ATTENTIONS

Please read the manual first before operating this machine.

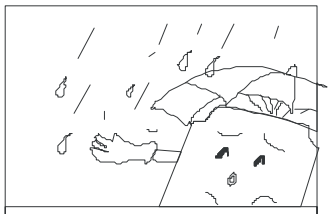
Please pay attention to the items marked in “note”.

Safety Attentions

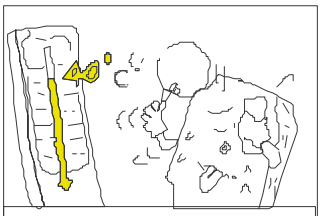
1) Certain part of the game is with high voltage. Adjust the game by technician. Do not open the game door unless maintenance or parts replacement is required.
2) Please switch off the power before checking and maintenance.
3) Please switch off the power before opening the game door.
4) Fire extinguisher equiment must be nearby the game.
5) The game must be located properly to avoid damages.

Improper Locations:

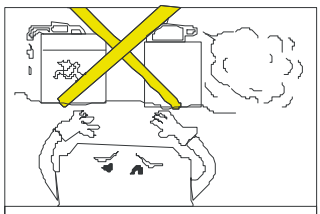
Place directly exposed to sunshine



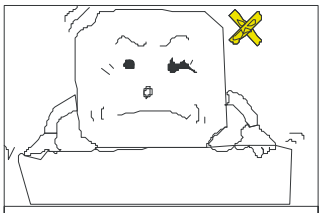
Humid area



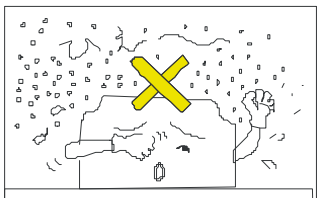
Place with high temperature



Place with corrossive air and liguid



Rough area or place with strong shake



Place with massive dust

Notes of Usage

1) The voltage range of the game should be 105V~115V or 215V~225V. The proper voltage should be 110V/220V. The specific voltage accords to the date plate on the back door of the game.
2) The plug must be plugged in tightly but keep the power cords not be too tight.
3) Please properly adjust the coin mech and the game settings when use at the first time.
4) Please regularly check all the functions of the game when operate.

Notes of Maintenance

1) Be sure to check and maintance the game regularly.
2) Switch off the power before replacing the parts of the game.
3) The parts for replacement should be the same model as the old one.
4) Please check the connection and voltage output after replacing the power supply.
5) The voltage range of the PCB should be 5.1V-5.4V.
6) Check whether the game has creepage and the voltage before repairing the PCB.

Notes of Clean

1) Please use clean and soft colth to clean the game.
2) Prevent damaging the surface of the game, please do not use the following cleanser:
   - Alterative Cleanser;
   - Acidic Cleanser;
   - Insecticide, sterilized water, alcohol or other chemical cleanser.

Notes of Moving and Shipping

1) Properly disassemble the game for necessary moving and shipping.
2) Prevent the game from hitting or being attrite during movement.
3) Protecting the case when move the game.

CONTENT

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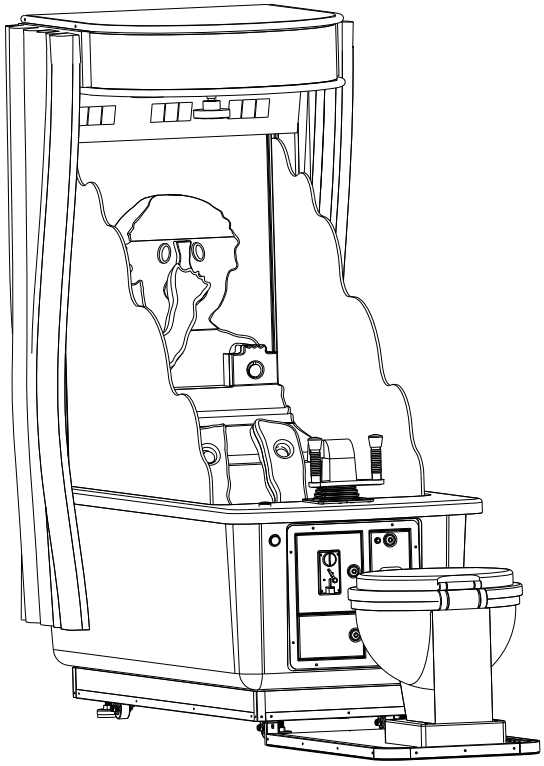
GAME INTRODUCTION



Features:

Controlled by integrated main board; High-speed processing CPU; Stable and reliable performance.

High-quality coin mech fits for various coins.

High-quality ticket dispenser fits for general tickets.

GAME INSTRUCTIONS

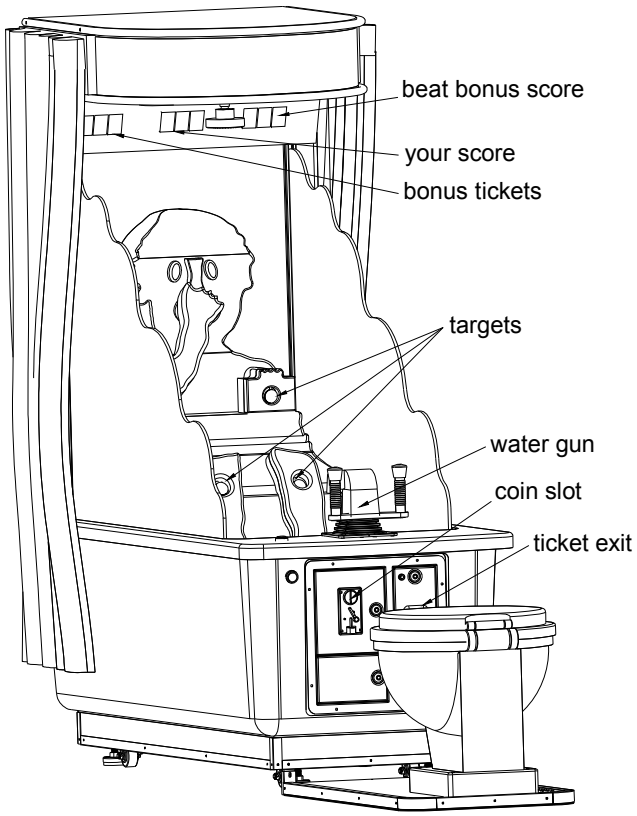
Insert coin.

Push START button when ready.

Shoot lighted target to score.

Higher the score, the more tickets you get.

Beat “BONUS SCORE” to win bonus tickets.



TECHNICAL PARAMETER

Voltage: AC 220V/110V（50/60HZ）

Max. Ampere: 5A/10A (Note: The proper voltage and current used accords to the nameplate at the back door of the game.)

Max. Power: 780W

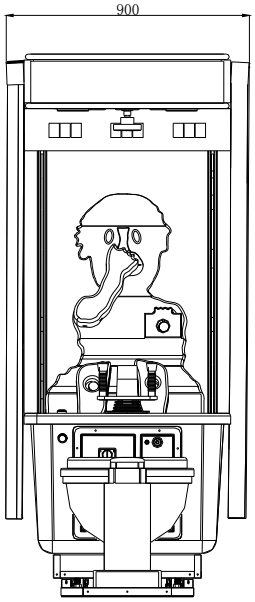
Coin size: φ21mm ~ φ31mm (diameter)

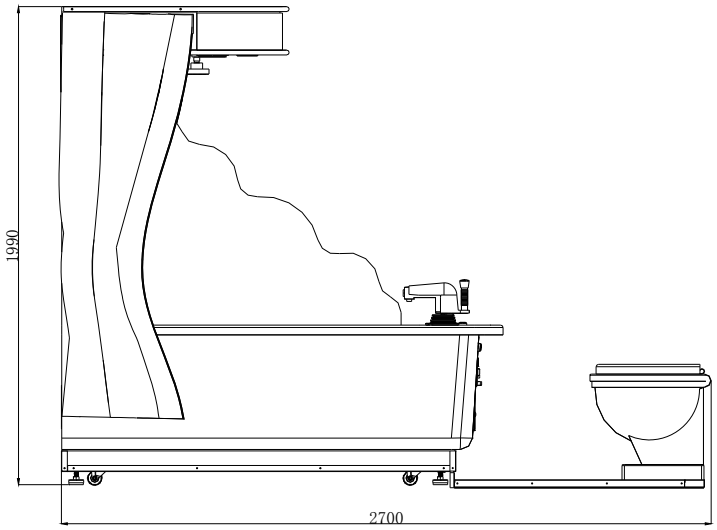
1.2mm ~ 2.5mm (thickness)

Capacity of coin box: about 3900 pcs with coin size φ25mm*1.5mm

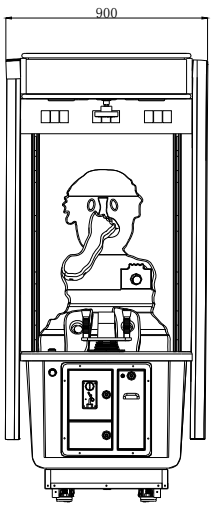
Location required: indoor use; temperature: -5~40°C; no contact with any corrosive, greasiness and dirt.

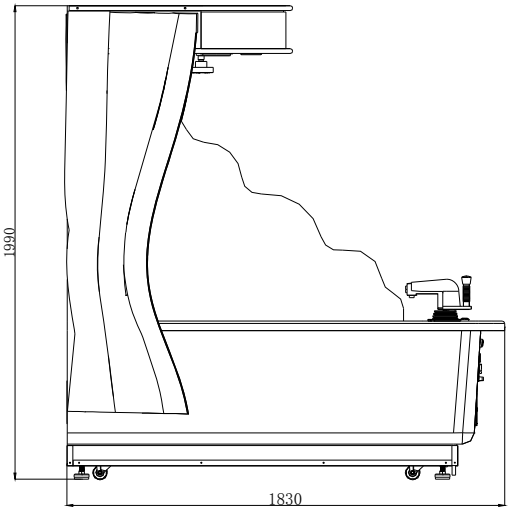
Dimensions: L2700mm*W900mm*H1990mm



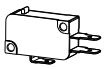
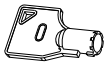
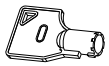


Disassembled dimensions: L1830mm*W900mm*H1990mm



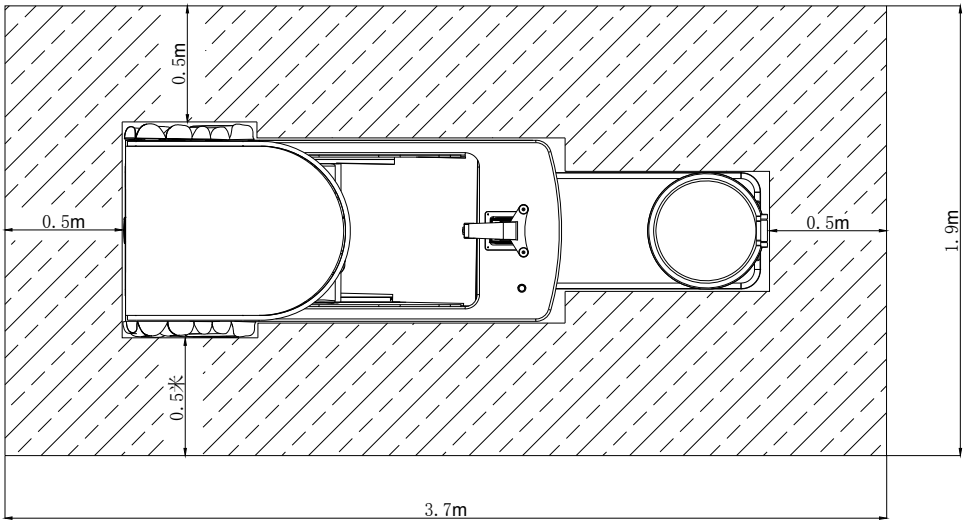


Free Parts:

#	DRAWING	NAME	SPEC./MODEL	QTY
1		FUSE	10A, SMALL	2
2		LED LIGHT	RED, GREEN	2
3		MICRO SWITCH		1
4		COTTON FILTER		1
5		FILTER HANDLE		1
6		KEY	919#	2
7		KEY	818#	2
8		POWER CORD		1
9		MANUAL		1

INSTALLATION

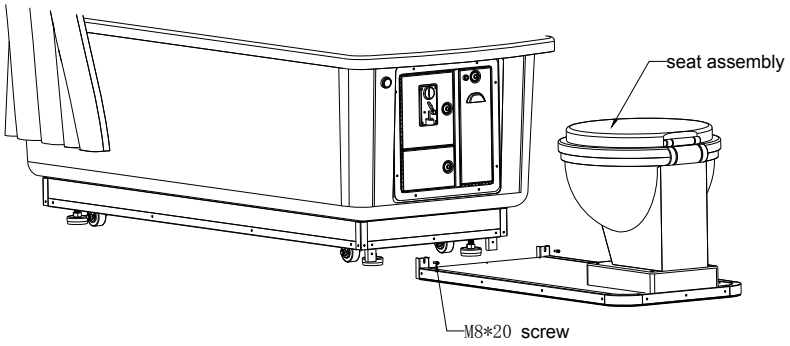
Choose a proper location and make sure there is enough space around the game, as the drawing shown below:



Note: This game must be put on the flat floor.

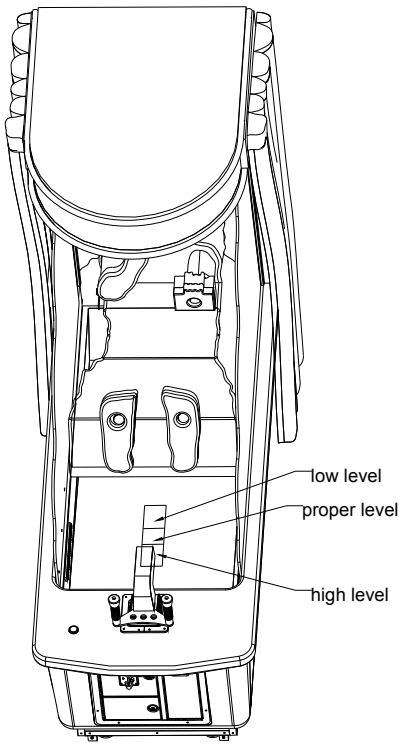
Fix the seat:

Tightly plug the light board of pedal and cabinet, aim the holes of seat and cabinet, tighten them with M8*20 screws.



Fill water:

Fill 30L water into the water drain pan to reach the proper water level (there will be a sticker shown waer level).



Check the pump:

The pump will be factory tested before being shipped out. There is the potential that there still may be some water left in the game. If the game is left not used, the pump may rust and corrode. This corrosion may damage the pump and therefore the pump needs to be tested prior to initial game startup.

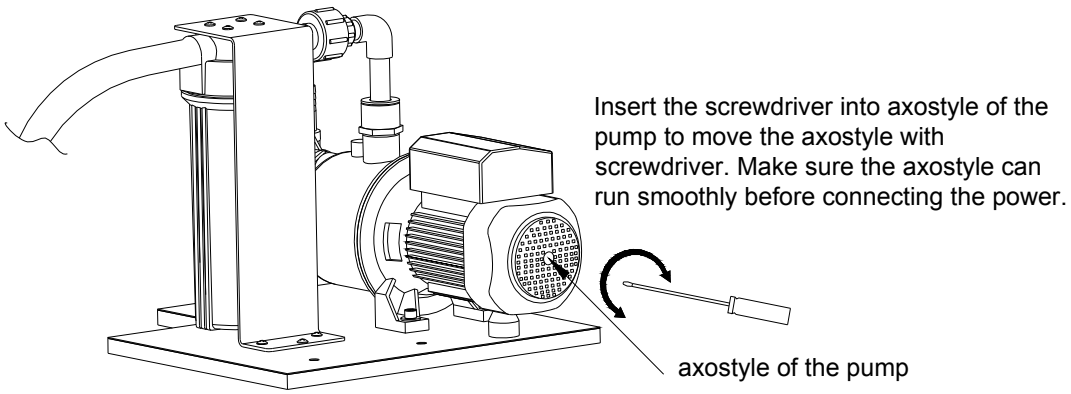
Directions:

1. Before powering on the game, open access door to the pump.
2. Insert the normal screwdriver into the shaft of the pump and turn it with a screwdriver.

If the shaft turns smoothly, then the pump will operate smoothly.

Apply an increasing amount of force to ensure the shaft will turn smoothly.

3. After confirming the shaft turns smoothly power then can be applied to the game.
4. Run the game to ensure proper operation of the pump.



Notes:

If the pump shaft does not turn smoothly please contact technical support.

There is a potential for the water that is in the pump to freeze if kept in an area where temperatures decrease to 0°C. If there is the potential for freezing, please clean the pump and ensure that there is no fluid inside of the pump. Also ensure that there is water inside of the pump before operating the pump. If there is no water inside of the pump the chances for pump failure increase exponentially as the pump will potentially burn up. There is a low water level indicator light on the front of the game. When lit add more water.

Check the connection:

1. Check if the inner structure of the game is loose caused by transportation or the terminals drop.

2. Check if the game is grounded.

3. Check if the resistance of the GNDs is more than 100 megohm.

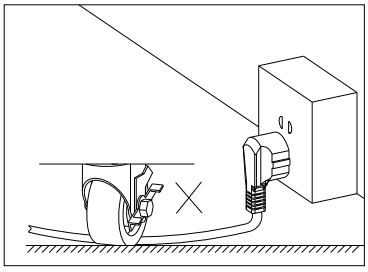
4. Adjust the coin mech and confirm it can work properly.

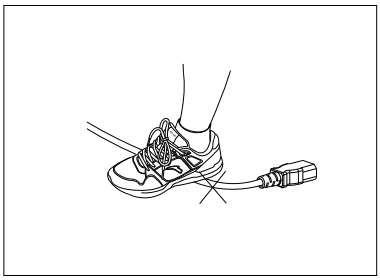
5. Connect the power cord.

Attentions:

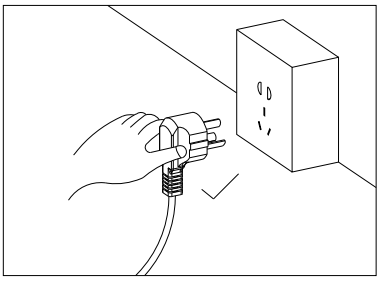
a) Please make sure the power cord is not pressed by wheel, foundation, etc. Otherwise, the wire will be damaged to cause short circuit, even fire. Do not use strong power to extend and wring the wires. Do not make the wire be

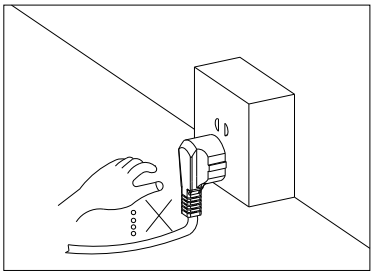
near to the high temperature object. Properly put the wire to avoid any kicking or treading.





b) Hold the plug to pull it out from the socket and do not touch the plug with wet hands.





c) Make sure the voltage and fuse used are proper.

Input power:

1. Confirm the value of input voltage is same as the one stated on nameplate.

2. Insert the normal screwdriver into the shaft of the pump and turn it with a screwdriver.

If the shaft turns smoothly, then the pump will operate smoothly.

3. Connect the power cord, turn on the power switch.

4. Adjust the coin mech and confirm it can work properly.

5. Check if all the display boards and chasing lights can work properly.

6. Test the game to confirm the water gun, ticket dispenser is without any problems.

7. Check the sound.

Check before operation:

1. Confirm the power cord is properly plugged and without any damages.

2. Confirm the game is installed scurely.

3. Confirm the cabinet of game is without damages and burrs.

4. Confirm the surface of game is clean and with proper marks.

Daily operation:

1. Switch on the game.

2. Check if the display board can display properly.

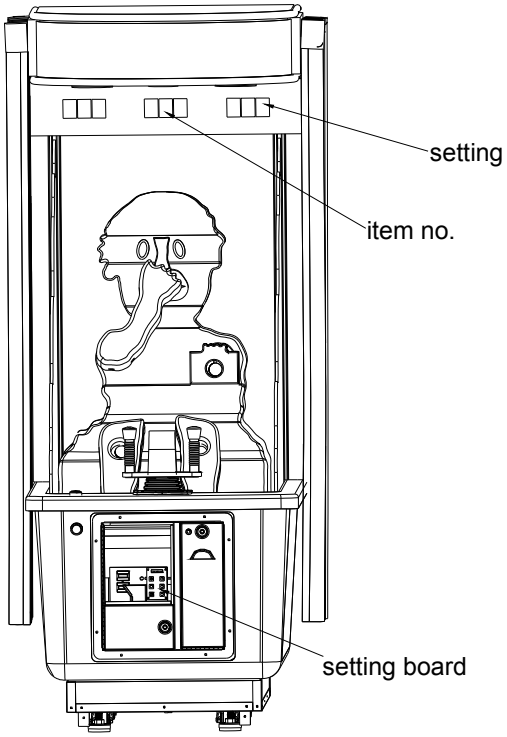
3. Check if the sound is proper.

4. Check if the coin mech, buttons, water gun, ticket dispenser can work properly.

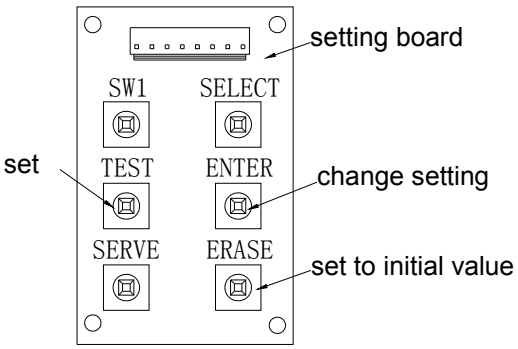
After operation, please collect coins from coin box and keep record of the meter.

GAME SETTING

1. Find out the setting board.



Setting board:



TEST: Enter into setting mode, change the item no.

ENTER: Change the setting.

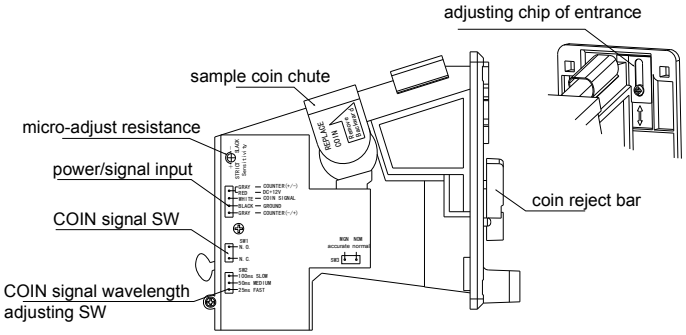
ERASE: Set to initial value.

2. Follow below chart to set the game:

ITEM#	NAME	SETTINGS RANGE
1	COINS TO PLAY	1 ~ 5 COIN(S)
2	BONUS SCORE TO BEAT	100 ~ 350 POINTS
3	WATER DEMO START TIME	OFF, 0 ~ 300 SECOND(S)
4	BONUS TICKETS TO START	0 ~ 100 TICKET(S)
5	BONUS ADD	0 ~ 5 COIN(S)
6	MAXIMIUM BONUS TICKETS	0 ~ 500 POINT(S)
7	SCORE PER TICKET	0 ~ 60 POINT(S)
8	GAME TIME	10 ~ 30 SECONDS
9	FREE TICKETS	0 ~ 7 TICKET(S)
10	POINTS PER TARGET	1 ~ 15 POINT(S)
11	DEMO SOUND	0 - OFF, 1 - ON
12	TARGET SEQUENCE SPEED	10 ~ 45 SECONDS
13	TARGET RUNNING SPEED	0 - SEQUENCE, 1 - RANDOM
14	PROGRESSIVE SPEED	0 - OFF, 1 - ON

ADJUSTMENT

Adjust the coin mech:

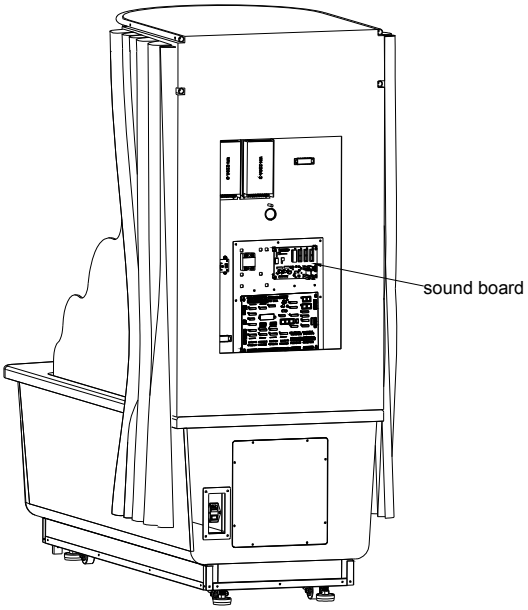


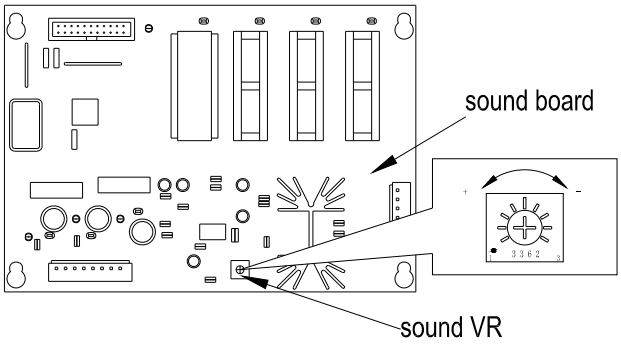
Adjustment of the coin mech usage:

1) Please take out the plastic coin from sample coin chute and replace it with token.
2) Remove the screws on back of coin entrance. Adjust the fixing chip on back of coin entrance according to the token's diameter to prevent blocking the coin mech as inserting the large coin in by mistake.
3) Turn the COIN Switch to "ON" (COIN Signal wire and GND should be disconnected at usual time). Turning the switch can be used as the coin-insert switch when the game is power on.
4) Adjust the COIN signal wavelength to 50MS.
5) Adjust the micro-adjust resistance of token tolerance. Clockwise: increase the sensitivity of token tolerence, that is, the range of accepting the token tolerance will be larger. Counterclockwise: decrease the sensitivity, that is, the range will be smaller and choose the token more strictly.

Adjust the volume:

1. Find out the sound board.





2. Twist the sound VR with screwdriver to increase or decrease the volume.

MAINTENANCE

Daily check:

ITEM	DESCRIPTION
Coin mech	Check if the coin mech can work properly.
Ticket dispenser	Check if the ticket dispenser can work properly.
START button	Check if the button can work properly.
Sound	Check if the game has proper sound.
Pump	Check if the pump can work proper.
Pump connector	Check if each connector of pump has leaking.
Temperature, humidity	Check if the temperature, humidity is proper.

Daily maintenance:

ITEM	DESCRIPTION
Cabinet	Clean the cabinet with water and cloth.
Glass	Clean the glasses with water and absorbent paper.
PCB	Sweep the PCB with brush.

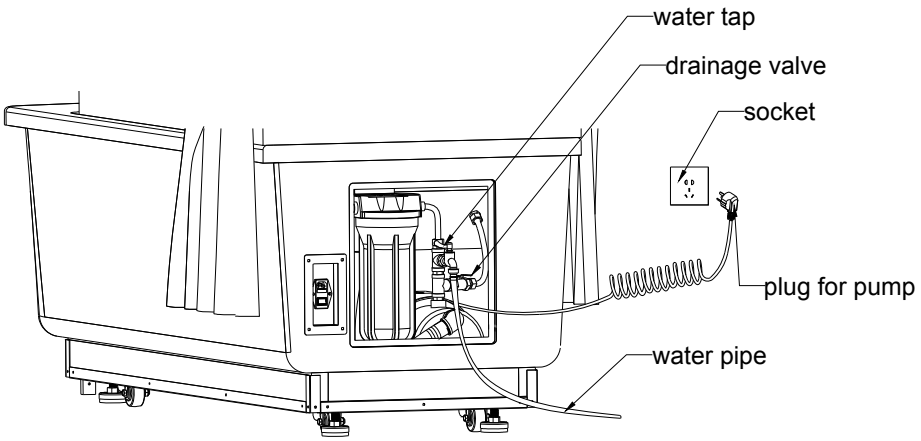
Regular check:

ITEM	DESCRIPTION	TIME
Pump connector	Check if all the connectors of pump are sealed and have leaking.	Every 3 months
Water inside the cabinet	Check if the water inside cabine is clean.	Every 2 weeks

Clean the sewage inside cabinet:

To keep the machine clean, please replace the water inside and clean the water on glass every two weeks.

1. Open the back door, put the water pipe into bucket.



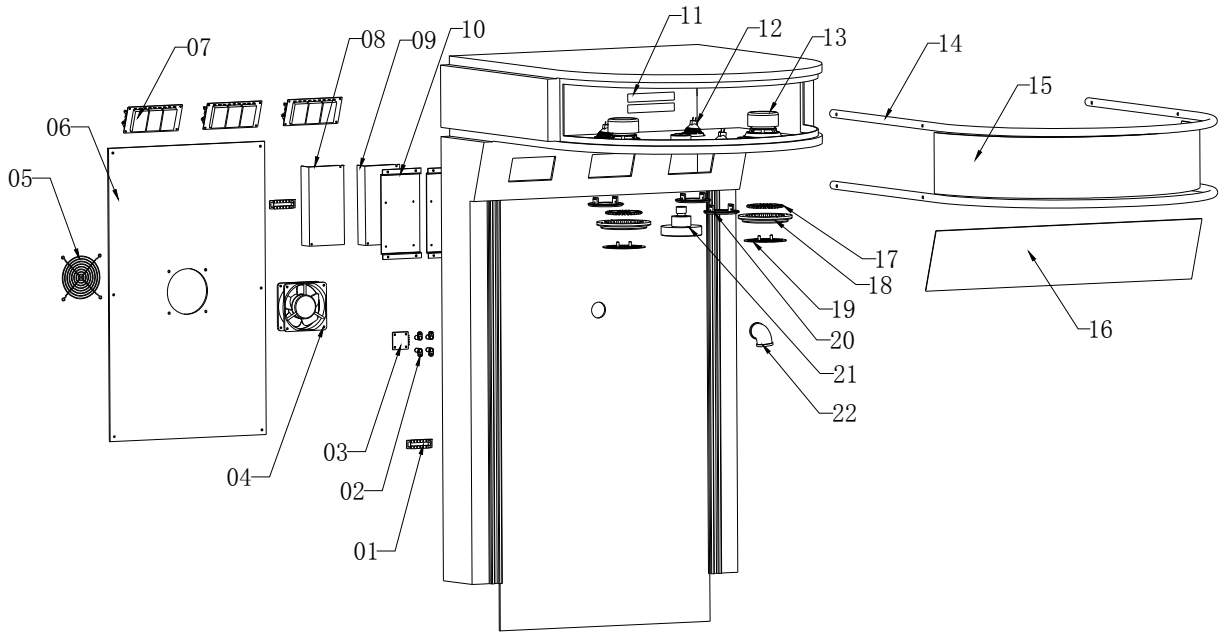
2. Open the water tap, close the dranage valve (clockwise – close, counterclockwise – open), plug the pump plug into socket, then the pump will start to run and water can be drained into bucket.

TROUBLESHOOTING

ITEM	PROBLEM	CAUSES	SOLUTIONS
coin mech	can't insert coin	Need to adjust the coin mech.	Adjust the coin mech.
		Fake coin blocked in coin mech.	Remove the fake coin.
	the coin in coin box is invalid.	Wire of coin signal is loose.	Check the connection of coin signal.
		Coin mech is bad.	Repair or replace the coin mech.
ticket dispenser	No ticket dispensed	The connection of ticket dispenser is bad.	Check the connection of ticket dispenser.
		The ticket board is bad.	Repair or replace the ticket board.
START button	Invalid	The wire of button is loose.	Check the connection of button wire.
		The micro switch is bad.	Repace the micro switch.
steel-spring switch	Not score.	Connection of switch is bad.	Reconnect the wires of switch.
		The switch is bad.	Replace the switch.
display board	No display.	Connection of display board is bad.	Reconnect the wires of display board.
		Display port on main board is bad.	Repair or replace the main board.
spot light	Does not work.	Connection of spot light is bad.	Reconnect the wires of spot light.
		The spot light is bad.	Replace the spot light.
speaker	No sound.	Speaker is bad.	Check and replace the speaker.
		Wire of sound signal is loose.	Check the connection of sound signal.
		Volume is too low.	Increase the volume by adjusting VR1102 on main board.
pump	Does not work.	Voltage control reply is bad.	Replace the relay.
		Turnable blade is rusted.	Twist the screws of blade with screwdriver to made the blade turn.
power	No movement.	No AC110V/220V voltage input.	Check the conenction of power and the voltage input.
		The fuse is burnt.	Replace the fuse.
		voltage output of power supply.	Repair or replace the power supply.
		The ouput voltage of power supply is too low.	Increase the ouput voltage to 5.2V
		Main board is bad.	Replace the main board.

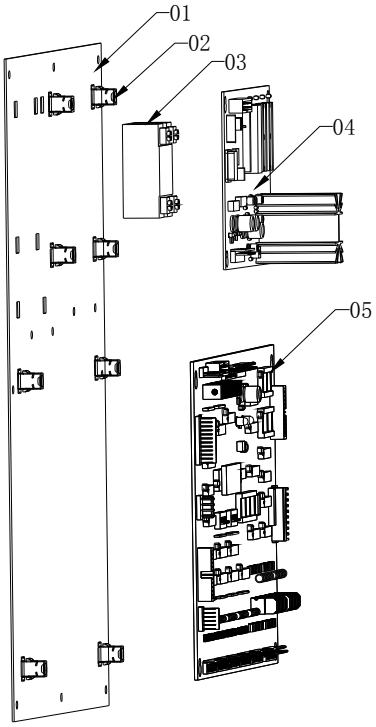
PARTS LIST

Light Box:



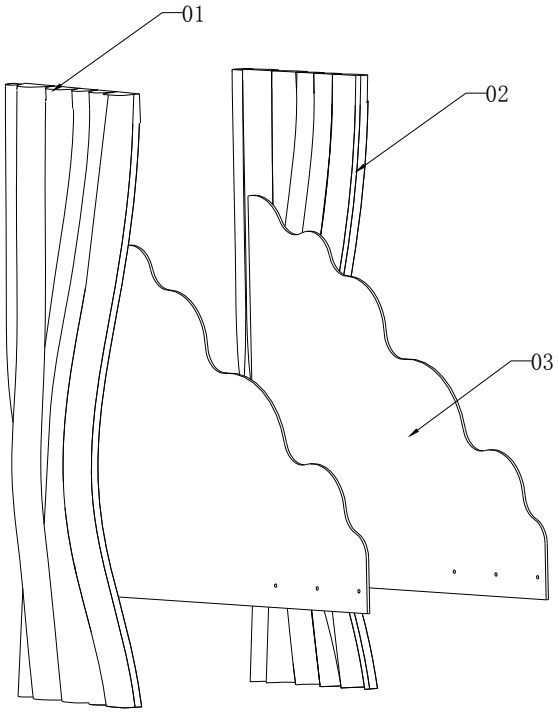
NO.	NAME	QTY		NO.	NAME	QTY
01	6P connector	1		13	speaker 4"	2
02	PCB port	4		14	decoration pole	2
03	drive board for chase light	1		15	decoration board	1
04	fan	1		16	arylic for display board	1
05	fan mesh	1		17	speaker chase light	2
06	back door 1	1		18	speaker acrylic	2
07	display board (3-digit)	3		19	speaker mesh	2
08	power supply 5V6A 12V8A	1		20	LED light bracket	2
09	power supply +18V -18V	1		21	shower head	2
10	holder for power supply	2		22	pipe	1
11	LED light board 1	2				
12	LED spot light	3				

Main Board:



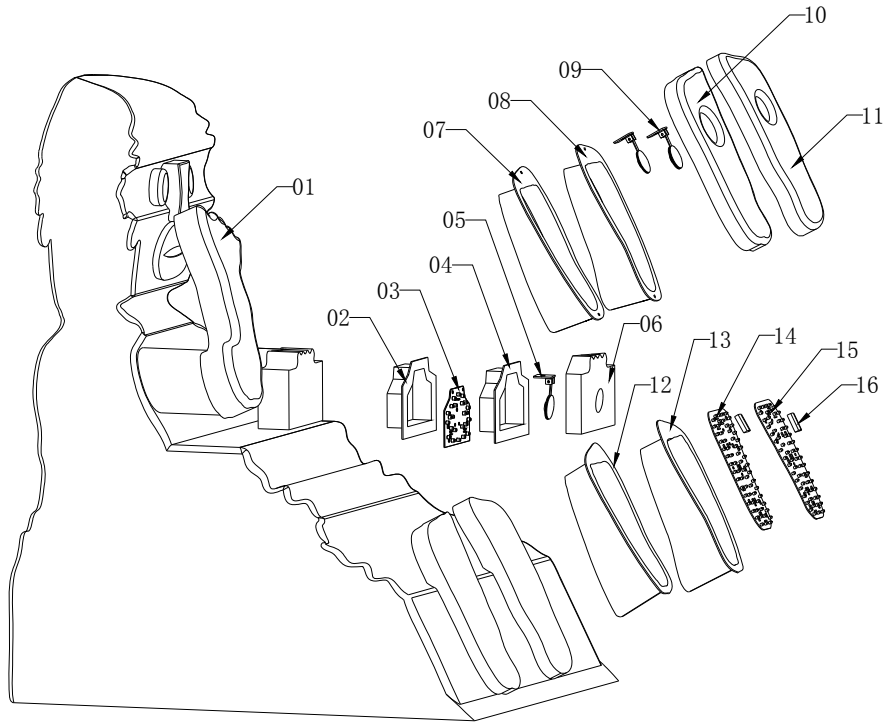
NO.	NAME	QTY
01	PCB base board	1
02	iron port	8
03	solid relay 25A	1
04	sound board	1
05	main board	1

Glasses, Decorations:



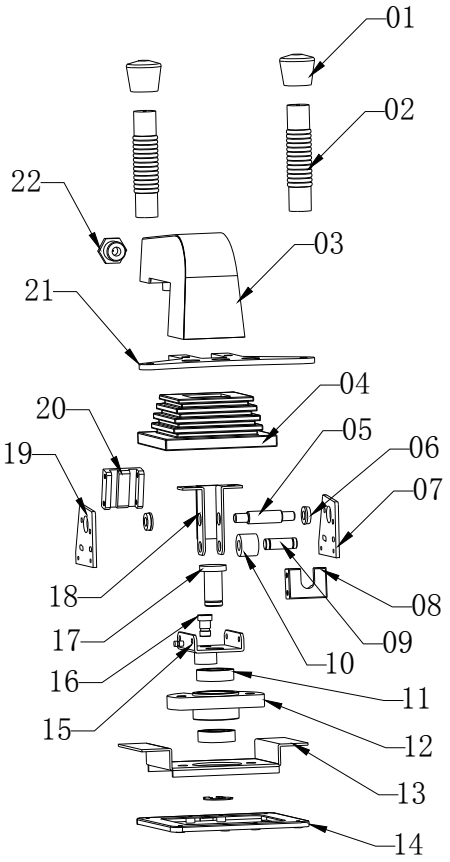
NO.	NAME	QTY
01	left curtain	1
02	right curtain	1
03	glasses	2

Fiberglass Figure:



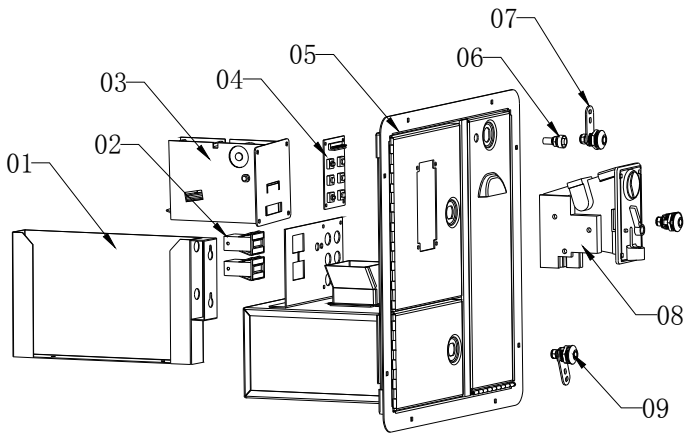
NO.	NAME	QTY		NO.	NAME	QTY
01	fiberglass figure	1		11	acrylic cover (right foot)	1
02	acrylic box 1 (soap)	1		12	acrylic box 2 (left foot)	1
03	chase light board (soap)	1		13	acrylic box 2 (right foot)	1
04	acrylic box 2 (soap)	1		14	chase light board (left foot)	1
05	scoring sensor chip 1	1		15	chase light board (right foot)	1
06	acrylic cover (soap)	1		16	switch	3
07	acrylic box 1 (left foot)	1				
08	acrylic box 1 (right foot)	1				
09	scoring sensor chip	2				
10	acrylic cover (left foot)	1				

Water Gun Assembly:



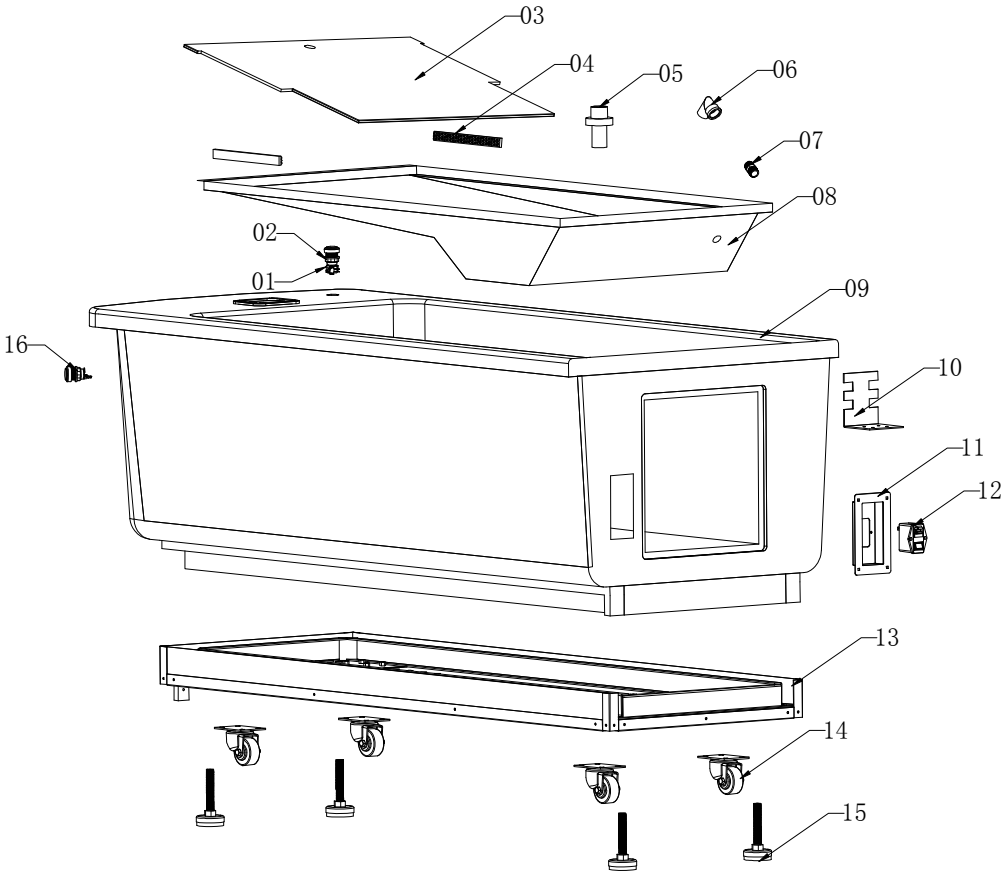
NO.	NAME	QTY
01	handle cover	2
02	handle	2
03	gun cover	1
04	gun booth	1
05	connecting pole	1
06	shaft sleeve	2
07	shaft bracket 1	1
08	bracket connecting piece 1	1
09	pole 1	1
10	pole casing 1	1
11	bearing 1	2
12	shaft frame	1
13	gun chassis	1
14	gun base	1
15	shaft frame 2	1
16	pole 2	1
17	pole 3	1
18	shaft frame 3	1
19	shaft bracket 2	1
20	bracket connecting piece 2	1
21	gun cover connecting piece	1
22	gun head	1

Coin Door Assembly:



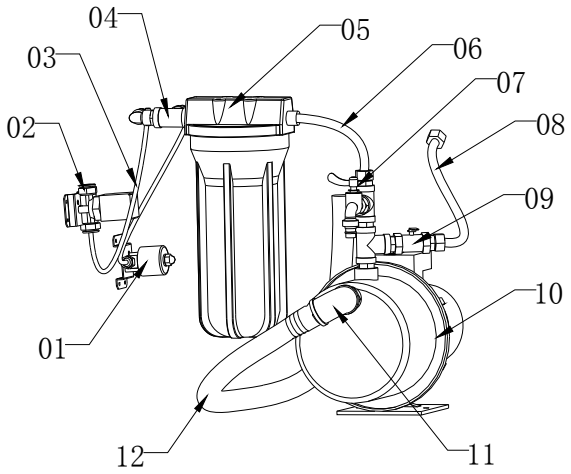
NO.	NAME	QTY
01	ticket box	1
02	meter	2
03	ticket dispenser	1
04	sentting board	1
05	coin door assembly	1
06	no-ticket indicator	1
07	lock 1285	2
08	coin mech	1
09	lock 1396	1

Cabinet Assembly:



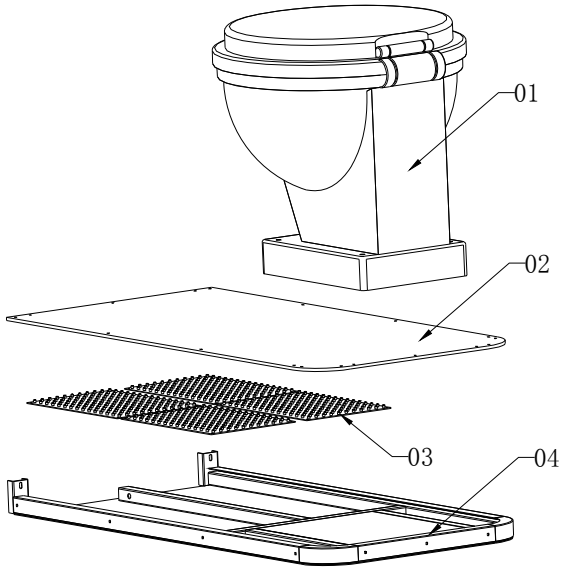
NO.	NAME	QTY		NO.	NAME	QTY
01	micro switch	1		09	fiberglass cabinet	1
02	medium button with light	1		10	filter holder	1
03	water drain pan acrylic board	1		11	switch box	1
04	chase light strip	2		12	power filter	1
05	outlet	1		13	cabinet chassis	1
06	outlet assembly	1		14	wheel	4
07	pipe connector	1		15	foundation	4
08	water drain pan	1		16	medium button with light	1

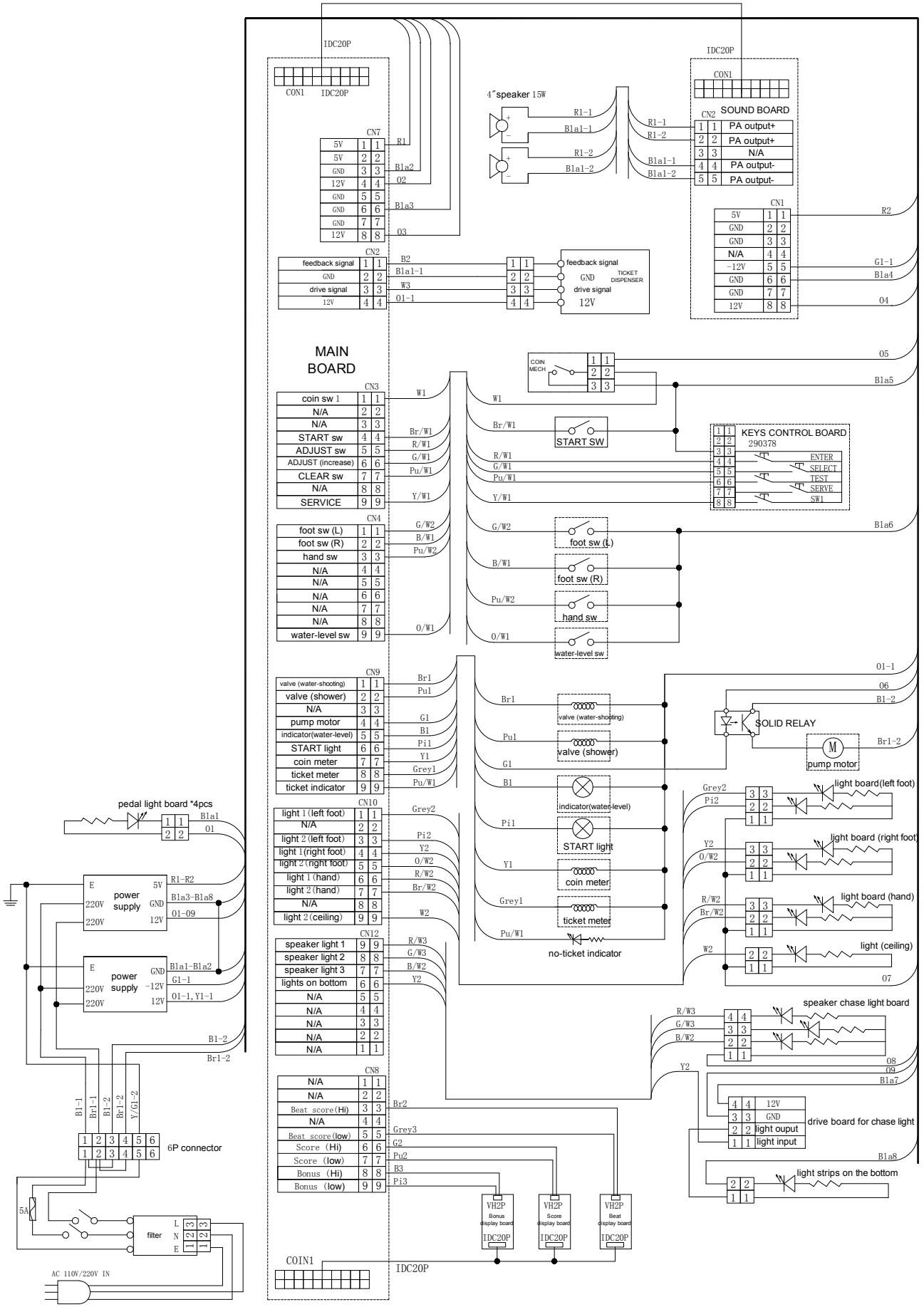
Pump Assembly:



NO.	NAME	QTY
01	solenoid valve 1	1
02	solenoid valve 2	1
03	water pipe 1	1
04	connector 1	1
05	water filter	1
06	water pipe 2	1
07	water tap	1
08	water pipe 3	1
09	connector 2	1
10	pupm	1
11	connector 1 for big water pipe	1
12	big water pipe	1

Seat Assembly:



NO.	NAME	QTY
01	seat	1
02	pedal board acrylic	1
03	pedal light board	4
04	pedal chassis	1

SCHEMATIC DIAGRAM