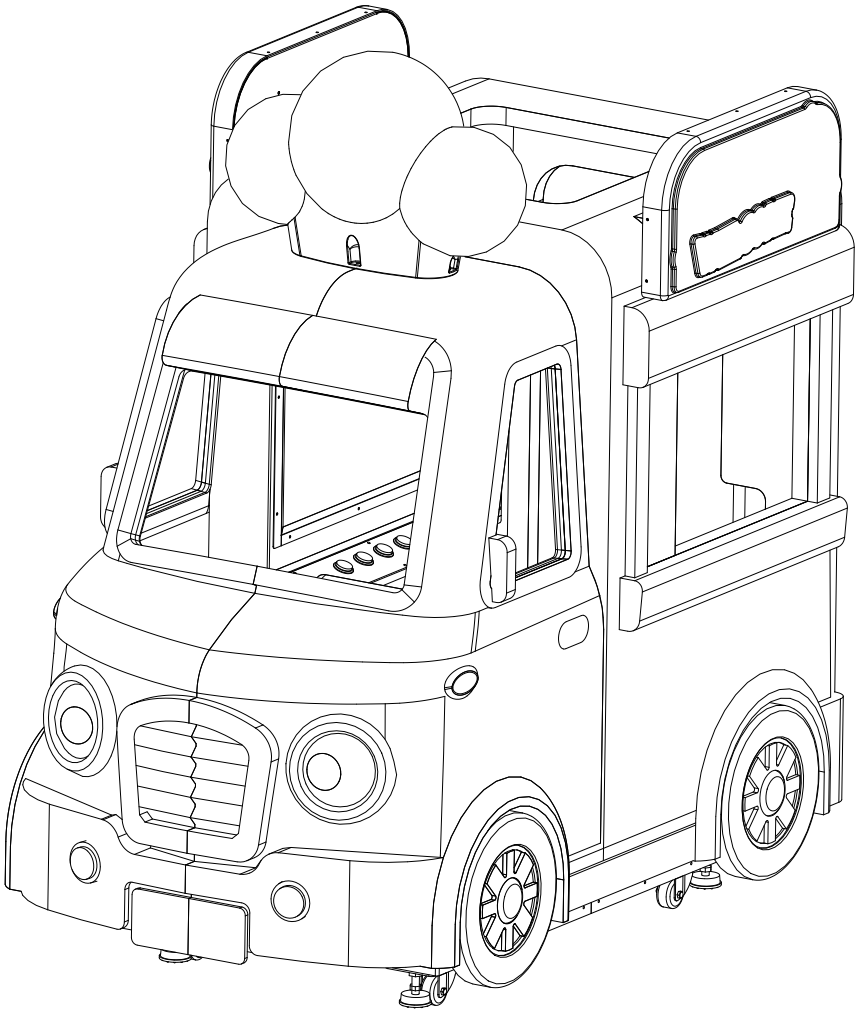

# Dining Car


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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.

## Content


- ✧ Transportation, Installation, Method of transport and Attention
- ✧ Installation & Operation method
- ✧ Function adjust method
- ✧ Maintenance method
- ✧ Trouble Shooting
- ✧ Schematic Diagram
- ✧ Wiring Diagram

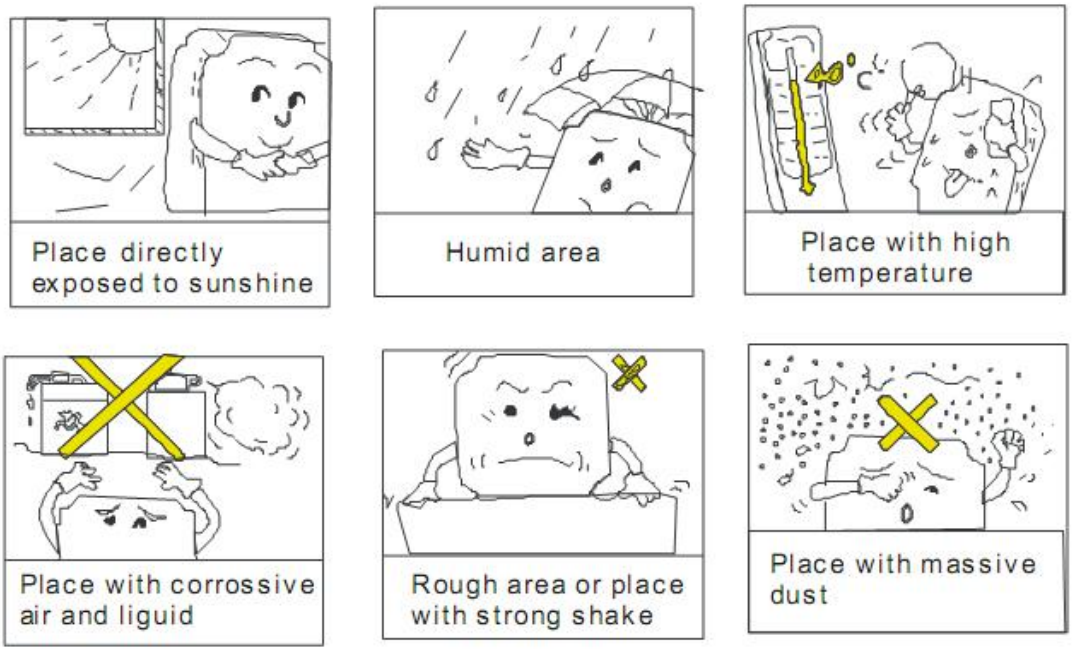
## Safety Attentions

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 maintain 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

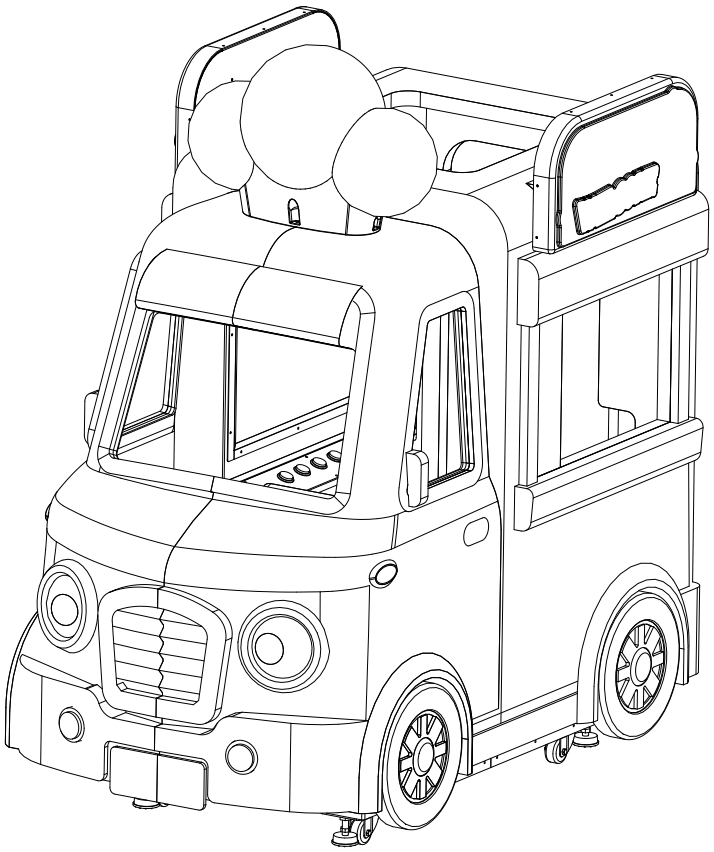
1) Properly disassemble the game for necessary moving and shipping.

2) Prevent the game from hitting or being attrite during movement.

3) Protecting the case when move the game.

## 1. Game introduction

Dinning Car with unique, beautiful and comic 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.



**Features:**

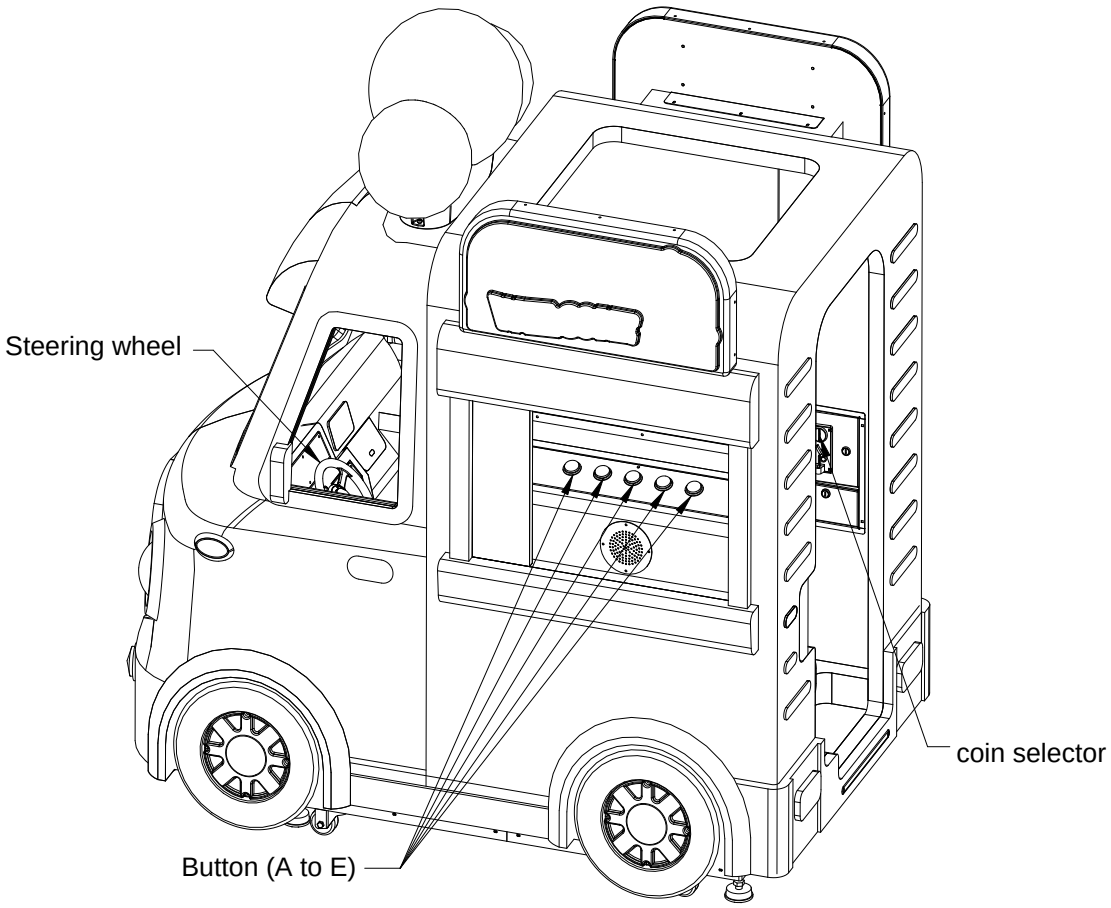
Realistic, colorful;

High-speed processing CPU, stable performances;

Coin selector with high quality fits for various coins.

Simple, strong operational sense and full of entertaining.

## 2. Playing tips and Operations



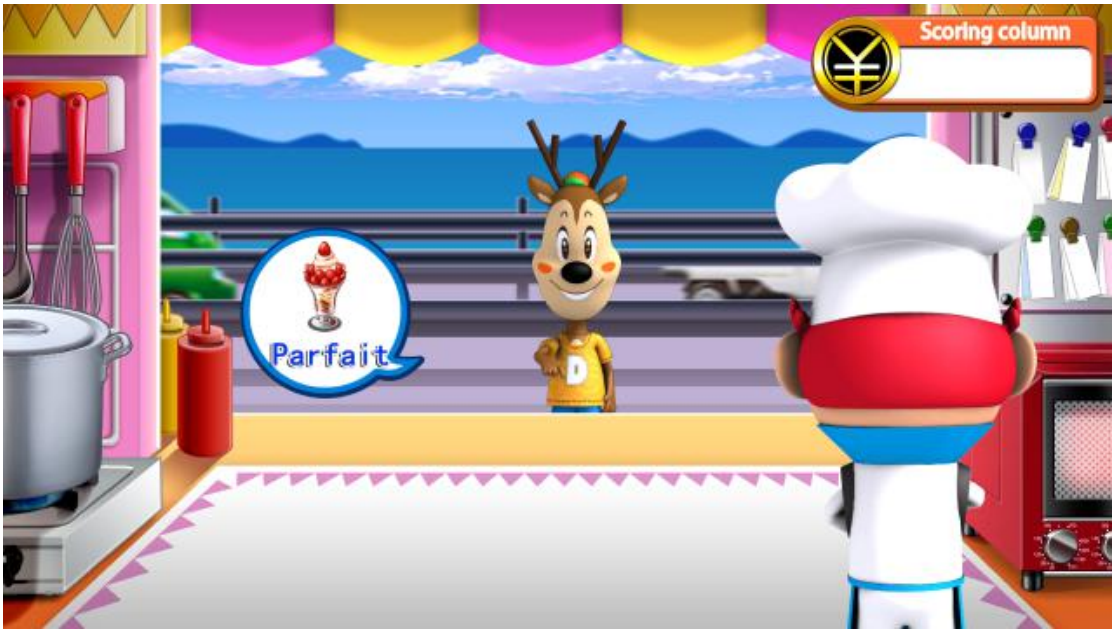

This game can be played by two players at the same time, and the roles of two people are different; one player operates at the steering wheel console, and the other player operates at the screen console. They can cooperate with each other or play games individually.

**Playing tips:** Insert coin(s), press the lighted button when you are ready, or wait for countdown.

**Steering wheel**：When the steering wheel rotates to the left, the light on the steering wheel turns red; when the steering wheel rotates to the right, the light on the steering wheel turns blue.

**Console**：

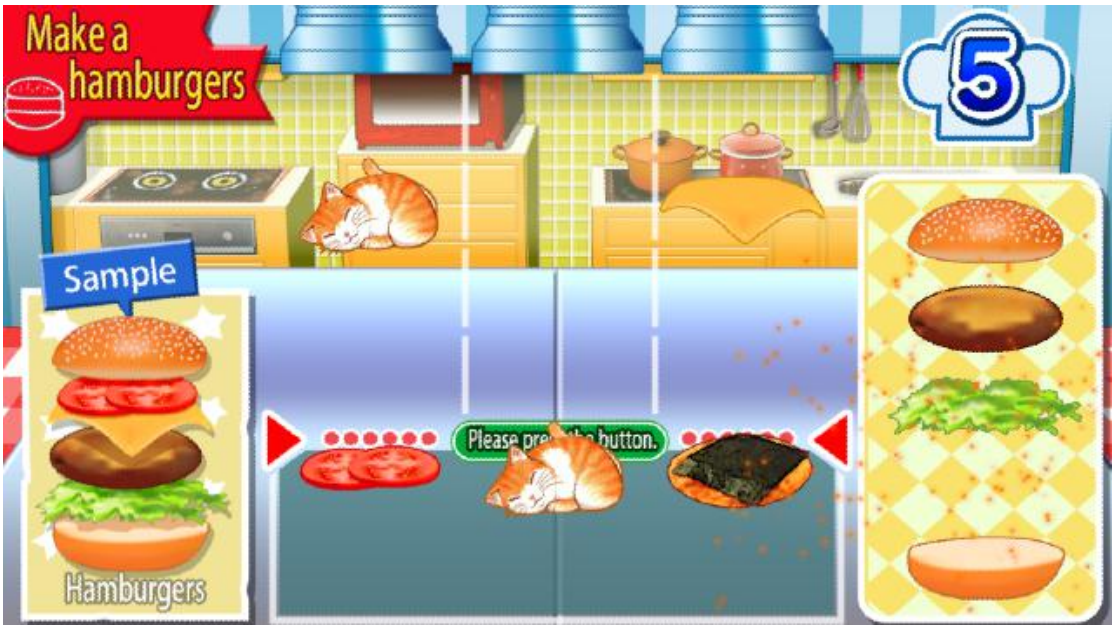
1）After the game starts, guests will come to order; When the food is ready, select and press the buttons corresponding to the food they have ordered.（Notes：press the lighted button）



When the guests order more food, the arrows will have different colors to prompt the players.

2）Mini Games

Make hamburgers: According to the sample, select the ingredients needed by pressing the buttons.




Cut Pizza: Here's how to play

Cut the cake: Here's how to play

**3. Technical parameters**

VOLTAGE: AC220V（50/60HZ）

MAX. CURRENT: 0.95A/1.8A

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

MAX. POWER: 300W

STANDBY POWER: 100W

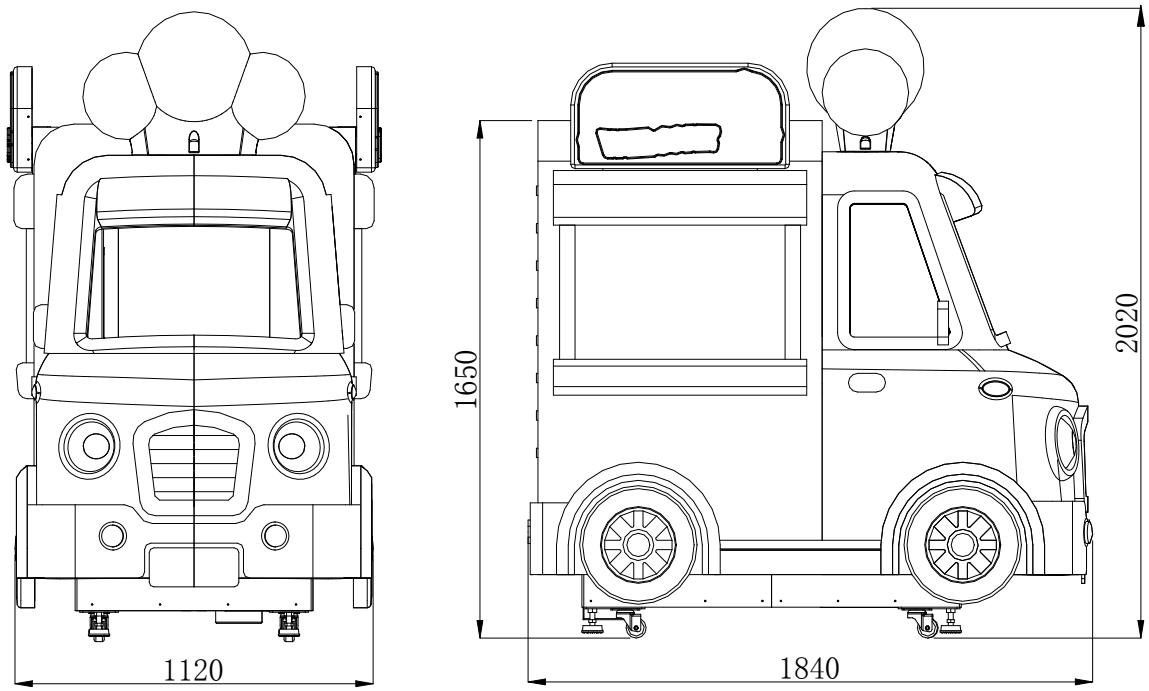
COIN SIZE：φ21mm ~ φ30mm (diameter)

φ1.2mm ~φ2.5mm (thickness)

CAPACITY OF COIN BOX: 1,500pcs of coins with coin sizeφ25mm*1.5mm

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

DIMENSIONS: L1840mm*W1120mm*H1840mm



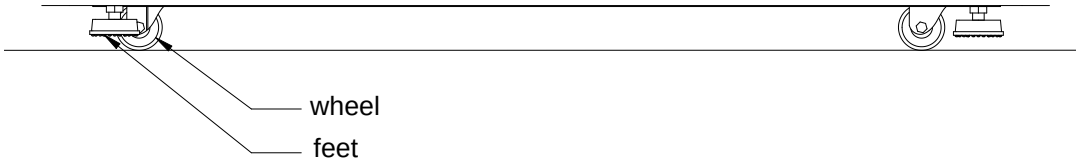
Parts shipped with the game:

| NO. | DRAWING | NAME | SPEC./MODEL | QTY |
|---|---|---|---|---|
| 1 | | fuse | 5A（小） | 2 |
| 2 | | key | 1285# | 2 |
| 3 | | key | 1396# | 2 |
| 4 | | power cord | | 1 |
| 5 | | manual | | 1 |

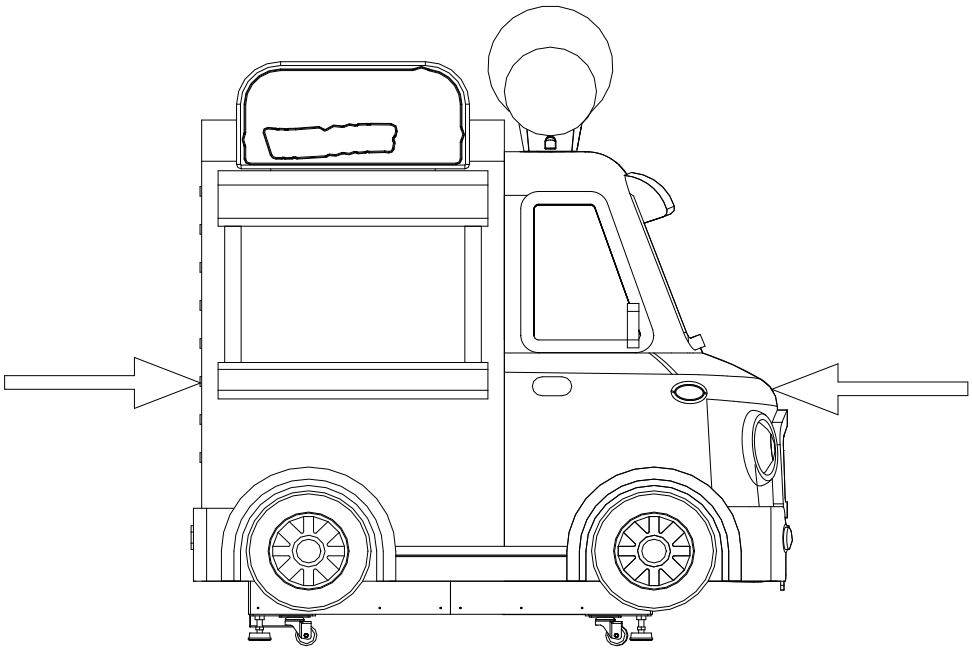
## 4. Movement

1) Twist the nut of feet to the bottom, counterclockwise screw the feet to leave the ground.

2) Unplug the wire




3) 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 the game machine body.**

**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.

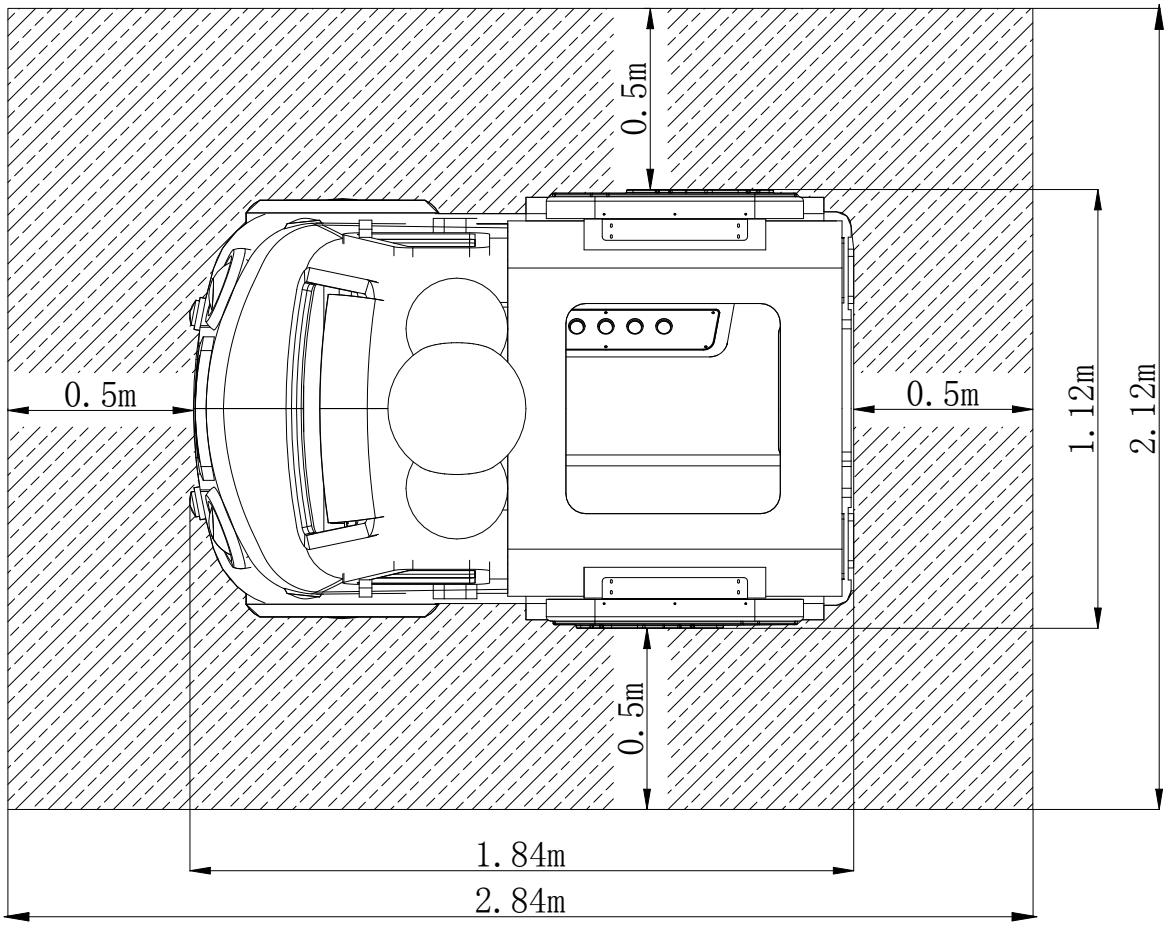
## 5. INSTALLATION

Please follow the direction below to install the game.

5.1 CHOOSE THE LOCATION FOR INSTALLATION

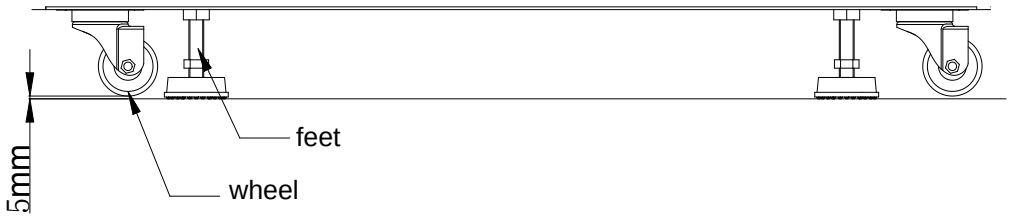
1) Put the Dining Car in the same type of game then select the concrete placement according to the machine's exterior.

2) Choose the proper location for installation, please follow the below drawing to install.




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

## 5.2 FIX THE GAME




Screw the feet down to hold the game, distance between ground and wheel is ⩾5mm so that the machine can not be moved.

## 5.3 CHECK AND SET BEFORE CONNECTING THE POWER

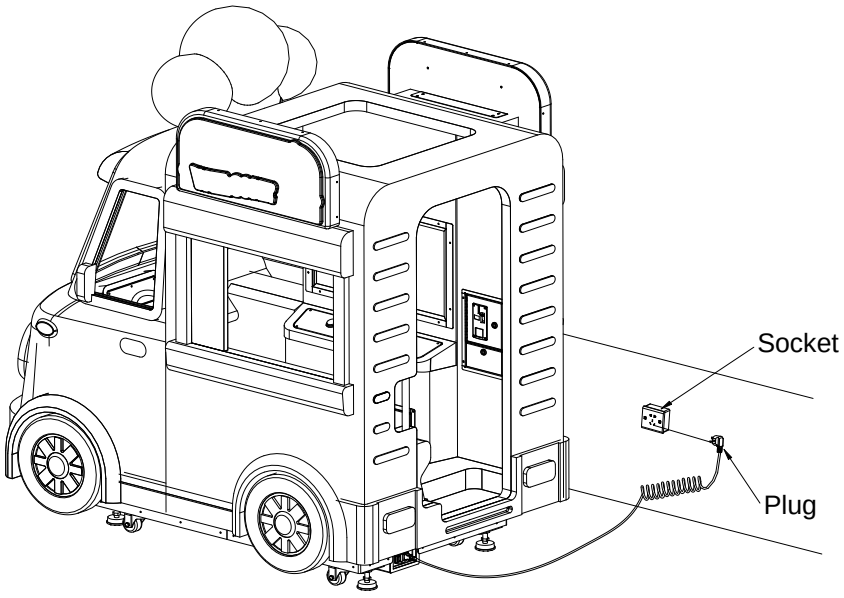
1) Please check whether the parts of cabinet are loose caused by moving, and the wire terminal should not drop out from the port.

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.

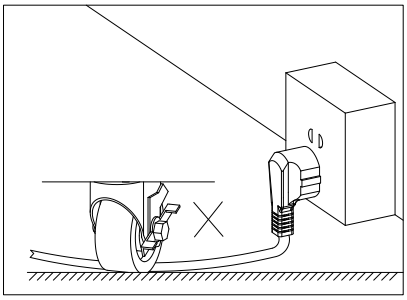
4) Adjust the coin selector and check if it can work properly.

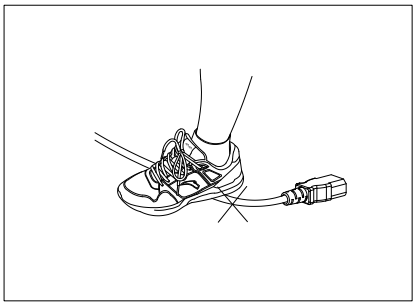
5) Connect the wires.



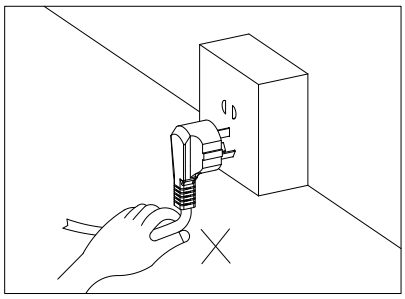
Attention

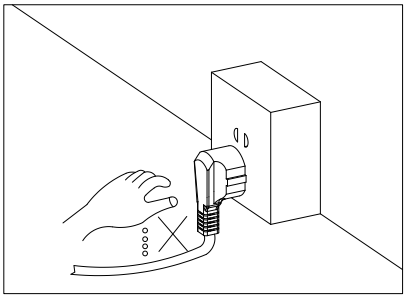
A. Please make sure the power cord is not pressed by wheel, foundation, etc. Otherwise, it will damage the wire to cause short circuit, even fire. Do not use strong power to extend and wring the wires. Do not make the wire be near to the high temperature object. Properly put the wire to avoid any kicking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





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





5.4 CHECK AND ADJUST 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) Insert coin to check if the coin selector cans work properly.
4) Visually check the game and ensure the display monitor and light can work properly.
5) Enter into the setting program and set the game settings (include coin, playing time, etc.)
6) Insert coin to play the game, ensure the button and steering wheel is working properly.
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

# 7. DAILY OPERATION

## 7.1 INPUT POWER TO OPERATE

1) Turn on the game machine.

2) Visually check the game and ensure the display monitor is working properly.

3) Check the light and confirm they are working properly.

4) Check the coin selector, steering wheel, sound and button and confirm they are working properly.

**Note: Only after the above items are confirmed to be normal can the machine be put into operation.**

## 7.2 COLLECT COINS AND KEEP RECORD

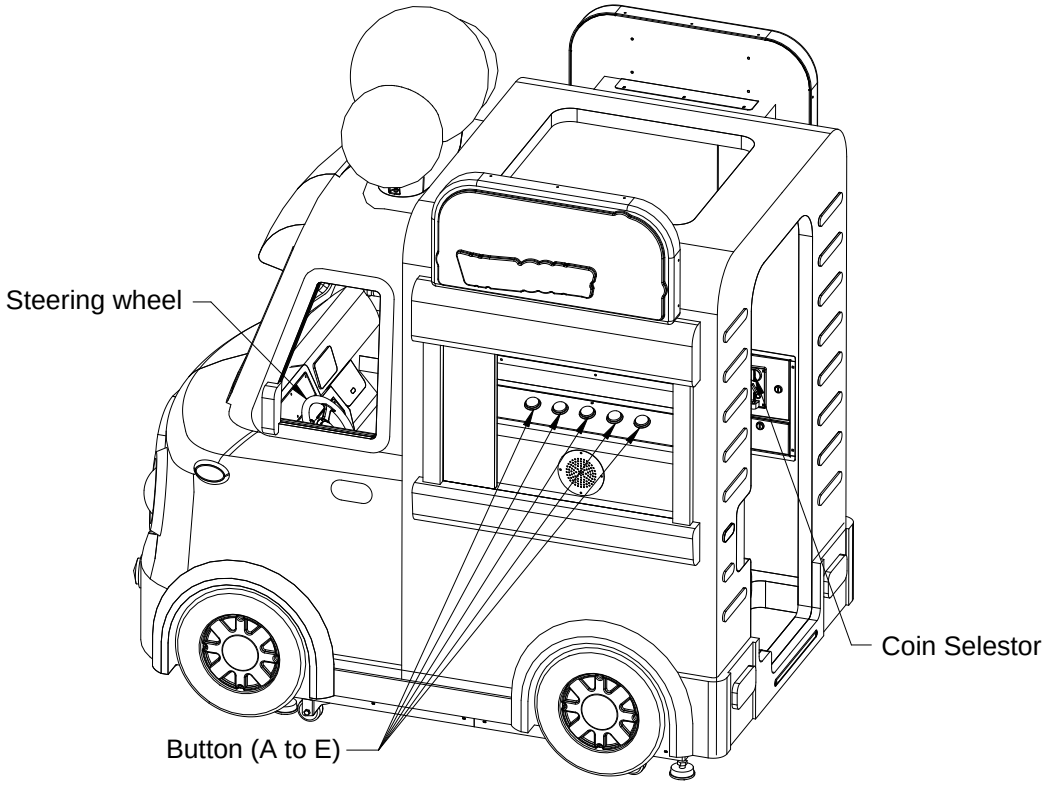
1) Switch off the power and open the coin door to take out the coins

1) 2) Keep a record of the coins' quantity.

## 8. Game Setting

### 8.1 Find the buttons

Open the coin door to find the buttons.




Test button（red）：Enter mode selection

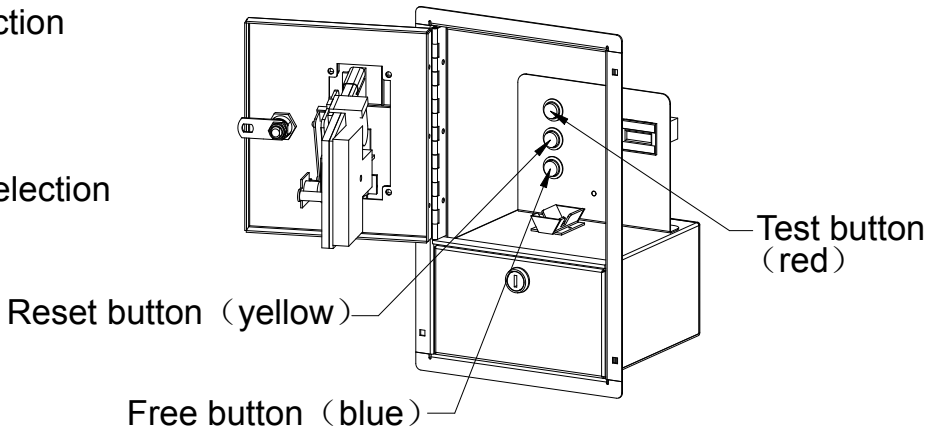
Reset button（yellow）：Error reset

Free button（blue）：Free to play

Button B：Up selection

Button C：Confirm

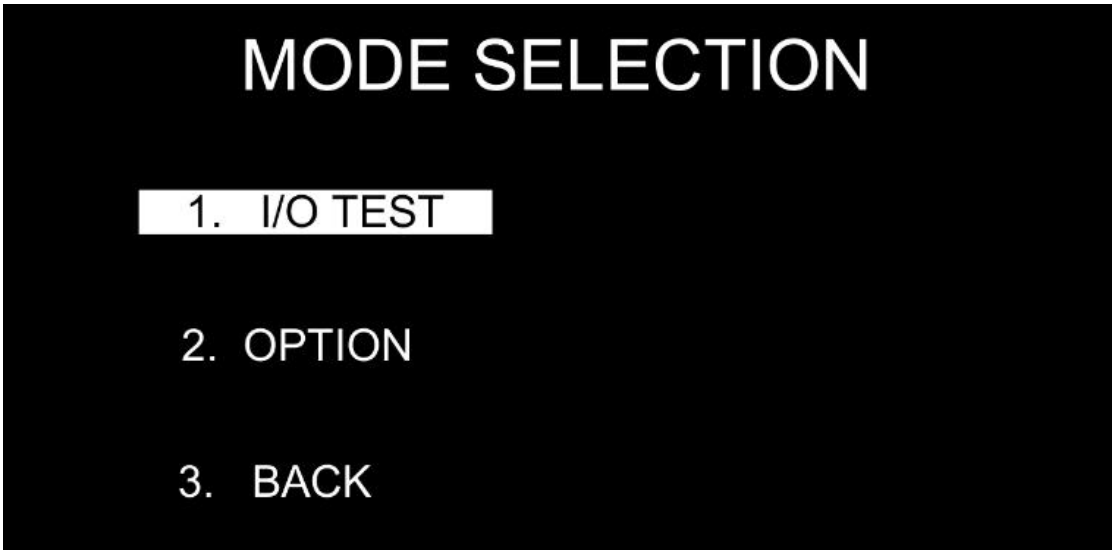
Button D：Down selection



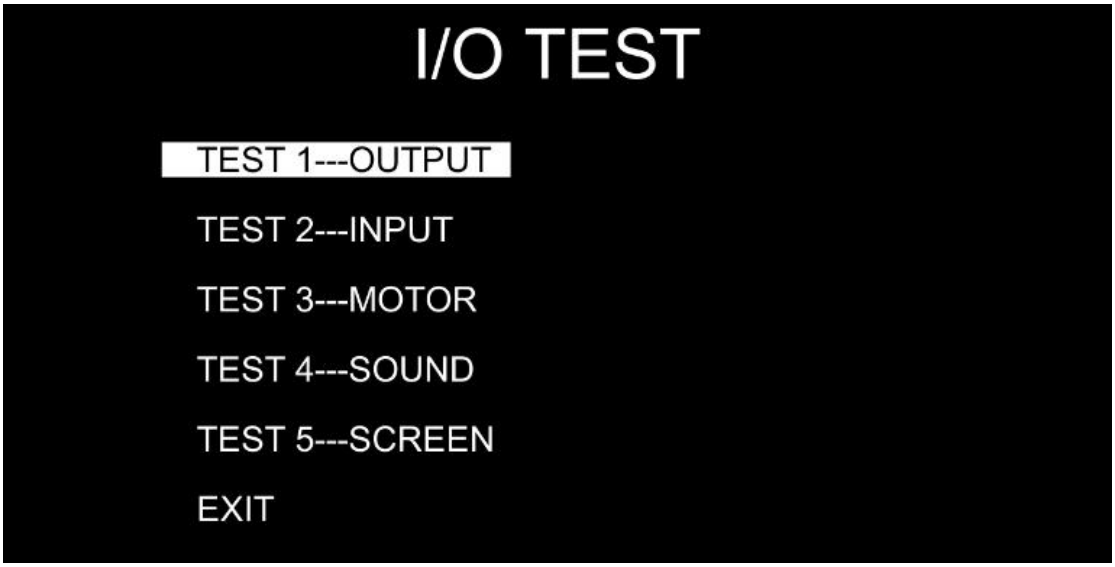
## 8.2 Testing and setting

**Testing**

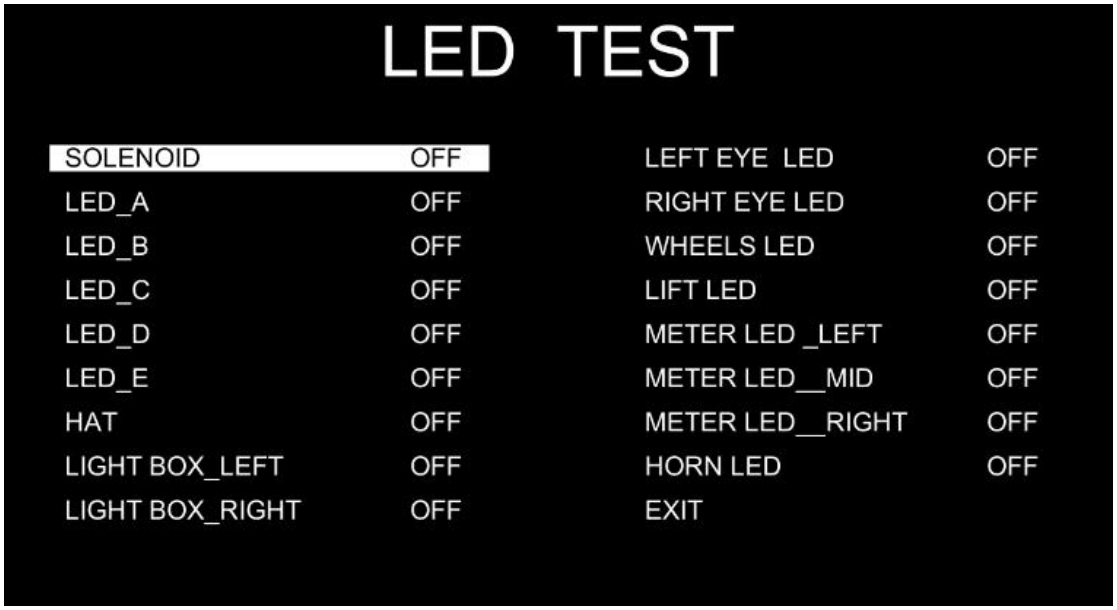
Press the “test”button to enter mode selection



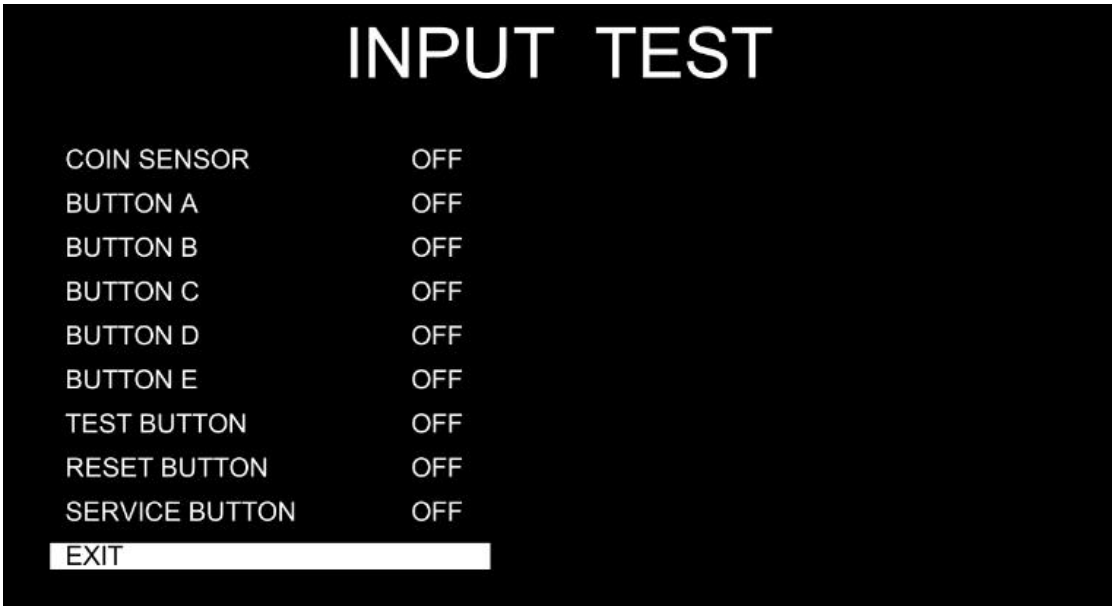

I/O TEST: Test the output, input, motor, sound and screen



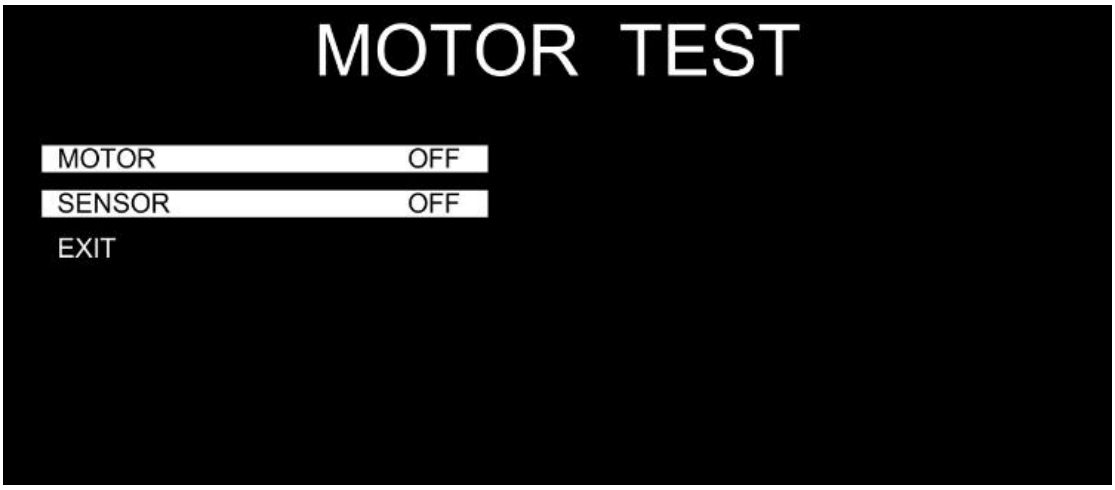
1. Output test (LED test)



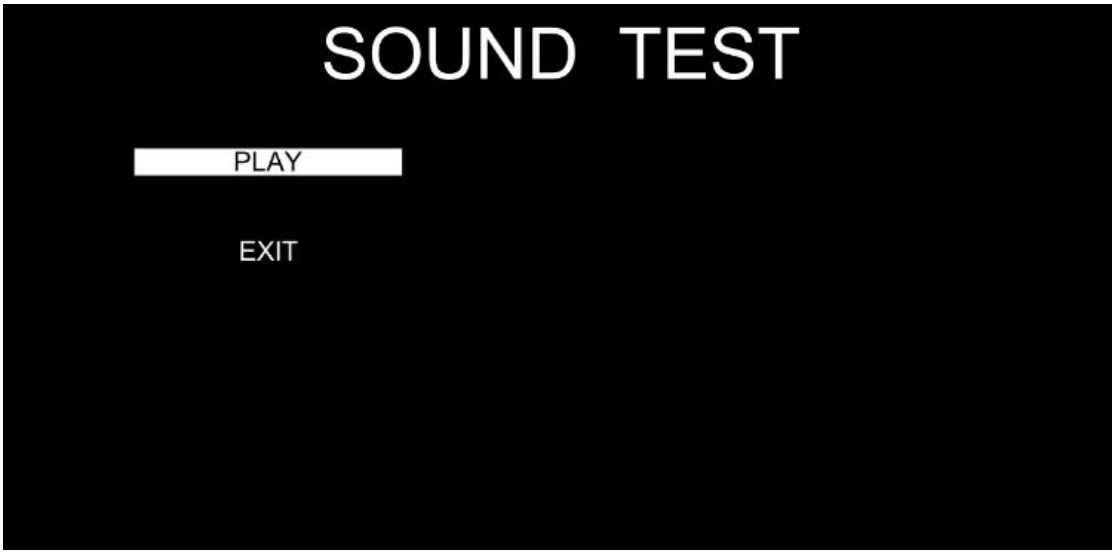

2. Input test



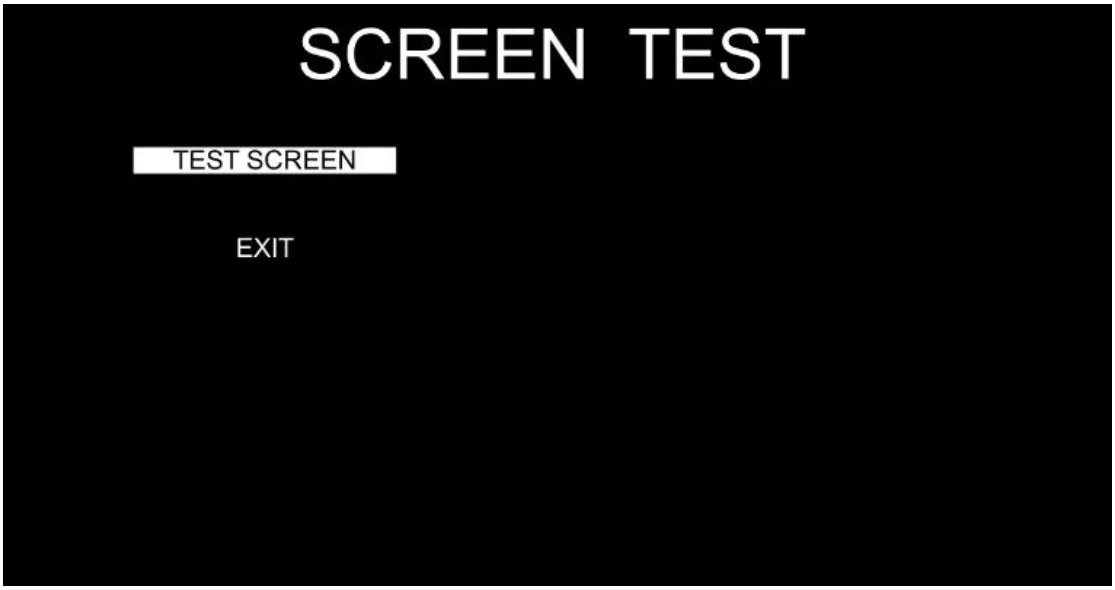

3. Motor test



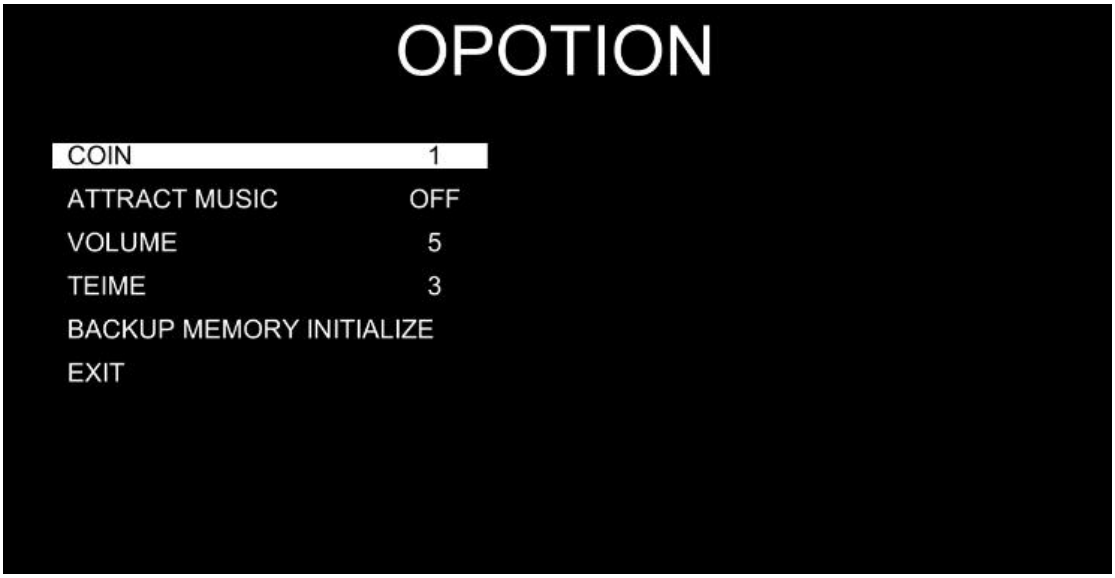
4. Sound test




5. Screen test



**Setting**




**Descriptions:**

Coin：This setting decides how many coins for 1 credit. If set to “1”, it means insert 1 coin for playing 1 game.

Attract music：This setting decides if turn on the music when standby.

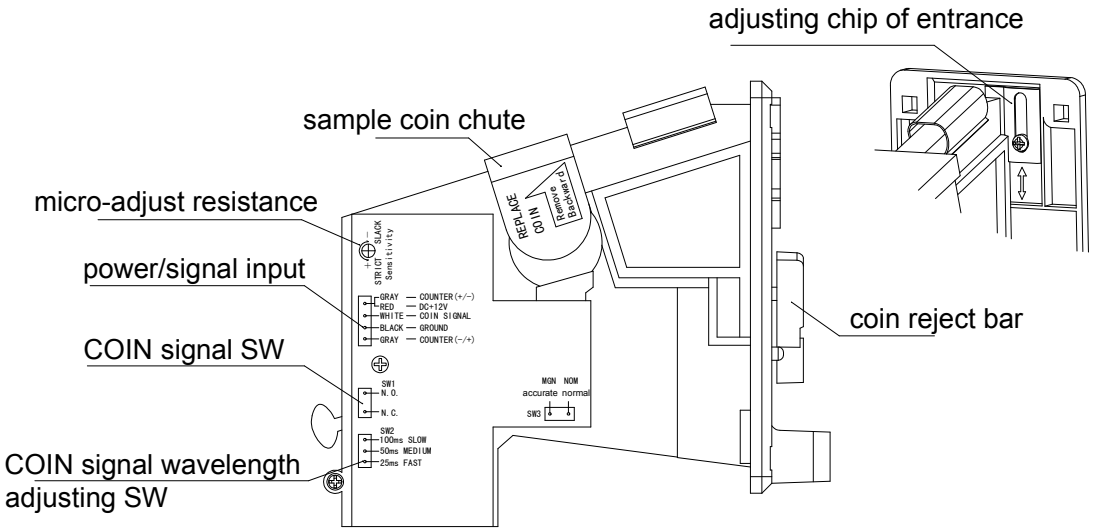
Volume：This is the setting of volume. The maximum is 10.

Time：This setting decides the limit time for one game, if set to “2”, there are 2 minutes for 1 game. The factory setting is 3 minutes.

Exit ：exit setting and back to game mode.

## 9. Adjustment

9.1. Adjust the coin selector




Descriptions:

Step 1: remove the plastic coin from the coin sample chute and put a proper coin in it.

Step 2: remove the screws on the back of coin entrance. Adjust the fix chip of back of coin entrance according to the diameter of coin you will use so that it will prevent the large coin blocking the coin mech.

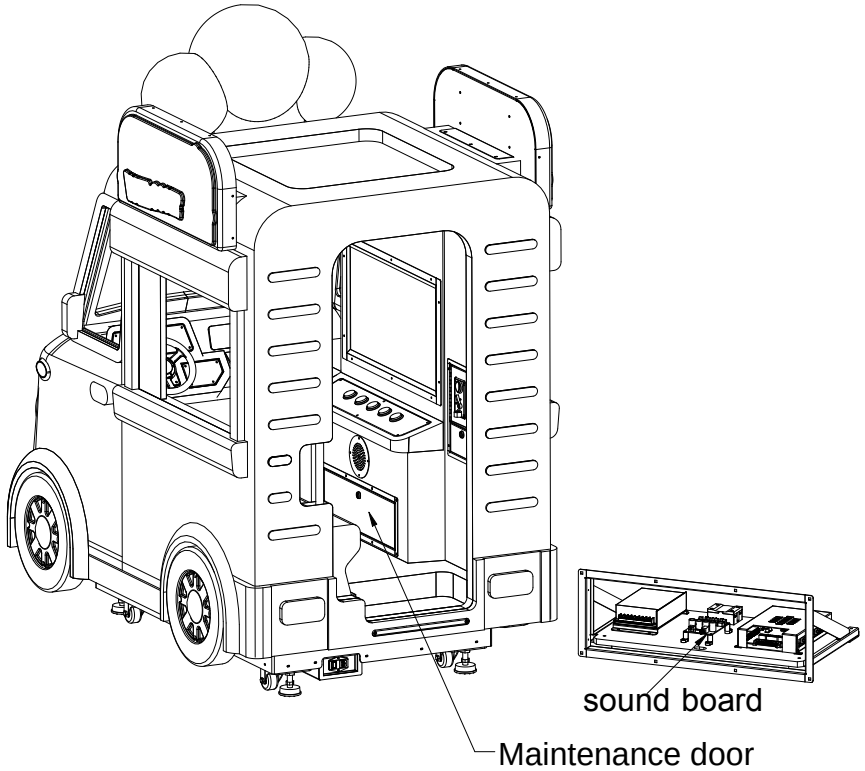
Step 3: set the COIN to “ON”

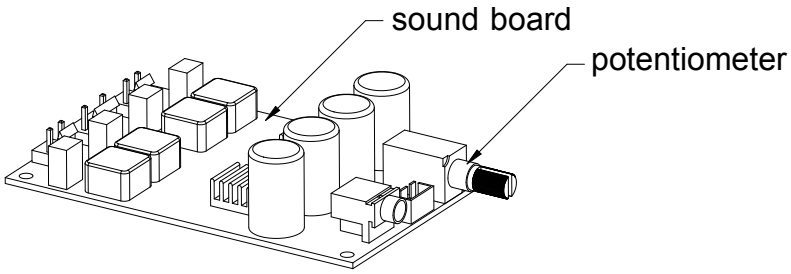
Note: when power on, set this button is for insert coin.

Step 4: set the pulse of COIN signal to “50MS”.

Step 5: following the drawing to adjust the resistance for sensitivity of coin acceptance, turn clockwise for increasing and counterclockwise for decreasing.

9.2 Adjust the volume




1）Open the cabinet backdoor to find out the sound board. Twist the volume potentiometer to adjust the volume level of the machine. Turning clockwise to increase the volume; counterclockwise to decrease the volume.

**Note: Please twist it slowly in case the sudden volume output burn the speaker.**

2）Set up by setting mode (refer to the volume setting of 8.2),select “0，1,2,3,4,5,6,7,8,9,10” to change the volume. The maximum volume is 10.

**The main volume adjustment method of this machine is the second one.**

## 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 |
|---|---|
| Power cord | Check if the power cord is damaged |
| Coin selector | Check whether the coin selector can work proper. |
| Coin meter | Check whether the coin meter can work normally. |
| Button | Check whether the button work normally. |
| Lighting | Check if all lights are on. |
| Sound | Check whether the sound and the volume are ok. |
| Monitor | Check whether the screen and display color is normal. |
| Steering wheel | Check whether the steering wheel is running smoothly and whether the potentiometer is working properly. |
| Motion | Check whether the motion is proper |
| Temperature、humidity | Check if the temperature and humidity is proper |
| Warning signs | Check whether the warning signs are intact and clearly visible |

10.2 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 |