In order to prevent the variety of problems which caused by incorrect operation, Please read the manual first before operating this machine and pay attention to the items marked in “note”.

Please keep this manual carefully for checking when needed.

Summary

- ✧ Transportation, installation, safe operation of moving and operating methods and attentions;
- ✧ Installation and operation;
- ✧ Function adjustment;
- ✧ Maintenance;
- ✧ General troubleshooting and solutions;
- ✧ Main components diagram;
- ✧ Circuit connection diagram.

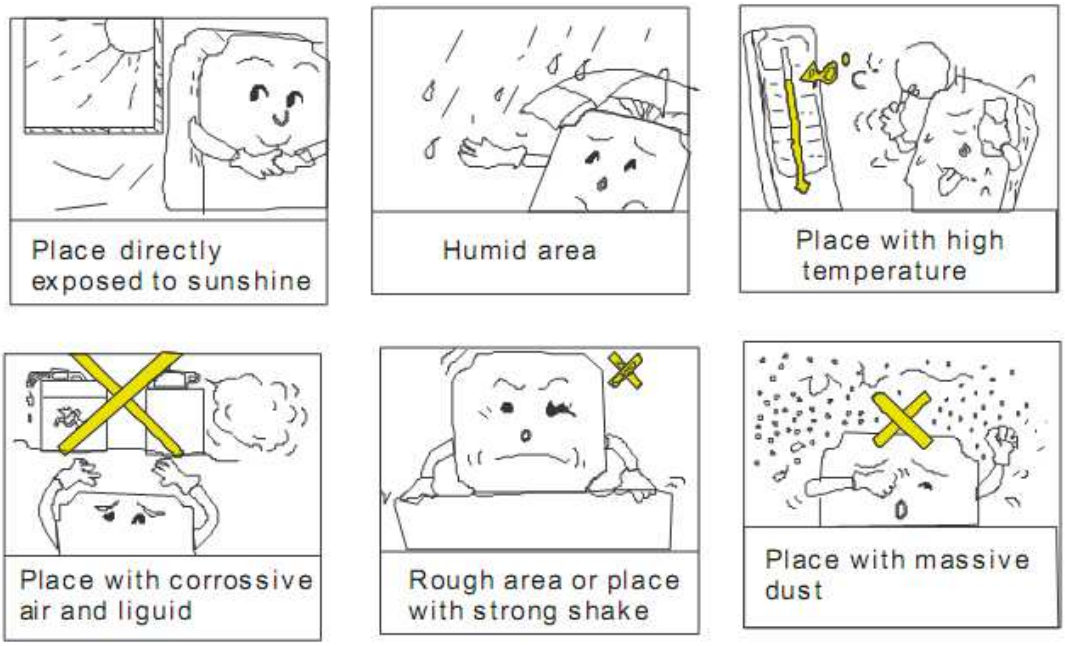
Safety Attentions

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 equipment must be nearby the game.

Installation

The game must be located properly to avoid damages.

Improper Locations:



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. The voltage must be correct; otherwise it would be difficult to repair the damage.
2) The plug must be plugged in tightly and keep the power cords not be too tight and damaged in order to prevent bodily injury, short-circuit and power leakage.
3) To put the machine to normal operating, please properly adjust the coin match and the game settings when use at the first time.
4) Please regularly check all the functions of the game when operate to prevent dysfunction.

Notes of Maintenance

1) Be sure to check and maintenance 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 cloth 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.

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5.3 INPUT POWER……錯誤! 尚未定義書籤。

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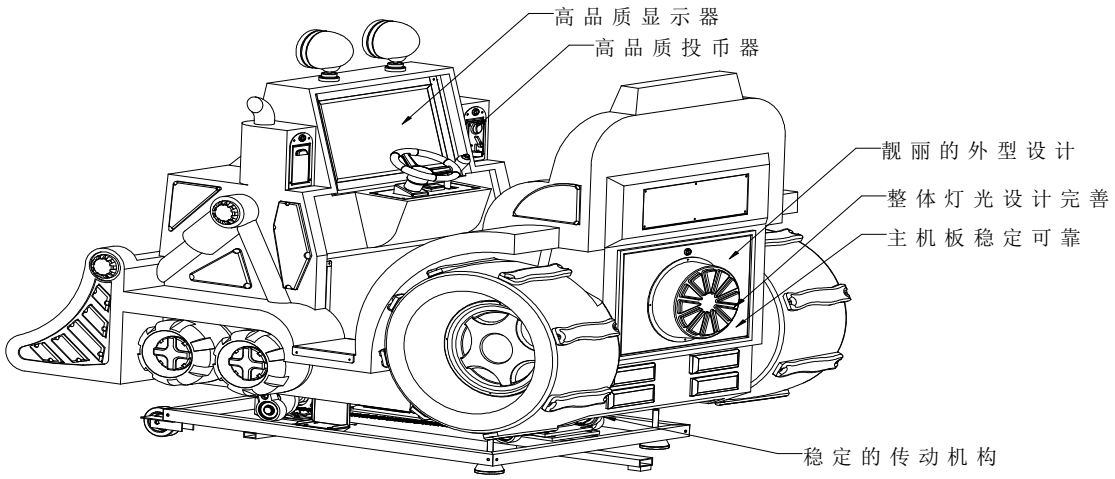
1. GAME INTRODUCTION

Kidde Dozer belongs to the children's swing machine type. Geronimo's Horse with unique, beautiful, comic and simulation car appearance, interesting and exciting game, it is specially designed and developed by our company for the young people. It will be very essential and popular in amusement center.

Kidde Dozer is another swing machine game designed for young children to play,coupled with new and popular games.



Features:

Realistic, colorful, cutety and simulation kidde dozer appearance.

Integrated main board, high-speed processing CPU, stable and reliable working performance.

Use high quality coin, the usage of token with wide diameter range, stable and reliable.

High definition, high-quality LCD display.

Stable and reliable transmission mechanism.

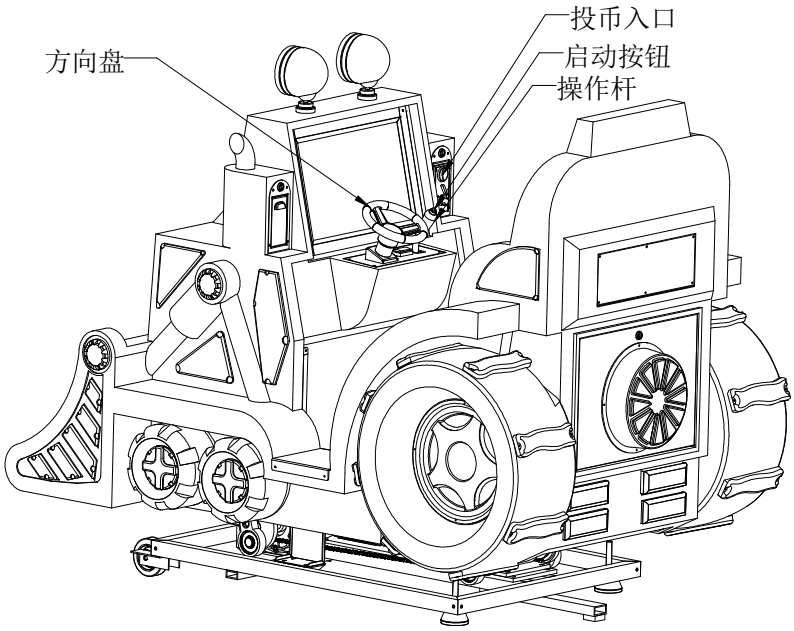
Simple, stimulating, strong operational sense and full of entertaining.

Operating income can be adjusted according to the situation.

2. PLAYING TIPS

Ride on the kidde dozer, press the start button to start the game. After that, the kidde dozer will move up and down, forward and backward, turn around the steering wheel to control the direction of the kidde dozer , press start button to move the truck beside the fruit,then the fruit will be loaded on kidde dozer.

The more fruit loading in the game time, the more you score.



3. TECHNICAL PARAMETER

VOLTAGE: AC220V/110V（50/60HZ）

MAX. CURRENT：1.8A/3.6A

(Note: please refer to the nameplate located on the back of the games to check actual usage of voltage.)

MAX. POWER: 400W

STANDBY POWER:234W

COIN SIZE：Φ21mm ~ Φ31mm (diameter)

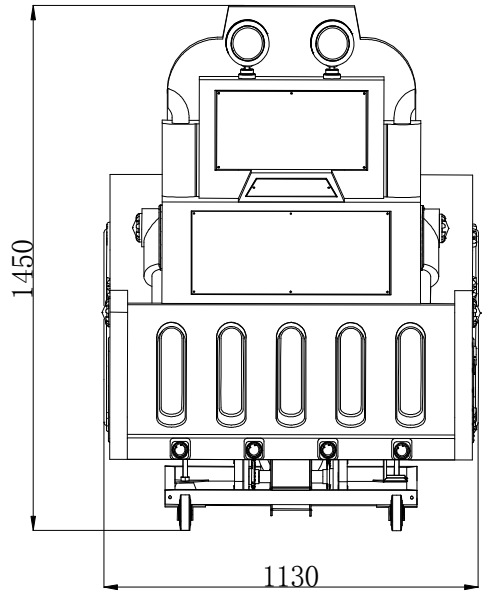
1.2mm ~ 2.5mm (thickness)

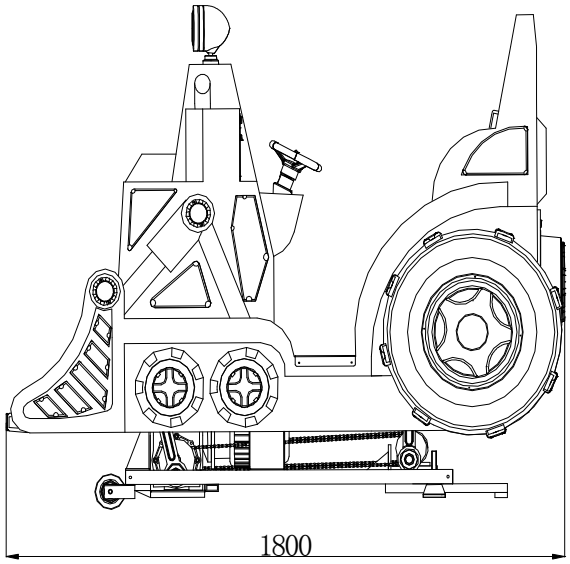
CAPACITY OF COIN BOX: 2600pcs of coins with coin

size Φ25mm*1.5mm

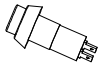
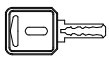
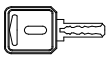
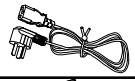
LOCATION REQUIRED: -5 ~ 40℃, humidity is less than 90%. No contact with any corrosive liquid, no any greasiness and dirt.

DIMENSIONS: L1800mm*W1130mm*H1450mm



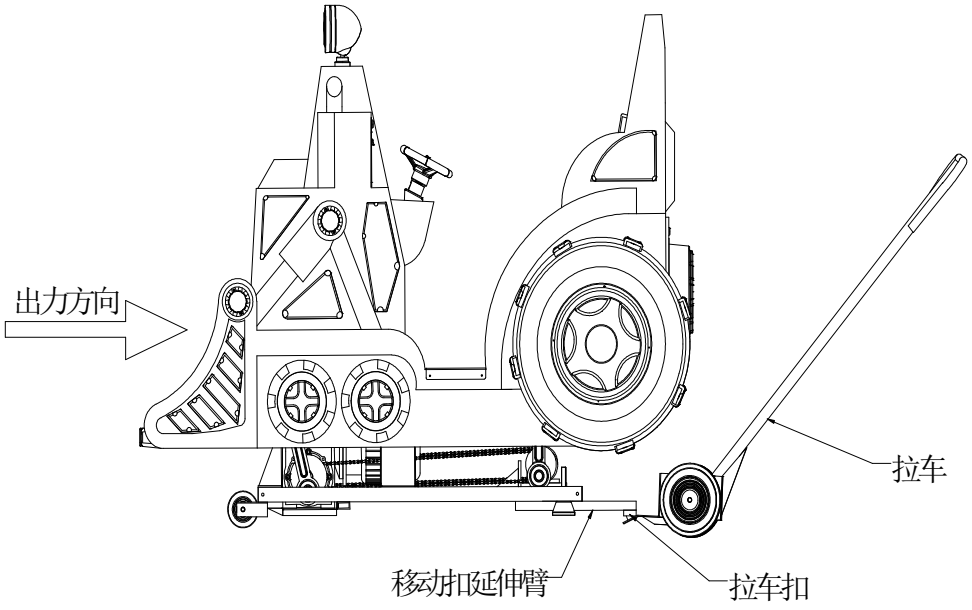


Parts shipped with the game:

序号	图样	名称	规格/型号	数量
1		螺口LED灯	12V　4珠(红、蓝)	各2个
2		螺口LED灯	12V　7珠（七彩）	5个
3		LED指示灯（绿）		1个
4		波子按钮		2个
5		长片小微动开关		2个
6		锁匙	1285＃	2把
7		锁匙	1396＃	2把
8		电源线		1条
9		说明书	本书	1本

3. MOVEMENT

MOVEMENT:



Direction of movement diagram:

Note: when the road surface is uneven during moving or when you tilt the machine, please pay attention to the strength to prevent damage to any parts.

WARNING

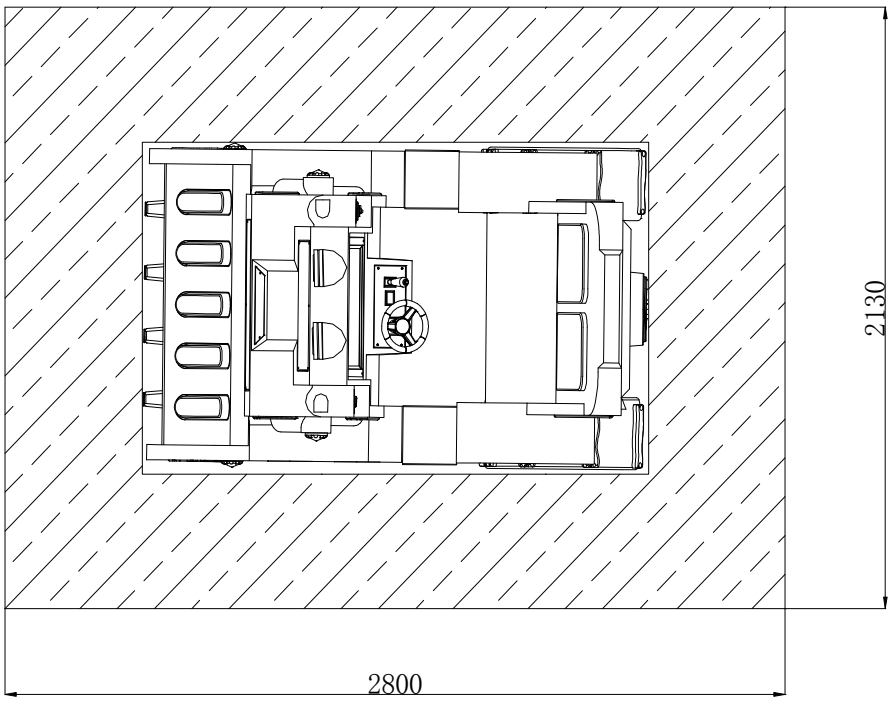
- Please power off the game first and pull out the cord, then move the game.
- Please do not carefully move, turnover, transport the game; otherwise it will destroy the game.
- Prevent hitting, rubbing the games when move the games, otherwise it will damage the appearance of the game.

5. INSTALLATION

Please follow the direction below to install the game.

5.1 CHOOSE THE LOCATION FOR INSTALLATION

1) Put the Kidde Dozer in the same type of Kiddie Ride with monitor then select the concrete placement machine according to the machine's exterior.
2) Keep the following size of the location put machine, so that the machine can have enough space to run normally, ensure that customers can be comfortable to play.



NOTE: It must be placed on the flat floor to make the machine on the ground steadily.

5.2 CHECK AND SET BEFORE CONNECTING THE POWER

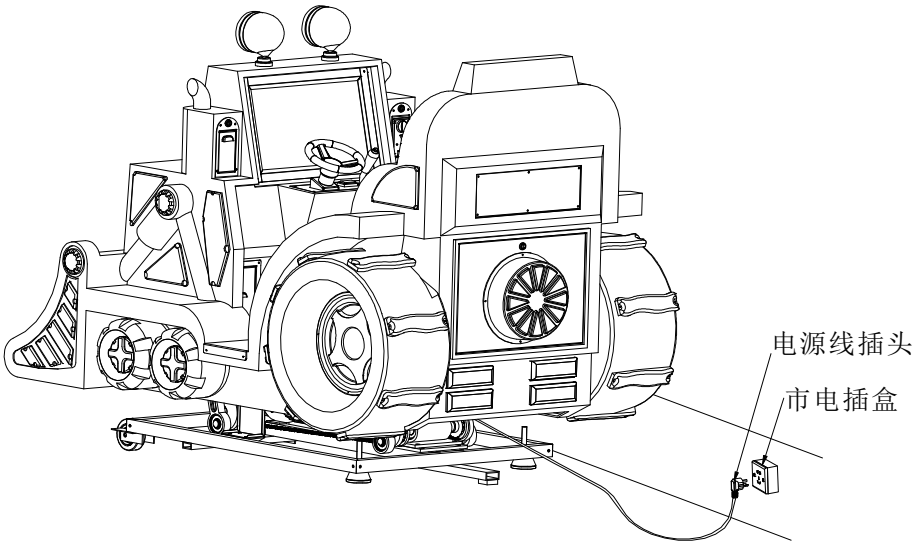
1) Please check whether the parts of cabinet are loose caused by moving, and the wire terminal should not drop out from the port.

2) Check whether the GND is connected.

3) Please check whether the resistance of power input at the both ends for GND is more than 100 megohm.

4) Connect the wires.

Power connection schematic diagram:



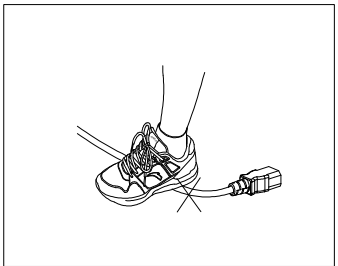
Connection methods:

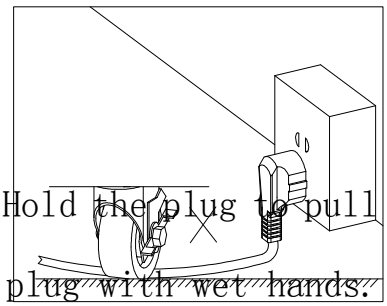
Step 1: make sure the brand marked voltage is the same as the mains voltage.

Step 2: insert the power cord socket into the power supply, the other insert the mains plug to the box.

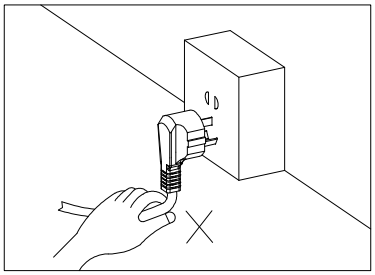
Attention:

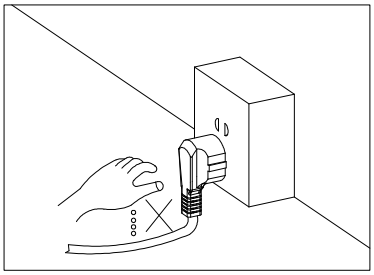
A Please make sure the power cord is not pressed by wheel, foundation, etc. Otherwise, it will damage the wire to cause short circuit, even fire. Do not use strong power to extend and wring the wires. Do not make the wire be near to the high temperature object. Properly put the wire to avoid any kicking or treading.





B Hold the plug to pull it out from the socket. Do not touch the plug with wet hands.





WARNING

Be sure to check the power input to the impedance of the ground before input the power, check if the connection mode of the power suuply is correct,can only input the power supply to the machine when it is in normal.

5.3 INPUT THE POWER

1) Make sure the input voltage is same as the one stated on name plate on the back door of the game.
2) After connecting the power, please switch on the game.
3) Inserting coin to check if the coin machine cans work properly.

4) Visually check the game and confirm the display and light can work properly.

5) Enter into the setting program and set the game settings (include coin, game time, game levels, etc.)

6) Insert coin to play the game, confirm the operation of the direction and the machine movement is normal.

7) Check the sound if it is ok.

6. CHECK BEFORE OPERATION

Check the game before operation to prevent the game from working improperly when operated.

Checking item:

1) Check if the cord is securely plugged in and without defects.

2) Check the location of game.

3) Check if the game case is without defects or burrs.

4) Check if the game without dirt and properly stuck on with marks.

5) Check if the game is fixed firmly.

7. DAILY OPERATION

7.1 INPUT POWER TO OPERATE

1) Turn on the machine power switch.
2) Visually check the game and confirm the display can work properly.
3) Check the sound if it is ok.
4) confirm the coin mech , operation of the direction and the machine movement is normal

Warning: Before operation, please confirm all the items above are ok.

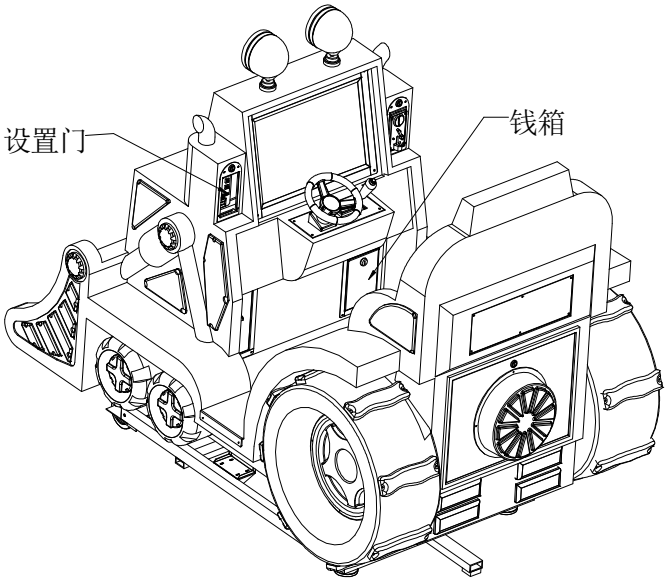
7.2 CHECK AFTER OPERATION

1) Check the display of the game and confirm it is proper.
2) Double check the coin mech, operation of the direction and the machine movement is normal; If it has any problems, please solve the problem as soon as possible.

7.3 COLLECT COINS AND KEEP RECORD

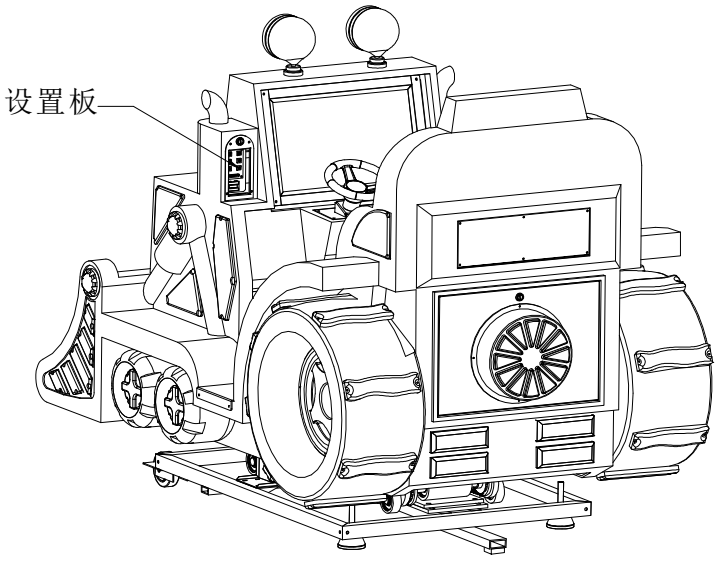
1) Switch off the power and open the door of the coin box to take out the coins
2) Open the door of the coin mech to keep a record of the

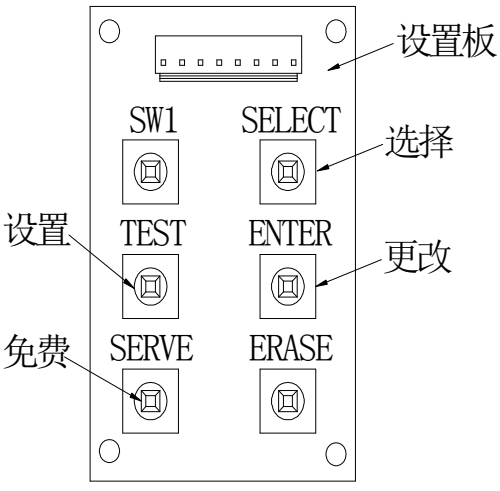
coins’ quantity.



8. GAME SETTING

8.1 KEYS FOR SETTING





TEST: Enter into the setting menu or skip to the next menu.

SELECT: Select the items that you need to change

ENTER: Change the setting.

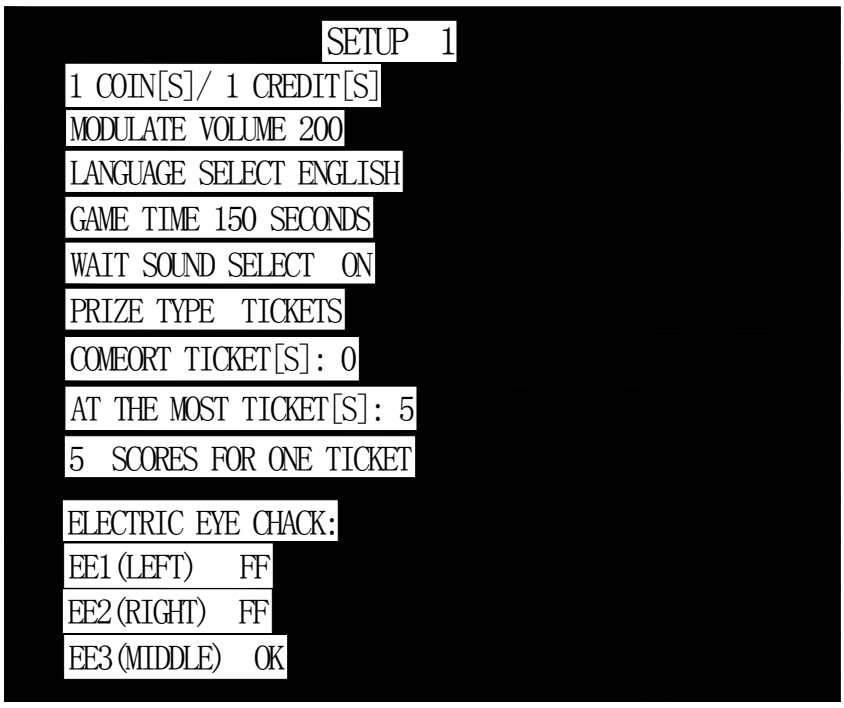
SERVE: Free to play.

8.2 SETTING METHOD

Setting method: press “TEST” to enter into the game setting menu → press the “SELECT” to choose the setting item →press “ENTER” to change the setting.

8.3 SETTING DESCRIPTION

1) Language setting interface:



DESCRIPTION:

No. of coin per play: This setting decides how many coins for each play. If it sets for 1 coin, then you need to insert 1 coin to start the game.

Sound volume choice: This setting decides the size of the volume is. If it sets “200”.The output volume is for loud volume. The bigger of the setting value, the louder the volume is.

Language choice: This setting decides the screen shows Chinese or English. If it sets “Chinese”, then the screen shows Chinese.

Game time: This setting decides the length of game time. If it sets “60”,then it has only 60 seconds per play.

Demonstrate sound choice: This setting decides if there is a sound output when the machine is under a state of the game demo.

Bonus type: This setting decides if the game output the ticket.

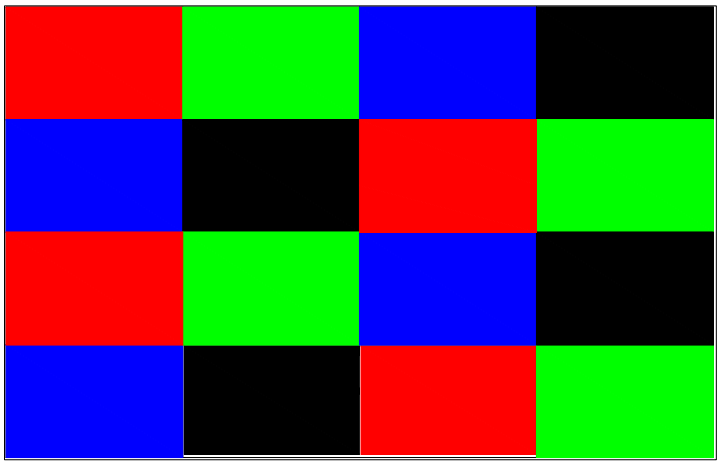
Consolation prize vote: This setting decides under under a state of the game without scoring ,the machine output how much the minimum of the tickets.

The maximum of the votes: This setting decides the machine output how much the maximum of the ticket per play. If it sets “5”, So no matter the game gets how many points, the machine

output up to 5 tickets.

How many points can get one ticket: This setting decides the out of way of the game. If it sets “5 points can get a ticket”, then the game get 5 points can get one ticket.

2) Display screen testing interface:

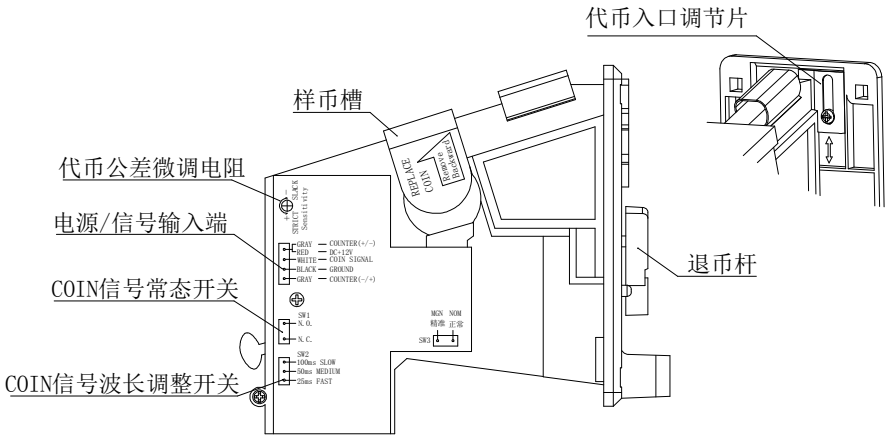


Display screen testing:

This picture is for testing that if the monitor display status is normal.When there is no white color shows, display can be failure.

9. ADJUSTMENT

9.1 ADJUT THE COIN MECH



Descriptions:

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, which prevent blocking the coin mech as inserting the large coin in by mistake.

3): Turn the COIN Switch to “NO” (COIN Signal wire and GND should be disconnected at usual time). Turning switch can

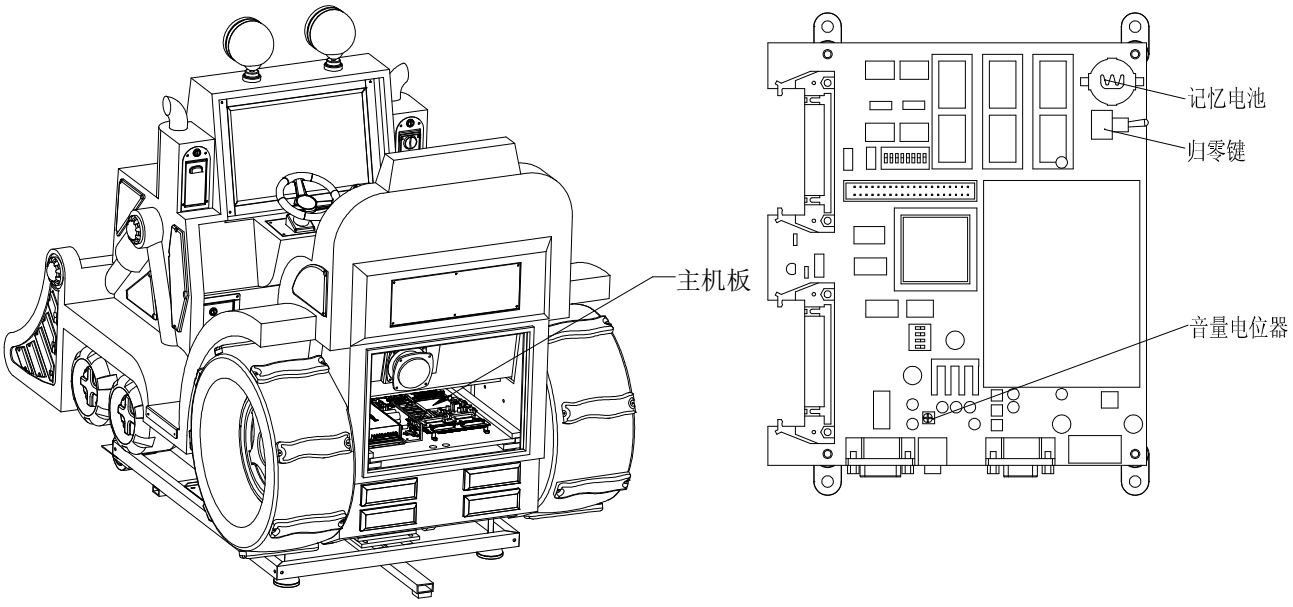
be used as the coin mech switch when the game is power on.

4): Adjust the adjusting switch of COIN Signal wave length to 50MS.

5): Adjust the micro-adjusting resistance of token tolerance. Clockwise: increasing the sensitivity of token tolerance, that is, the range of accepting the token tolerance will be larger. Counter clockwise: decrease the sensitivity, that is, the range will be smaller and choose the token more strictly.

9.2 MAIN BOARD ADJUSTMENT

Diagram of main board:



Descriptions:

Annulling Button: pressing this button can set the Game Setting to default and clear the data of Coin and Ticket saved in PCB.

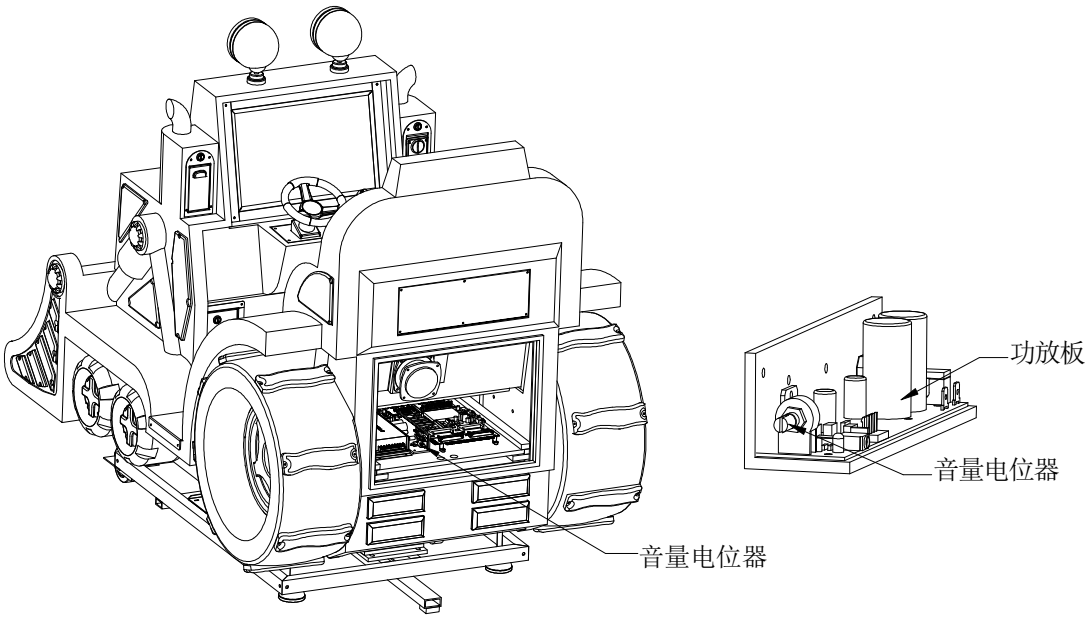
Volume Adjustment: Use a flat screwdriver to twist the volume potentiometer to adjust the volume level of the machine. Turning clockwise will increase the volume; counterclockwise will decrease the volume.

! warning
The battery can save the data of game settings and coin number when the power off. Please replace the battery when the machine can not save the game setting.

Volume Adjustment 2

DESCRIPTION:

1)Open the back door of the chassis, find the volume of the amplifier board potentiometer.



2) Turn the volume potentiometer to adjust the size of the volume. Turn clockwise while the volume become bigger, anticlockwise when the volume smaller.

10. CHECK AND MAINTAIN

! warning
Please check and maintain the game by technicians. Please power off the game when check and maintain. Please do not put any tools into cabinet, otherwise it will cause problem. After checking, please tightly screw the screws and close the door.

10.1 Daily Check

ITEM	DESCRIPTION
Coin mech	Check whether the coin mech can work proper.
Balanced approach switch	Check whether the balance approach switch switch properly or not
Light	Check whether the machine lights twinkle normally

Display	Check if the displayed colors are proper.
Sound	Check whether the sound and the volume are ok.
Motor	Check the swing motor is normal operation
Temperature、humidity	Check if the temperature and humidity is proper.

10.2 Daily Maintenance

ITEM	DESCRIPTION
Chassis Frames	Clean the chassis with water and soft paper.
PCB	Sweep the dust and dirty in the board with small brush.

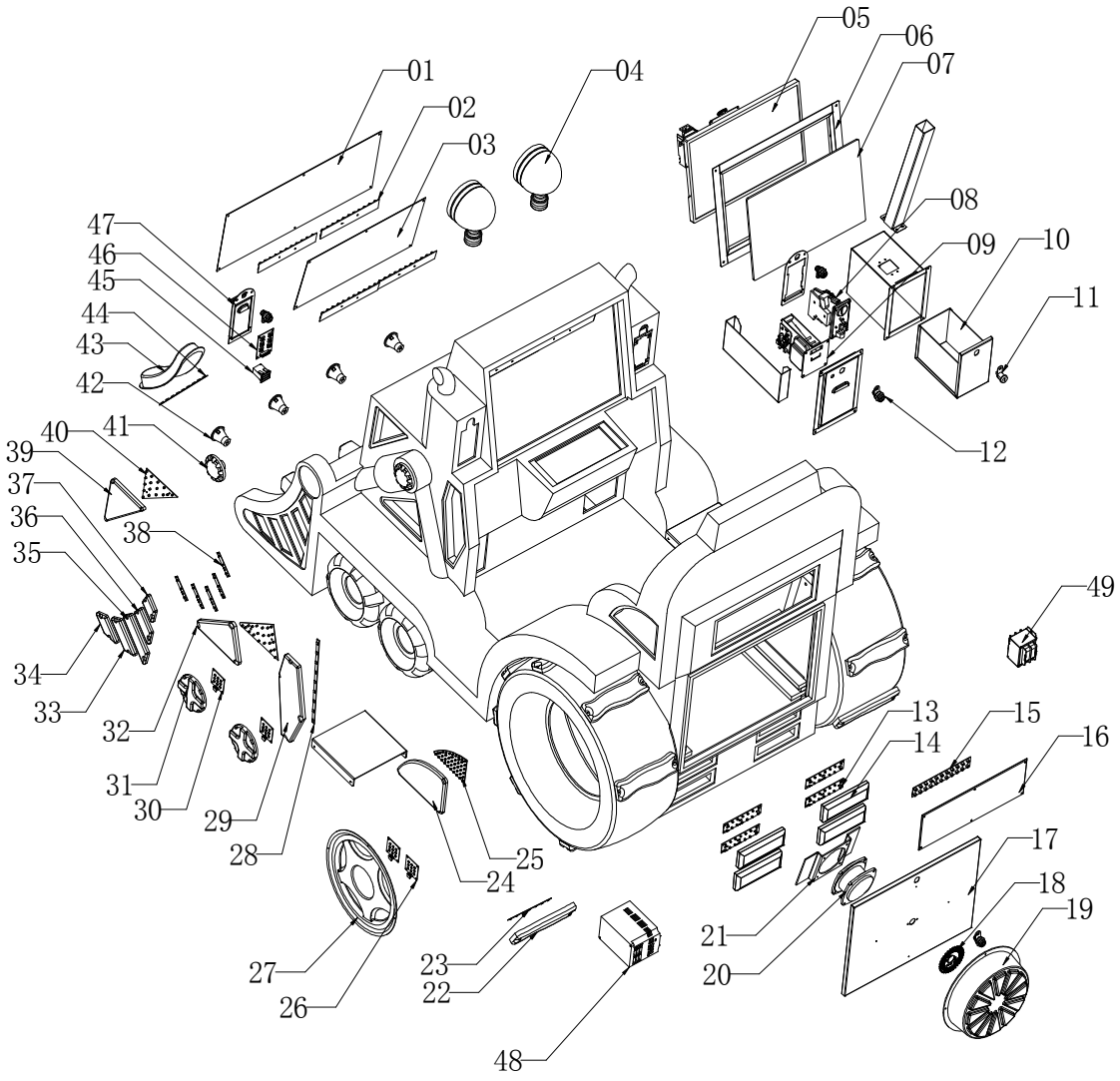
11. TROUBLESHOOTING

If you have any problem in installing or using the machine, we recommend that you first check the following table for possible cause of the problem and solution before asking for technical support:

	the coin mech is bad	replace the coin mech
The flash lights do not light up	the wire of light's control is loose.	check the connection of light's control.
	the light is bad	replace the light.
	the lights drive board failure	maintain or replace the lights drive board
The motor has no movement	the circuit of motor is blocked	check the connection of motor
	the motor-driven inverter fault	reset or maintain the inverter
	the start capacitor of motor is bad	replace the start capacitor of motor
	the motor is bad	replace the motor
The plane keep moving up and down can not stop.	the plane stops check the sensor wires, can not get through	connect and check the cable of the sensor
	the plane stops check the sensor is broken.	change the testing sensors
Directions control failure	the circuit of direction encoder is blocked	check and connect the circuit of direction encoder
	the encoder is bad	replace the encoder
The monitor has no display	the monitor power line is loose	reconnect the monitor power line
	the monitor signal cable is not connected	connect the monitor signal cable
	the main board is bad	maintain or replace the main board.
	the mointor is bad	replace the monitor
Have no sound.	the wire of speaker is loose.	check the connection of speaker.
	the volume is too low.	adjust the volume on the setting interface.
	the speaker is bad.	check and replace the speaker.
No movement for the whole machine	no AC110V/220V input	check the connection
	Leakage protection switch is off.	please check if there is a short circuit.
	no output voltage of power supply.	repair or replace the power supply.
	the main board is bad.	replace the main board.

12. DIAGRAM FOR MAIN PARTS AND PARTS LIST

12.1 CABINET



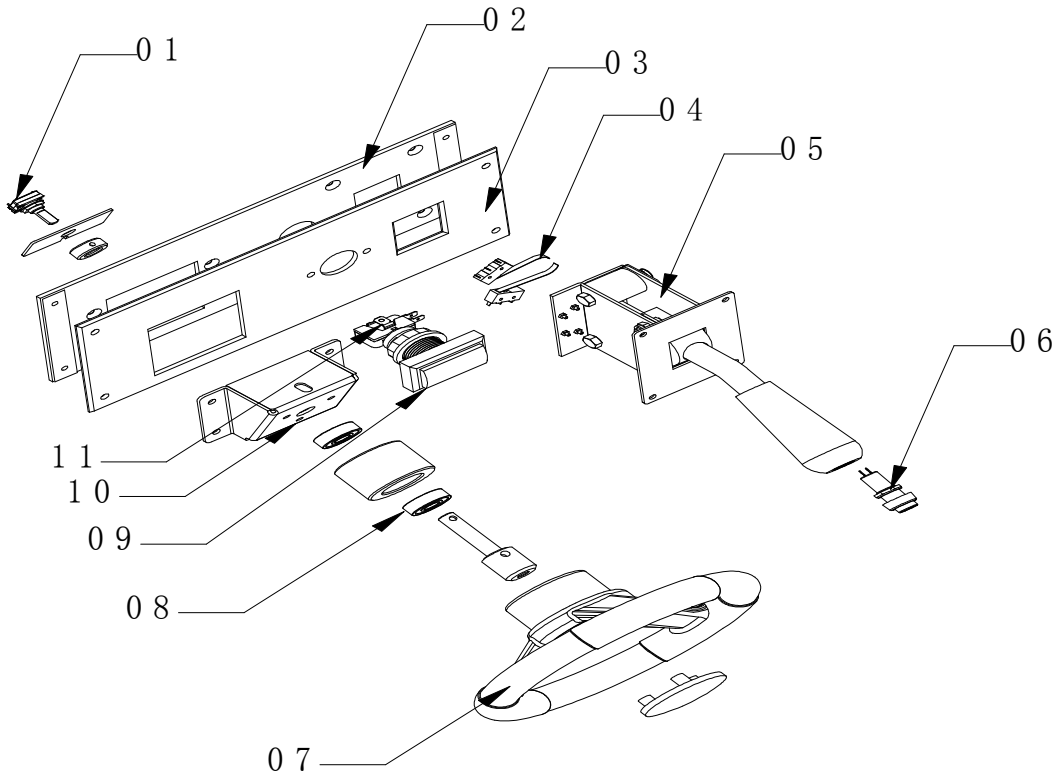
Chassis components parts list

NO.	NAME/MODEL NO.	QTY
01	Prior to Organic pieces A	1
02	Instruction board	4
03	Prior to Organic pieces B	1
04	Car headlights	2
05	monitor19 inch	1
06	Display frame	1
07	The display glass	1
08	Analogy type coin	1
09	Lottery machine	1
10	The chssis	1
11	Lock #1396	1
12	Lock #1285	3
13	Light board A	4
14	Tail Lamp	4
15	Instruction board	1
16	Back Organic pieces	1
17	Back door	1
18	Horn light board	5
19	Back circular lampshade	1
20	Vibrator	1
21	Vibrator fixed part	1
22	Tire blister	16
23	LED	2.1m
24	Triangle chimney 3(left)	1
25	Triangle board 3(left)	1

NO.	NAME/MODEL NO.	QTY
26	three-colour light board	4
27	The rear blister	4
28	LED light bar	2
29	Hexagon blister(left)	8
30	three-colour light board	2
31	The front blister	4
32	Triangle chimney 2(left)	1
33	Light board blister4(left)	1
34	Light board blister5(left)	1
35	Light board blister3(left)	1
36	Light board blister2(left)	1
37	Light board blister1(left)	1
38	Light board	10
39	Triangle chimney 1(left)	1
40	Triangle light board 1(left)	1
41	coloured light #105	4
42	Screw LED light	50
43	Bucket blister	5
44	LED light bar	5
45	code table	1
46	Setting board	1
47	Setting door	1
48	Transducer 0.75kw	1

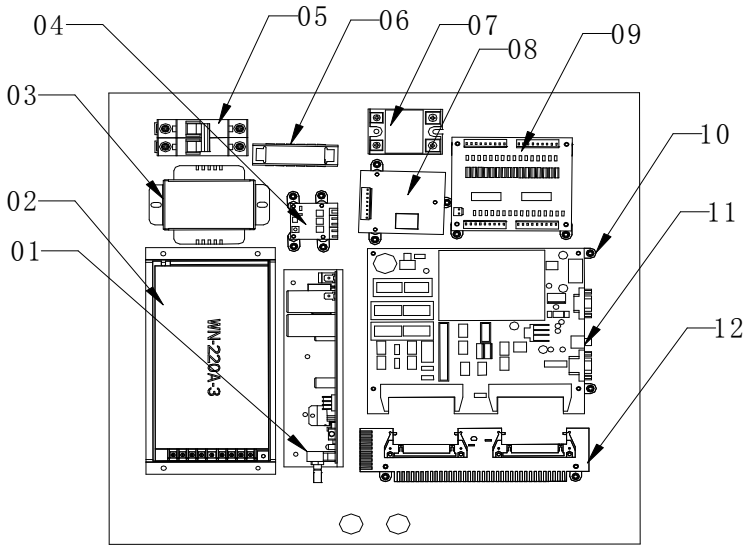
49	Transformer 220v/18v	1

12. 2 Control table component diagram and parts list

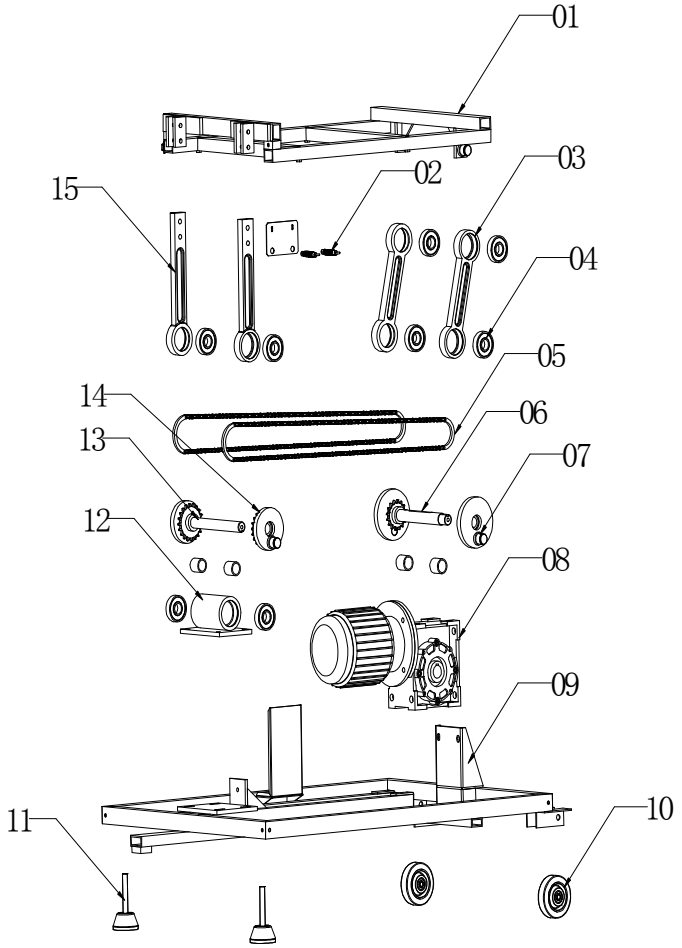


NO.	名　称	件数
01	编码器 EC16	1
02	控台件	1
03	控台有机片	1
04	小长片微动开关	2
05	摇杆	1
06	波子机按钮	1
07	小方向盘	1
08	轴承 6305	2
09	方型绿色带灯按钮	1
10	方向盘座	1
11	无片微动开关	1

12.3 EXPLODED VIEW FOR CHASSIS



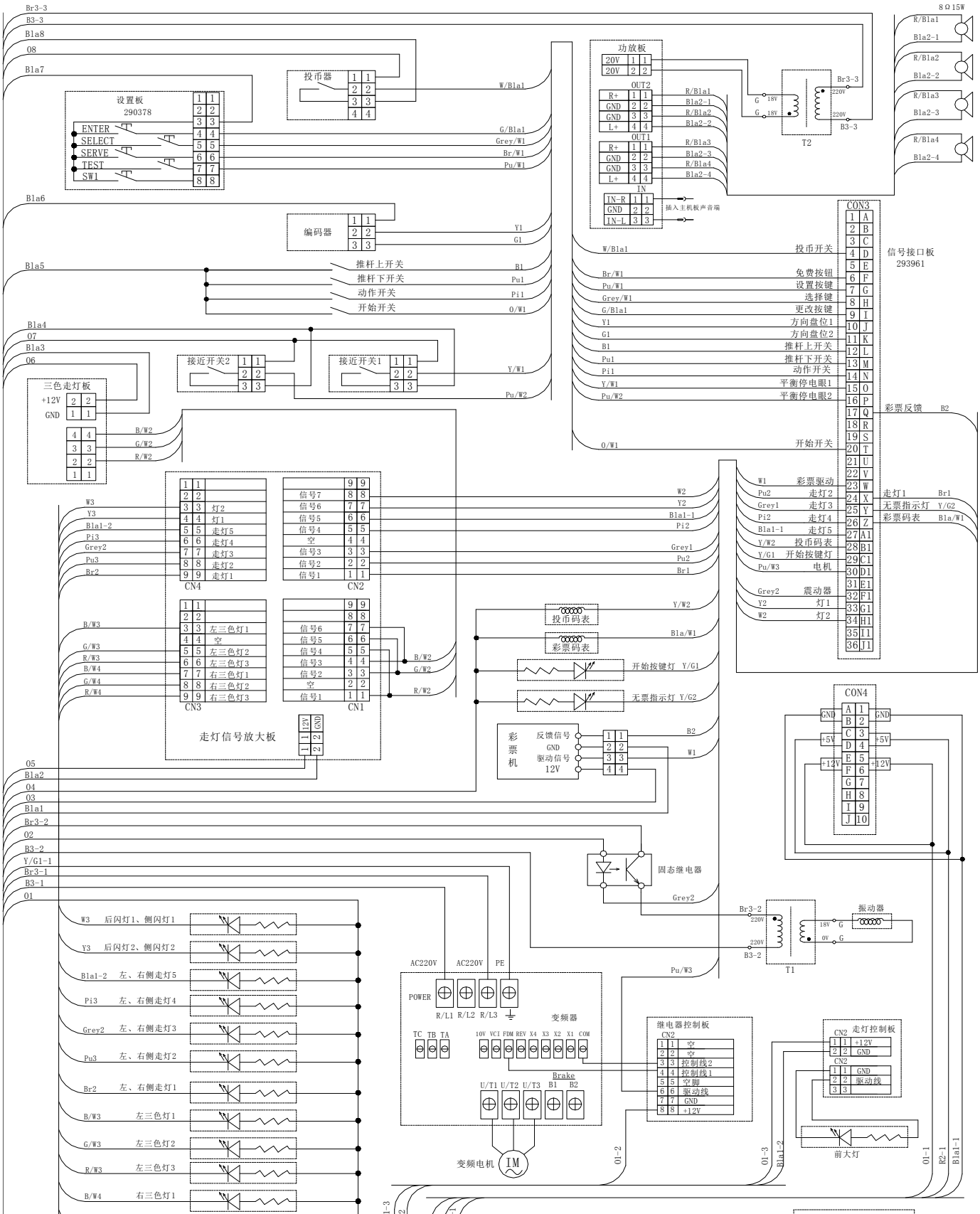
12.4 Chassis components decomposition diagram and parts list



NO.	名　称	件数
01	连接架	1
02	接近开关	2
03	摆臂A	2
04	轴承 6305	6
05	链条 4分	2
06	主动齿轮件A	1
07	主动齿轮件B	1
08	电机	1
09	底架	1
10	固定转轮	2
11	地脚	2
12	轴承座	1

NO.	名　称	件数
13	从动齿轮件A	1
14	从动齿轮件B	1
15	摆臂B	2

13. SCHEMATIC DIAGRAM



14.After-sales service description

We take "warm, thoughtful, sincere, timely" for the purpose of the after-sales service, with strong technical support, timely solve the problem for you need.

14.1 After sales service

Customer service through many years of service experience, according to three main service industry actual situation, formulated the following way:

Online services

FAQ: Set email problem solving, technical personnel real-time answers to users of common questions.

Telephone services

Guide the way to solve customer's problems by telephone.

On-site service

Users in the process of using our company's products,if met the problem can't be solved through the way above, the users should consultation with customer service department, customer service department will arrange technical personnel to the customer's place to repair on-site and give services.

Regarding spare parts application and maintenance of order, please according to the maintenance application form and provide the necessary spare parts purchase order on the project content.

In addition,the parts take time to repair, so the supply time could extend, please understanding.

维修申请单

公司名称		产品购买时间（年月日）	
申请人	固定电话	移动电话	传真
公司地址			

机器名称	机器编号（重要）
故障描述 （请详细描述）	

备注

Note:Our company provides the maintenance spare parts supply for 5 years.

零部件订购单

客户	电话	传真
公司名称	公司地址	
运输支付方式：到付、预付		

	零件名称/型号	机器名称	数量	备注
1				
2				
3				
4				
5				

备注

Contact:WWW.MECPOWER.COM.CN

ADD:Wenbian Industrial Zone,Wenbian Village,Shiji Town, Panyu District,Guanghzou China.

TEL：020-84859302

SEVICE TEL: 020-34882820