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Instruction manual

Mech Shooter II





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Warn

Please read this manual before using and installing this product. The description of machine setting, adjustment, maintenance and use, and technical points in the book is extremely important. Reading this manual will help you better use the equipment. After reading, be sure to keep the manual properly for later reference!

introduction

Introduction of this product:

To let you quickly and accurately understand the machine, and use the machine correctly and safely, please read this manual carefully. Wish you a good business !

Mech Shooter II is an indoor shooting arcade game which tickets are played as rewards. The game is simple and interesting, can exercise the coordination ability of children, suitable for 4-25 years old players, stable income, suitable for large and small game center.

Features:

- The game type is close to nature, the gameplay is simple and easy to understand. Children are easy to pick up the game;
- Bright color, rich lighting, unique shape, fresh style;
- The control circuit is stable and reliable, after many years of practical use test, the program is stable;

catalogue

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1.Overall size;



2. Specification parameter;

Single size (W*D*H)	1991*1070*2470 (mm)
4 sets connection size (W*D*H)	1991*4450*2470 (mm)
Package size (W*D*H)	
Single weight	
Operating voltage	

Frequency range Single-unit
power
4 sets connection power



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890*1160*1930 (mm)

200Kg

AC

110V/220V

50HZ-60HZ

950W

4000W(air compressor work)

Note: The above technical parameters are subject to change without prior notice.

3. Parts list;

No.	partname	specification number	quantity	unit	Partphoto /drawing	remarks
1	Power cable	1.5m	1	piece		input wire
2	Fuse	ø6-20mm	2	piece		110V/220 15A
3	Instruction manual	A4	1	piece		
4	Key		2	piece		
5	Connecting cable		1	piece		for over 2 sets connection
6	Target panel		1	piece		inside the bottle
7	Micro switch		4	piece		flip motor detection
8	Micro switch		1	piece		pistol trigger
9	A spring		1	piece		pistol trigger
10	Small pad		6	piece		For flip motor detection switch
						
						



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11	Laser top	1	piece	Pistol firing
12	Air compressor fastener	1	piece	

Note: This list is for reference only.



4. Safety precautions;

- ⚠ Safety precautions; Always consult a professional when setting up your machine. Do not set up machines for non-specialists.
 - ⚠ When installing the product, place the four feet evenly on the floor, and ensure that the product is stably installed in a horizontal position.
 - ⚠ This product is for indoor use only.
 - ⚠ Do not put the machine near an emergency exit.
 - ⚠ Protect the game machine from the following:
 1. Rainy or wet places.
 2. Places in direct sunlight.
 3. Places with dangerous flammable items.
 - ⚠ Do not put chemicals or drinks on or near the game console.
 - ⚠ Do not put machine near vents.
 - ⚠ Do not stretch or twist the power cable.
 - ⚠ Do not insert or remove the power box with wet hands.
 - ⚠ It must be used within the specified range voltage requirements .
- Do not place the power cord in an area where people walk through the aisle.
- ⚠ Please read the manual carefully before using and setting the machine.
 - ⚠ Don't move the machine with too much force.
 - ⚠ For proper ventilation, keep the machine 30cm away from the wall.





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Do not change the system or parts in the machine without professional guide. It may cause irreversible damage.

5. Installation,fixing,movingandmaintenance

5-1.Installationprecautions:

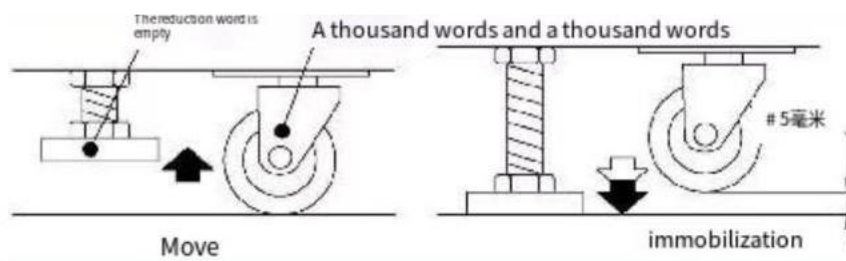
- This machine is suitable for indoor use only. If putting outdoor, please pay attention to waterproof and sun protection to avoid shortening the life of the machine and causing damage.
- The position of the machine must be clean and tidy, and the ground must be smooth.
- At least 50cm space must be reserved for the left and right sides of the machine to avoid unnecessary damage to the appearance of the machine.
- The machine should not be used in the following places:



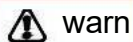
- Near hazardous materials;
- In places with severe vibration;
- Smooth or uneven ground;
- High humidity environment;
- In dusty environments.

5-2.Howmachinefixedormoved:

The machine must be placed on a flat surface. Lay the foot base longer than the sliding wheel. To move the machine, Just twist the foot base higher than the caster, and move machine slowly.



5-3.Machinemovementattention:



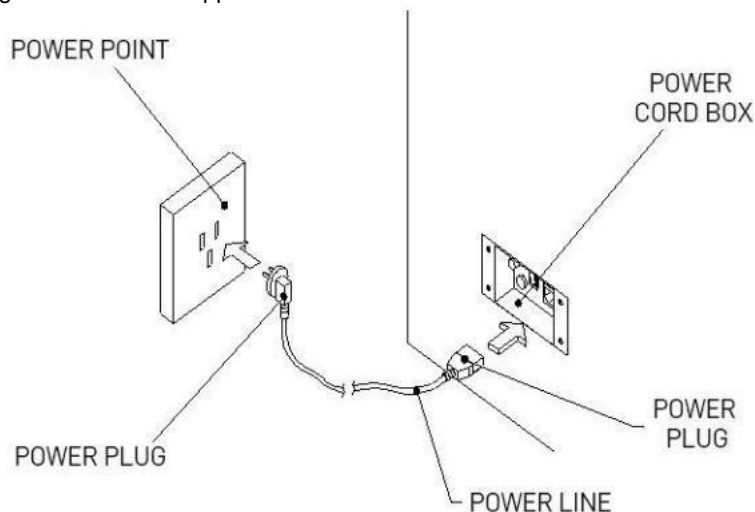
- Before handling, must turn off the power supply, and unplug the power cord. For long-distance car transport, must be covered with soft cushion surface.
- Carelessly movement, flipping, transportation, etc., could damage the equipment.



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5-4. Attention before connecting the power:

1. For the first time machine received, please do not connect power immediately. Check inside if anywhere get wet. After long term of shipment, especially by sea, there're water steam inside. To avoid power box or the board get burned, please leave machine air dry for 2-3days. **Makesuremachine100%drybeforeconnectingpower.**
2. **Checkthepowerboxinsid fuseandmakesureofthefuseisgoodbeforeconnectionpower.**



Attention:

Do not press the power cable by heavy objects. This may damage the power cable and lead to short circuit, which may lead to fire.

- When pulling out the power cord from the socket, please hold the head instead of cable.
- Do not pull out the plug directly with wet hands.
- Do not stretch or twist the power cord, and do not expose the power cord to high temperature objects.
- The power cord cannot be easily kicked or touched.
- Use proper voltage and fuse within required range.



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5-5Mainpowerbox:

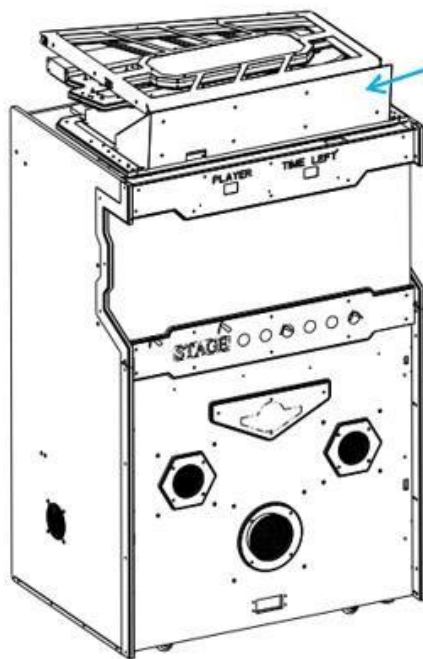
A.AC110V-120V or AC220V-230V.

B.Acfuseisinstalledinthesafetydevice,"220V15A"or"110V15A"diameter:6mm;

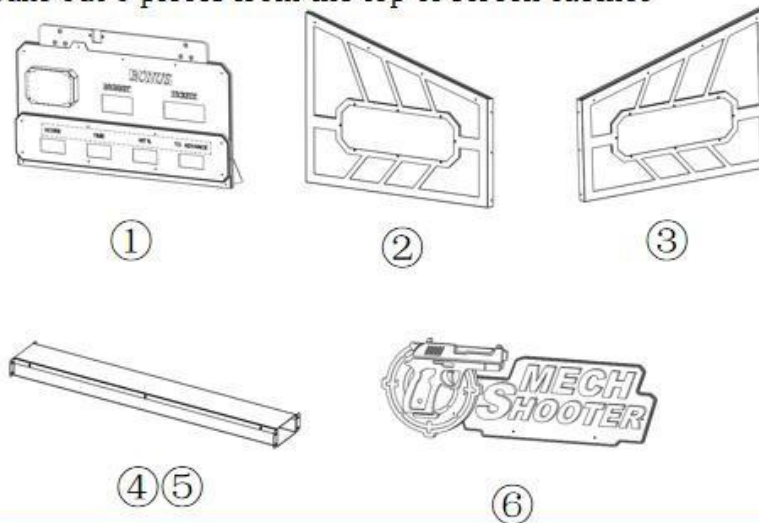
C.Thegroundterminalisconnectedtothededicatedgroundcable,andthegroundresistanceisless than0.5ohms.

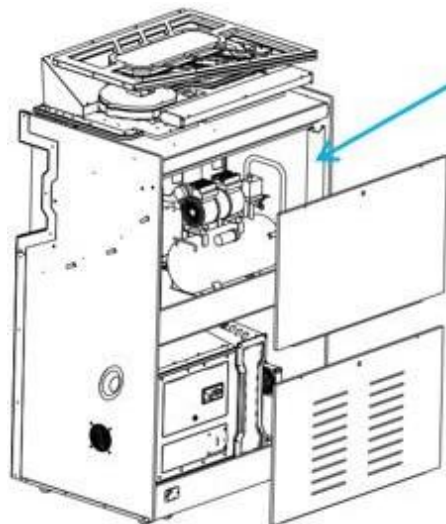
6. Packing and disassembling parts;

- ① Light Box
- ② Left net frame
- ③ Right net frame
- ④ Cable trough of the chassis
- ⑤ Chassis cable trough cover
- ⑥ Pistol light
- ⑦ Air compressor
- ⑧ Control Console

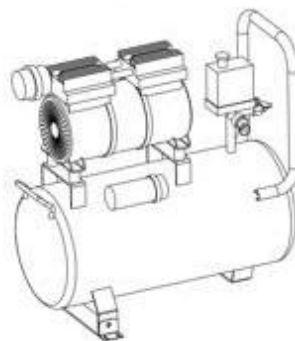


Take out 6 pieces from the top of screen cabinet

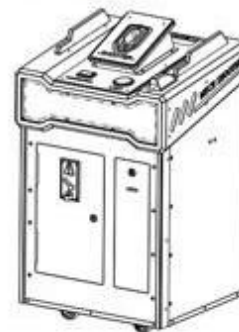




Take out from back side of screen cabinet;



⑦

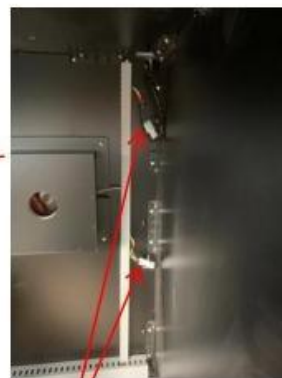
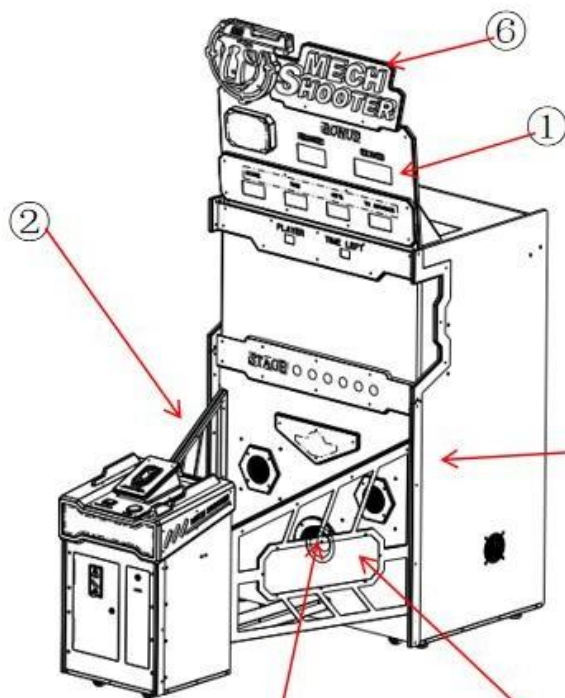


⑧

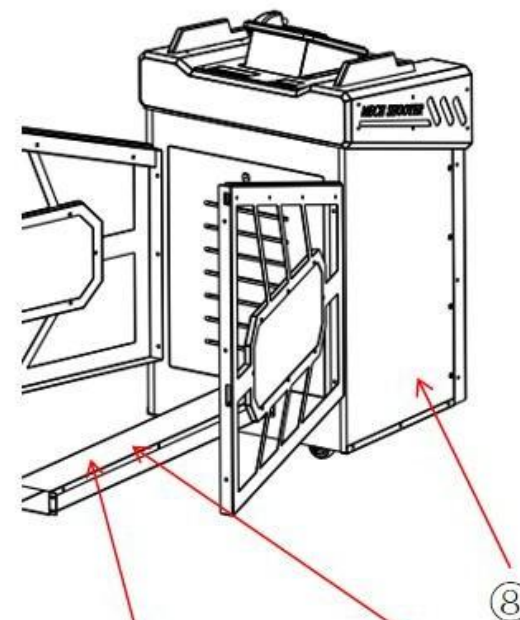
7. Installation instructions;

7-1. Installation is shown in the figure;

1. Connect the chassis through the cable trough to the related screw holes, and screw up with bolts and nuts.
2. Plug in all the cables ports.
3. Insert the air pressure connector.
4. Ensure that all cable plugs and gas pipes are properly connected, and cover the cable trough.



connection from side



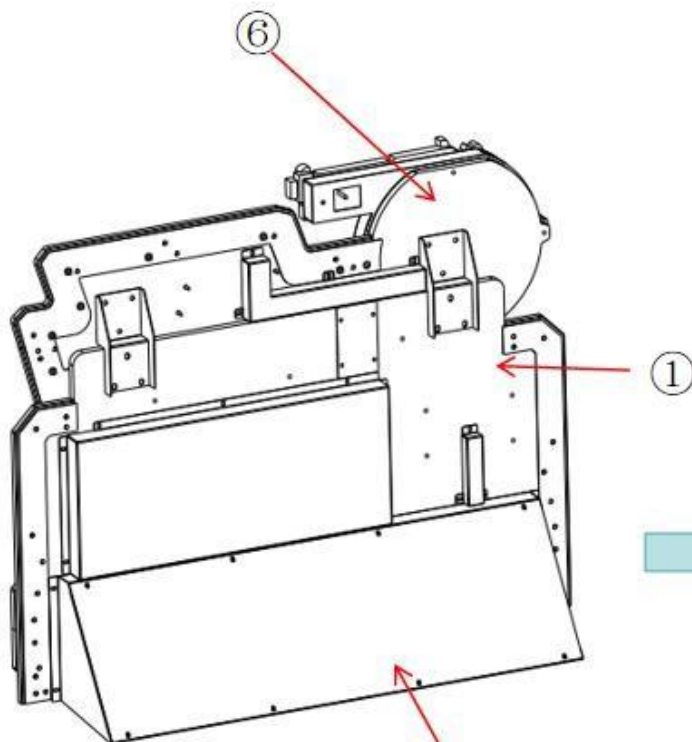
Air pressure tube



Connecti

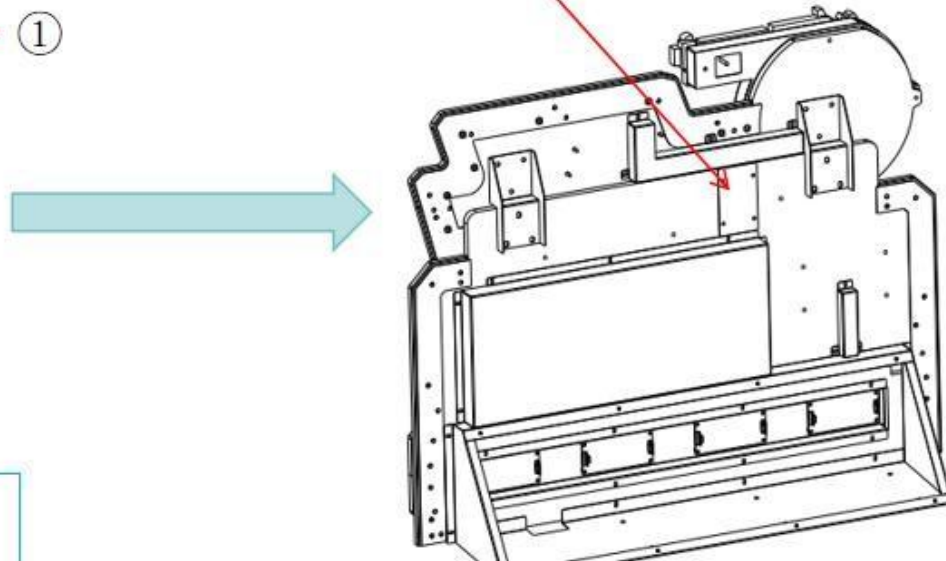
7-2 Installation is shown in the figure;

1. Install the pistol light on the top of the light box.
2. Insert the pistol light cable.
3. Remove the cable cover of the light box.



Pistol light cable plug

Take off the back cover of

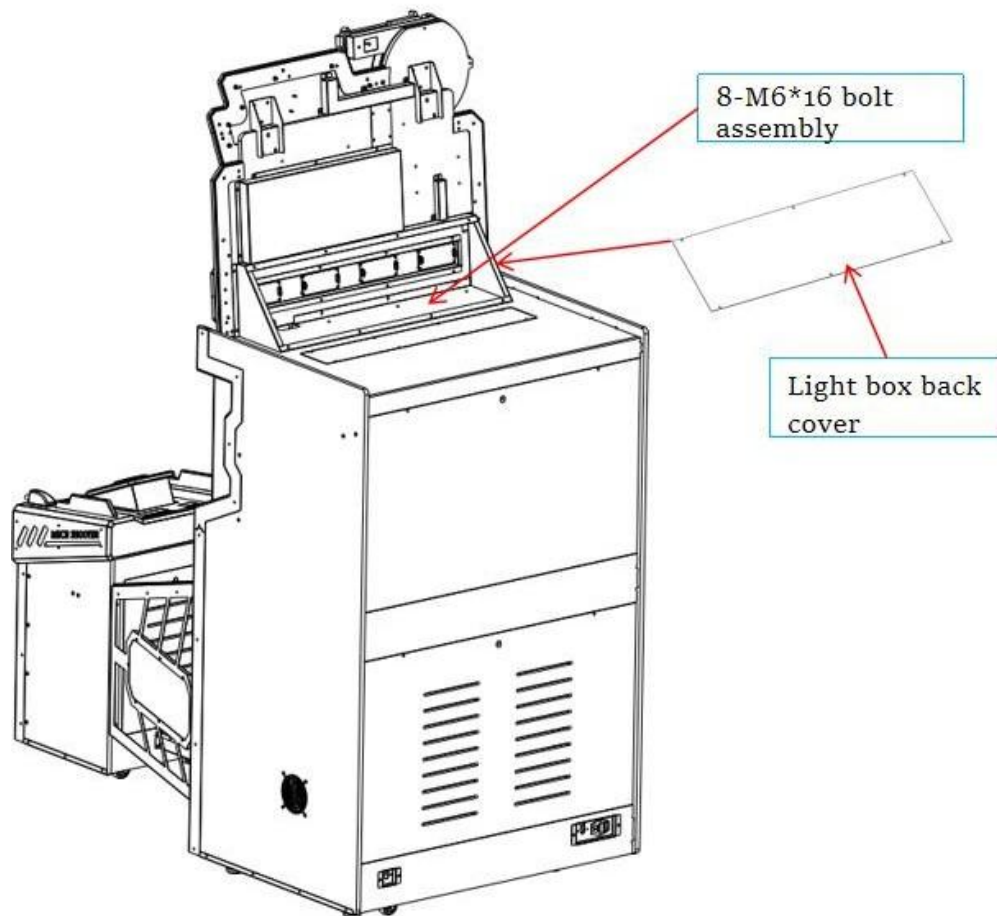




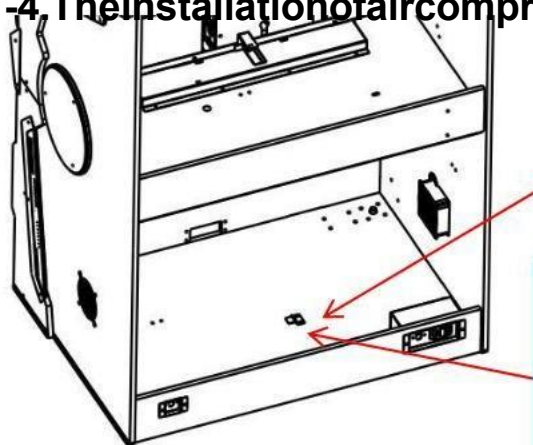
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7-3.Installationisshowninthefigure;

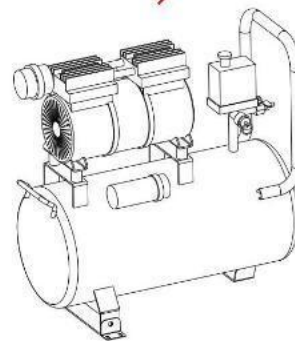
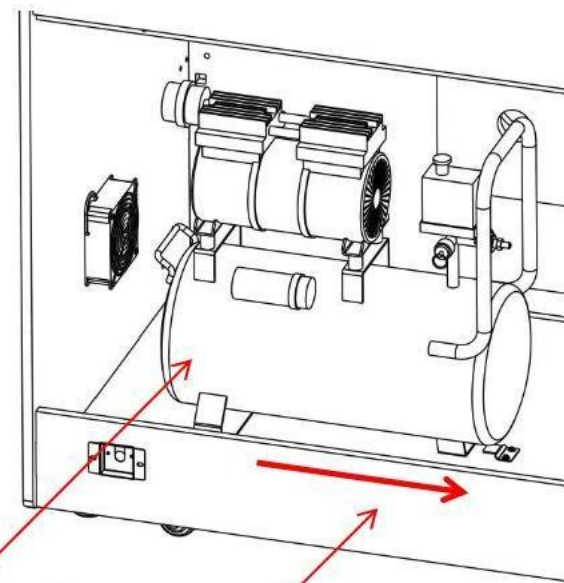
1. Fix the top light box with screws.
2. Plug in the cables.
3. Ensure that the all cables are properly connected and then screw up the back cover of light box.



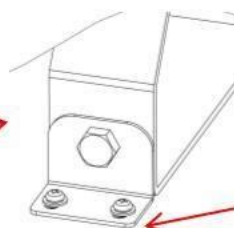
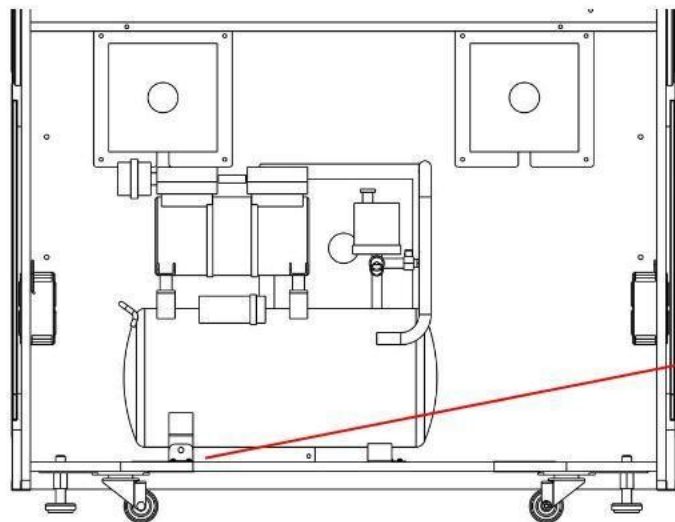
7-4. The installation of air compressor is shown in the figure;



Fix the air compressor fastener on designed place (in the spare parts bag), with M4*16 screws



Put air compressor in proper place.





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Move to the appropriate position and tight up with m4*16 screws



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8. Aircompressorconnectiondescription;

Air compressor output air compressor input

air compressor control valve

air compressor output pipe

discharge
pipe

air compressor
power input

left pressure
reduction

right pressure
increase

UP to open



air pressure open

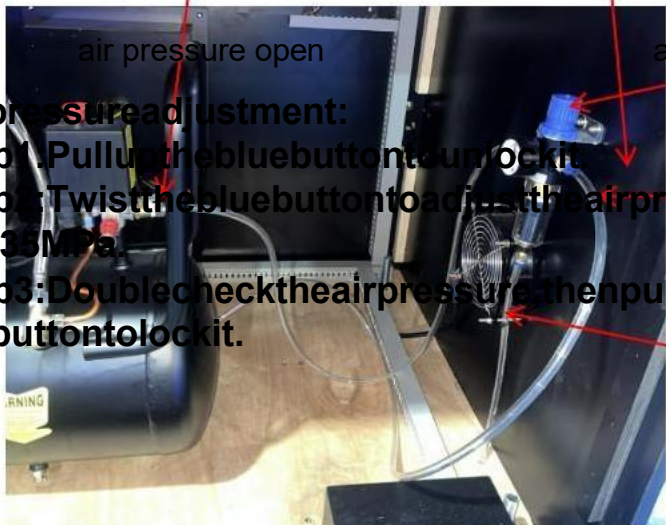
air pressure close

Air pressure adjustment:

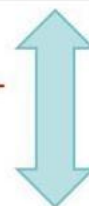
Step1: Pull up the blue button to unlock it.

Step2: Twist the blue button to adjust the air pressure to 0.15MPa.

Step3: Double check the air pressure, then pull down the button to lock it.



lock down



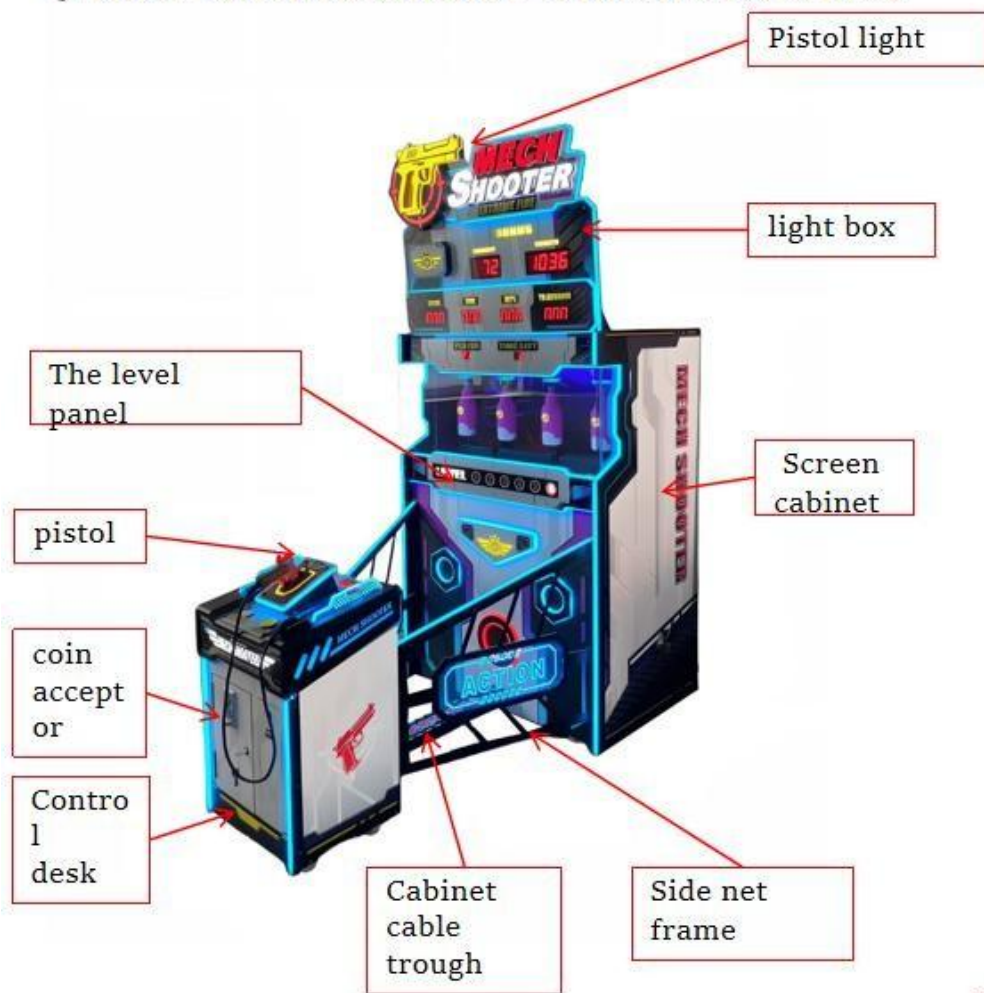


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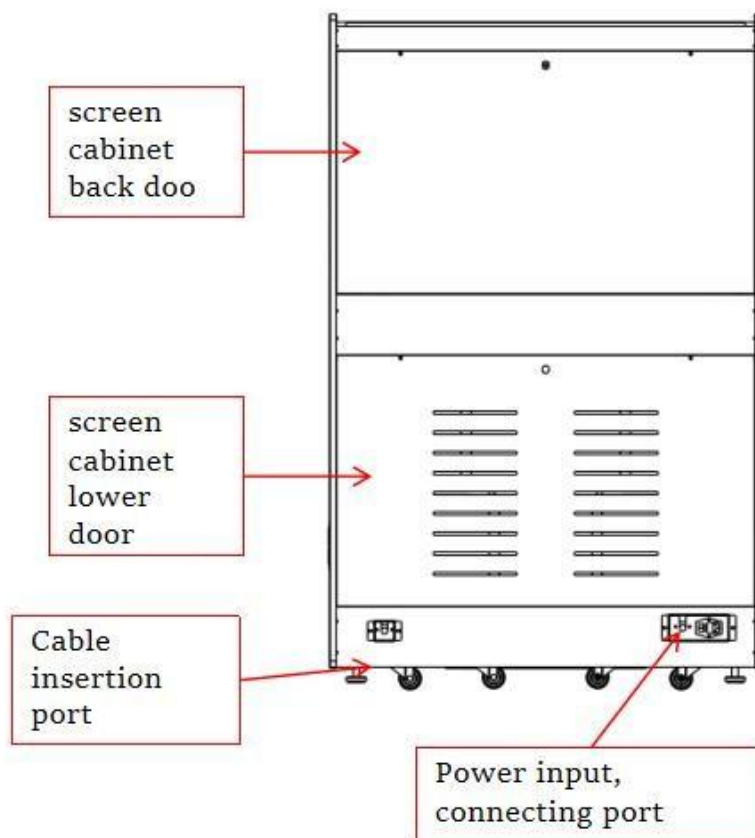
9. This section describes the system components;



9-1.The external structure is illustrated below:



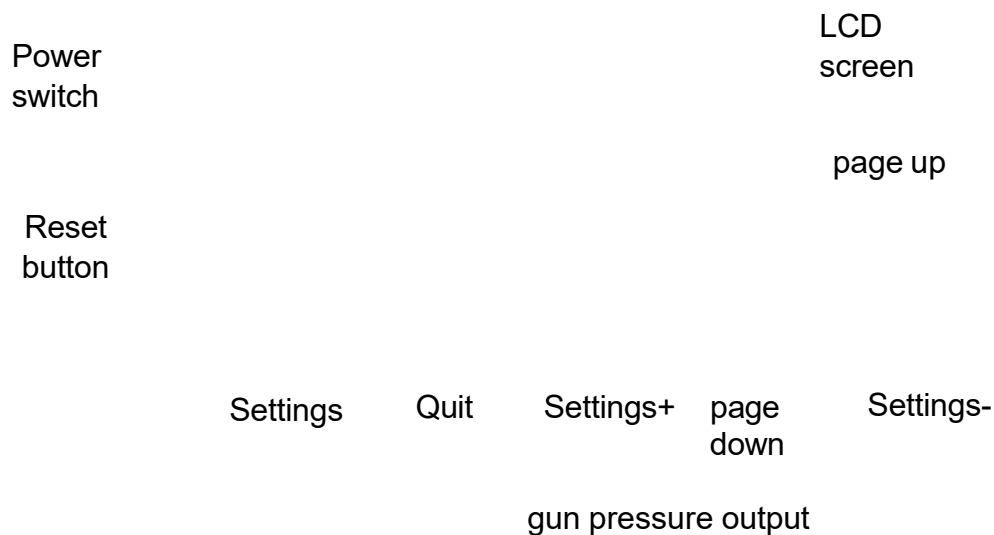
9-2.The external structure is as follows:





10. Description of components in the console box;

10-1. The internal setup frame of the console is shown as follows:



10-2. The internal structure of the console is shown in the following figure:

mainboard

Extension



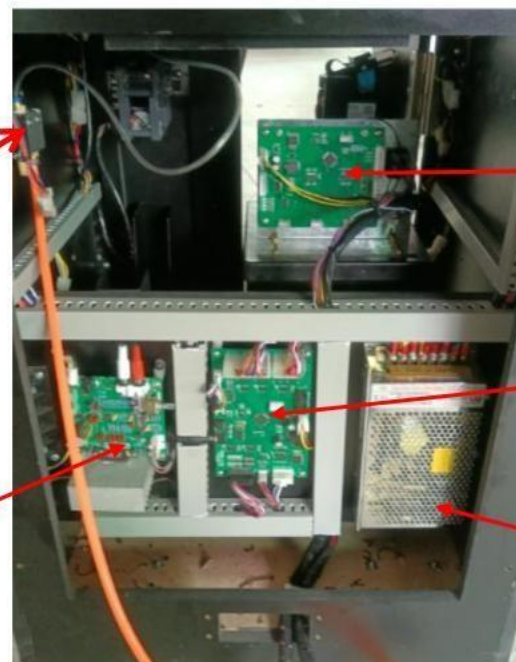
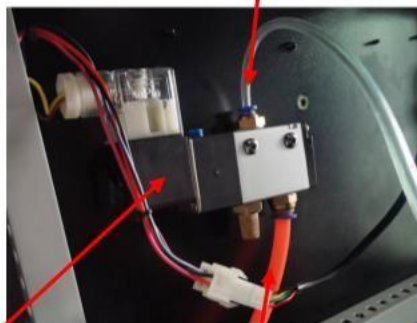
Air pressure
solenoid valve

pressure
input tube

Power
amplifier
board

board

Power box
250w.





11. Description of screen cabinet inside structure;

11-1. Backside view on top

Light strip

light up when target hitten

Moving target mechanism assembly
chain

11-2. Backside view on bottom

The right speaker

Air compressor

The left
speaker
The bass
speaker
Air pressure
regulating valve.
The output
pipe

11-3. right fan

Backside view on bottom

Power box 360W



When maintenance is needed:

air compressor
power socket.

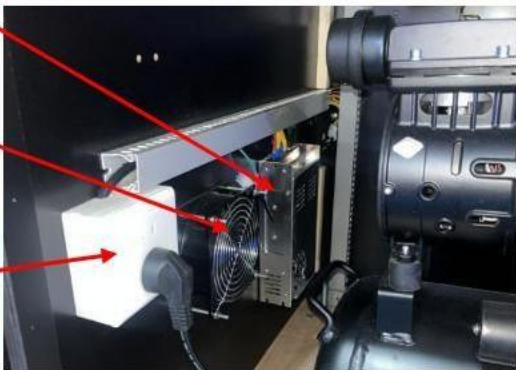
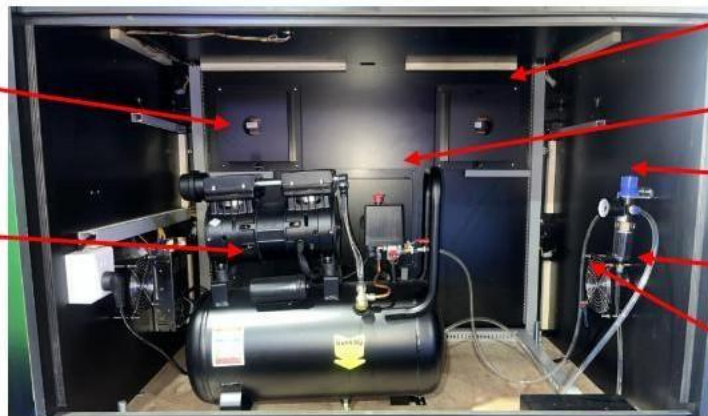


Left exhaust fan

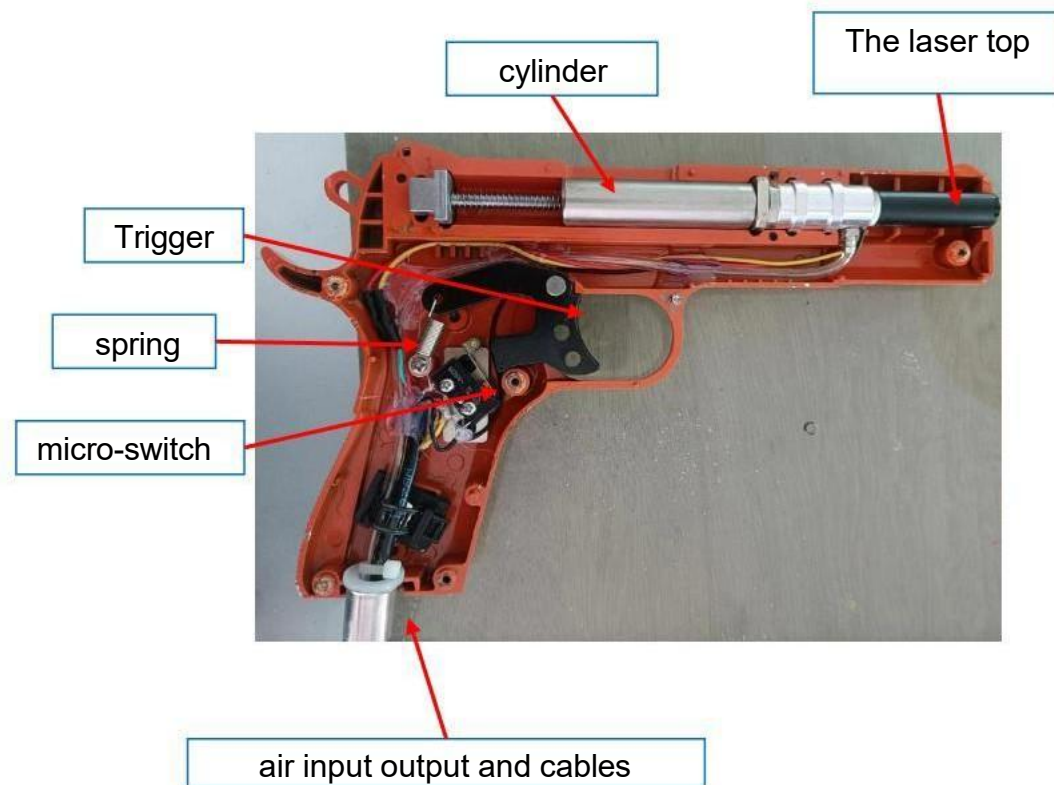
Step1: Open the door by prepared key.

Step2: remove back doors screws by screwdriver.

Step3: Pull out the overall mechanism components for maintenance.



12. Pistolconstruction;





13. Moving target assembly electronic components;

①

Mechanism
top cover

⑧

②

③

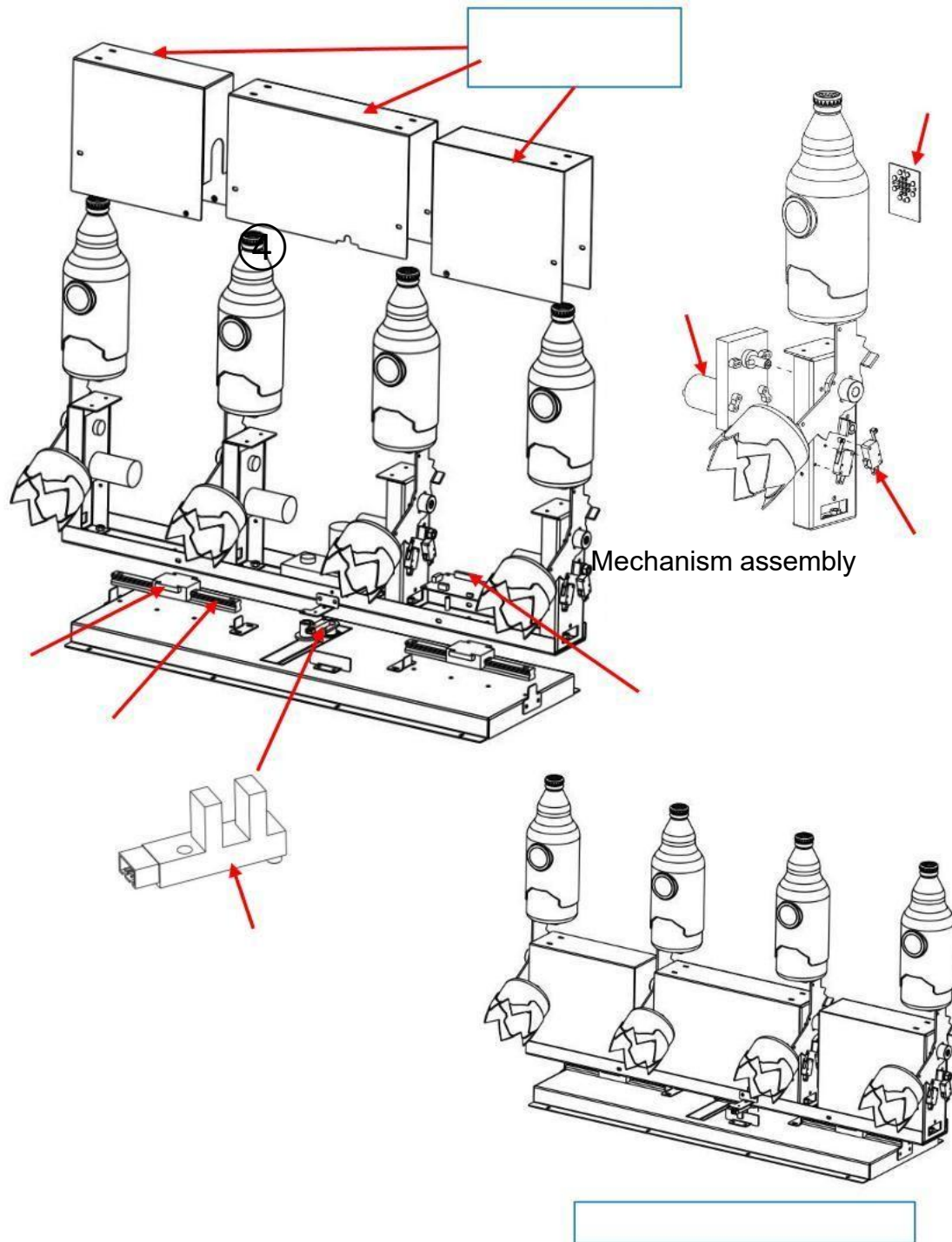
⑦

⑥

- 1 left&right motor
- 2 Turnover motor
- 3 microswitch
- 4 Photoelectric sensor

- 5 Linear track
- 6 Sliding block

- ⑤ DC-24V-20rpm
 DC-24V-100rpm
- 7 Deep groove ball bearing
- 8 laser receiving board
- 9 Driver board
- 15*15*200
 FL15CC
- KI669-DC-5V
- 6002
- 1
 2
 2
 1
 1
 1



14. Functionsettingdescription

Button

Settingbutton:Accessthesubmenu
orfunctionsetting.

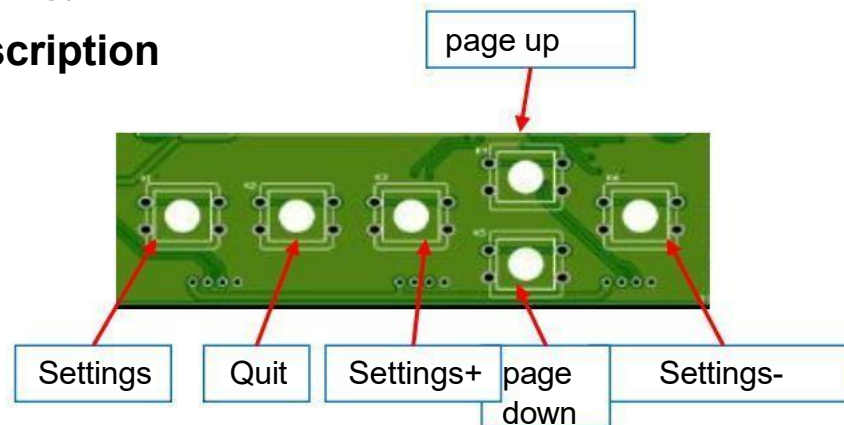
Exitbutton:Exitthecurrentmenu.

Set+:Theparameterincreases.

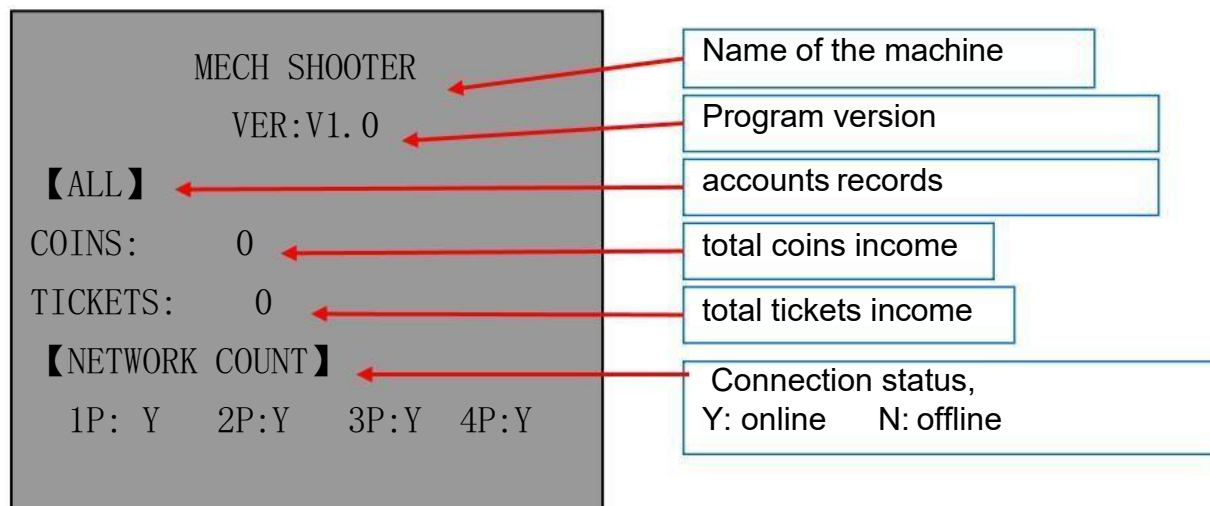
Set-:Parameterdecrement.

Pageup/Volume+

Pagedown/volume-



Standbydisplay:(PressSettings+/Settings-tovieweachplayerindividually)





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The Operation menu contains the following:

1. SETUP MENU
2. GAME DATA
3. TEST MENU
4. CLEAR MENU
5. Factory Set
6. EXIT



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14-1 、 **SETUPMENU**

Setitem	Instructions	Setrange	Default Value	Remarks
COINS/CREDIT:	Coins/credit per game	0~10	2	0:Free model
BONUS INIT	Initial ticket reward	100~2000	1000	
BONUS ADD	JP ticket increase each time	0~10	1	ticket increase for each coin in
BONUS MAX	JP ticket reward maximum	100~5000	5000	
PLAYER NUM	machine connection quantity	1~4	1	as per connected
TICKET EN	Ticket Issue or not	ON/OFF	ON	ON: ticket reward function on OFF:ticket reward function off
TICKETS #1~6	The number of ticket raward VOICE LAN WAIT TIME	for reaching levels 1-6	10 20	All 6 passed, get the JP
	WIN PERCENT		T	nguage
GAME TIME #1~6		game time for each level	i	Continue to play/Linking waiting time
			p	The percentage of winners to losers
			s	
ADV SCORE #1~6		ADV SCORE #1~6		
			l	
DEMO SOUND		Standby music	a	

[illegible]



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14-2 、 GAME DATA

Note: Press the Settings + and - button to view each machine's record.

Query item	Description	Remarks
COINS	Total number of coins	
PLAYS	Total played times	
TICKETS	Total ticket rewards	
Acerage. T	Average tickets per coin	
REC BONUS:	Winning the jackpot records	player completed 6 levels
REC STAGE1:	Level 1 records	The player staying on Level 1 at the end of the game
REC STAGE2:	Level 2 records	The player staying on Level 2 at the end of the game
REC STAGE3:	Level 3 records	The player staying at Level 3 at the end of the game
REC STAGE4:	Level 4 records	The player staying at Level 4 at the end of the game
REC STAGE5:	Level 5 records	The player staying at Level
REC STAGE6:	Level 6 records	



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5 player
stay in
a g at
t level
6 at
t the
h end of
e the
game
e
n
d

o
f

t
h
e

g
a
m
e
T
h
e



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14-3 、 TEST MENU

Note: Press the Setup + and - button to test each machine's hardware.

Test item	Instructions	Remarks			
Display tube	Test all display tubes	jumping from 0 to 9.			
LED&LAMP	Test all lighting components	All lights flash.			
LASER	Laser test	Turn on/off the laser.			
GUN FIRE	Test the gun pressure piston	gun piston move			
COUNTER	Test the counter watch	Move all the counter watches			
COIN	Test the coin acceptor	Open/close the coin acceptor			
TICKET	Test ticket dispenser	one ticket output every five seconds			
TARGETS	Test target component	It can be used as aging			
SOUND	Test machine sound	test audio one by one			
	INPUT		Te	ε	input
			ε	]	signal
			1	]	\$



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1: Coin signal	2: Banknote Machine	3: Ticket dispensor	button	4: repair button	8: (empty)
5: Single Start button	6: PK Start button	feedback 7: Trigger			
		9: (empty)	10: (empty)	11: (empty)	12: (empty)
		13:SW1	14:SW2	15:SW2	16:SW2



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14-4 、 CLEARMENU

Note: Press the Settings + and - button to clear each machine's data.

Clear Item	Description	Remarks
CLEAR CREDIT	Clear the player's unused coins	
CLEAR TICKET	Clear the player's uncounted ticket	
GAME DATA	Clear player's coin, JP and ticket	not include menus

14-5 、 FactorySet

Restore all parameters to factory defaults

14-6 、 Faultcodeandtroubleshooting

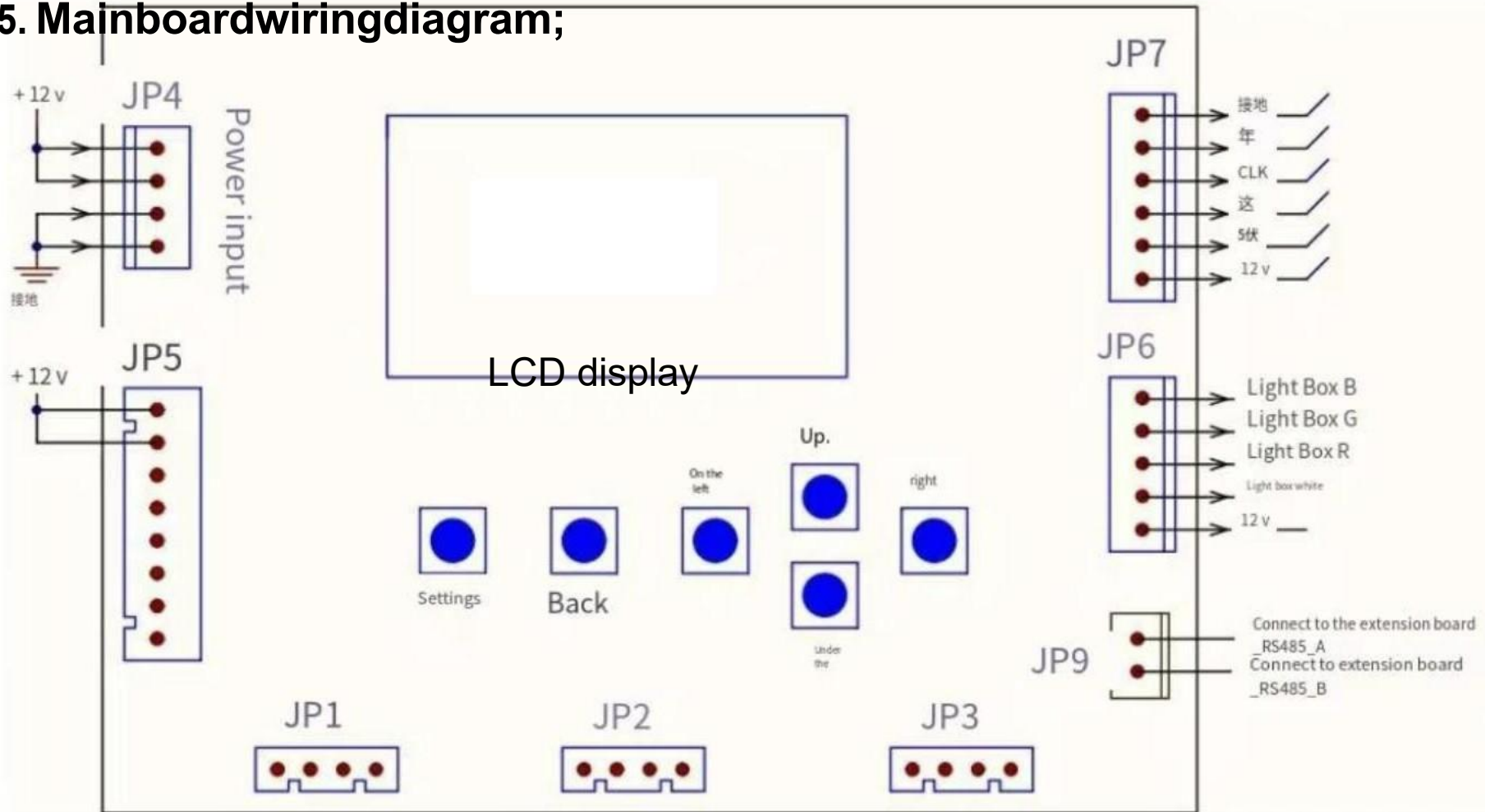
Er01~ER04	Standing plate fault #1~4	1. Check cable connection, replug. 2. Check if any cables damaged. 3. Check if motor burned 4. Check whether the switch is damaged	
Er05	Er07	1. Check if motor or sensor faulty 2. 1. Check cables in door connection, the moving target faulty	
Er06		Extension board and motor connection failed The connection between the extension board and the mainboard is faulty	



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rep	1. check whether the plug is	1. check whether the plug is loose.
lug	loose.	2. Check if any cables damaged.
the	2. Check if any cables	
m	damaged.	1. The paper ticket is running out
HELP	Ticket error	2. Cables in poor connection.
		3. Ticket dispenser faulty.

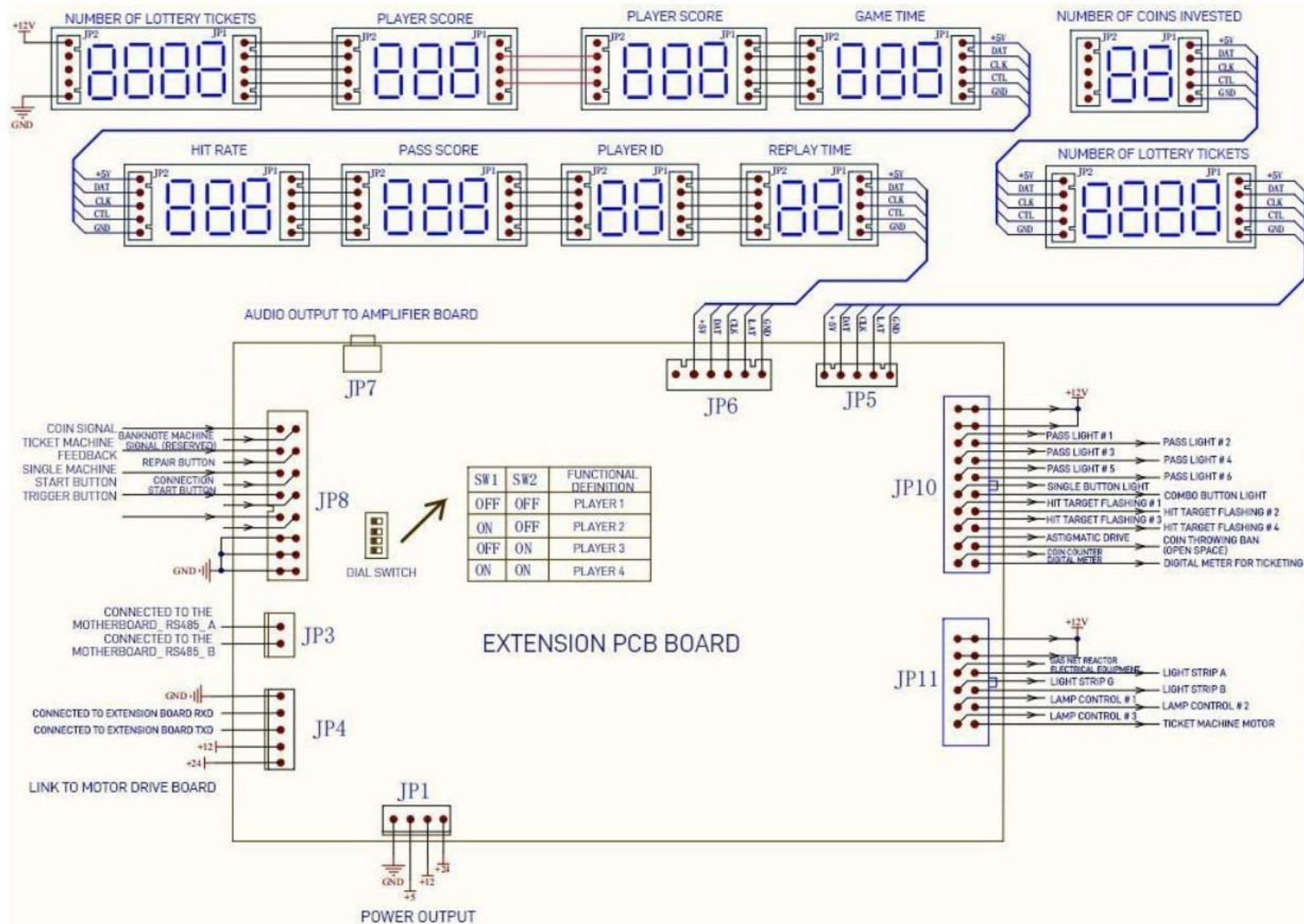
15. Mainboard wiring diagram;

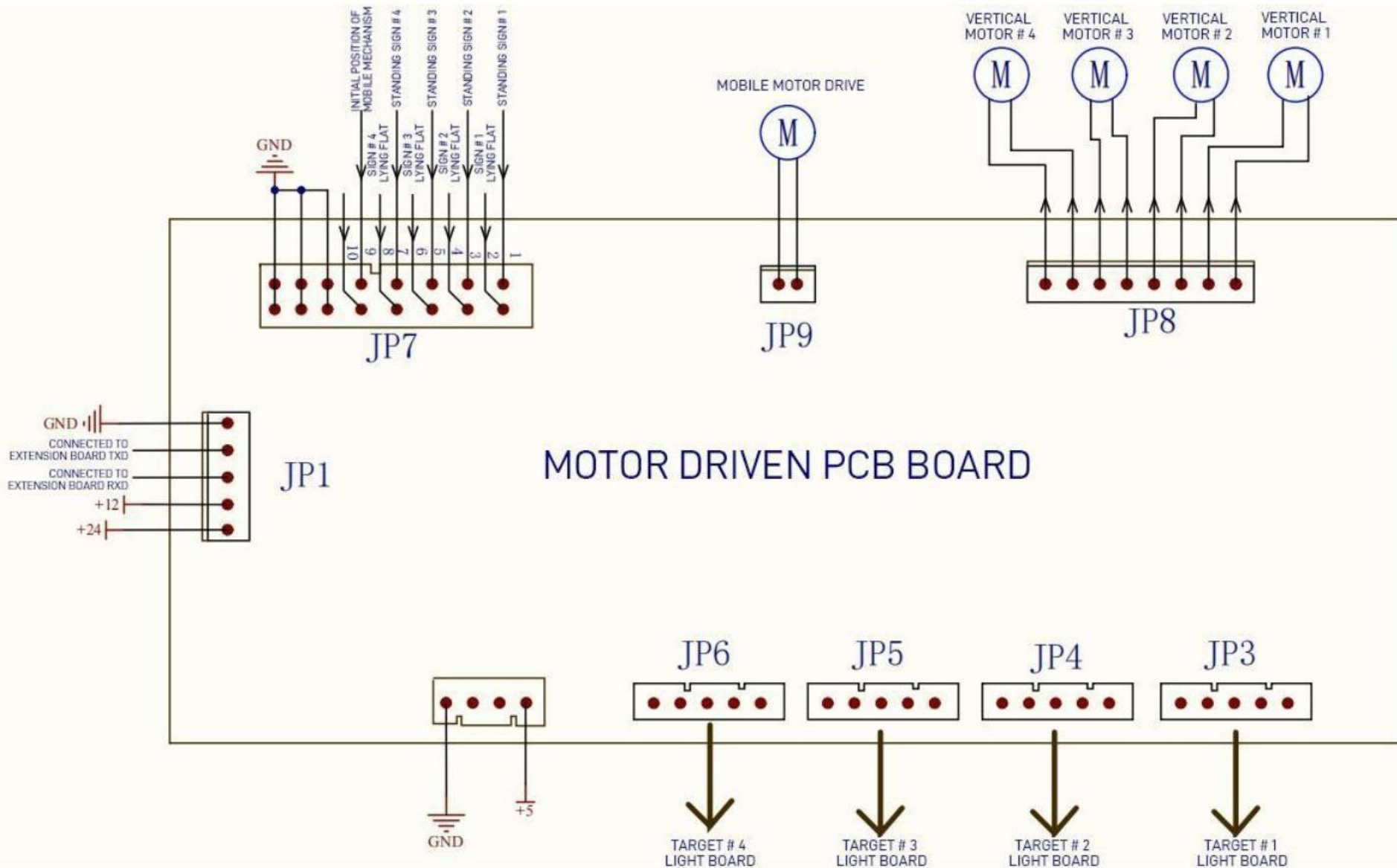




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16. Extensionboardwiringdiagram;



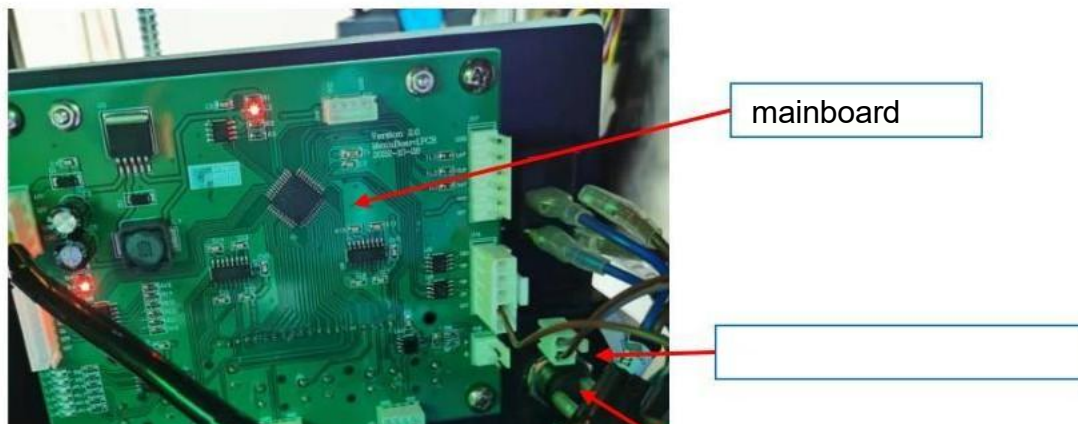


18. Connection instructions

18-1. Plug in the connecting cable as below (spare parts bag in coin box)



18-2. Connections for 2-4 machines competition.



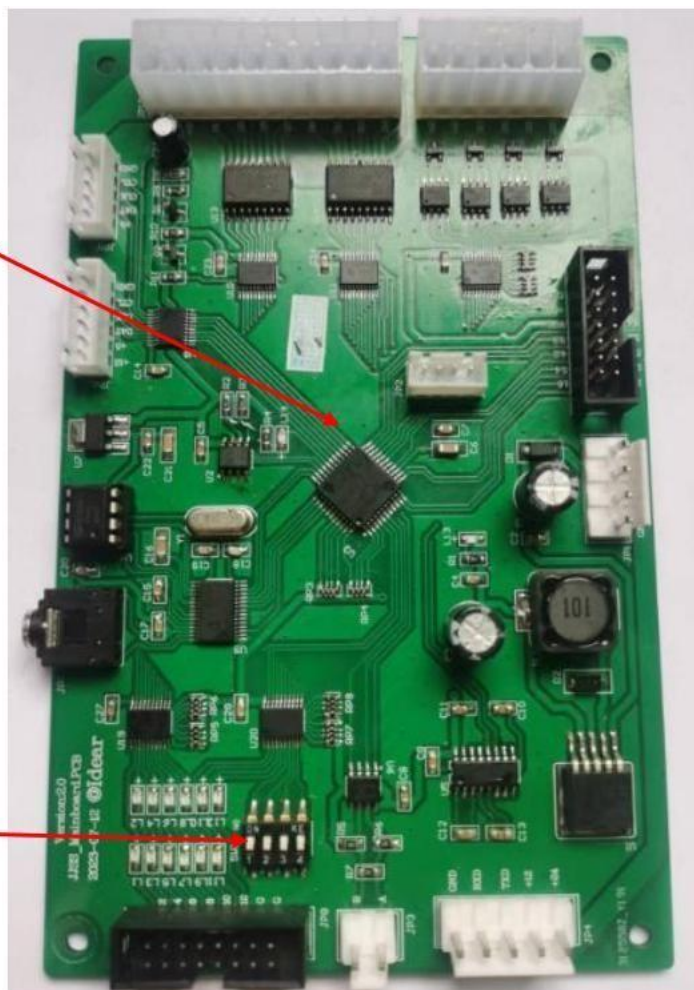


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Extension unplug

Note: Up to 4 machines can be connected, choose one as the master (P1) which no need to unplug, extension P2, P3, P4 need to unplug.

18-3.Set the master and vice model



Extension board

Dip code

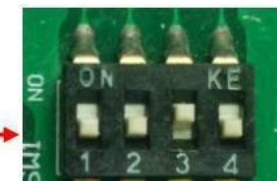
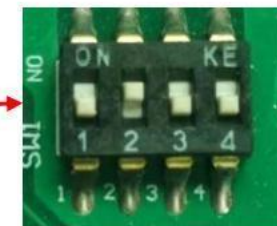
master model
(P1)



vice model
(P2)



vice model
(P3)





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vice model
(P4)

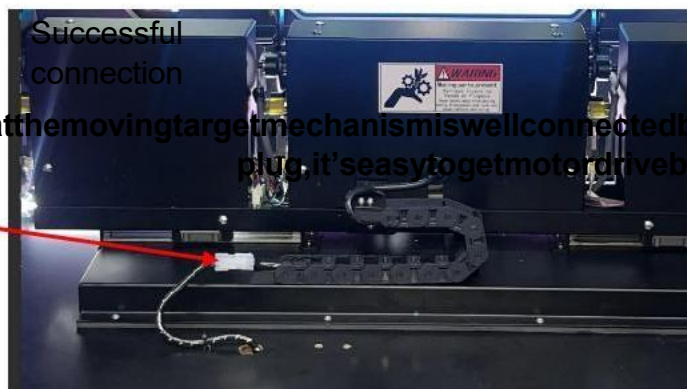
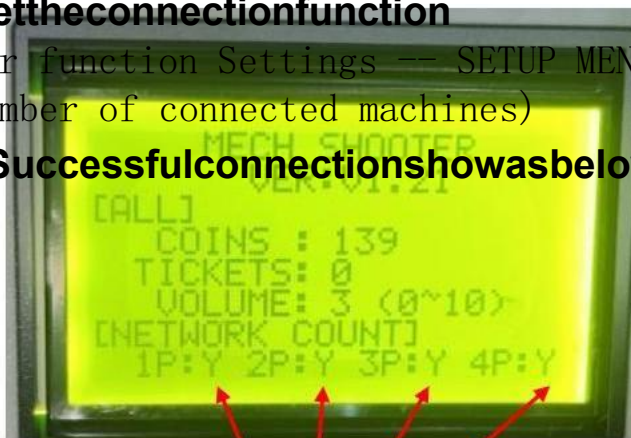


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18-4. Set the connection function

Enter function Settings -- SETUP MENU -- PLAYER NUM -- Set to 4 (number of connected machines)

18-5. Successful connections show as below;



Attention: Ensure that the moving target mechanism is well connected before powered on (If power on before plug, it's easy to get motor drive burnt)





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Make sure
connection is good

turn on power after