Manual for Max Roller

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Safety Attentions

1) Certain part of the game is with high voltage. Adjust the game by technician.

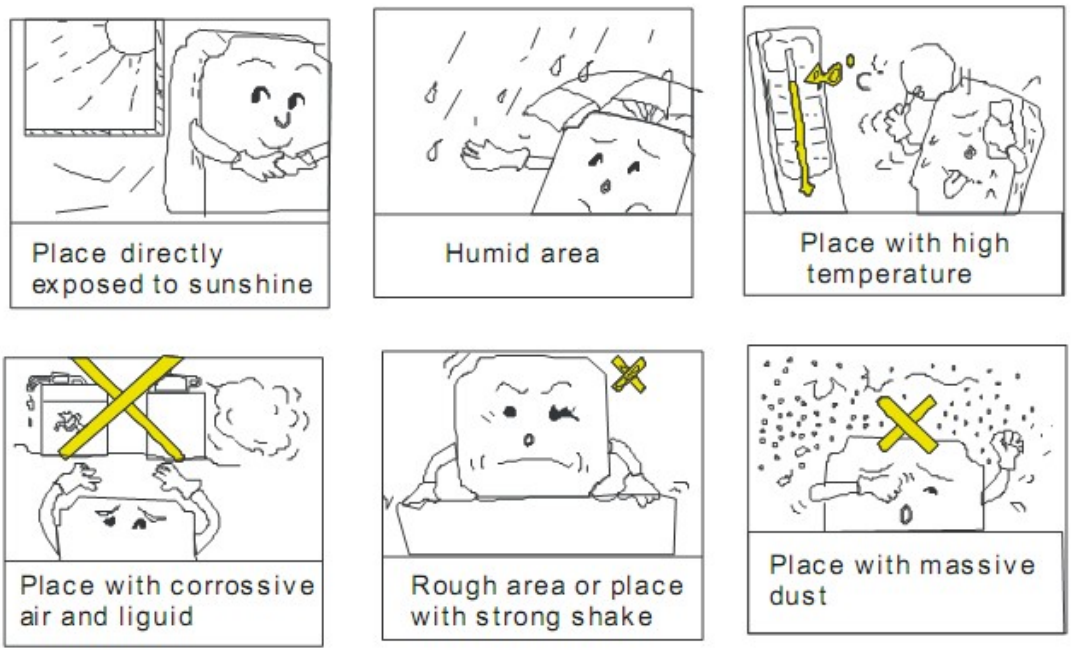
   Do not open the game door unless maintenance or parts replacement is

   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 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 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.

GAME INTRODUCTION

Kid Carrier is a very popular kiddie ride. Its outstanding appearance, unique and exciting design makes itself very popular among the players.

PRODUCT FEATURES

Kid Carrier's streamline and colorful design is very attractive to the players. We use high-quality main board and efficient CPU to maintain the stability of the kiddie ride.

PLAYING TIPS & OPERATION

1. Insert coin(s).
2. Game starts and game time starts to countdown.
3. Aim to shoot the enemy vessels. The more vessels you shoot, the more point you will get.
4. Game is over when game time is 0.
5. There are several buttons inside the game: SERVICE, TEST, SELECT, CHANGE. Please refer to the display on screen to set the game.
6. Directional controller reset: enter potentiometer testing menu, first, press the start button, then rotate the directional controller left and right for twice, after that, press the exit button or restart the machine.

TECHNICAL PARAMETER

Voltage: AC 220V/ 240 (50/60Hz)

Max. Current: 7.4A

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

Max. Power: 1028W

Standby Power: 242W

Coin Size: Diameter φ21mm ~ φ31mm// Thickness 1.2mm ~ 2.5mm

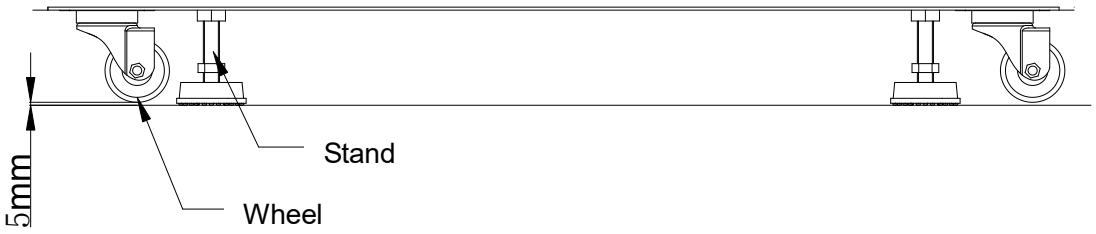
Capacity of Coin Box: Approximately 1500 Coins (for coin size φ25*1.5mm)

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

Dimension：L1150mm*W2200mm*H1500mm

CONSOLIDATE THE MACHINE

Place the stand against the floor, and it will lift the machine up approximately 5mm, so the machine will stand still on the ground.

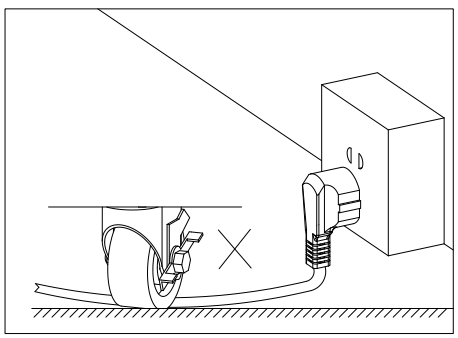


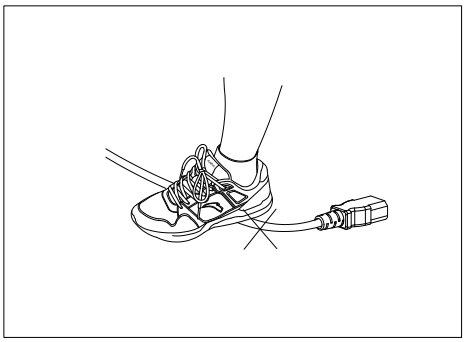
CHECK AND SET BEFORE CONNECTING THE POWER

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. Adjust the coin machine and check if it can work properly.
5. Connect the wires.

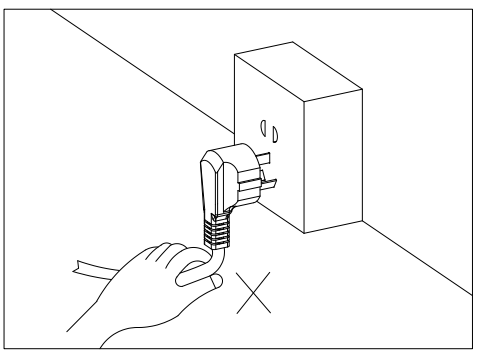
Attention

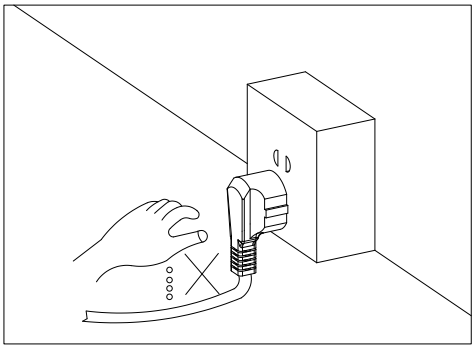
A. Please make sure the power cord is not pressed by wheel, foundation, etc. Otherwise, it will damage the wire to cause short circuit, even fire. Do not use strong power to extend and wring the wires. Do not make the wire be near to the high temperature object. Properly put the wire to avoid any kicking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





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





CHECK AFTER CONNECTING 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.

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

DAILY OPERATION

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, control button and the machine movement is normal.

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

CHECK AFTER OPERATION

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

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.

GAME SETTING

1. No. of coin (1 – 10 coins) for no. of game (1 – 5 games)
2. No. of point (1 – 50 tickets) for no. of ticket (1 – 5 tickets)
3. Game time (60 – 300 seconds)
4. Dispense tickets or not. (ON – dispense, OFF – do not dispense)
5. Language (Chinese or English)
6. Mercy ticket (0 – 5 tickets)
7. Game mode (insert coin or free play)
8. Volume (value: 50 – 255)
9. Directional controller reset: enter potentiometer testing menu, first, press the start button, then rotate the directional controller left and right for twice, after that, press the exit button or restart the machine.

COMPONENT SIDE

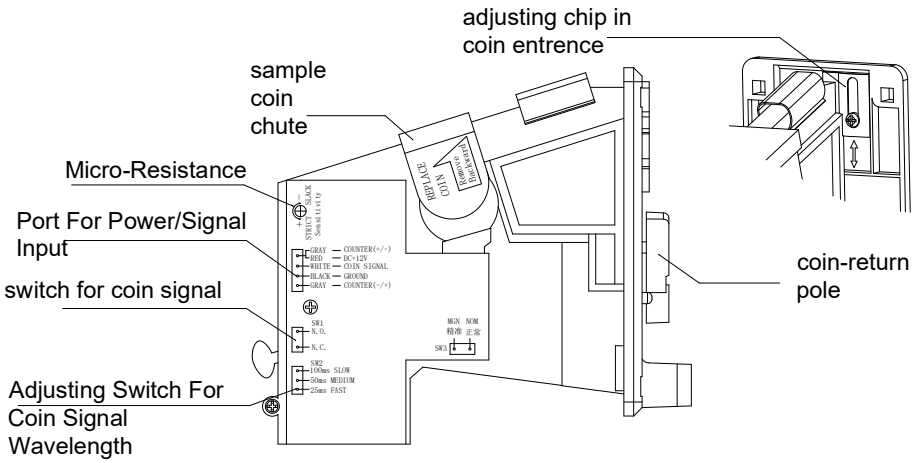
1	R	
2	B	
3		SPEAKER OUT speaker
4	S0	COIN SWITCH（1）
5	S1	COIN SWITCH（2）
6	S2	SERVICE
7	S18	TEST / page turning
8	S3	SELECT
9	S4	CHANGE
10	S17	Ticker dispenser feedback signal---spare
11	S5	START BUTTON
12	S6	LAUNCH BUTTON
13	S7	
14	S19	
15	S20	
16	S16	
17	S21	
18	S11	
19	S10	
20	S15	Direction—left switch
21	S12	Direction—right switch
22	GND	
23	O0	Ticker dispenser signal---spare
24	O4	Ticker indicator light---spare
25	O1	COIN METER
26	O2	Ticket meter---spare
27	O3	Speaker light 1
28	O5	Speaker light 2
29	O12	Speaker light 3
30	O14	Speaker light 4
31	O16	Launch button light
32	O18	Launch solenoid
33	O20	Vibrating horn under seat
34	O22	Start button light
35	GND	
36	GND	

SOLDER SIDE

1	G	
2	SYNC	
3	GND	SPEAKER OUT speaker GND
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17	S22	
18	S13	
19	S9	
20	S31	
21	S14	
22	S30	
23	S23	
24	O6	
25	O8	
26	O9	
27	O10	
28	O11	Taillight 1
29	O13	Taillight 2
30	O15	Main air valve switch
31	O17	Air valve—front left
32	O19	Air valve—front right
33	O21	Air valve—rear left
34	O23	Air valve—rear right
35	GND	
36	GND	

Component side		Solder side	
GND	1	1	GND
GND	2	2	GND
+5V	3	3	+5V
+5V	4	4	+5V
+12V	5	5	+12V
+12V	6	6	+12V
O27	7	7	O26
	8	8	
GND	9	9	GND
GND	10	10	GND

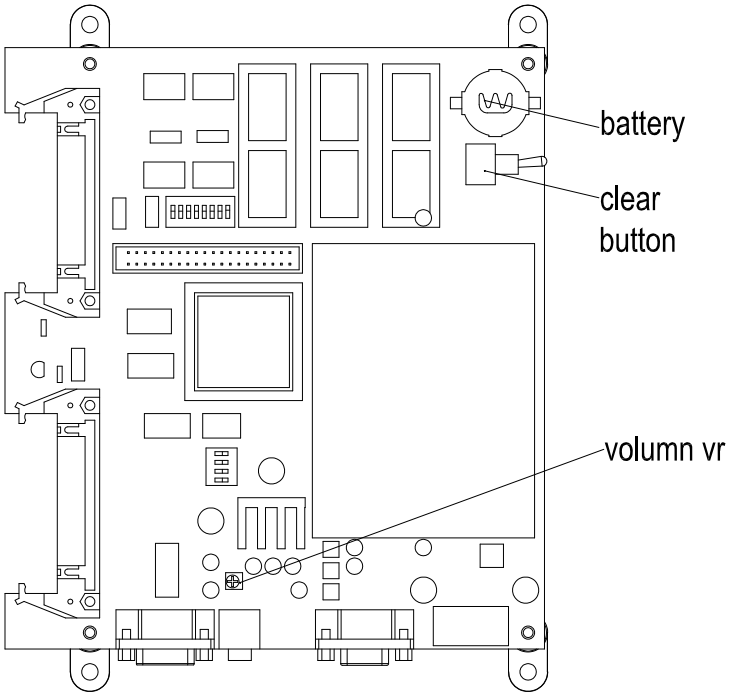
ADJUST THE COIN MECH



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.

ADJUST THE BOARD



Adjustment

Clear the data: press clear key to clear the data of coin saved in the main board and the game settings will change to default setting.

Adjust the volume: twist the potentiometer with screw driver to adjust the volume. Twist clockwisely to increase the volume; counterclockwisely to decrease the volume.

Note: The battery is for power for main board to save the settings, data of coin when the location's power is off. If those data can not be saved when the location's power off, please replace the battery.

MAINTENANCE

! 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.

1. Daily Check

ITEM	DESCRIPTION
Coin mech	Check whether the coin mech can work properly.
Start button	Check whether the button work normally.
Control button	Check whether the button work normally.
Motion	Check whether the motion is proper
Sound	Check whether the sound and the volume are ok.
Display	Check if the displayed colors are proper.
Temperature&humidity	Check if the temperature and humidity is proper

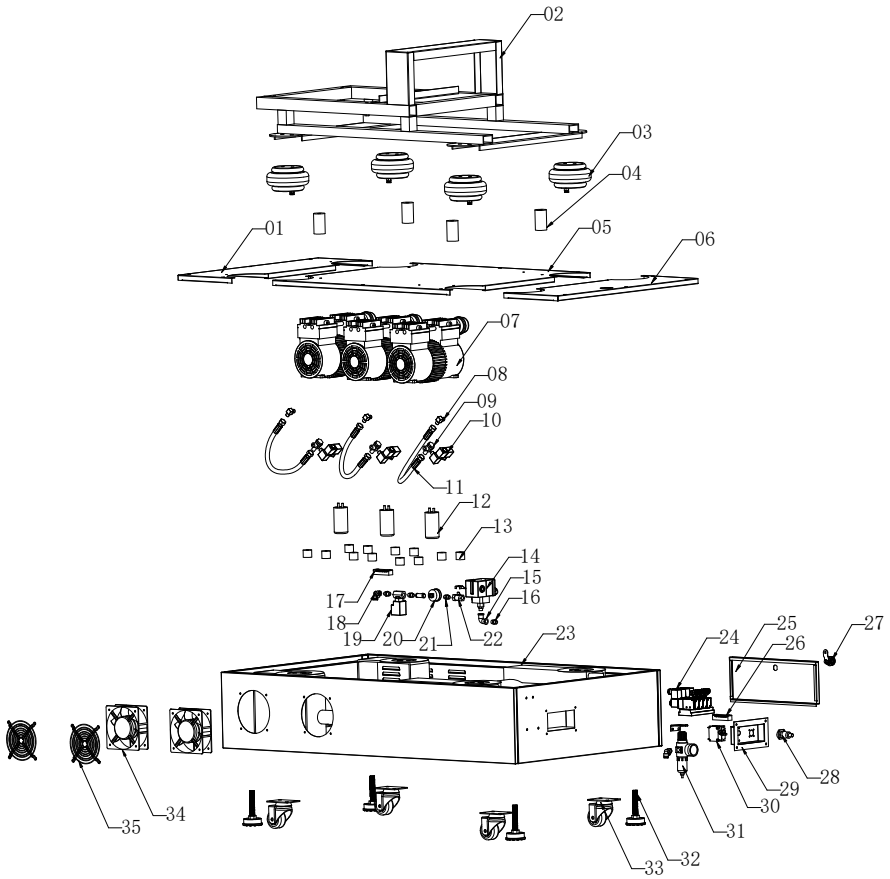
2. Daily Maintenance

ITEM	DESCRIPTION
Cabinet	Clean the cabinet with water and soft paper.
Monitor	Clean the ABS for monitor with water and soft paper.
PCB	Sweep the dust and dirty in the board with small brush

TROUBLESHOOTING

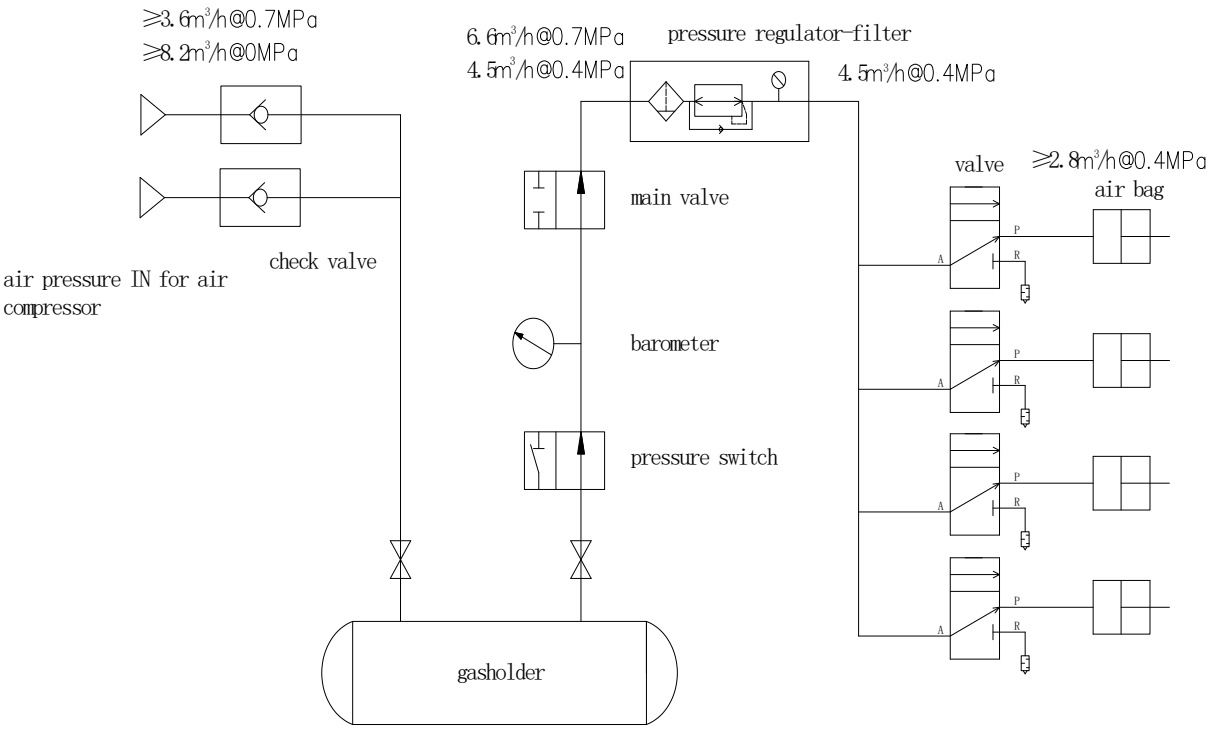
PROBLEM	CAUSES	SOLUTIONS
Can't insert coin	no sample coin	insert sample coin
	sensitivity for coin was adjusted too high	adjust the sensitivity, screw the resistance (turn right)
	the coin mech is bad	replace the coin mech
The flash lights do not light up	the wire of light's control is loose.	check the connection of light's control.
	the light is bad	replace the light.
	the lights drive board failure	maintain or replace the lights drive board
Have no movement	The connection of wire is bad.	Properly reconnect the wires of motor.
	The inverter is bad	Repair or replace the inverter
	The motor capacitor is bad	Replace the motor capacitor
	Motor is bad	Replace the AC motor
Button failure	the circuit of switch is blocked	check and connect the switch
	the switch is bad	replace the switch
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
	the fuse is burnt.	replace the fuse.
	no output voltage of power supply.	repair or replace the power supply.
	the main board is bad.	replace the main board.

FRAME ASSEMBLY AND PART LIST

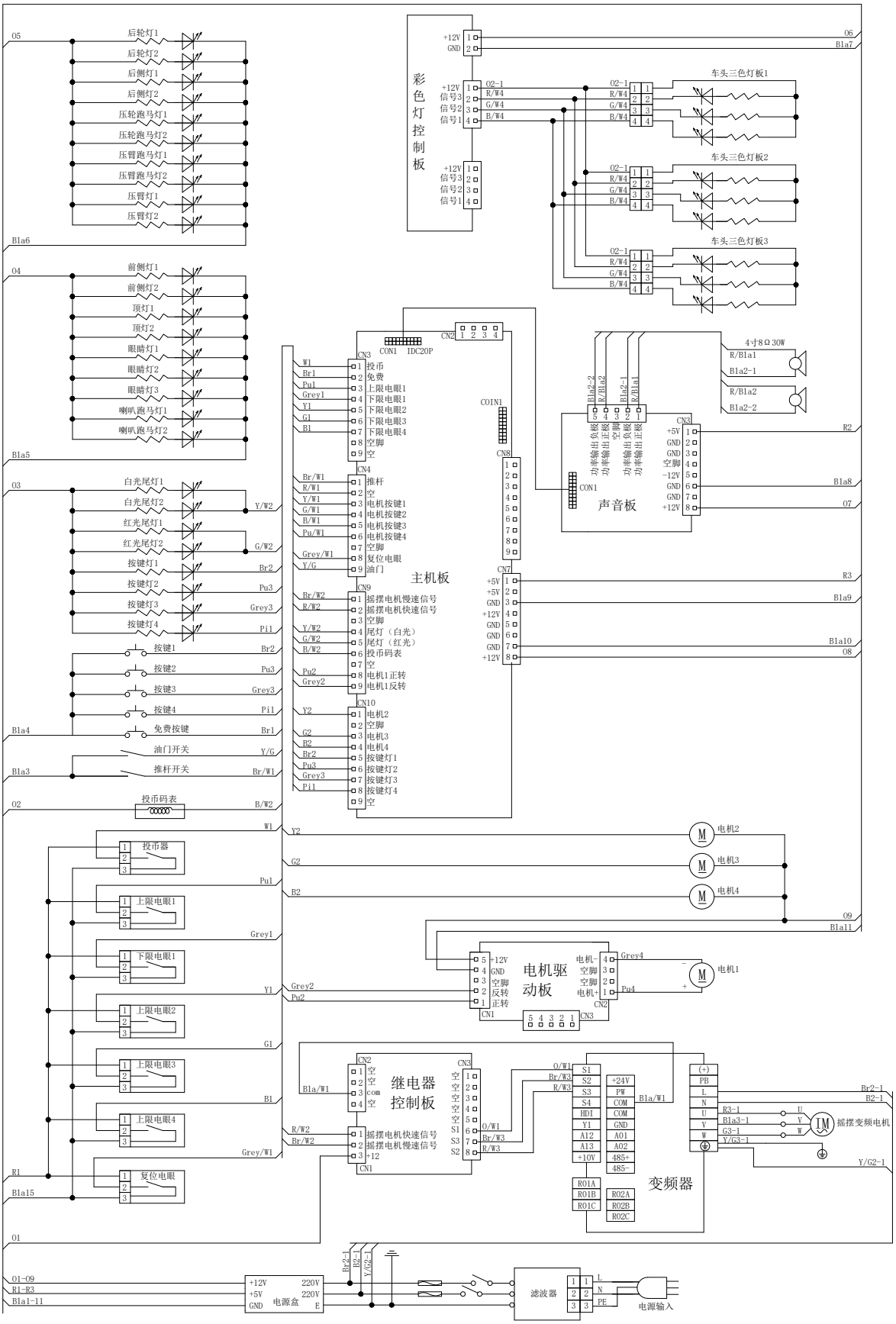


NO.	name / model#	QTY
01	chassis cover（front）	1
02	supporting assy.	1
03	air bag	4
04	holder	4
05	chassis cover（middle）	1
06	chassis cover（back）	1
07	air compressor	3
08	pipe joint	3
09	pipe joint (1 to 3)	3
10	valve A	3
11	pipe with connector	3
12	AC capacity	3
13	shockproof rubber	12
14	relief valve	1
15	pipe joint 1	2
16	pipe side joint 1	4
17	12P connector	2
18	pipe joint 2	7
19	main valve	1

NO.	name / model#	QTY
20	barometer	1
21	hand valve	1
22	frame assy.	1
23	valve	4
24	service door	1
25	lock 1285	1
26	aviation plug	1
27	socket	1
28	safe sw	1
29	air circuit filter	1
30	foundation	4
31	wheel	4
32	fan	2
33	fan mesh	2



SCHEMATIC DIAGRAM


后轮灯1
后轮灯2
后侧灯1
后侧灯2
压轮跑马灯1
压轮跑马灯2
压臂跑马灯1
压臂跑马灯2
压臂灯1
压臂灯2
前侧灯1
前侧灯2
顶灯1
顶灯2
眼睛灯1
眼睛灯2
眼睛灯3
喇叭跑马灯1
喇叭跑马灯2
白光尾灯1
白光尾灯2
红光尾灯1
红光尾灯2
按键灯1
按键灯2
按键灯3
按键灯4
按键1
按键2
按键3
按键4
免费按键
油门开关
推杆开关
投币码表
彩色灯控制板
车头三色灯板1
车头三色灯板2
车头三色灯板3
4寸8Ω30W
声音板
主机板
投币器
上限电眼1
下限电眼1
上限电眼2
上限电眼3
上限电眼4
复位电眼
电机2
电机3
电机4
电机1
电机驱动板
继电器控制板
变频器
摇摆变频电机
滤波器
电源盒
电源输入