PONG®

Cocktail version

IMPORTANT

Be Sure to Read this Manual Before Use

UNIVERSAL SPACE

www.universal-space.com

Operation Manual

WE ARE HERE TO ASSIST

For parts and service

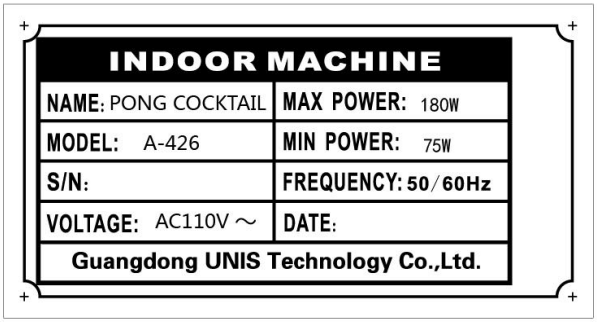
Have Questions? Contact us!

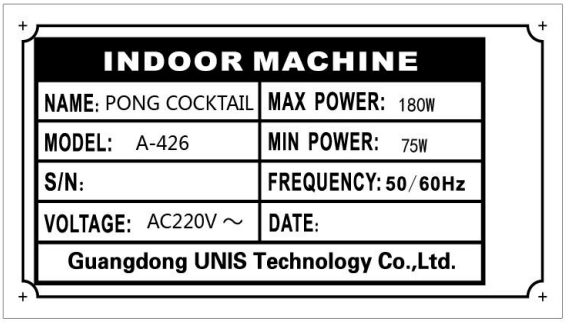
UNIS SERVICE CENTER

Tel: 972-241-4263

Email: service@unispartsandservice.com

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





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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.

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: 75W

Max. Power consumption: 180W

Dimension: W 40.16×D 44.10×H 39.06 in

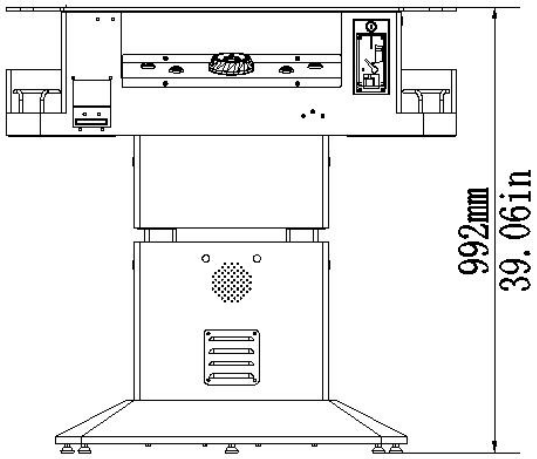
W 1020×D 1120×H 992 mm

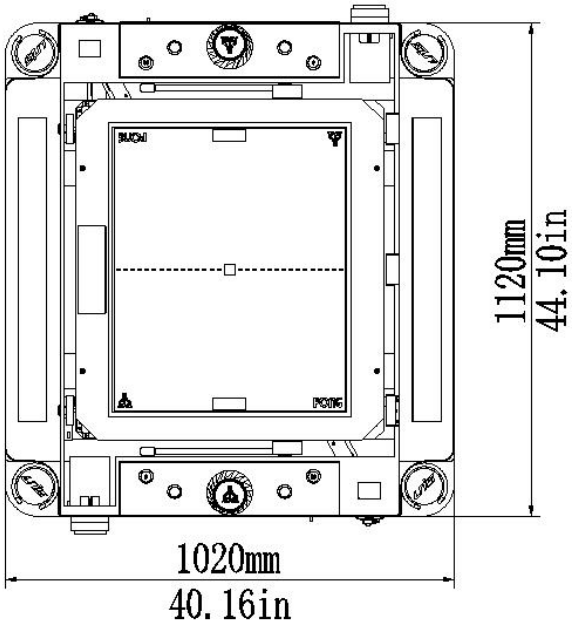
Weight: Approximately 595.3 lb

Part No: P151

Model: A-426

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

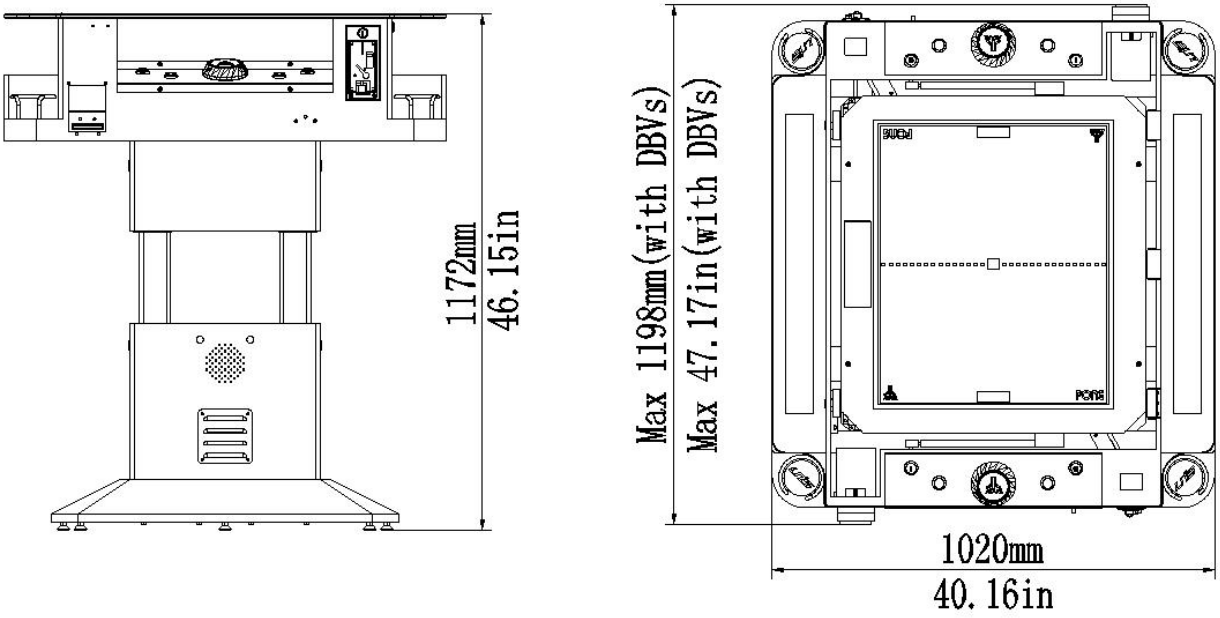




Note: Game specifications are subject to change without notice.

Max dimension: W 40.16×D 47.17×H 46.15 in

W 1020×D 1198×H 1172 mm

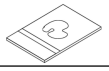


Note: Game specifications are subject to change without notice.

2. CONTENTS OF THE ACCESSORY KIT

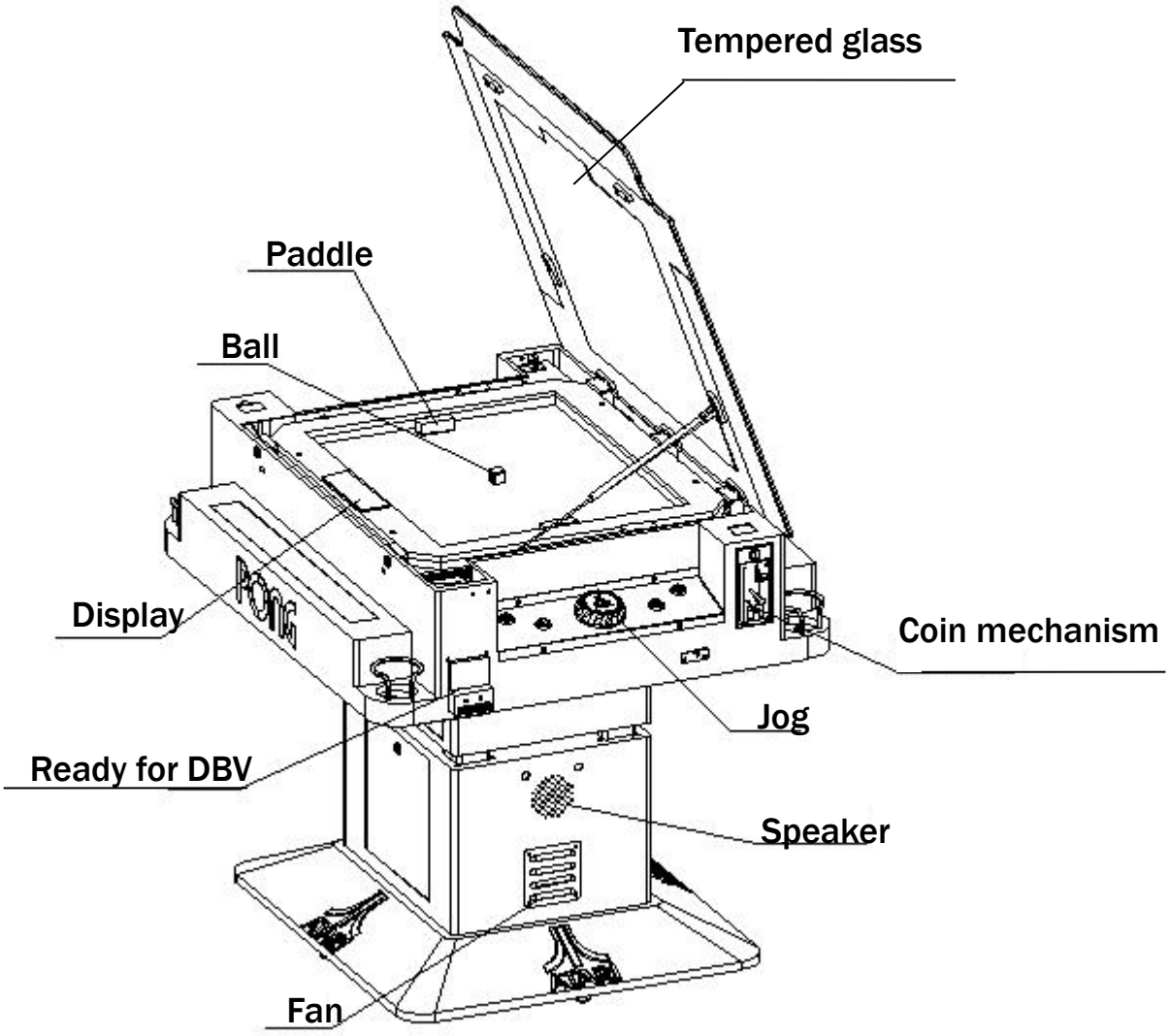
Open the package and make sure all the items are included:

1. Following accessories

No.	Part No.	Code	Name	Picture	Qty
1	P151-801-000	23301010020	Power cord		1
2	P151-427-000	21901000010	Fuse		1
3	P151-807-000	40607000014	Allen wrench		1
4	P151-809-000	41440000247D	Manual		1
5	P151-196-000	20211707045A	Adjust plate A		1
6	P151-197-000	20211707046A	Adjust plate B		1
7	P151-803-000	25300171002	Key		2
8	P151-804-000	25300172002	Key		2
9	P151-335-000	20101020034	Cross recessed pan head screw set		2
10	P151-303-000	20113000003	Standard spring washer		2
11	P151-805-000	25302000010	Key		2
12	P151-808-000	40607000001	Allen wrench		1
13	P151-130-000	20211707H016	DBV baffle	/	2
14	P151-810-000	20211707H039	Blank coin door	/	2
15	P151-811-000	20211707H040	Block		1
16	P151-813-000	/	Remote control		2

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.

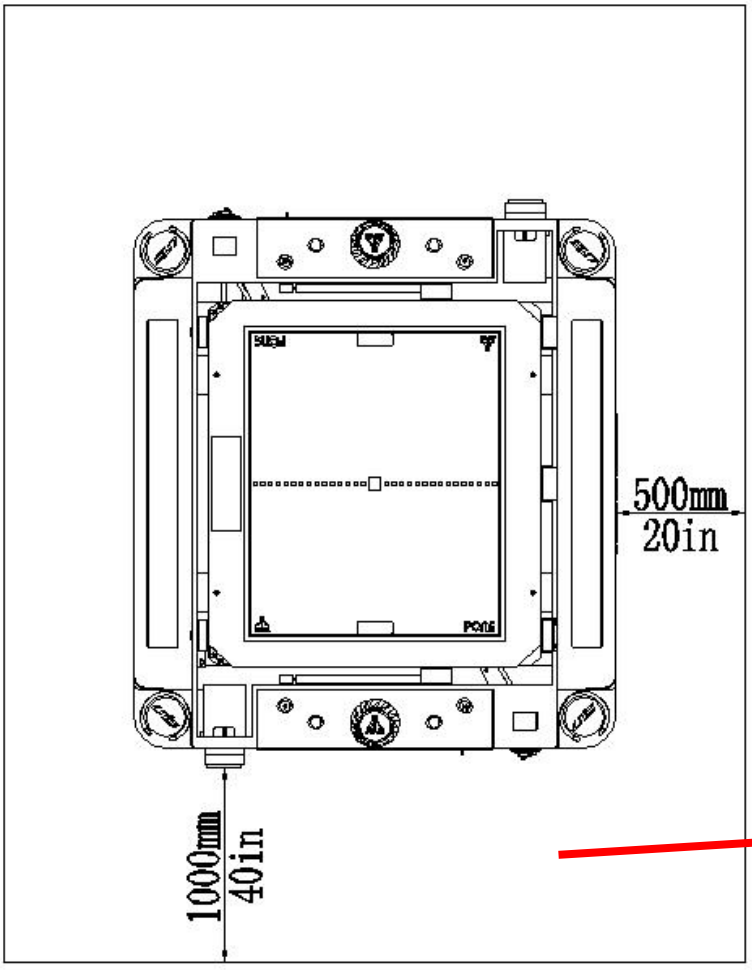
- Refer to IMPORTANT SAFETY INSTRUCTIONS (Pg. 3) for places to avoid
- Place the unit on a dry level surface
- Ventilation openings must not be obstructed by objects or by wall.

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: 40 in



NOTICE

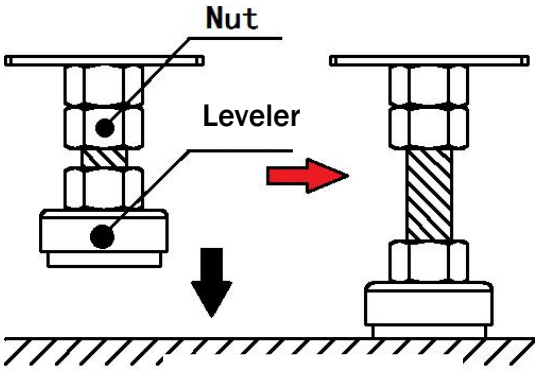
Your unit must be leveled to operate properly.

4.2 Level Adjustment

Install this game on a flat surface.

If the game is installed on an unsuitable floor,it could cause levelers leave the 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. Fix the nut back. Repeat the same for all levelers.



⚠ NOTICE

Make sure the machine is level.

4.3 Height Adjustment

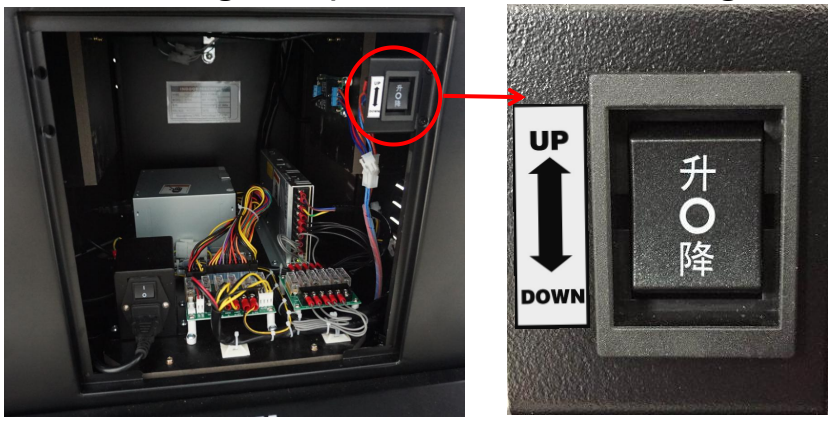
There are two ways to adjust the height.

1.Rocker switch adjustment

Step 1 Locate the Service door(the side near display) and open it.

Step 2 Locate the rocker switch indicated by circle.

Press UP to raise the height and press DOWN to lower the height.



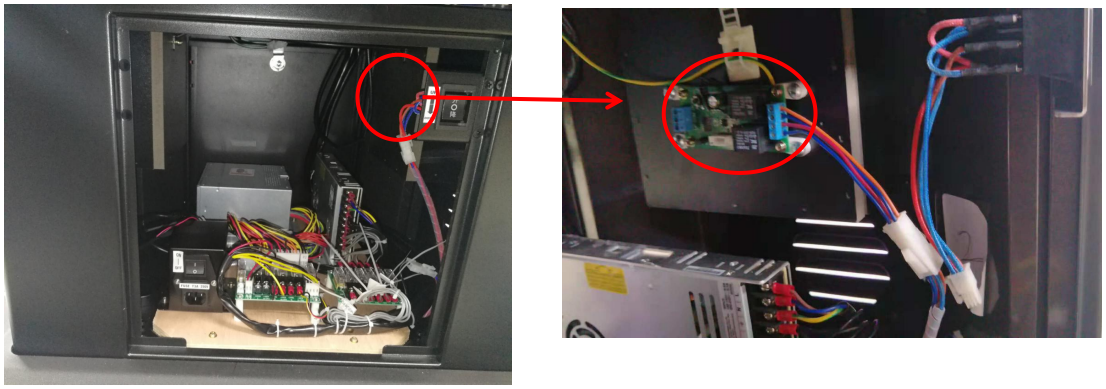
2.Remote control adjustment

Press Up to raise the height and press DOWN to lower the height. Press STOP to stop.

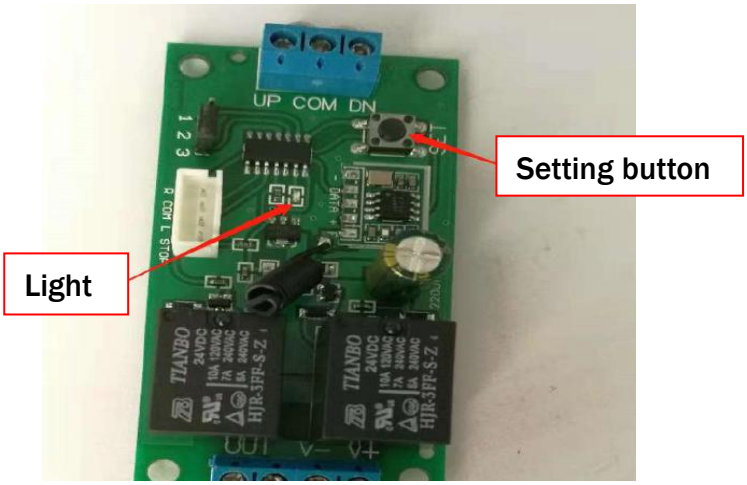
Note: If remote control is changed, the remote control PCB need to clear code and match code.

Step 1 Locate the Service door(the side near display) and open it.

Step 2 Locate the remote control indicated by circle.



Step 3 Long press the setting button for 3-4s. If the light is on, clear code operation is finish.



Step 4 Match code instruction:

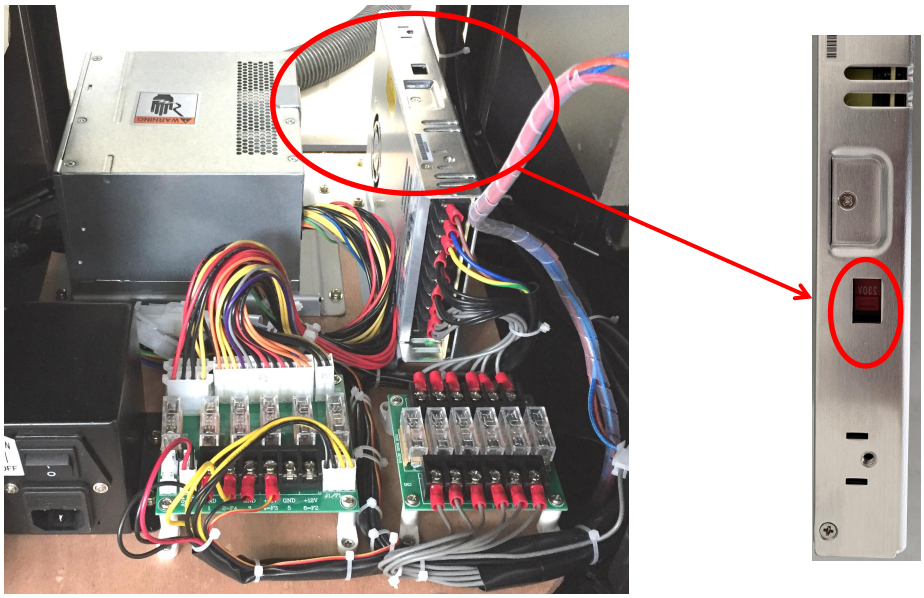
1. Press setting button, the light is on.
2. Press remote control UP, the light flashes first and then stay on.
3. Press remote control DOWN,the light flashes first and then stay on.
4. Press remote control STOP,the light flashes first and then stay on.
5. Press remote control STOP again, the light flashes first and then stop. The match code operation finish.

NOTICE

Use caution when tightening any hardware.

4.4 Voltage Conversion

Locate the Power supply. Loosen the power supply cover screws and take it off.
Toggle the switches to 115V or 230V according to your need.

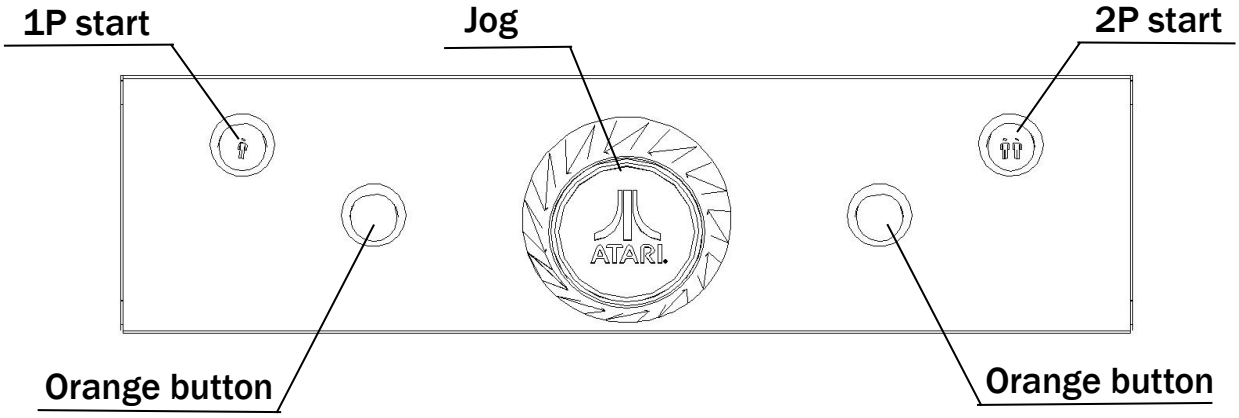


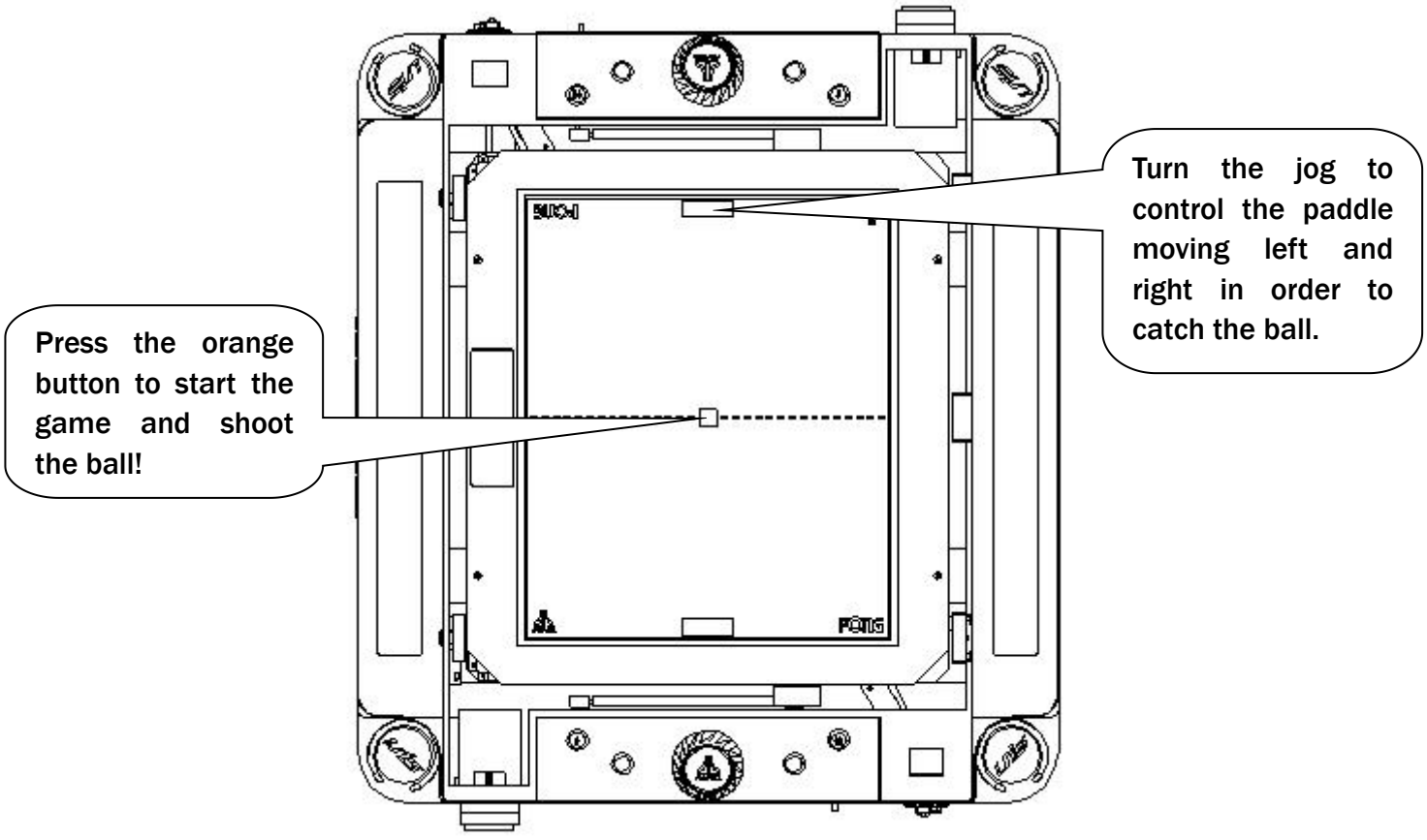
4.5 Card Reader Installation Safety Notice

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

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)





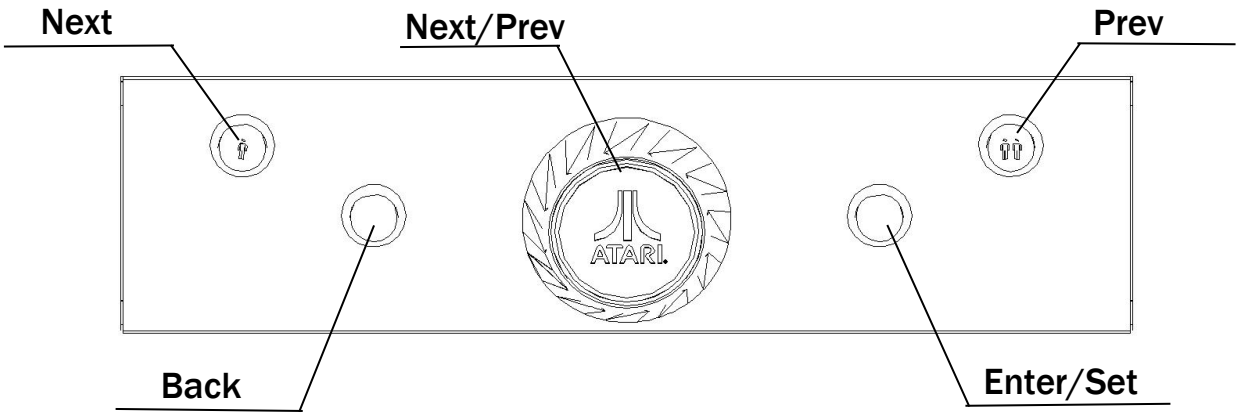
6. GAME OPTION

Enter into the setting menu

Step 1 Locate the Coin door(the side near display) and open it.

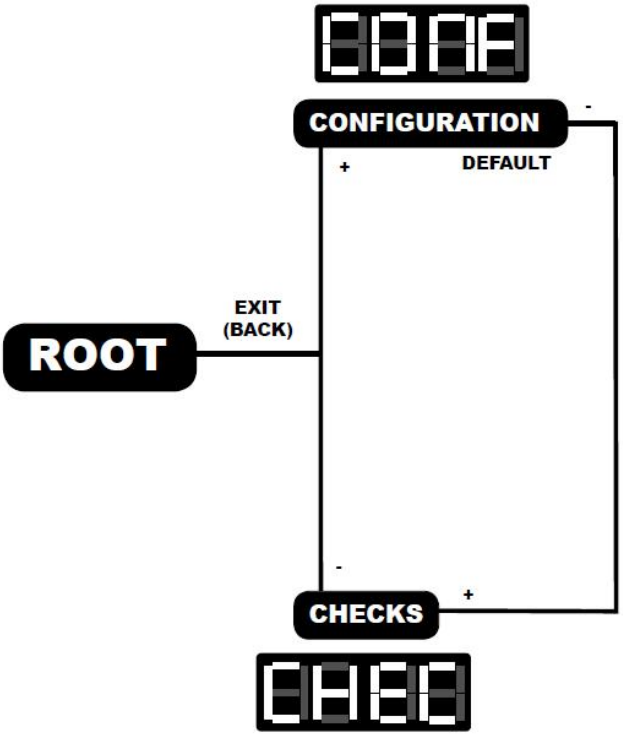
Step 2 Press Settings button to move the Ball to the middle and press Settings button again, then you'll see "CONF" on the display.(It doesn't work during game over.)

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



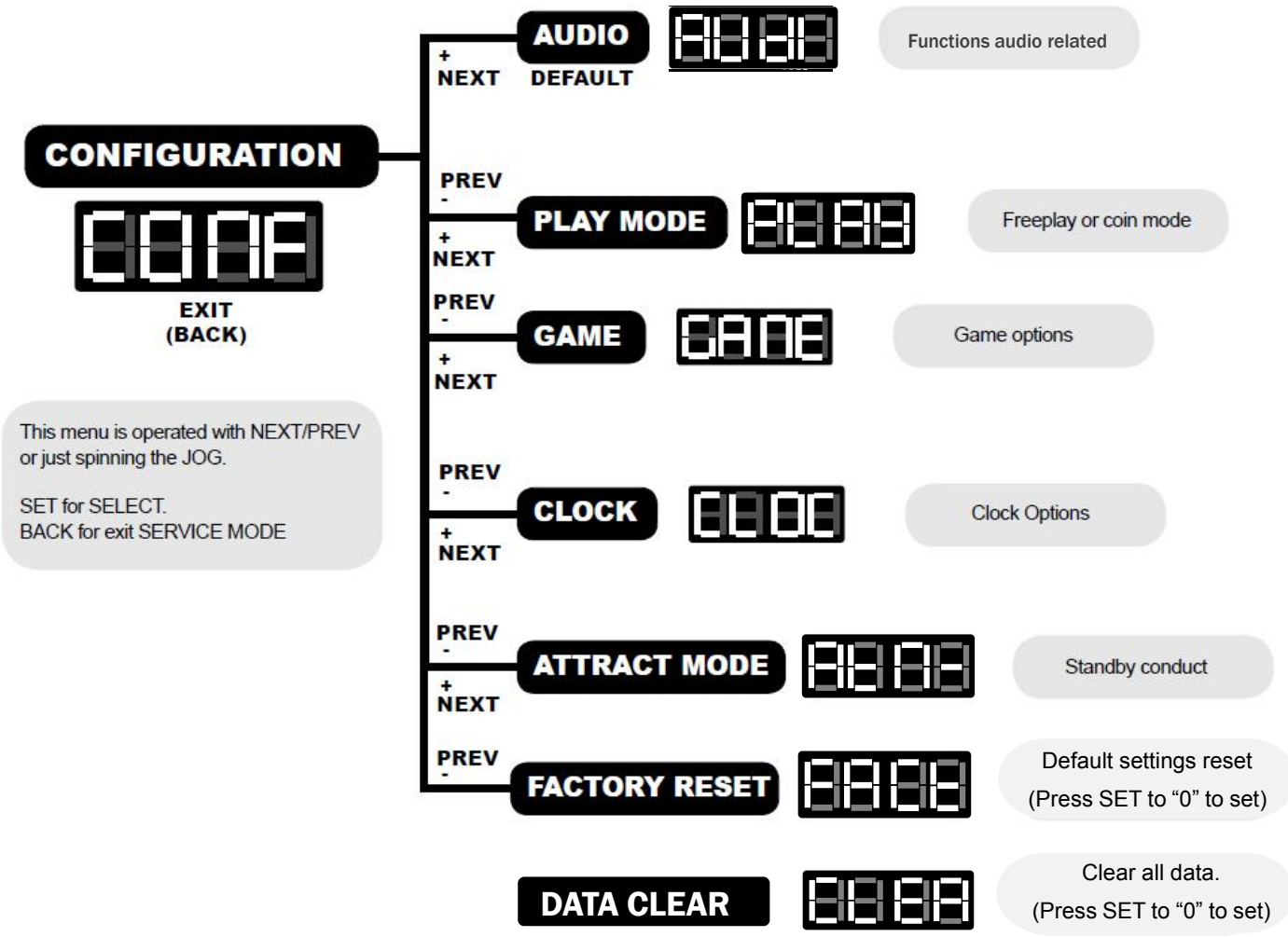
Note: It is the same steps when game playing.

6.1 Setting Menu



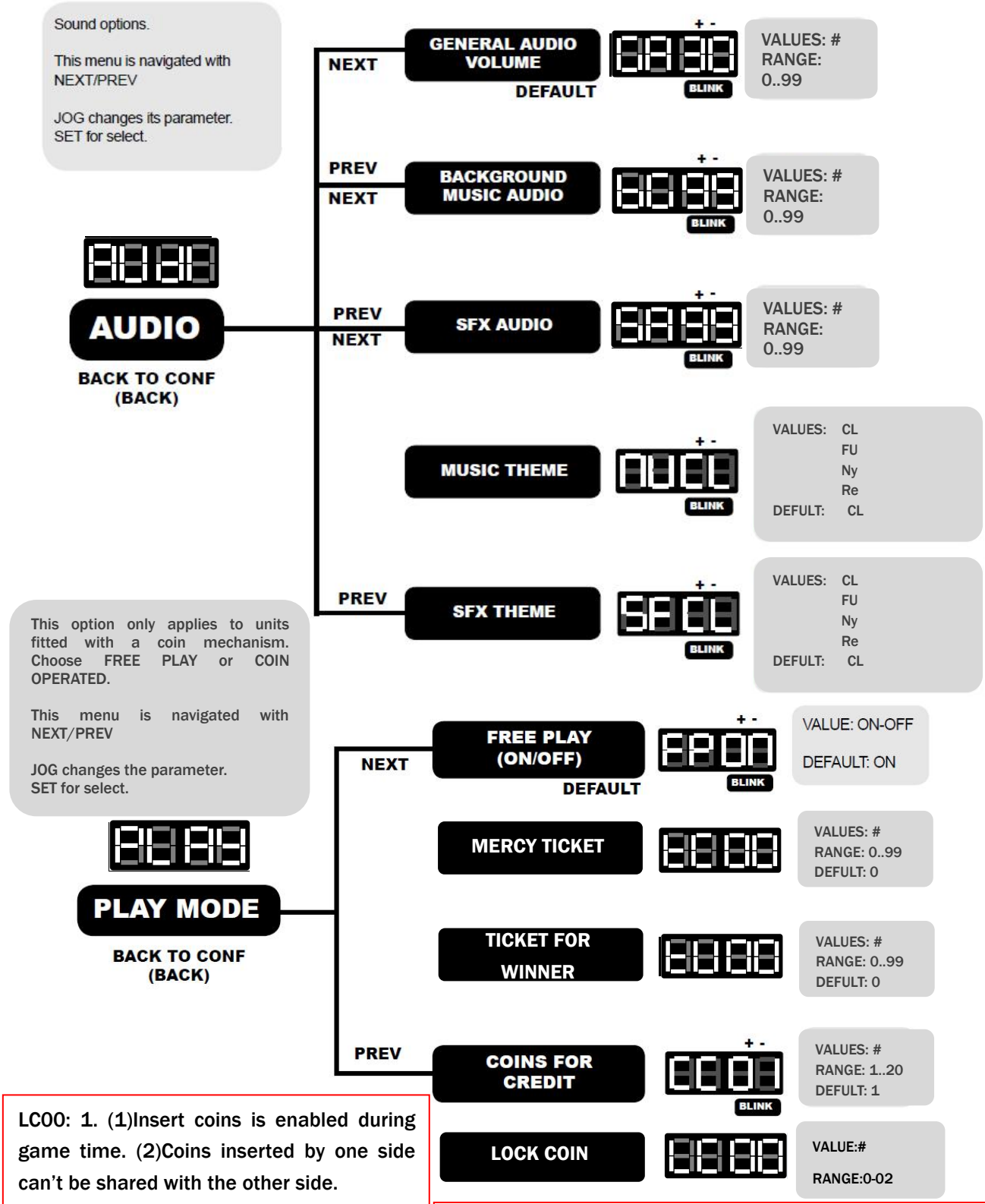
When SERVICE MODE is active, you will see CONF in the scoreboard by default. Spinning the JOG will switch spelling between configuration (CONF) and checks (CHEC)

BACK 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



LC00: 1. (1)Insert coins is enabled during game time. (2)Coins inserted by one side can't be shared with the other side.
(3)Games can only be started by the side that inserts coins.
2. When one side is playing 1P game and the higher score is less than a half of the points per game (Eg: Points per game:6, Score:3-X, X ≤ 3; Points per game:5, Score:2-X, X≤2), new player can insert coins and press 2P button to join.

LC01: Lock coin mode. After one side inserts coins, the other side can't insert coins and press 2P button to join until one side consumes all coins.
LC02: 1. (1)Insert coins is enabled during game time. (2)Coins inserted by one side can be shared with the other side. (3)Games can be started by either side.
2. When one side is playing 1P game, new player can insert coins but can't join the game until one side finishes that round.

GAME OPTIONS:
Mode, difficulty and speed.

This menu is navigated with NEXT/PREV

JOG changes its parameter.
SET for select.

GAME

BACK TO CONF (BACK)

PREV / **NEXT** — **AI DIFFICULTY**

VALUES: #
RANGE: 0..04
DEFAULT: 02

PREV / **NEXT** — **POINTS/GAME**

VALUES: #
RANGE: 3..39
DEFAULT: 05

PREV — **GAME SPEED**

VALUES: #
RANGE: 0..06
DEFAULT: 03

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)

NEXT — **ACTIVE** (**DEFAULT**)

VALUE: ON-OFF

DEFAULT: ON

PREV / **NEXT** — **SET TIME**

PREV / **NEXT** — **ALARM (ON/OFF)**

SET TIME

VALUE: ON-OFF

DEFAULT: OFF

PREV / **NEXT** — **DIM VALUE**

VALUE: #
RANGE: 0..99
DEFAULT: 50

PREV / **NEXT** — **DIM TIMEOUT**

VALUE: #
RANGE: 0..15
DEFAULT: 01

PREV — **SET ALARM**

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)

NEXT

ATTRACT MODE ON STANDBY

DEFAULT

VALUES: ON
OFF
AMBIENT

DEFAULT: ON

PREV

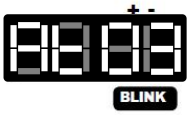
NEXT

AMBIENT LIGHT

VALUES: #
RANGE: 0..99
DEFAULT: 50

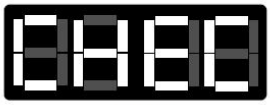
PREV

ATTRACT TIMEOUT (MINS)



VALUES: #
RANGE: 01.15
DEFAULT: 03

CHECKS



EXIT (BACK)

+ NEXT

LEDS

DEFAULT

LEDS tests

- PREV

+ NEXT

MOTORS

Motors tests.
(Press SET and BACK to exit.)

- PREV

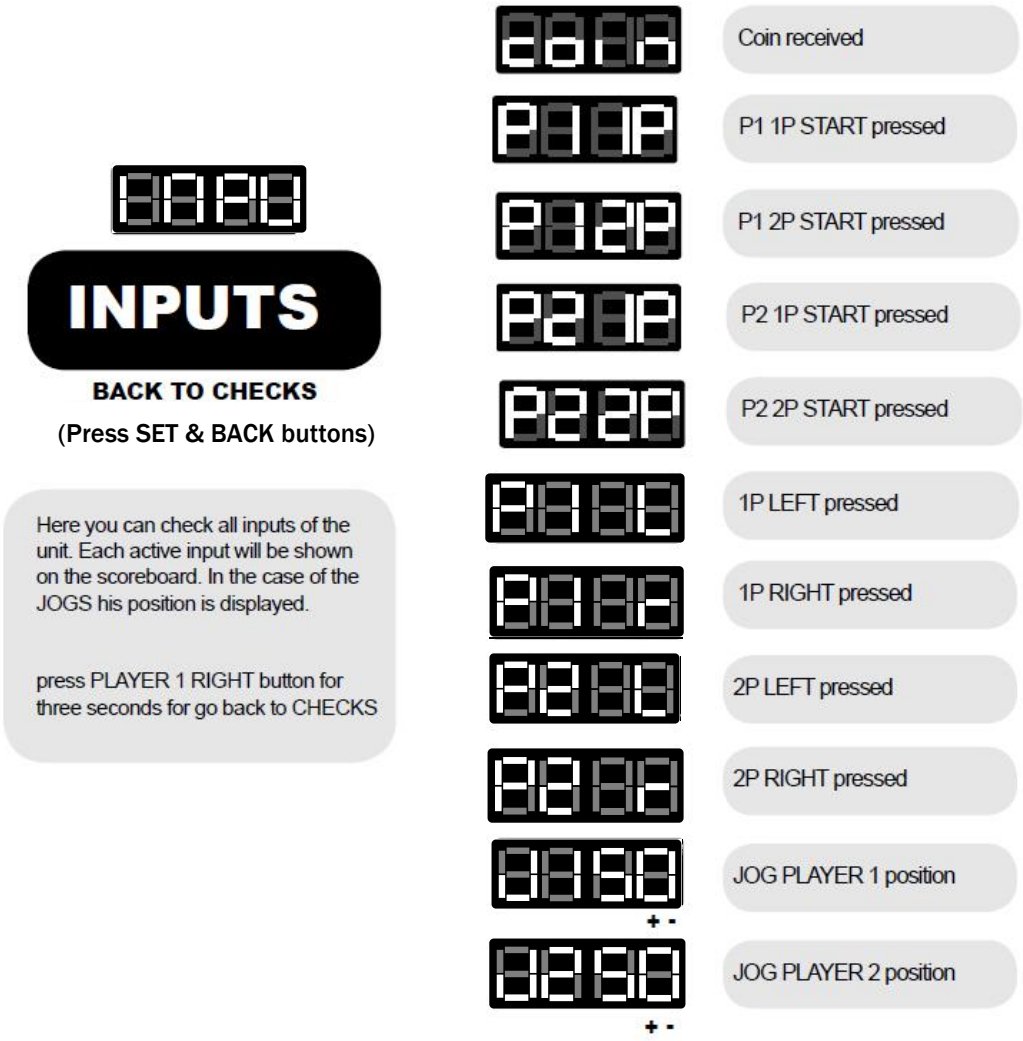
INPUTS

Inputs tests.
(Press SET and BACK to exit.)

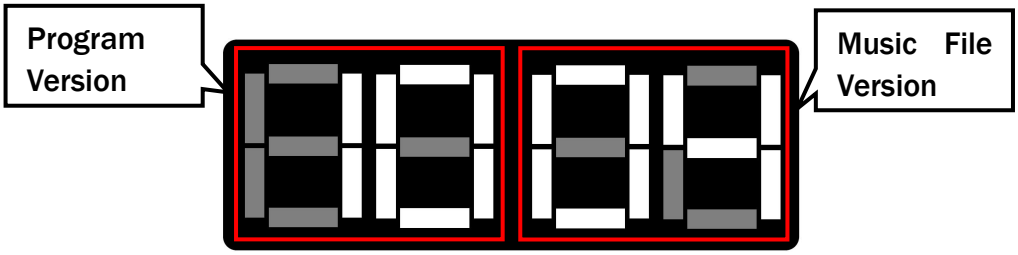
AUTO

LEDS, Motors and Inputs auto tests.
(Press SET and BACK to exit.)

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



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

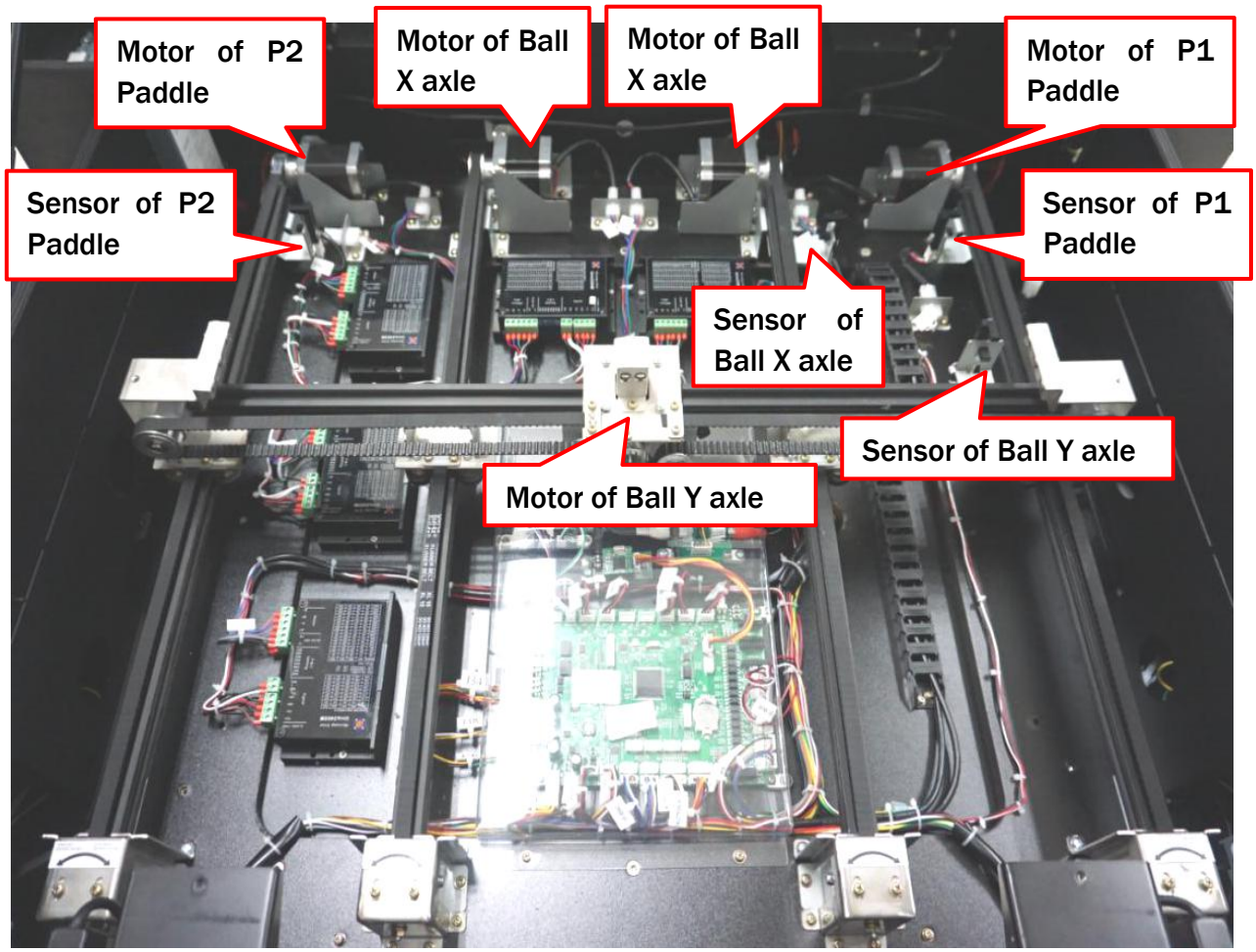
7.1 Common Problem

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 8.3)

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.

(Refer to next page for detailed locations.)



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.

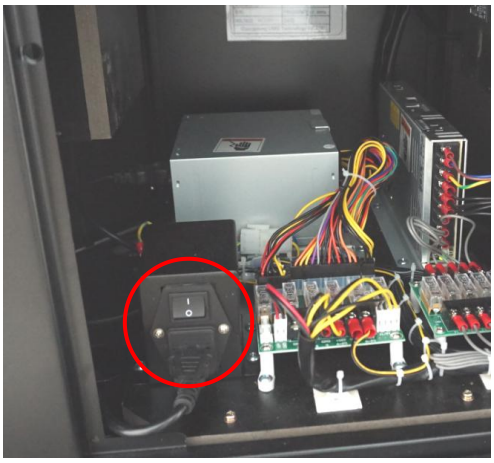
Non-compliance with the following points or inappropriate handling running counter to the cautionary matters herein stated can cause personal injury or damage to the machine

⚠ NOTICE

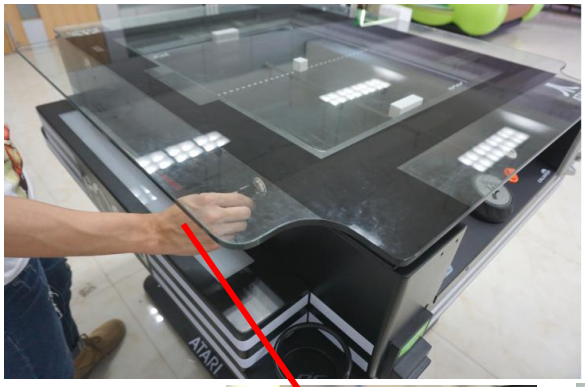
We do not recommend using power tools as they may cause damage.

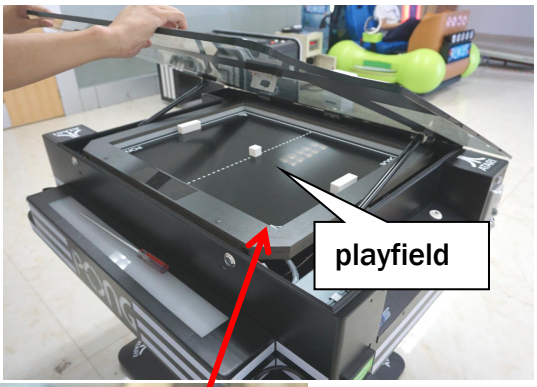
8.3 How To Clean The Playfield

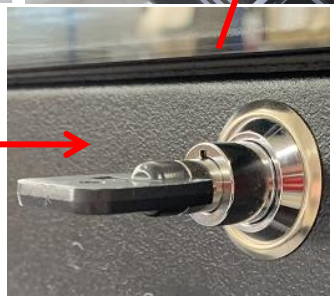
Step 1 Locate the Service door(the side near display) and open it. Power off the game.



Step 2 Insert the key to the lock and turn 90° clockwise or counterclockwise to make the lock pop up. (The method is the same on both two locks.)
Open the glass.



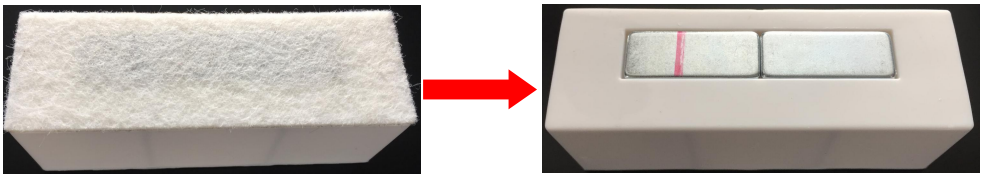




Step 3 Utilize non-woven fabric with distilled water to clean the playfield.

8.4 How To Replace Wool Felt Pad On Paddle

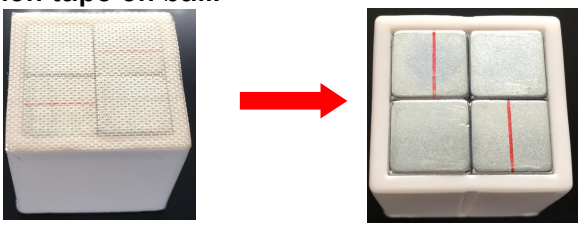
Step 1 Remove the wool felt pad from the paddle.



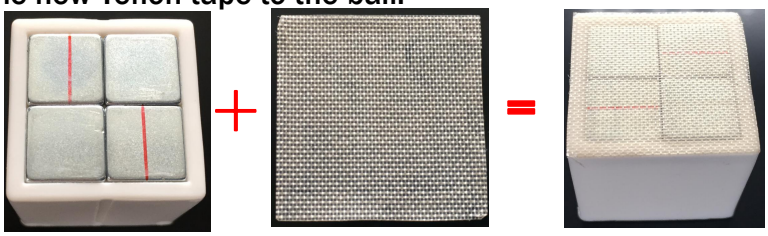
Step 2 Adhere the new wool felt pad to the paddle.

8.5 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.

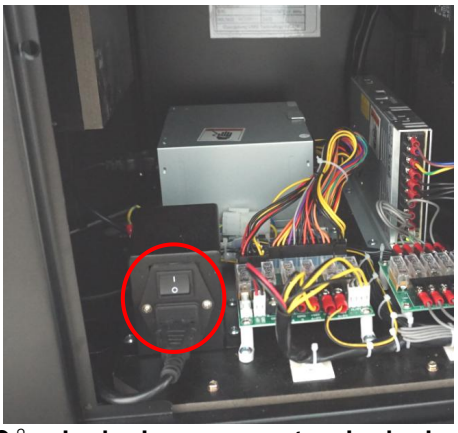


8.6 How To Access Movement Mechanism

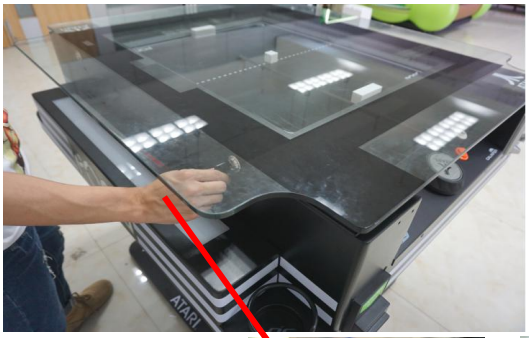
Before processing with assembly assure you have the following tools.

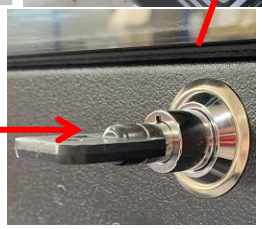
No.	Name	Picture
1	Phillip's screwdriver	

Step 1 Locate the Service door(the side near display) and open it. Power off the game.

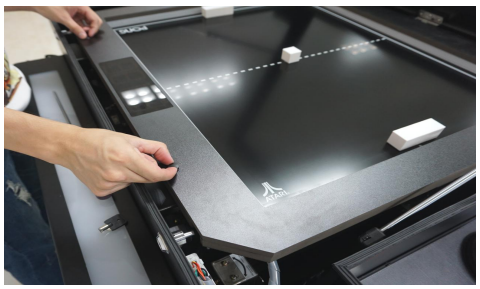
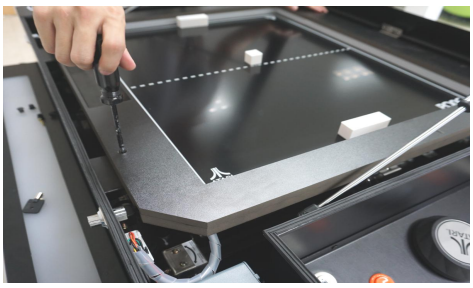


Step 2 Insert the key to the lock and turn 90° clockwise or counterclockwise to make the lock pop up. (The method is the same on both two locks.) Open the glass.

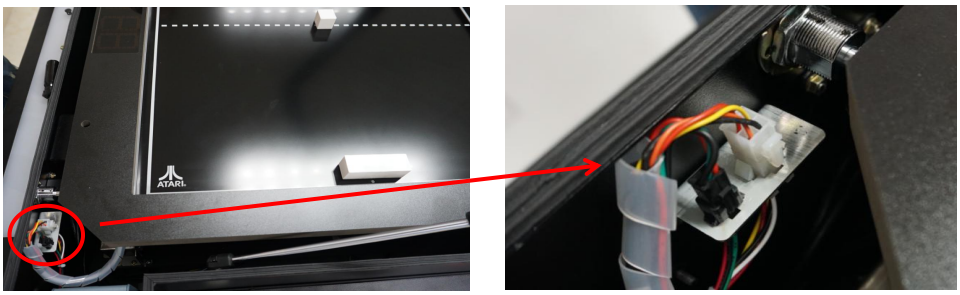




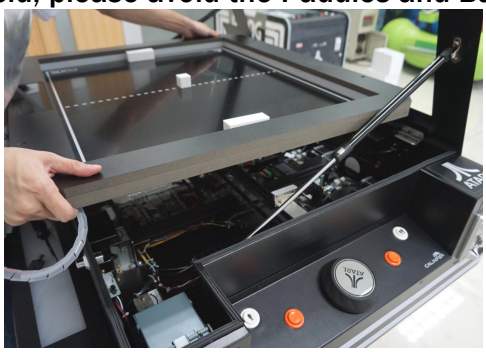
Step 3 Remove four screw covers and loosen four screws.

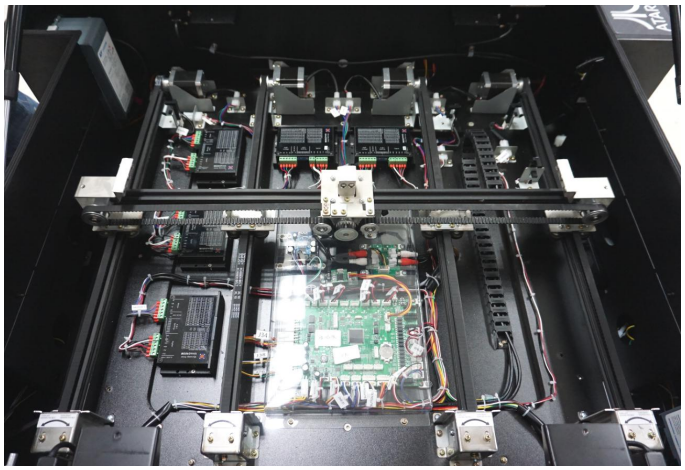
Step 4 Unplug two connectors indicated by circle.



Step 5 Remove the playfield, please avoid the Paddles and Ball sticking together.



Step 6 Proceed to the movement mechanism.



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

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.

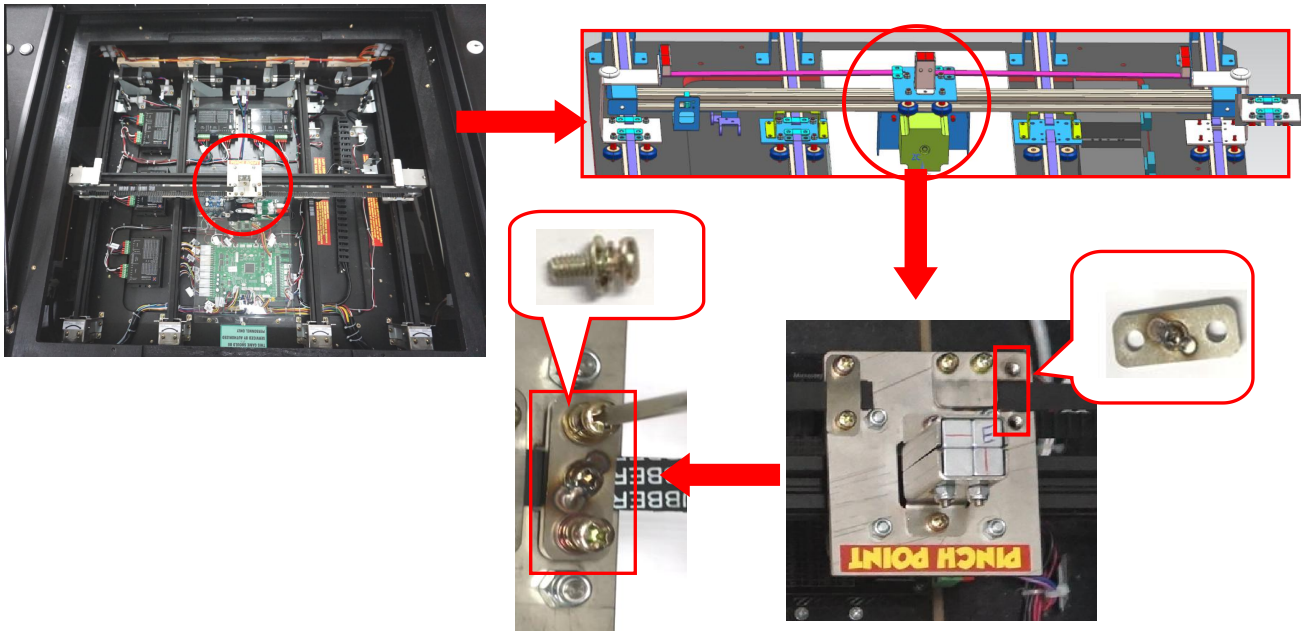
No.	Name	Picture
1	Phillip's screwdriver	

Kit list (shipped with game accessories)

No.	Part No.	Name	Picture	Qty
1	P151-810-000	Adjust plate A (Short)		1
2	P151-811-000	Adjust plate B (Long)		1
3	P151-812-000	Cross recessed pan head screw set		2

Step 1 Follow the 8.6 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 Axles

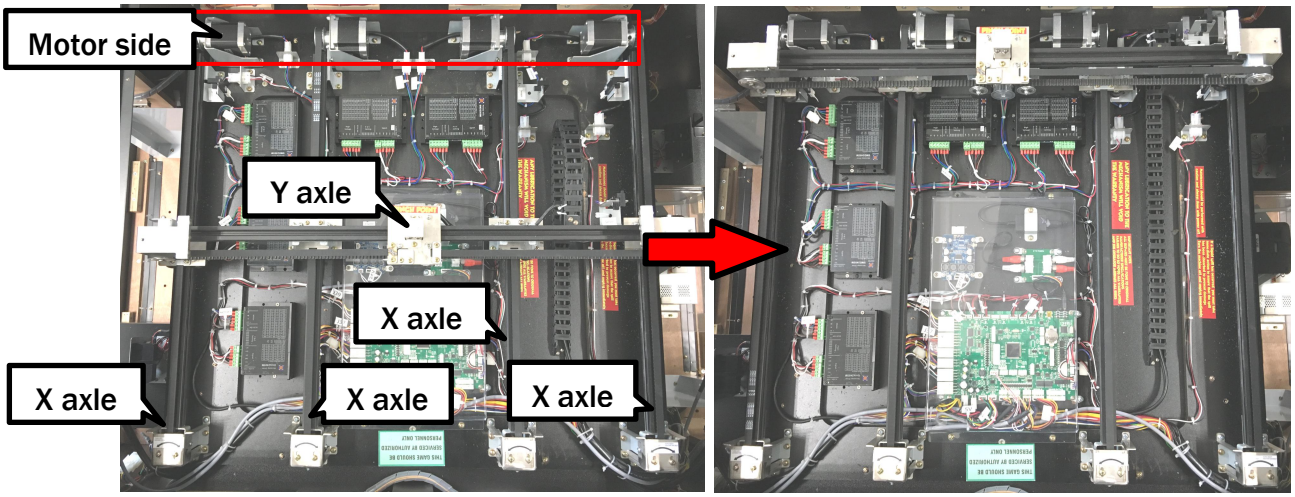
Before processing with assembly assure you have the following tools.

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

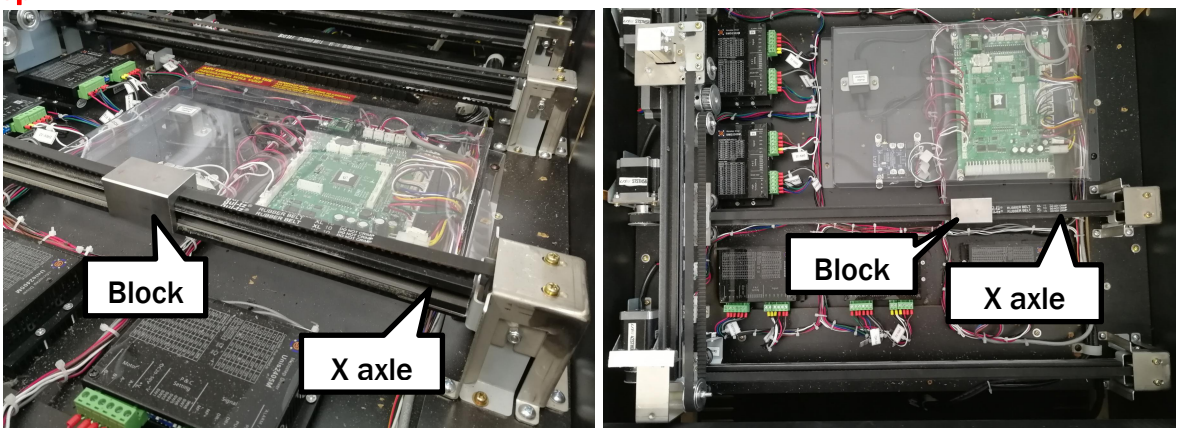
Kit list:

NO.	Name	Picture
1	Block	

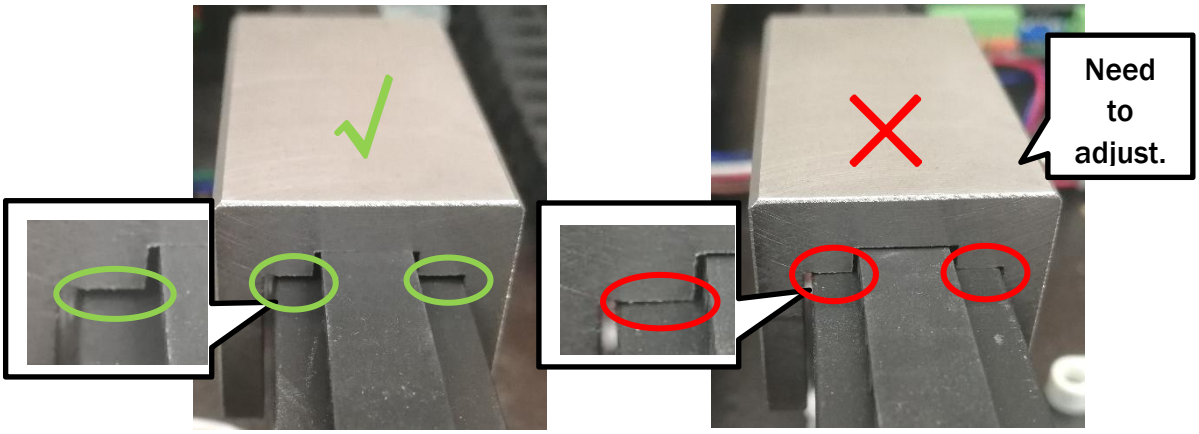
Step 1 Follow the 8.6 steps to remove the playfield. Move Y axle to motor side.



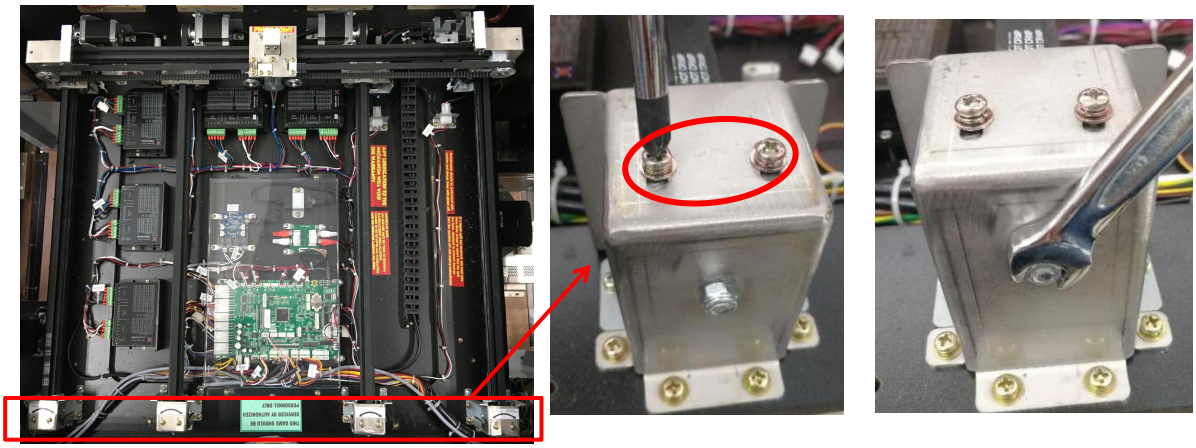
Step 2 Locate one X axle. Place the block in the middle of the X axle.



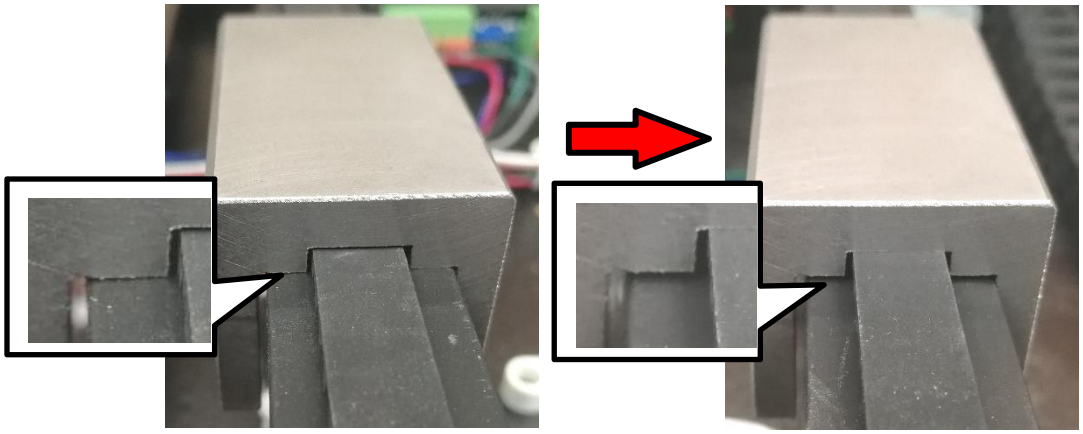
Step 3 Check if the block is slightly above the X axle (within 0.04inch). If it is, don't adjust the belt; if it touches the X axle, adjust the belt.



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



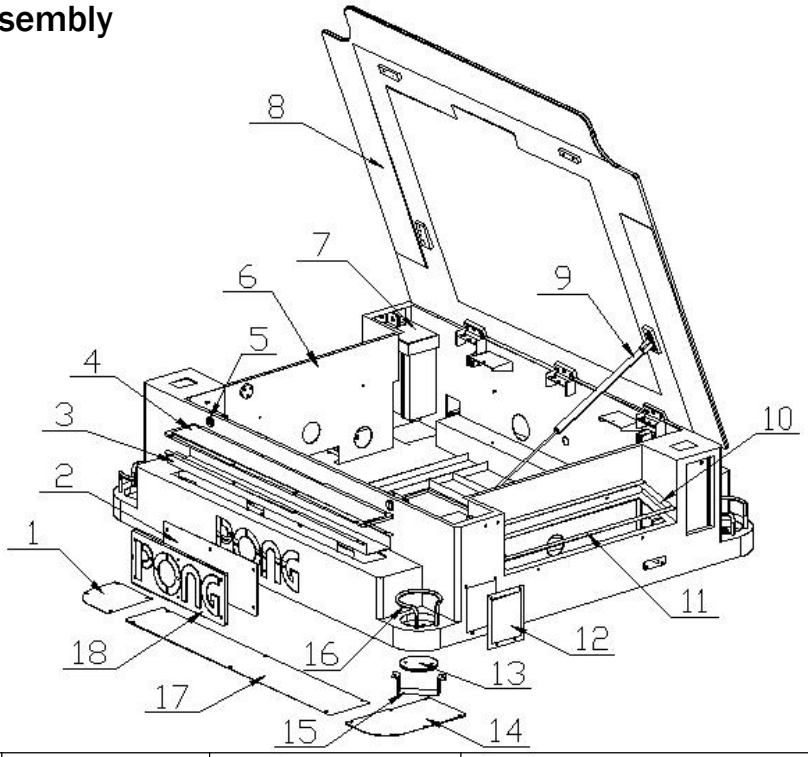
Step 5 To adjust: Pay attention to the block when turning the wrench clockwise. Stop turning the wrench when the block is slightly raised (within 0.04 inch above the X axle). If the block is raised too much, the belt will be too tight.



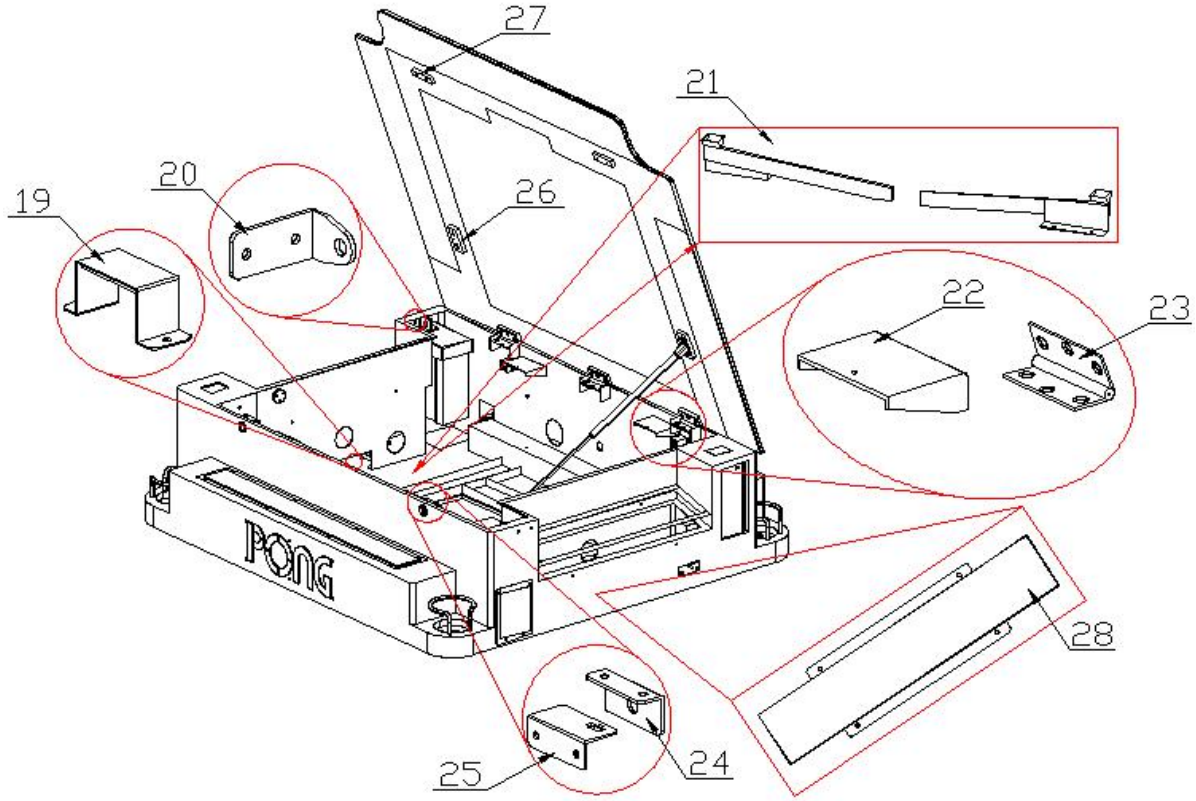
Step 6 To adjust: Remove the block and tighten the screws in **Step 4**.
The adjustment method for all the 4 X axles is the same.

9. OVERALL CONSTRUCTION

9.1 Table Assembly

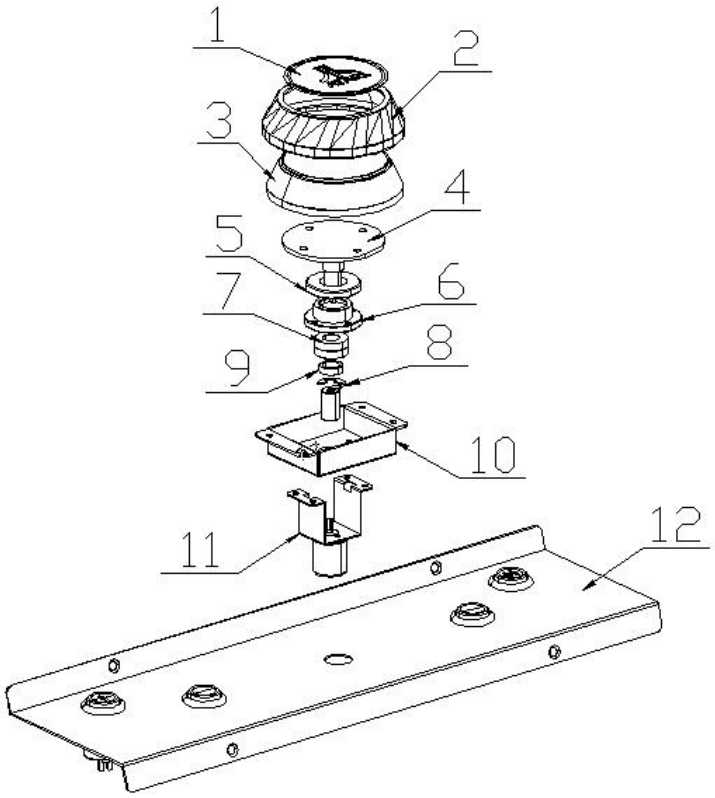


No.	Part No.	Code	Name	Qty
1	P151-123-000	20211707H011	Cover(small)	2
2	P151-111-000	20611707H003	Plastic plate	2
3	P151-113-000	20611707H010	Light bracket	2
4	P151-112-001	20611707H005A	White plastic plate	2
5	P151-604-000	25300000010	Lock	2
6	P151-109-003	20211707H007C	Frame	1
7	P151-130-000	20211707H016	DBV baffle	2
8	P151-117-000	20611707H008	Glass	1
9	P151-619-001	25101210030	Spring	2
10	P151-127-000	20611707H013	Water proof plate(short)	4
11	P151-126-000	20611707H012	Water proof plate(long)	4
12	P151-129-000	20211707H015	DBV cover	2
13	P151-115-000	20611707H006	Round clear plastic plate	4
14	P151-125-000	20211707H013	Cover(middle)	2
15	P151-116-000	20611707H011	Light bracket(short)	4
16	P151-114-000	20211707H008	Bottle bracket	4
17	P151-124-000	20211707H012	Cover(large)	2
18	P151-701-000	20511707H001	Side light plate	2



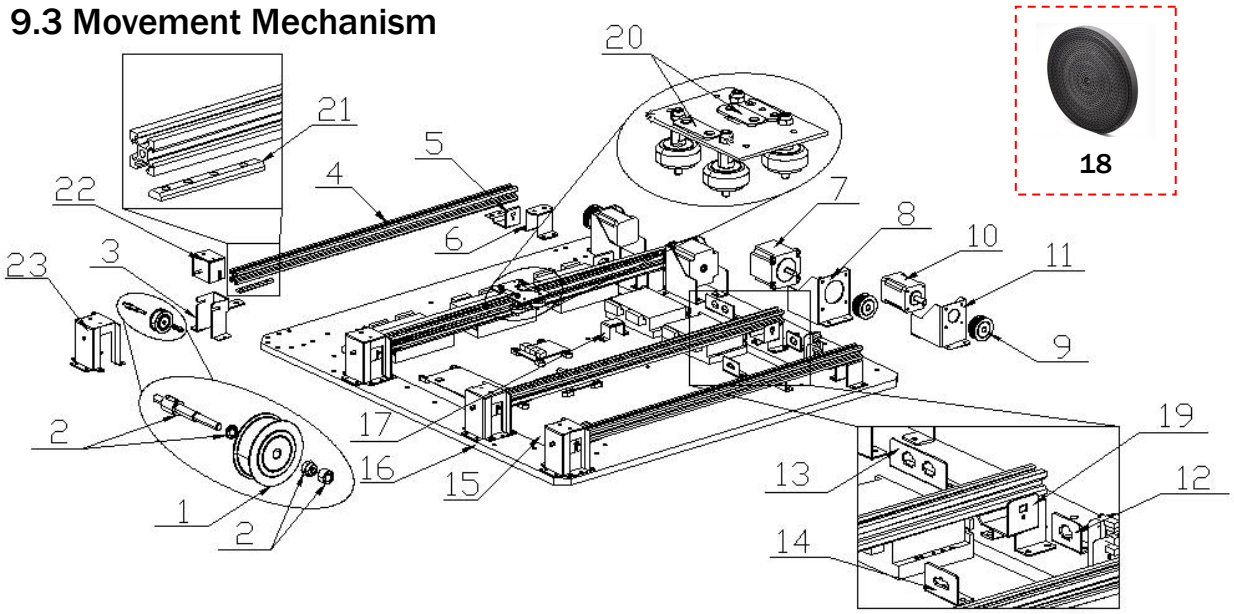
No.	Part No.	Code	Name	Qty
19	P151-110-000	20211707H029	Power supply pressing plate	1
20	P151-131-000	20211707H017	DBV plate	2
21	P151-128-002	20211707H014B	Coin chute	2
22	P151-122-001	20211707H010A	Support plate	4
23	P151-608-000	26300000004	Hinge	3
24	P151-132-000	20211707H030	LED bracket	1
25	P151-120-000	20211707H035	Key plate	2
26	P151-118-001	20211707H037A	Glass pressing plate A	5
27	P151-119-001	20211707H038A	Glass pressing plate B	2
28	P151-211-000	20611707H014	Waterproof plastic	2

9.2 Control Panel Assembly.



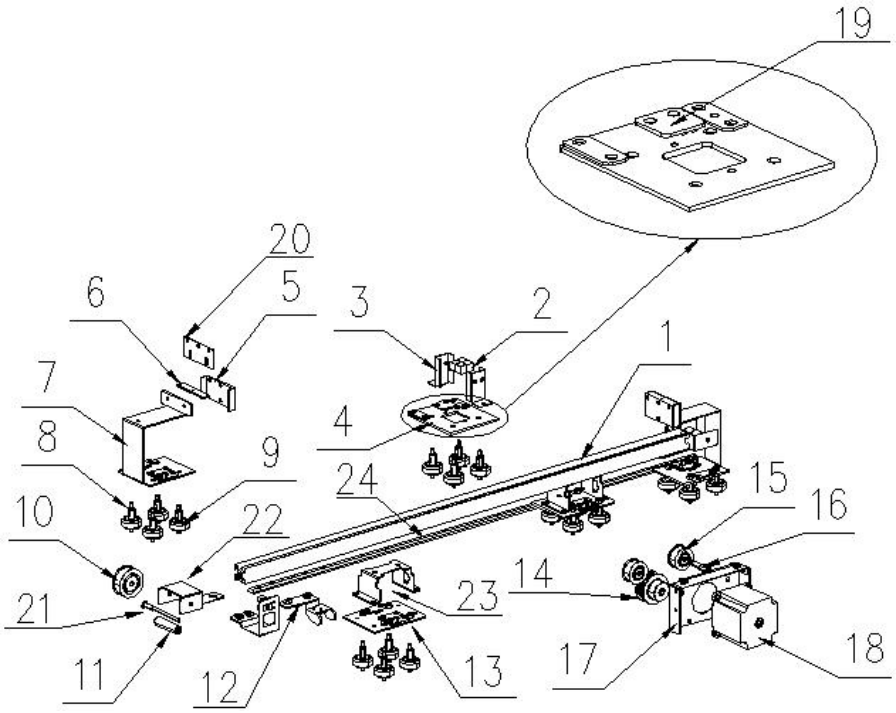
No.	Part No.	Code	Name	Qty
1	P151-714-000	20511707002	ATARL Logo	1×2
2	P151-204-000	20611707008	Jog shell	1×2
3	P151-203-000	20611707009	Jog	1×2
4	P151-206-000	20211707008B	Axle	1×2
5	P151-137-000	20611707H007	Water proof loop	1×2
6	P151-205-000	20211707013A	BR bracket	1×2
7	P151-620-000	20106000318	BR	2×2
8	P151-313-000	20105000013	Washer	1×2
9	P151-207-000	20211707038	Axle sleeve	1×2
10	P151-136-000	20211707H031	Support plate	1×2
11	P151-208-000	20211707030	Coder bracket	1×2
12	P151-135-001	20211707H020A	Control panel plate	1×2

9.3 Movement Mechanism



No.	Part No.	Code	Name	Qty
1	P151-160-000	20211707032A	Idle wheel A	4
2	P151-161-000	20211707047B	Idle wheel axle	4
	P151-306-000	20102000022	Non-metallic hexagon lock nut	4
	P151-301-000	20113000055	C flat washer	4
	P151-162-000	20211707054	Wheel sleeve	4
3	P151-159-000	20211707017B	Idle wheel A bracket	4
4	P151-184-000	20211707035	X axle track	4
5	P151-183-000	20211707023B	Sensor SW bracket	3
6	P151-182-000	20211707022	Track bracket	4
7	P151-610-000	23406000031	Hybrid stepping motor	2
8	P151-170-000	20211707020A	57 motor bracket A	2
9	P151-169-000	20211707033A	Driving wheel	4
10	P151-609-000	23406000030	Hybrid stepping motor	2
11	P151-168-000	20211707019	42 motor bracket	2
12	P151-187-000	20211707025	Wiring plate B	2
13	P151-186-000	20211707024	Wiring plate A	1
14	P151-188-000	20211707026	Wiring plate C	3
15	P151-506-000	20311707H006A	Electric part support plate	1
16	P151-505-000	20311707H005	Support plate	1
17	P151-190-000	20211707041	Small pressing plate	1
18	P151-611-000	26504010002	Belt	7500mm (295.2in)

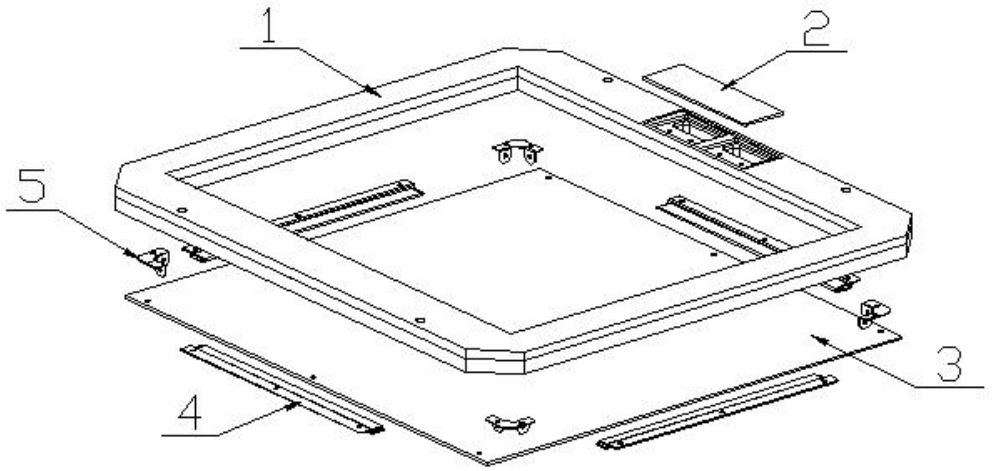
No.	Part No.	Code	Name	Qty
19	P151-193-000	20211707052A	Long sensor SW bracket	1
20	P151-194-000	20211707043A	Fix plate A	9
21	P151-198-000	20211707049A	Short fix bar	8
22	P151-163-000	20211707058	Axle plate	4
23	P151-164-000	20211707059	Limit bracket	4



No.	Part No.	Code	Name	Qty
1	P151-185-000	20211707036	Y axle track	1
2	P151-617-000	23502000049	Magnet	4
3	P151-181-000	20211707006B	Magnet plate B	2
4	P151-180-000	20211707005B	Y axle bracket	1
5	P151-178-000	20211707004A	Magnet plate A	2
6	P151-616-000	23502000041	Magnet	4
7	P151-177-000	20211707003B	X axle bracket	2
8	P151-175-000	20211707048A	Wheel shaft	20
9	P151-176-000	20611707030	Axle wheel	20
10	P151-160-000	20211707032A	Idle wheel A	2
11	P151-166-000	20611707026A	Support bracket axle	2
i12	P151-189-000	20211707027A	Chain mounting plate	1
13	P151-174-000	20211707002B	Y axle bracket	2

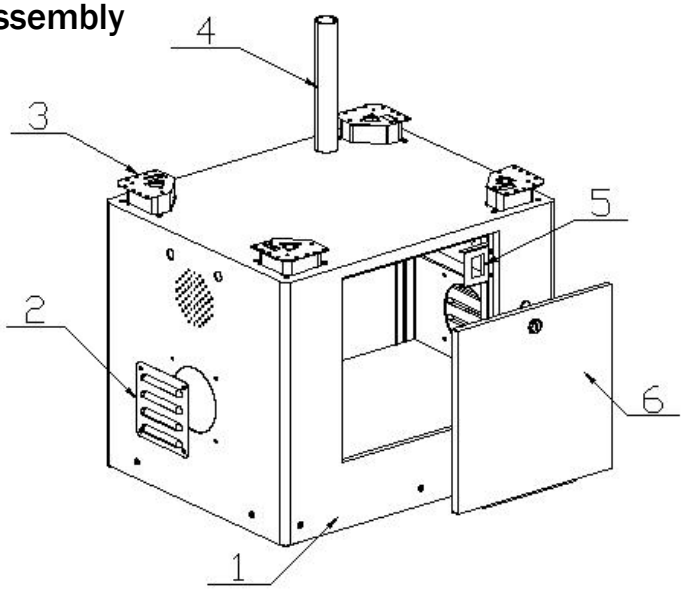
No.	Part No.	Code	Name	Qty
14	P151-169-000	20211707033A	Driving wheel	1
15	P151-172-000	20211707034A	Idle wheel B	2
16	P151-173-000	20211707007B	Axle	2
17	P151-171-000	20211707021A	58 motor bracket B	1
18	P151-610-000	23406000031	Hybrid stepping motor	1
19	P151-195-000	20211707044A	Fix plate B	1
20	P151-179-000	20211707042	Magnet back plate	2
21	P151-167-000	20211707055	Idle wheel axle B	2
22	P151-165-000	20211707018B	Idle wheel B bracket	2
23	P151-192-000	20211707051A	Connecting bracket	2
24	P151-199-000	20211707053	Long fix bar	1

9.4 Frame Assembly



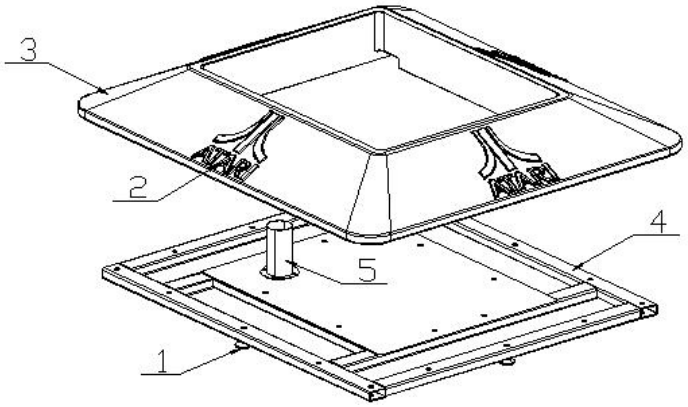
No.	Part No.	Code	Name	Qty
1	P151-501-002	20311707H001B	Frame top plate	1
	P151-502-004	20311707H002D	Frame bottom plate	1
	P151-212-000	20611707H015	Plastic circle	8
2	P151-138-001	20611707H004A	Light blocking plate	1
3	P151-713-000	20511707001C	Play field decal	1
4	P151-139-000	20211707H036	Glass pressing plate	4
5	P151-202-000	20211707028	Connecting plate	4

9.5 Bottom Box Assembly



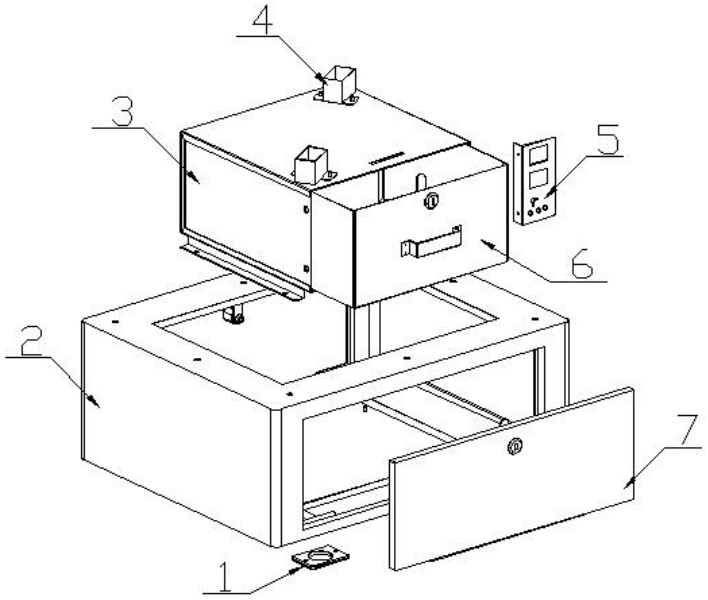
No.	Part No.	Code	Name	Qty
1	P151-101-001	20211707H001A	Bottom box	1
2	P151-209-000	26000014000	Louver	2
3	P151-622-000	21204030002	Lift mechanism	1
4	P151-104-001	20211707H004A	Wiring pipe	1
5	P151-103-000	20211707H003	Switch mounting plate	1
6	P151-102-000	20211707H002	Bottom side door	2
	P151-623-000	25300171001	Lock	2

9.6 Base Assembly



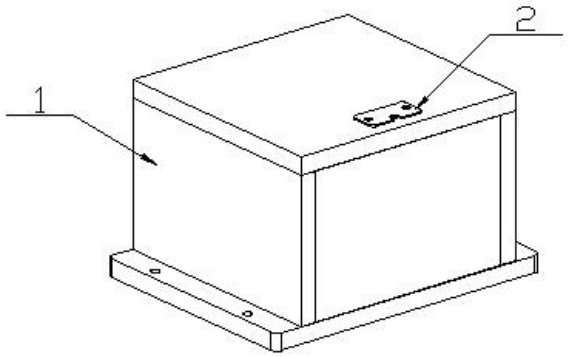
No.	Part No.	Code	Name	Qty
1	P151-603-001	25100010004	White support	8
2	P151-108-000	20611707H002	Brand decal	4
3	P151-106-000	20611707H001	Base	1
4	P151-105-001	20211707H005A	Bottom bracket	1
5	P151-107-000	20211707H006	Pipe set	1

9.7 Coin Box Assembly



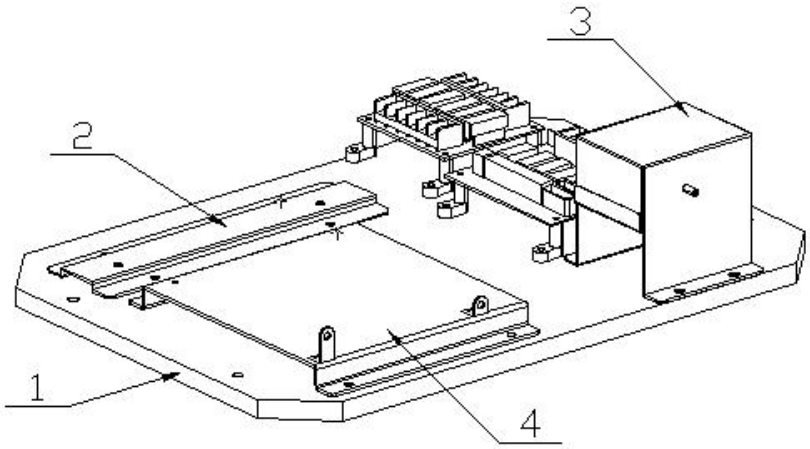
No.	Part No.	Code	Name	Qty
1	P151-150-001	20611707H009A	Limit cover	1
2	P151-147-001	20211707H025A	Box	1
3	P151-144-001	20211707H023A	Coin box shell	1
4	P151-149-001	20211707H027A	Coin box hopper	2
5	P151-146-002	20211707H034B	Counter panel	1
6	P151-145-001	20211707H024A	Coin box	1
	P151-624-000	25300172001	Lock	1
7	P151-148-001	20211707H026A	Middle side door	2
	P151-623-000	25300171001	Lock	2

9.8 Speaker Box Assembly



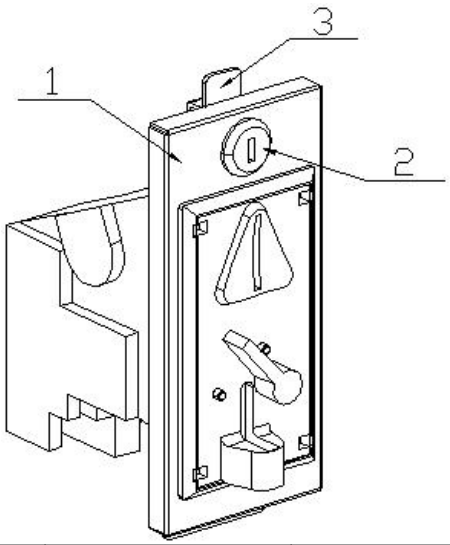
No.	Part No.	Code	Name	Qty
1	P151-504-001	20311707H004A	Speaker shell	1×2
2	P151-151-000	20211707H028	Small plate	1×2

9.9 Power Support Plate Assembly



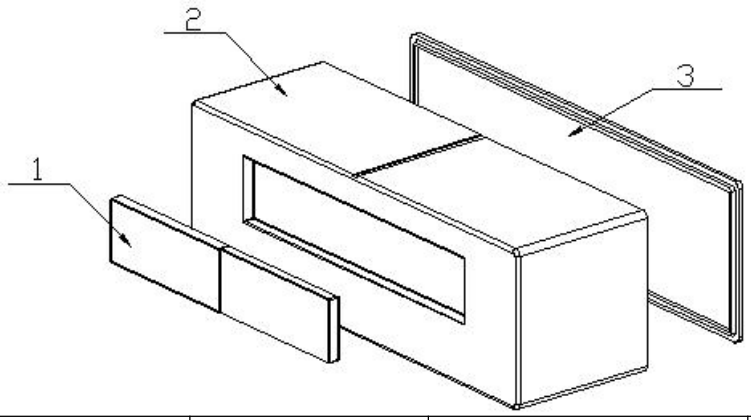
No.	Part No.	Code	Name	Qty
1	P151-503-000	20311707H003	Power supply support plate	1
2	P151-142-000	20211707H033	Power supply bracket	1
3	P151-143-000	20211707H022	Wiring box	1
4	P151-210-000	26000061000	Supply bracket	1

9.10 Coin Mechanism Assembly



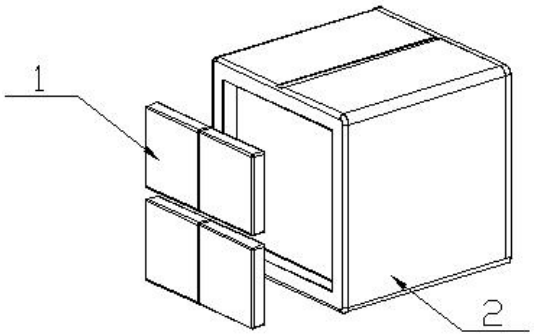
No.	Part No.	Code	Name	Qty
1	P151-140-002	20211707H021B	Coin door	1×2
2	P151-623-000	25300171001	Lock	1×2
3	P151-141-000	20211707H032	Coin mechanism plate	1×2

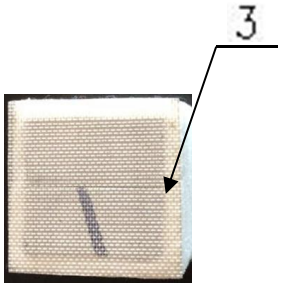
9.11 Paddle Assembly



No.	Part No.	Code	Name	Qty
1	P151-616-000	23502000041	Magnet	2×2
2	P151-157-000	20611707013A	Paddle	1×2
3	P151-158-000	20611707020A	Wool felt pad	1×2

9.12 Ball Assembly

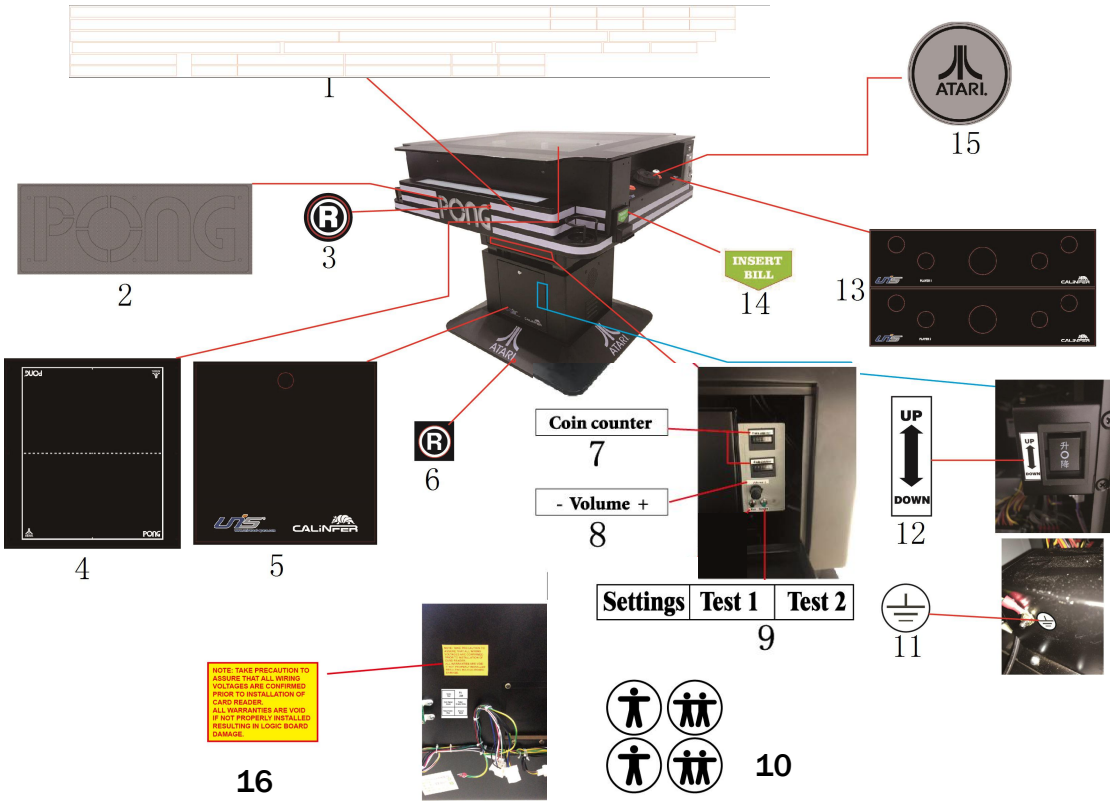




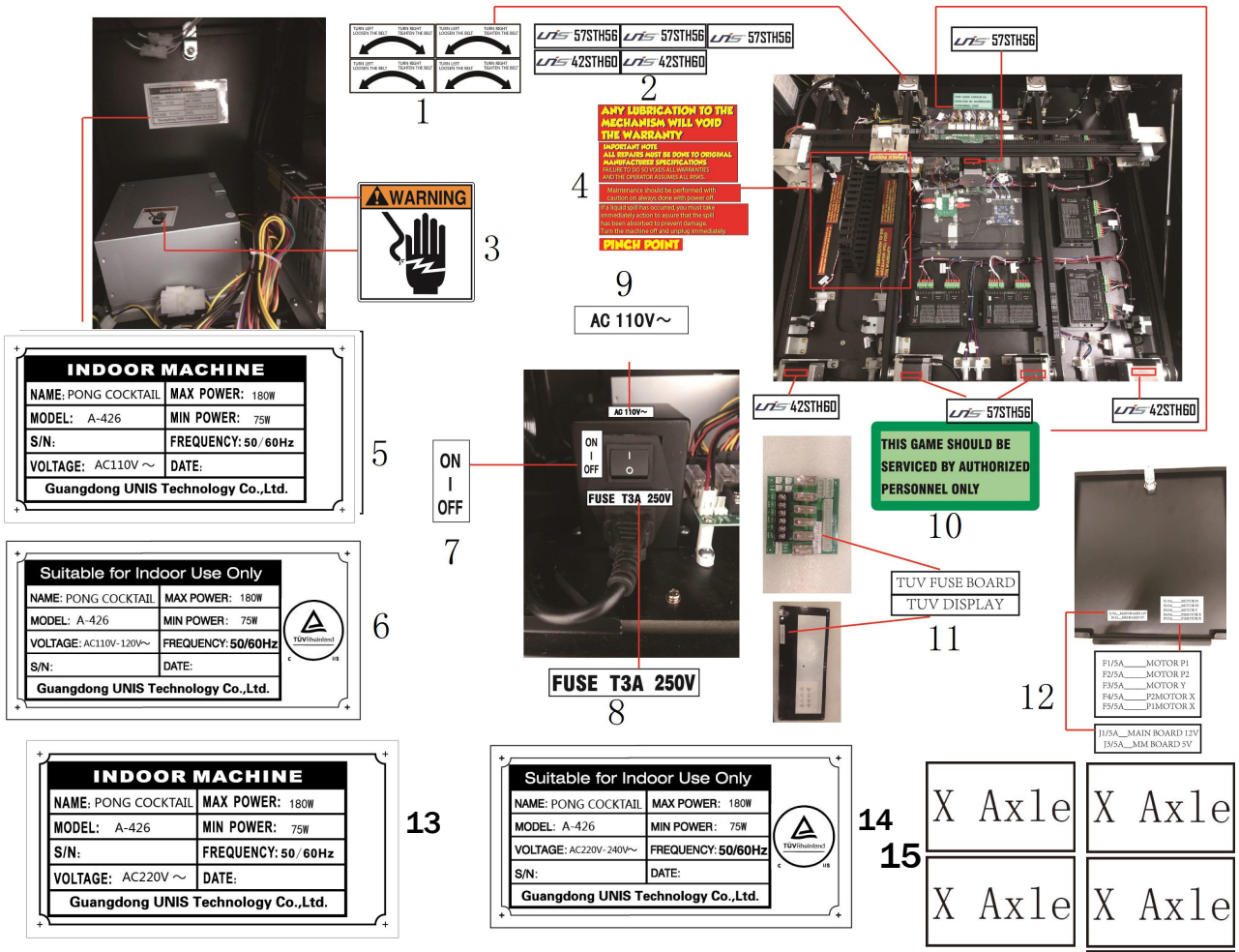
Bottom

No.	Part No.	Code	Name	Qty
1	P151-618-000	23502000048	Magnet	4
2	P151-154-000	20611707012A	Ball	1
3	P151-625-000	40203020002	Teflon tape	1

9.13 Decals



No.	Part No.	Code	Name	Qty
1	P151-706-001	20511707H006A	Side control decal	1
2	P151-701-000	20511707H001	Side light plate	2
3	P151-711-000	20511707H012	Brand R label	2
4	P151-713-000	20511707001C	Play field decal	1
5	P151-707-000	20511707H007	Front door decal	2
6	P151-710-000	20511707H011	Brand R decal	4
7	P151-720-000	25600000001	Counter decal	2
8	P151-721-000	25600000003	Volume decal	1
9	P151-743-000	20511707H021	Counter label	1
10	P151-742-000	20511707H022	1P/2P button decal	1
11	P151-729-000	25600000091	GND label	1
12	P151-709-000	20511707H009	Up-down button	1
13	P151-702-001	20511707H002A	Control decal	1
14	P151-708-000	20511707H008	DBV decal	2
15	P151-714-000	20511707002	ATARL Logo	2
16	P151-741-000	20511707K020	AAMA warning label	2



No.	Part No.	Code	Name	Qty
1	P151-719-000	20511707019	Belt direction label	1
2	P151-716-000	20511707010A	Motor label	1
3	P151-725-000	25600000036	Warning label	2
4	P151-715-000	20511707009B	No lubrication label	1
5	P151-704-001	20511707H004A	110V nameplate	1
6	P151-705-001	20511707H005A	TUV 110V nameplate	1
7	P151-724-000	25600000017	Power SW label	1
8	P151-728-000	25600000073	Fuse label	1
9	P151-727-000	25600000071	110V label	1
10	P151-726-000	25600000042	Service label 1	1
11	P151-717-000	20511707017	Fuse label	1
12	P151-712-000	20511707A007	Wiring label 1	1
13	P151-730-001	20511707H013A	220V nameplate	1
14	P151-731-001	20511707H014A	TUV 220V nameplate	1
15	P151-732-000	20511707020	X axle & Y axle label	1

12vdc Red	P1 J29
Coin Signal Green	Ticket Enable White
Ticket Notch Blue	Ground Black

12vdc Red	P2 J38
Coin Signal Green	Ticket Enable White
Ticket Notch Blue	Ground Black

1

+12V	+12V
Coin signal	Coin signal
Ticket drive	Ticket drive
Ticket singal	Ticket singal
GND	GND

2

MOT_J2	MOT_J1
MOT_X1	J38
MOT_X2	J36
MOT_Y	J35
J34	MOT_EN
BAND	SCORE

MOTOR P1	MOTOR P1	P1 MOTOR X	P2 MOTOR X	P1 MOTOR X
L	R	BUTTON J2	SENS-X	P2 MOTOR X
24V	BUTTON J1	SENS-J1	SENS-Y	MOTOR P2
P1 SENSOR	ENC J2	SENS-J2	12V	MOTOR Y
P2 SENSOR	ENC J1	DBV	5V	DBV
MOTOR P2	MOTOR P1	P1 MOTOR X	P2 MOTOR X	OUTPUT1
	MOTOR Y	MOTOR P2	LIFTING MOTOR	OUTPUT2

3

F1/5A_____MOTOR P1
F2/5A_____MOTOR P2
F3/5A_____MOTOR Y
F4/5A_____P2MOTOR X
F5/5A_____P1MOTOR X
F6/5A_____Lifting Motor

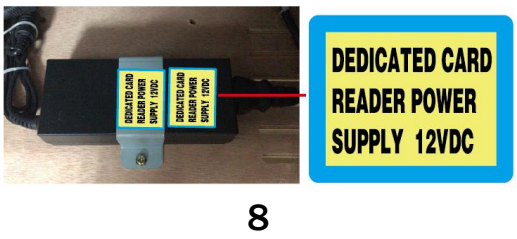
J1/5A__MAIN BOARD 12V
J3/5A__MAIN BOARD 5V

4

Main Board	Sensor
Amplifier Board	Sensor
Score Board	Sensor
Audio Isolator	Sensor
Light control board	

5

6



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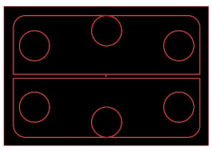
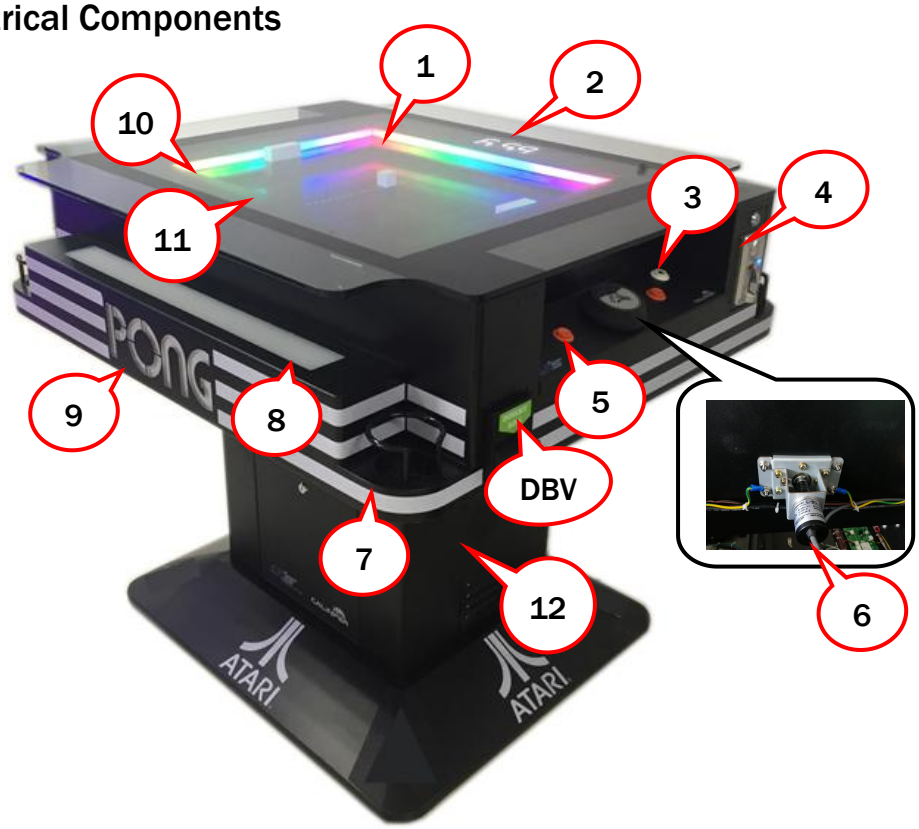


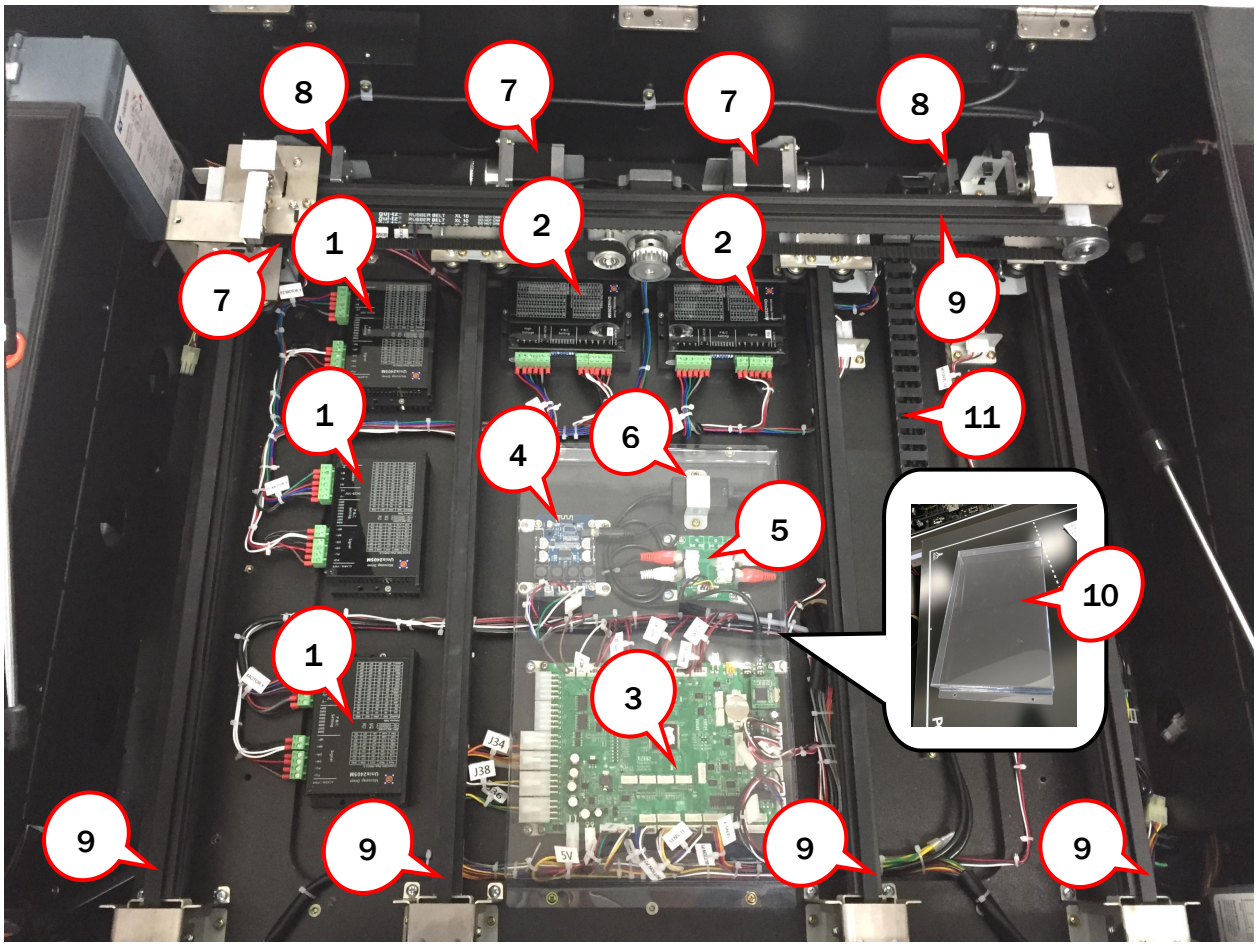
7

No.	Part No.	Code	Name	Qty
1	P151-733-001	20511707K015	AAMA port label	1
2	P151-734-001	20511707K016	AAMA cable label	1
3	P151-703-003	20511707H003C	Wiring label	1
4	P151-736-000	20511707H017	Fuse label	1
5	P151-735-000	20511707H018	Component label	1
6	P151-737-000	20511707H019	Wrench label	1
7	P151-738-000	20511707H020	Hinge label	3
8	P151-739-000	20511605A040	Adapter label	2

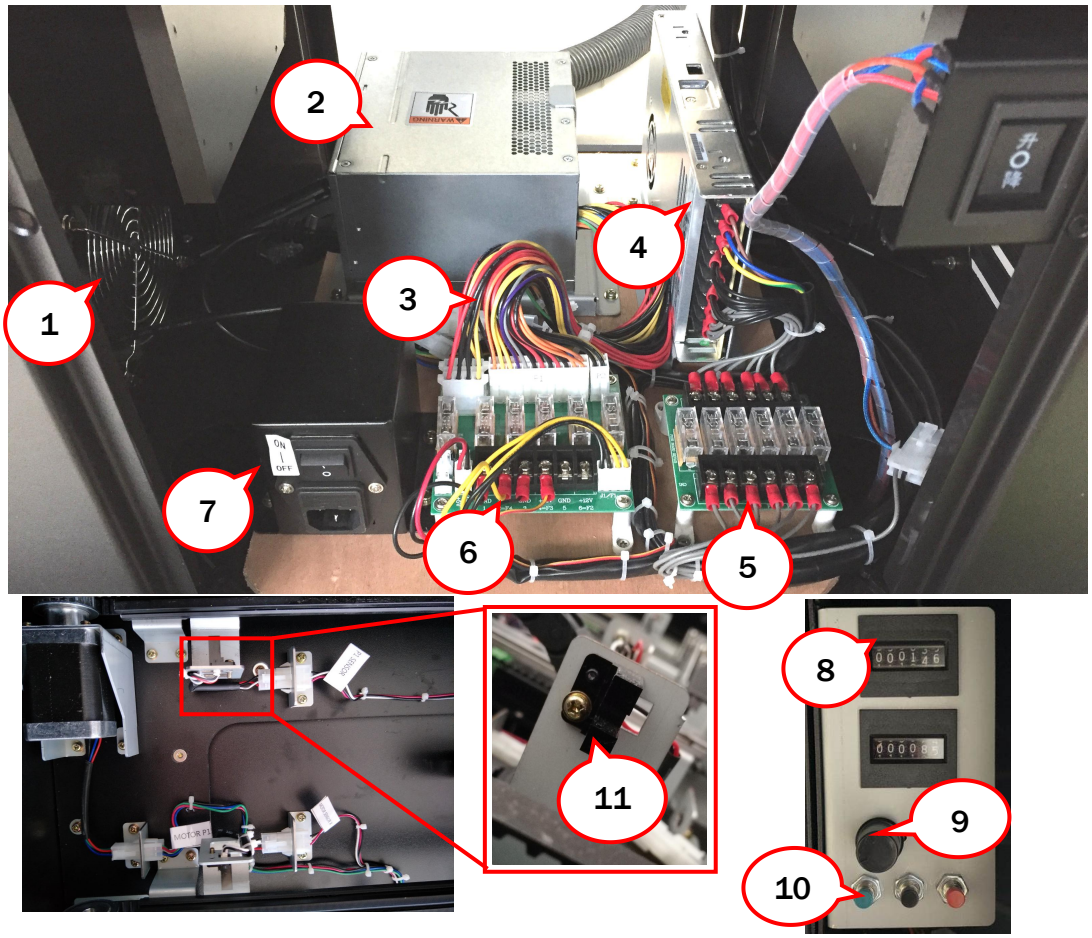
9.14 Electrical Components



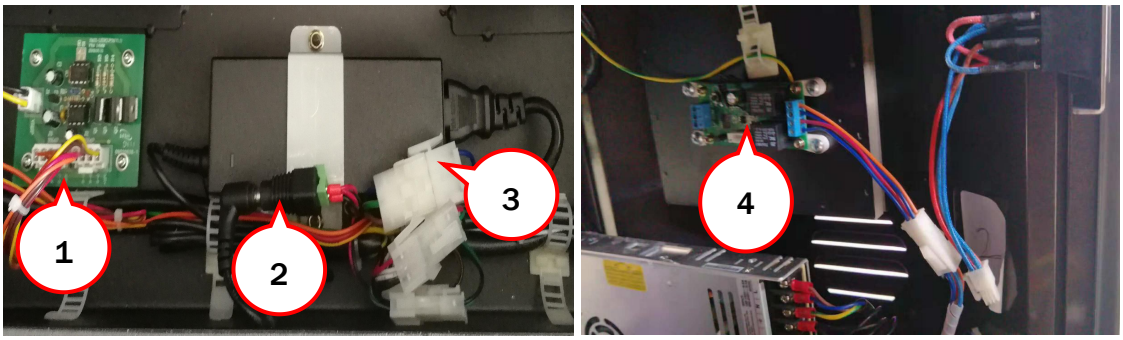
No.	Part No.	Code	Name	Qty
1	P151-411-000	22002020001	Light strip	1
2	P151-437-000	29711707006D	Display board	1
3	P151-449-000	22401000066	Button	4
	P151-450-000	22003000018	LED bulb	4
	P151-401-000	22604000006	Micro SW	4
4	P151-426-001	22301000002A	Electronic coin mechanism	2
5	P151-406-000	22401170004	Orange button	4
	P151-401-000	22604000006	Micro SW	4
6	P151-403-000	23407030001	Coder	2
7	P151-429-000	22002018002	Light strip	100mm×4 (3.9in×4)
8	P151-429-000	22002018002	Light strip	700mm×2 (27.5in×2)
9	P151-429-000	22002018002	Light strip	850mm×2 (33.4in×2)
10	P151-408-000	22201010001	Light slot 1	2
11	P151-409-000	22201010002	Light slot 2	2
12	P151-413-000	22801000085	Speaker	2



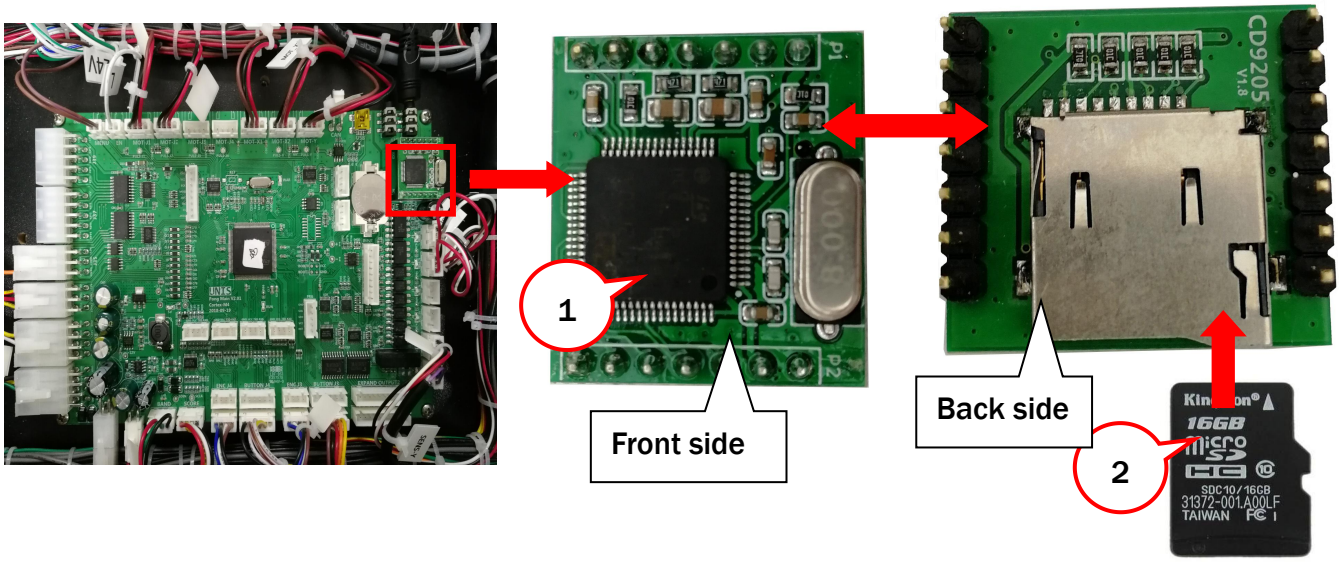
No.	Part No.	Code	Name	Qty
1	P151-607-000	23407010007	Motor driver	3
2	P151-606-000	23407010006	Stepping motor driver	2
3	P151-444-001	29711707009B	Main board	1
4	P151-419-000	22803010008A	Amplifier board	1
5	P151-438-000	21702000022	Multimedia board	1
	P151-443-000	23305000022	Audio cable	2
6	P151-420-000	22807000002	Audio isolator	1
7	P151-610-000	23406000031	Motor	3
8	P151-609-000	23406000030	Stepping motor	2
9	P151-611-000	26504010002	Belt	7500mm(295.2in)
10	P151-191-001	20611707H016	Dust-free cover	1
11	P151-412-000	26503020027	Chain light	1



No.	Part No.	Code	Name	Qty
1	P151-421-000	22702000010	Fan net	1
	P151-410-000	22702010025	Fan	1
2	P151-402-000	21602000106	Power supply	1
	P151-415-000	23301018004	Power cord	1
3	P151-442-000	23309000280G	Cable set	1
4	P151-407-000	21602000105	Power supply	1
5	P151-417-001	21714000148D	Fuse board	1
6	P151-428-001	21714000148E	Fuse board	1
7	P151-414-000	23201000005	Filter	1
	P151-427-000	21901000010	Fuse	1
8	P151-418-000	23000000005	Counter meter	2
9	P151-436-000	29791400001	POT connect plate	1
10	P151-434-000	22402050001	Button(black)	1
	P151-435-000	22402030002	Button(green)	1
	P151-451-000	22402010002	Button(red)	1
11	P151-416-000	21503000055	Sensor SW	4



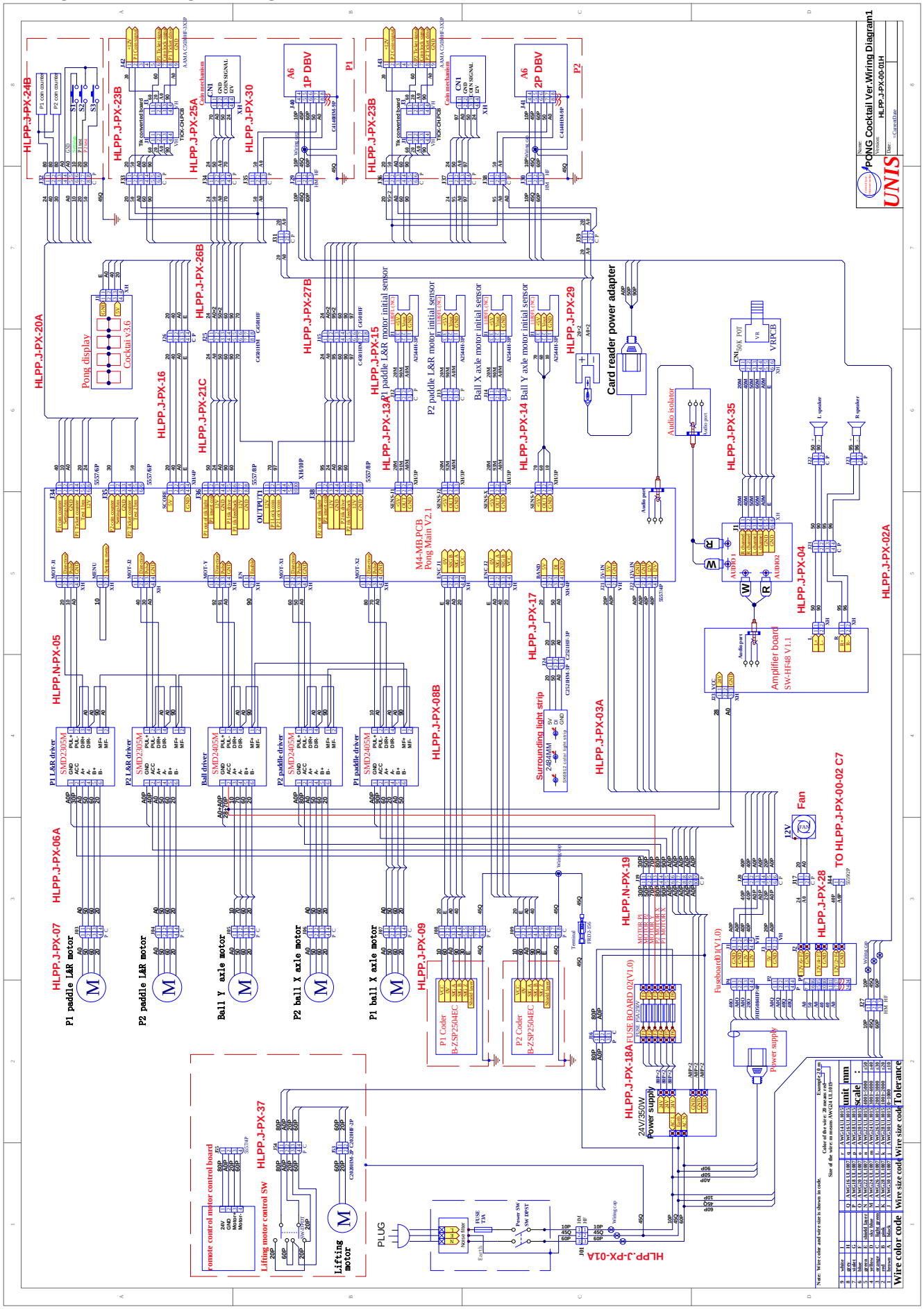
No.	Part No.	Code	Name	Qty
1	P151-430-000	29711410001	PCB	1
2	P151-433-000	23301040022	Power cord	1
3	P151-432-000	21603020001A	AC adapter	1
4	P151-447-000	21204030003	Lifting mechanism controller	1

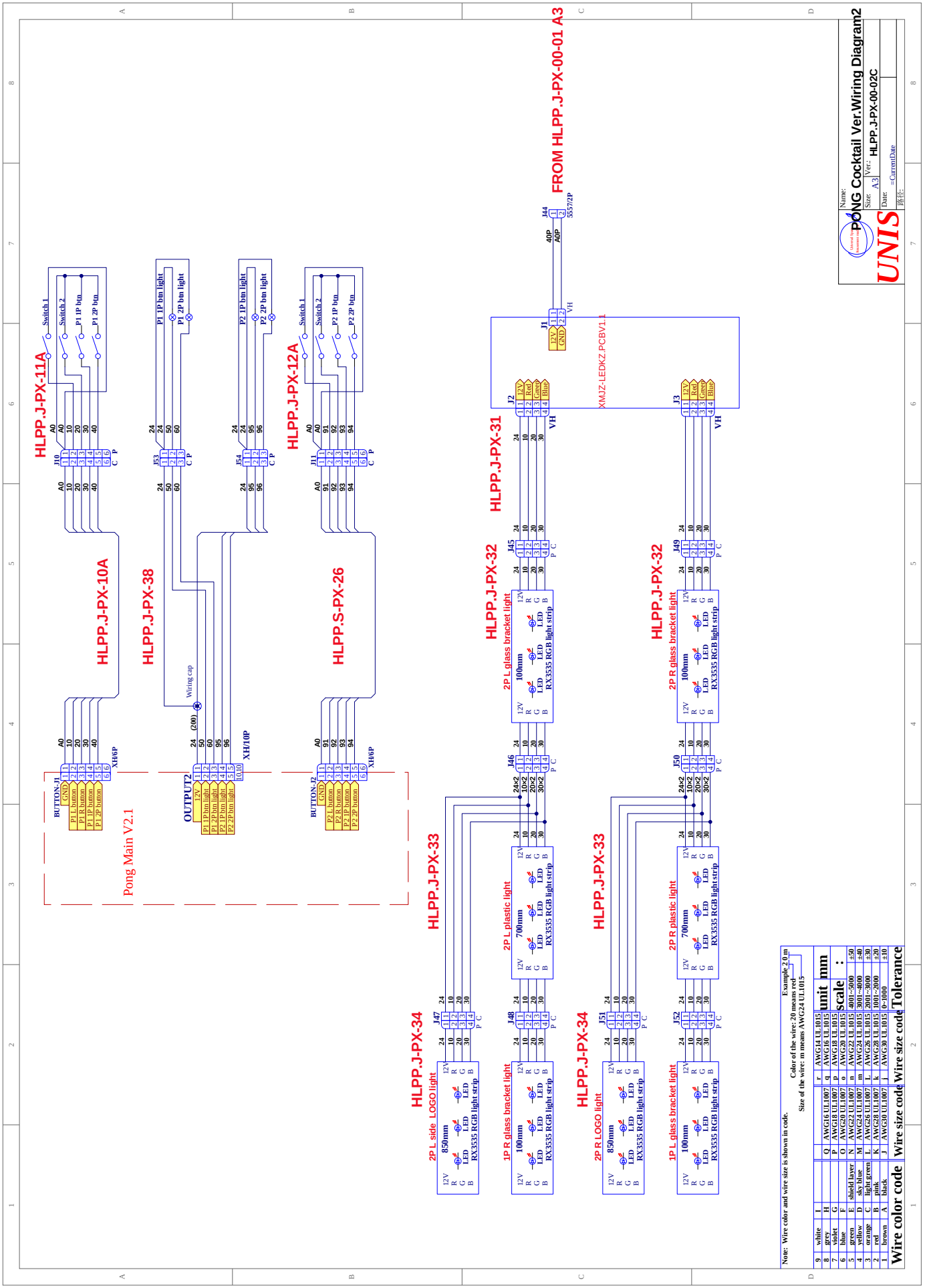


No.	Part No.	Code	Name	Qty
1	P151-445-000	51306000020	Quadraphonic mixing module	1
2	P151-446-001	21107010038	TF card	1

No.	Part No.	Code	Name	Qty
1	P151-448-000	29790700002	Ticket converted board	1

10. WIRING DIAGRAM




FROM HLPP.J-PX-00-01 A3
HLPP.J-PX-11A
HLPP.J-PX-10A
HLPP.J-PX-38
HLPP.J-PX-12A
HLPP.S-PX-26
HLPP.J-PX-31
HLPP.J-PX-32
HLPP.J-PX-33
HLPP.J-PX-34
Pong Main V2.1
XMJZ-LEDKZ.PCBV1.1
PONG Cocktail Ver.Wiring Diagram2
UNIS
Ver: HLPP.J-PX-00-02C
Size: A3
Date: =CurrentDate
Wire color code
Wire size code
Tolerance
unit mm
scale :

MAINTENANCE LIST

The items listed below should be reviewed as required.

Ball		OK/NG	Sign
1	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 8.5)		
2	Replace the Teflon tape on the Ball once a year. (Refer to 8.5)		
Paddles			
1	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 8.4)		
2	Replace the Wool felt pad on the Paddles once in every 1.5 years. (Refer to 8.4)		
Playfield			
1	Check quarterly. If the surface of the Playfield has dirt, utilize the non-woven fabric with distilled water to clean. (Refer to 8.3)		
2	Replace the Playfield once in every 2-3 years.		
Belts			
1	Check once in every 6 months if the Belts are loose. (Refer to 8.7 and 8.8)		
2	Replace the Belts once in every 2-3 years.		
Wheels			
1	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.