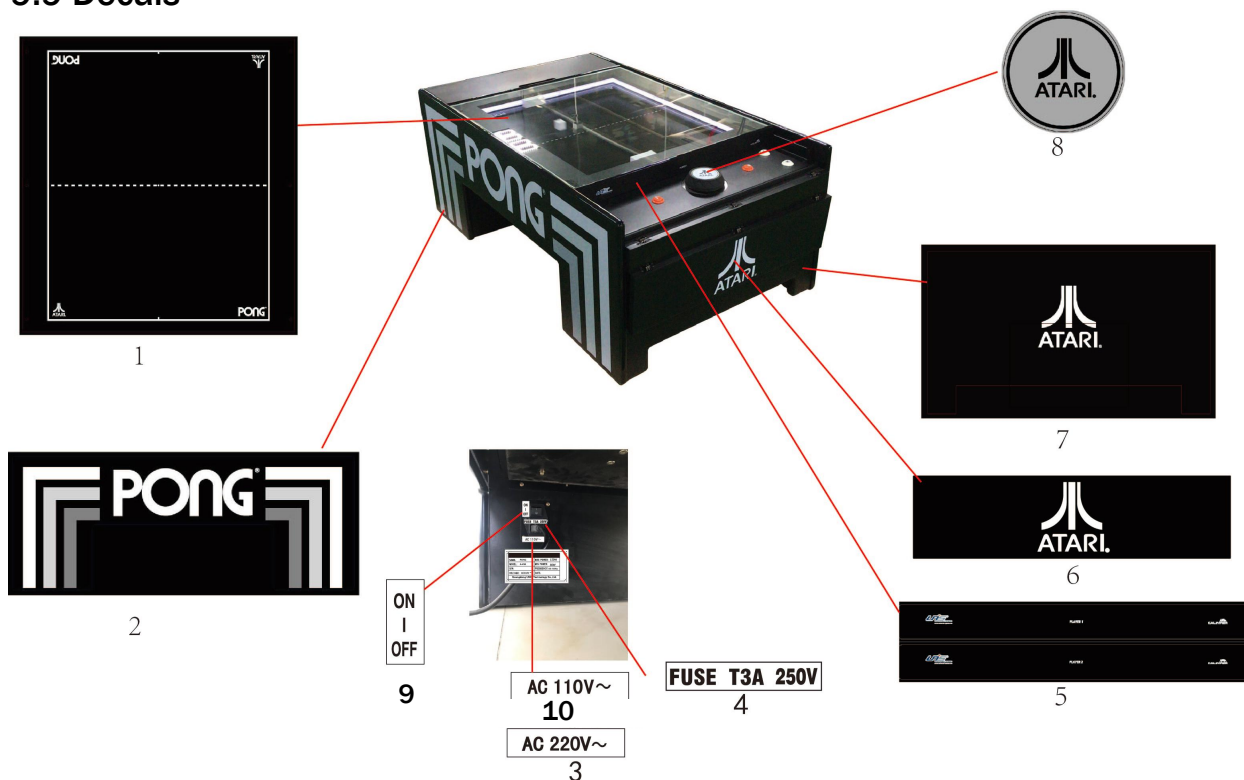
No.	Part No.	Code	Name	Qty
1	P156-110-000	20611707012A	Ball	1
2	P156-453-000	23502000048	Magnet	4
3	P156-460-000	40203020002	Teflon tape	1

### 9.8 Paddle Assembly



No.	Part No.	Code	Name	Qty
1	P156-113-000	20611707013A	Paddle	2
2	P156-452-000	23502000041	Magnet	4
3	P156-114-000	20611707020A	Wool felt pad	2

### 9.9 Decals



No.	Part No.	Code	Name	Qty
1	P156-704-000	20511707001C	Playfield decal	1
2	P156-708-000	20511707005B	Side decal	2
3	P156-726-000	25600000072	220V label	1
4	P156-727-000	25600000073	Fuse label	1
5	P156-713-000	20511707012C	LOGO label	1
6	P156-707-000	20511707004B	Control panel decal	2
7	P156-706-000	20511707003B	Front decal	2
8	P156-705-000	20511707002	ATARI Logo	2
9	P156-722-000	25600000017	Power SW label	1
10	P156-725-000	25600000071	110V label	1

**THIS GAME SHOULD BE SERVICED BY AUTHORIZED PERSONNEL ONLY**

**13**

**14**

**15**

**12** Lift Here To Remove  
Lift Here To Remove

**ANY LUBRICATION TO THE MECHANISM WILL VOID THE WARRANTY**

**IMPORTANT NOTE**  
ALL REPAIRS MUST BE DONE TO ORIGINAL MANUFACTURER SPECIFICATIONS.  
PLEASE DO NOT REMOVE ALL WHEELS FROM THE GAME ASSEMBLY UNLESS MAINTENANCE SHOULD BE PERFORMED WITH THE GAME ASSEMBLY UNPLUGGED.  
IF A FURTHER CHECK HAS OCCURRED, PLEASE CONTACT THE MANUFACTURER FOR FURTHER ASSISTANCE.  
**PINCH POINT**

**1**

**2**

**3**

**4**

**5**

**6**

**7** TUV FUSE BOARD  
TUV DISPLAY

**8**

**9**

**10**

**11**

**12**

**13**

**14**

**15**

X Axle  
X Axle  
Y Axle  
X Axle  
X Axle

**WARNING**

NAME: PONG MAX POWER: 200W  
MODEL: A-425 MIN POWER: 60W  
VOLTAGE: AC220V-240V FREQUENCY: 50/60HZ  
S/N: DATE: Guangdong UNIS Technology Co., Ltd.

NAME: PONG MAX POWER: 200W  
MODEL: A-425 MIN POWER: 60W  
VOLTAGE: AC220V-240V FREQUENCY: 50/60HZ  
S/N: DATE: Guangdong UNIS Technology Co., Ltd.

Suitable for Indoor Use Only  
NAME: PONG MAX POWER: 200W  
MODEL: A-425 MIN POWER: 60W  
VOLTAGE: AC220V-240V FREQUENCY: 50/60HZ  
S/N: DATE: Guangdong UNIS Technology Co., Ltd.

F1/5A MOTOR P1  
F2/5A MOTOR P2  
F3/5A MOTOR Y  
F4/5A P2MOTOR X  
F5/5A P1MOTOR X

J1/5A MAIN BOARD 12V  
J3/5A MM BOARD 5V

**16**

MOT\_EN MOT\_J1 MOT\_J2 MOT\_X1 MOT\_X2

MOT\_Y  
SENS-J1  
SENS-J2  
SENS-X  
SENS-Y

12V  
5V

BAND SCORE ENC J2 BUTTON J2 ENC J1 BUTTON J1

MOTOR P1 MOTOR P2 P1 MOTOR X P2 MOTOR X P1 MOTOR X MOT\_J1 ENC-P1

L R BUTTON J2 SENS-J1 SENS-Y P2 MOTOR X MOT\_J2 ENC-P2

24V BUTTON J1 SENS-J1 SENS-Y MOTOR P2 MOT\_X1 BAND

P1 SENSOR ENC J2 SENS-J2 12V MOTOR Y MOT\_X2 MOT\_EN

P2 SENSOR ENC J1 P2 MOTOR X 5V MOTOR P2 MOT\_Y SCORE

MOTOR P1 P1 MOTOR X MOTOR Y MOTOR P2

J35 J38

L 24V R

MOTOR Y  
P2 MOTOR X  
P1 MOTOR X  
P2 SENSOR

MOTOR P1 P1 MOTOR X P2 MOTOR X MOTOR P2

P2 MOTOR X P2 MOTOR X MOTOR Y MOTOR P2 MOTOR P1

No.	Part No.	Code	Name	Qty
1	P156-714-000	20511707013A	220V nameplate	1
2	P156-715-000	20511707014A	TUV 110V nameplate	1
3	P156-716-000	20511707015A	TUV 220V nameplate	1
4	P156-709-000	20511707008A	110V nameplate	1
5	P156-717-000	20511707016	CE 110V nameplate	1
6	P156-702-000	20511707A007	Wiring label	1
7	P156-718-000	20511707017	Short circuit board label	1

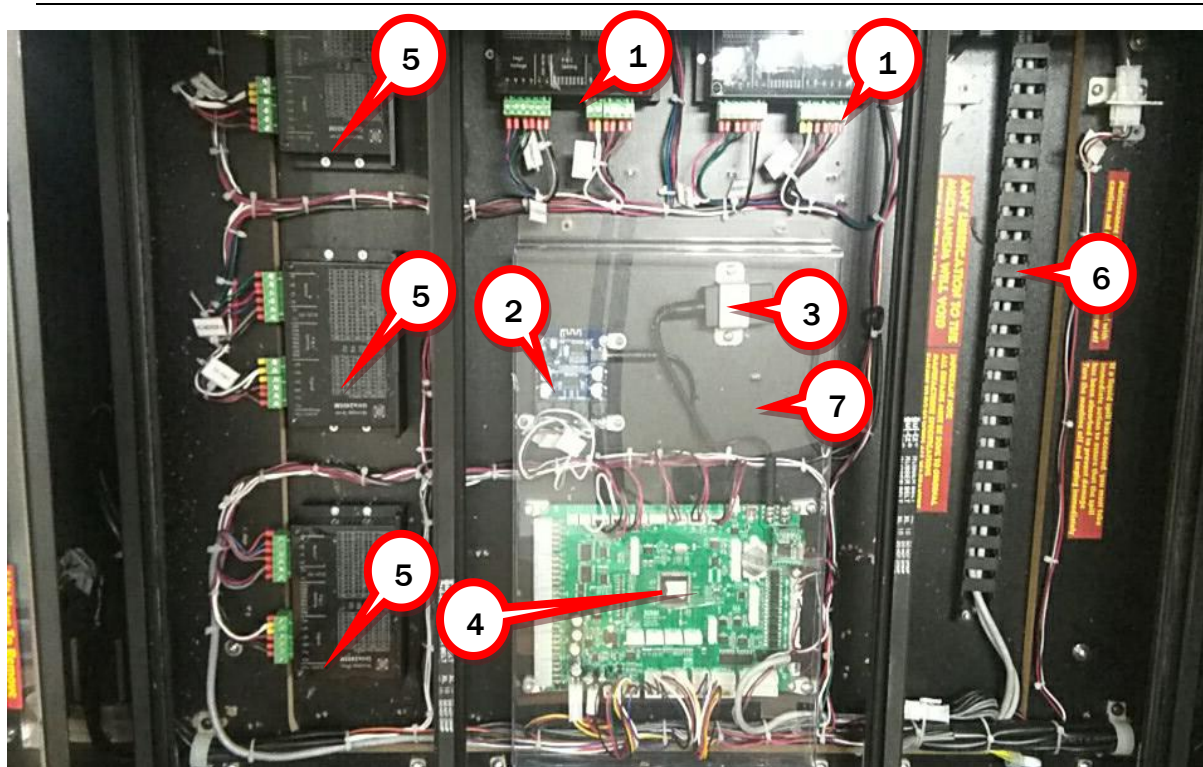
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No.	Part No.	Code	Name	Qty
8	P156-711-000	20511707010A	Motor label	1
9	P156-721-000	20511707020	X axle & Y axle label	1
10	P156-703-000	20511707A009	GND label	2
11	P156-710-000	20511707009B	No lubrication label	1
12	P156-712-000	20511707011B	Service label	1
13	P156-724-000	25600000042	Service label 1	1
14	P156-720-000	20511707019	Belt direction label	1
15	P156-723-000	25600000036	Warning label	2
16	P156-701-000	20511707M001	Components label	1

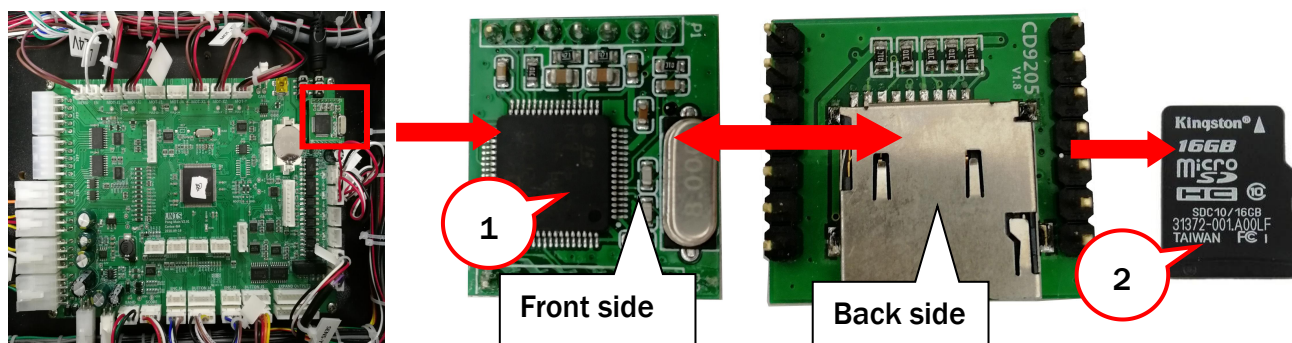
## 9.10 Electrical Components



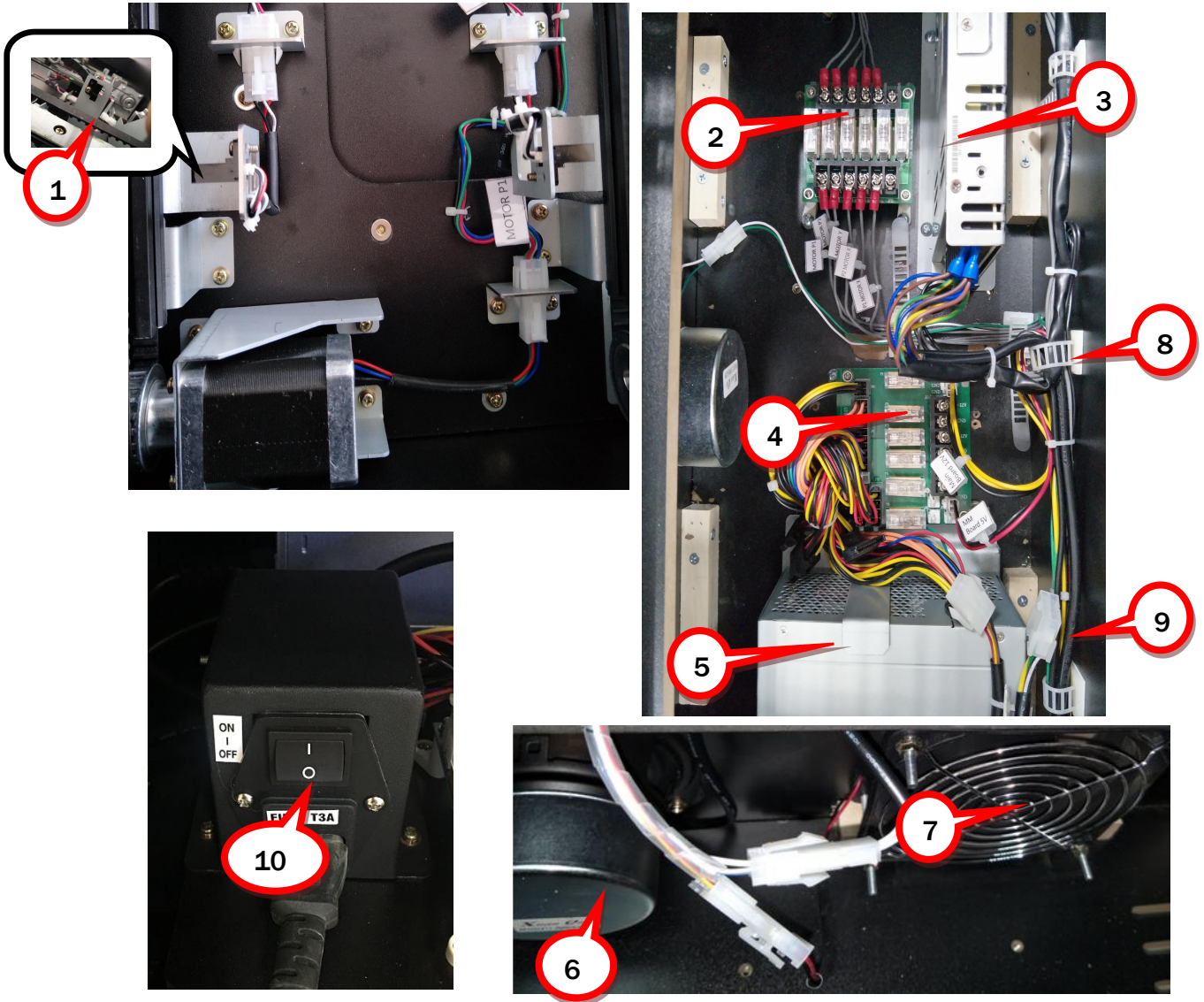
No.	Part No.	Code	Name	Qty
1	P156-404-000	23407030001	Coder	2
2	P156-407-000	22401170004	Orange button	4
	P156-402-000	22604000006	Micro SW	4
3	P156-405-000	22401170002	White button 1P	2
	P156-406-000	22401170003	White button 2P	2
	P156-402-000	22604000006	Micro SW	4
4	P156-412-000	22002020001	Light strip	1
5	P156-425-000	29711707006D	Display board	1
6	P156-409-000	22201010001	Light slot 1	2
7	P156-410-000	22201010002	Light slot 2	2



No.	Part No.	Code	Name	Qty
1	P156-444-000	23407010006	Motor driver	2
2	P156-430-000	22803010008	Amplifier board	1
	P156-403-000	23305000008	Audio cable	1
3	P156-431-000	22807000003	Audio isolator	1
4	P156-433-000	29711707009B	Main board	1
	P156-432-000	21901000010	Fuse	1
5	P156-443-000	23407010007	Motor driver	3
6	P156-413-000	26503020027	Belt	1
7	P156-155-001	20611707H016	Dust-free Cover	1



No.	Part No.	Code	Name	Qty
1	P156-422-000	51306000020	Quadraphonic mixing module	1
2	P156-423-001	21107010038	TF card	1



No.	Part No.	Code	Name	Qty
1	P156-416-000	21503000055	Sensor SW	4
2	P156-427-000	21714000148	Short circuit board	1
3	P156-408-000	21602000105	Power supply	1
	P156-432-000	21901000010	Fuse	1
4	P156-426-000	21714000148A	Fuse board	1
5	P156-424-000	21602000106	Power supply(LITEON)	1
	P156-429-000	21603030004	Charger	1
6	P156-414-000	22801000085	Speaker	2
7	P156-411-000	22702010025	Fan	1
	P156-417-000	22702000010	Fan net	1
8	P156-436-000	4050301491	Tie bracket	14
9	P156-401-000	23309000280J	cable set	1
10	P156-415-000	23201000005	Filter	1





## MAINTENANCE LIST

The items listed below should be reviewed as required.

<b>Ball</b>		<b>OK/NG</b>	<b>Sign</b>
<b>1</b>	Check quarterly. If the bottom of the Ball has dirt, utilize the non-woven fabric with distilled water to clean. If the bottom of the Ball is damaged, replace the Teflon tape on the ball. (Refer to 8.6)		
<b>2</b>	Replace the Teflon tape on the Ball once a year. (Refer to 8.6)		
<b>Paddles</b>			
<b>1</b>	Check quarterly. If the bottom of the Paddle has dirt, utilize the non-woven fabric with distilled water to clean. If the bottom of the Paddle is damaged, replace the Wool felt pad on the Paddle. (Refer to 8.5)		
<b>2</b>	Replace the Wool felt pad on the Paddles once in every 1.5 years. (Refer to 8.5)		
<b>Playfield</b>			
<b>1</b>	Check quarterly. If the surface of the Playfield has dirt, utilize the non-woven fabric with distilled water to clean. (Refer to 8.4)		
<b>2</b>	Replace the Playfield once in every 2-3 years.		
<b>Belts</b>			
<b>1</b>	Check once in every 6 months if the Belts are loose. (Refer to 8.7 and 8.8)		
<b>2</b>	Replace the Belts once in every 2-3 years.		
<b>Wheels</b>			
<b>1</b>	Replace the Wheels once in every 1000 hours or 2 years.		

Any repairs of parts replacements must be executed with factory standards and only factory authorized parts are to be utilized.