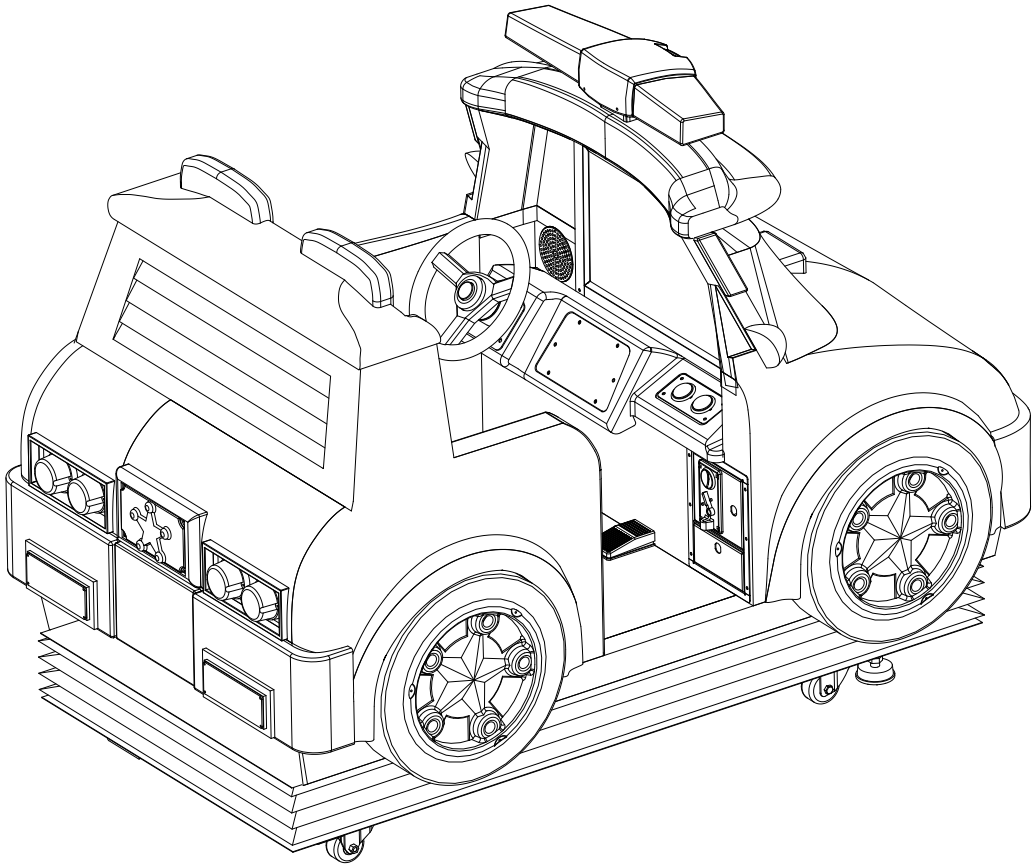

Manual for Poli Car

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www.tecway.com.tw www.mecpower.com.cn

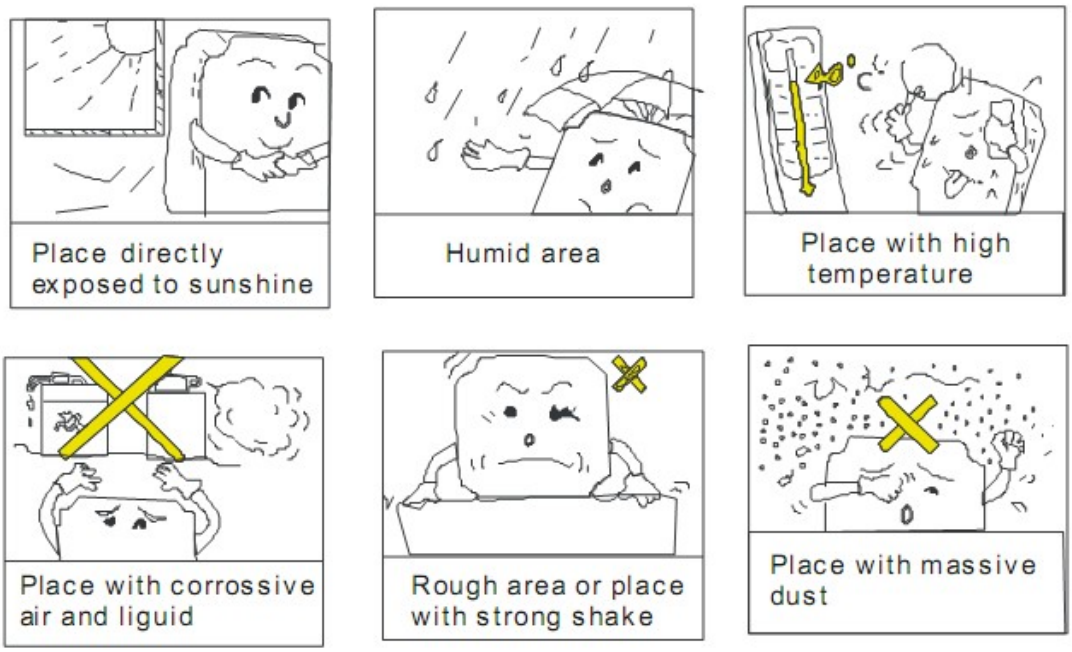
Safety Attentions

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.

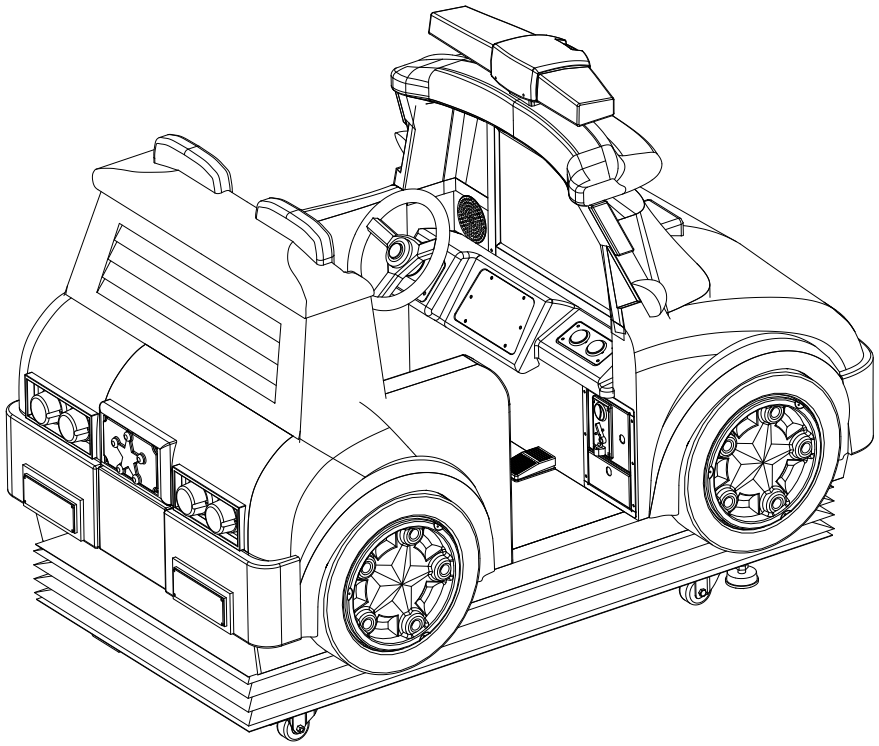
3) Protecting the case when move the game.

GAME INTRODUCTION

Poli Car is a very popular kiddie ride. It was created based on the popular character of the popular cartoon “Poli Robocar”. Its outstanding appearance, unique and exciting design makes itself very popular among the players.

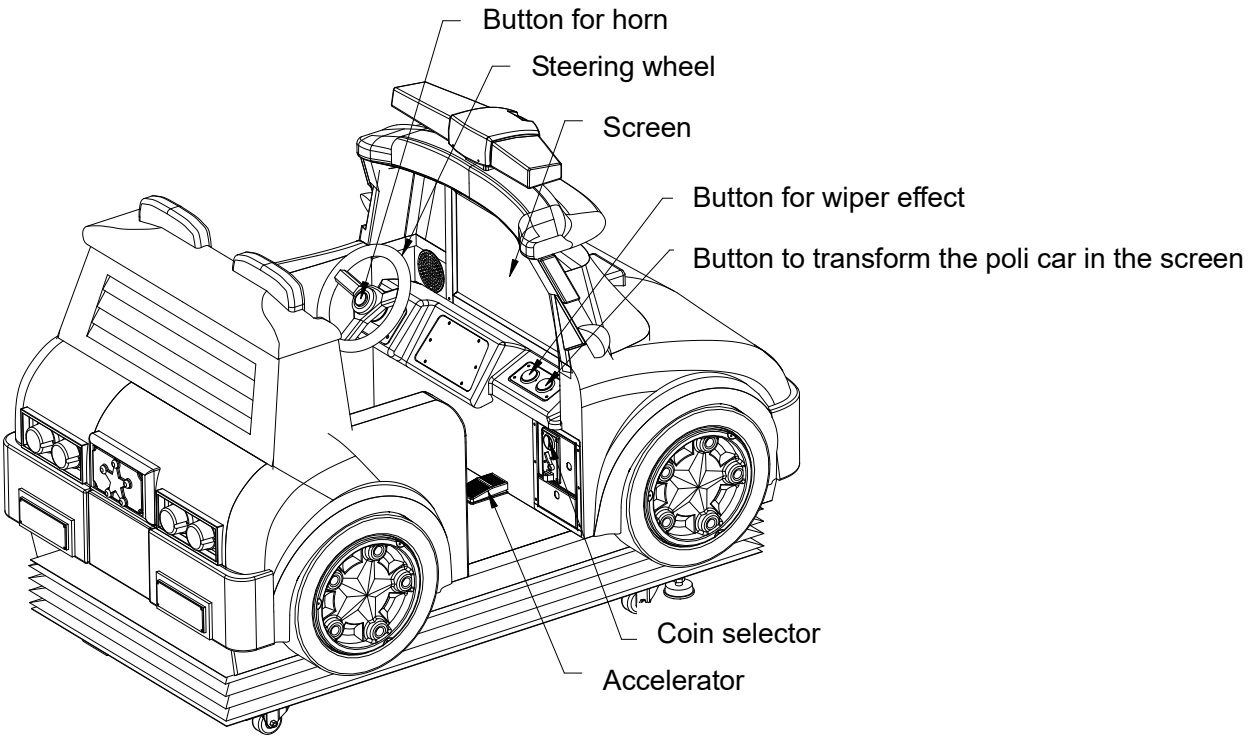
PRODUCT FEATURES

Poli Car’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. Sit Still on the Poli Car, and insert the coins/ tokens, the machine will start to move automatically within a few seconds.
2. Use the Steering wheel to control the direction for the interactive game on the screen, and step on the accelerator to speed up.
3. Press the wiper button to make the wiping effect.
4. Press the transformer button to make the transforming effect.
5. Press the horn to make the sound effect.



TECHNICAL PARAMETER

Voltage: AC 220V/ 110V (50/60Hz)

Max. Current: 1.6A

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

Max. Power: 310W

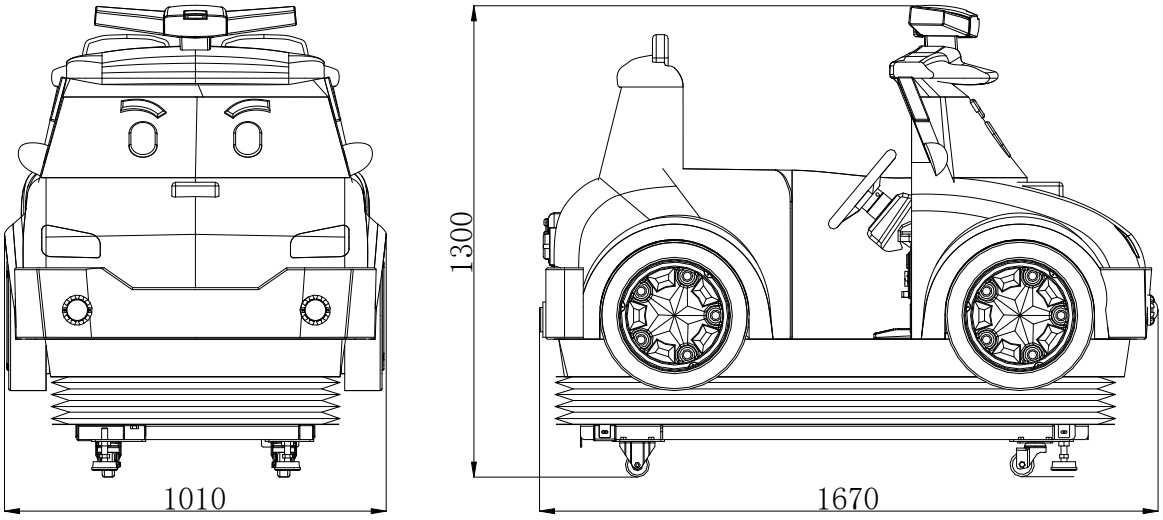
Standby Power: 72W

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

Capacity of Coin Box: Approximately 1600 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：L1670mm*W1010mm*H1300mm

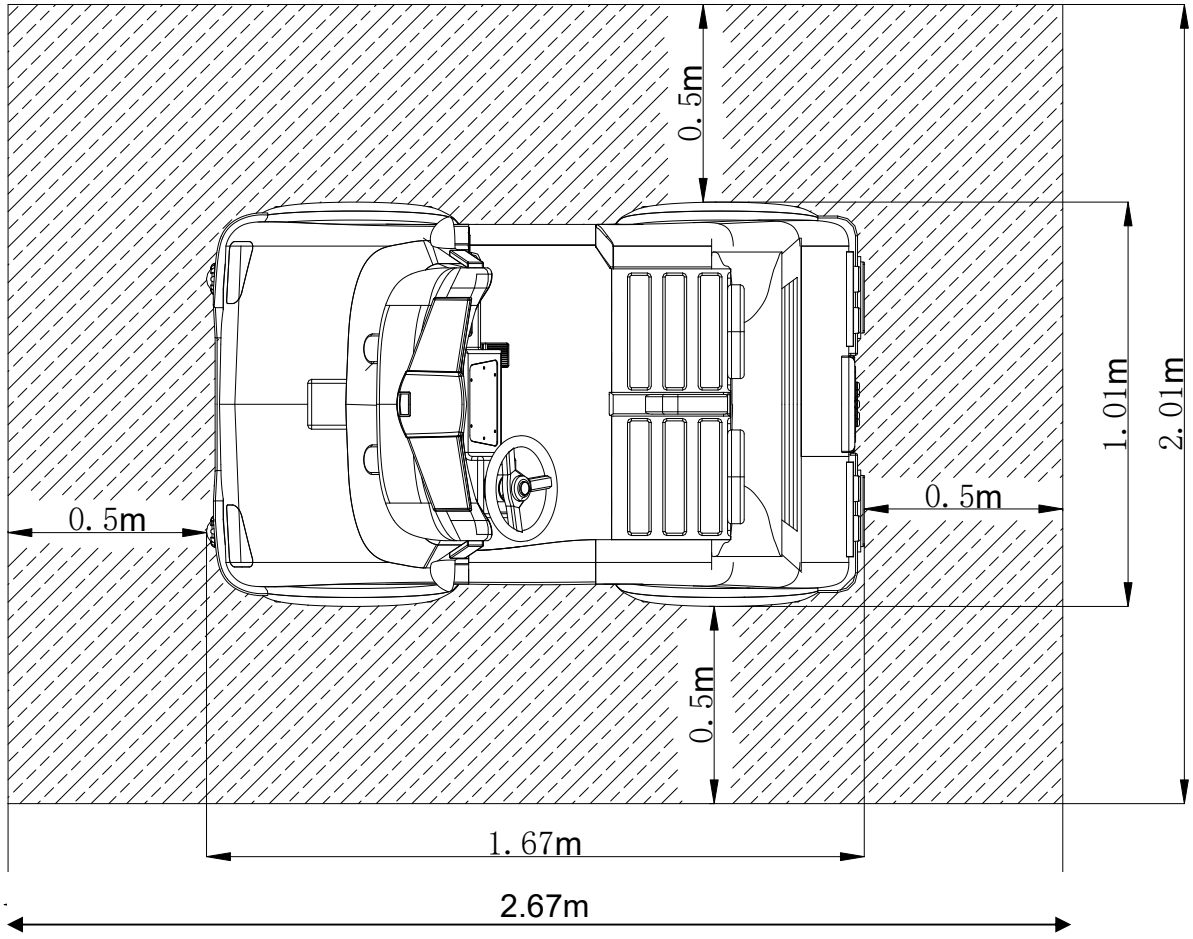


ACCESSORIES

		Item	Note	Quantity
1		LED	White	1
2		LED	White	1
3		Micro Switch		1
4		Micro Switch		1
5		Key	1285#	2
6		Key	1396#	2
7		Powr cable		1
8		Manual		

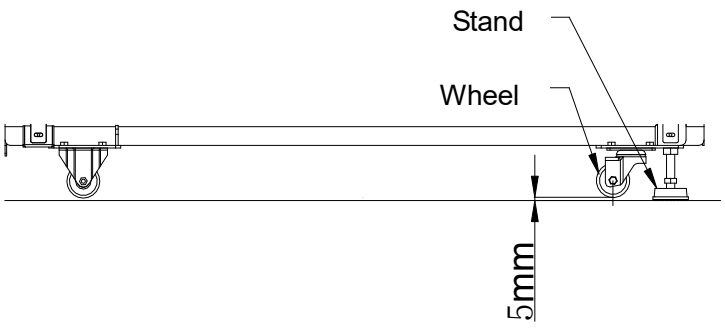
REQUESTED SPACE FOR ISTALATION

The location should have sufficient space for the machine as below graphic:



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.

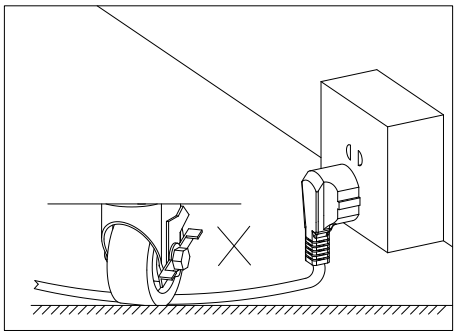


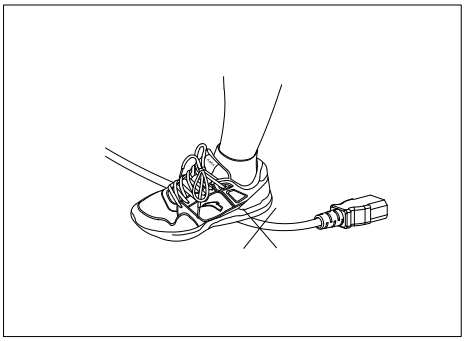
CHECK AND SET BEFORE CONNECTING THE POWER

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.

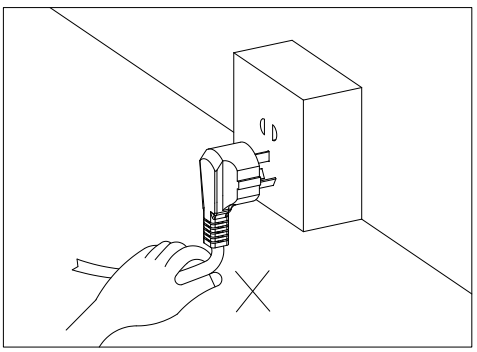
Attention

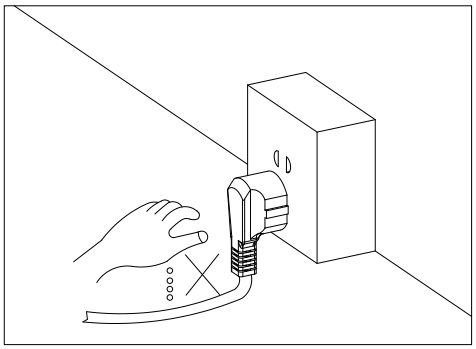
A. Please make sure the power cord is not pressed by wheel, foundation, etc. Otherwise, it will damage the wire to cause short circuit, even fire. Do not use strong power to extend and wring the wires. Do not make the wire be near to the high temperature object. Properly put the wire to avoid any kicking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

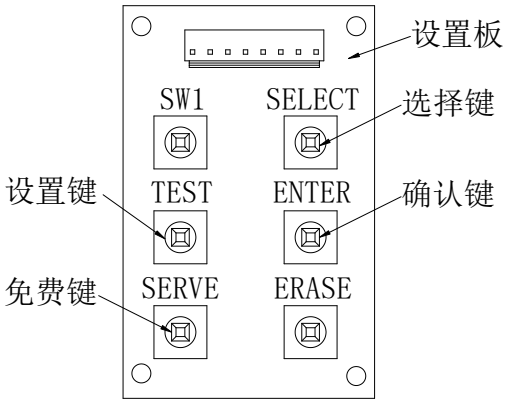
1. Setting Board:

   TEST: Enter into or exit the set item.。

   SERVE: For free play.

   SELECT: Change to select the set items.

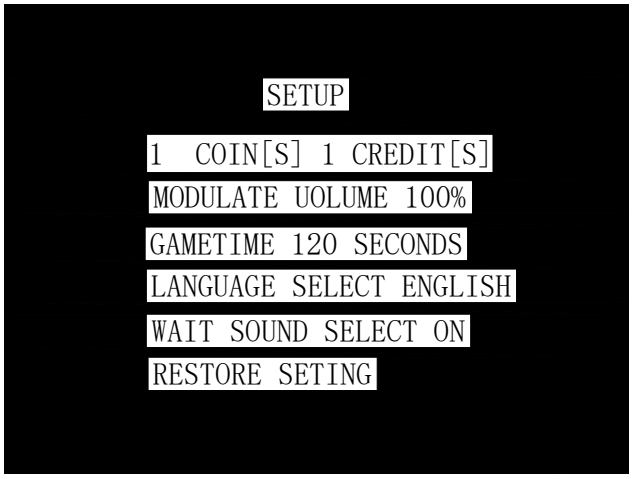
   ENTER: Change the value of selected item.



2. Game Settings:

   Open the coin door to find the setting board.

   Press TEST key to enter into setting menu, press SELECT key to choose the item you would like to set, press ENTER key to change the value of the selected item.



1) _ coin 1 credit: this setting is for setting how many pcs of coins for one game.
2) Game time _ seconds: this setting is for setting the game time per game.
3) Modulate Volume _: this setting is for setting the volume of the game.
4) Language Select _: this setting is for setting the language displayed of the game.
5) Wait Sound Select _: this setting is for setting if enable the sound effect during the

standby mode.

6) Restore Settings: this setting is for setting if reset all the settings to factory setting.

POLI Car Wiring Chart

IO Input

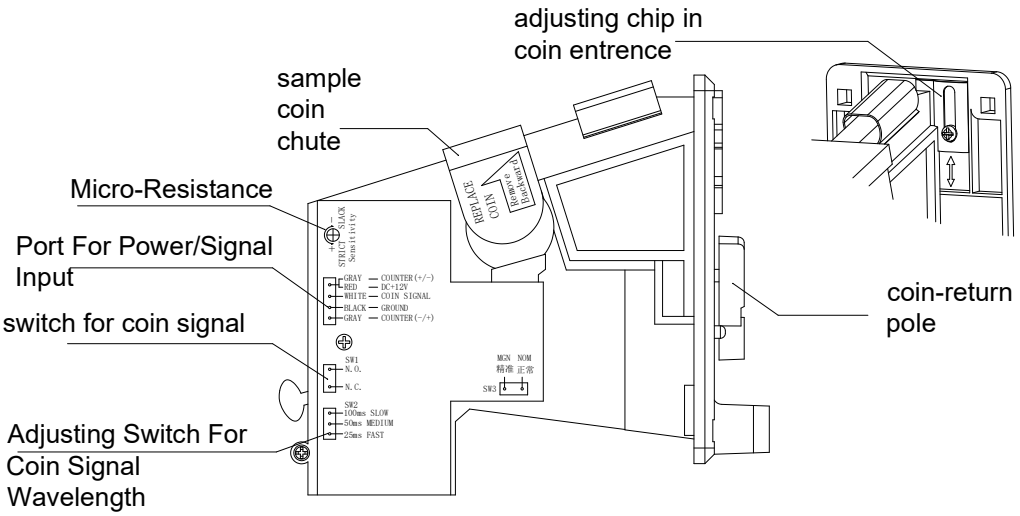
A Side		B Side	
No.	Function	No.	Function
A1	During the game, POLI Car turns left	B1	Feedback when oil gauge pointer at the bottom
A2	During the game, POLI Car turns right	B2	Feedback when oil gauge pointer at the top
A3	During the game, POLI Car open the wiper	B3	Feedback when speedometer pointer at the bottom
A4	During the game, POLI Car turns	B4	Feedback when speedometer pointer at the top
A5	During the game, POLI Car whistles	B5	
A6		B6	
A7	POLI Car throttle	B7	
A8	POLI Car brake	B8	
A9		B9	
A10		B10	
A11		B11	
A12		B12	
A13		B13	

IO Output 1		IO Output 2	
No.	Function	No.	Function
1		1	Swing motor drive
2		2	
3		3	Wiper button lights
4	Back flash lights (both sides of round lights and left lights)	4	Turn button lights
5	Back flash lights (Two round lights at the middle and right light)	5	Oil meter motor turns forward
6	Left front direction light	6	Oil meter motor turns backward
7	Right front direction light	7	Speedometer motor turns forward
8		8	Speedometer motor turns backward
9		9	
10		10	
11		11	
12		12	

Other

Code table/background button		Coin selector	
No.	Function	No.	Function
1		1	
2		2	
3	Coin code table	3	DC (GND) Output
4		4	
5	DC (GND) Output	5	Coin insert
6	Free play button	6	DC (+12V) Output
7	Setting interface--OK		
8	Setting interface--Select		
9	Enter/Exit setting interface		
10	DC (+12V) Output		

ADJUST THE COIN MECH

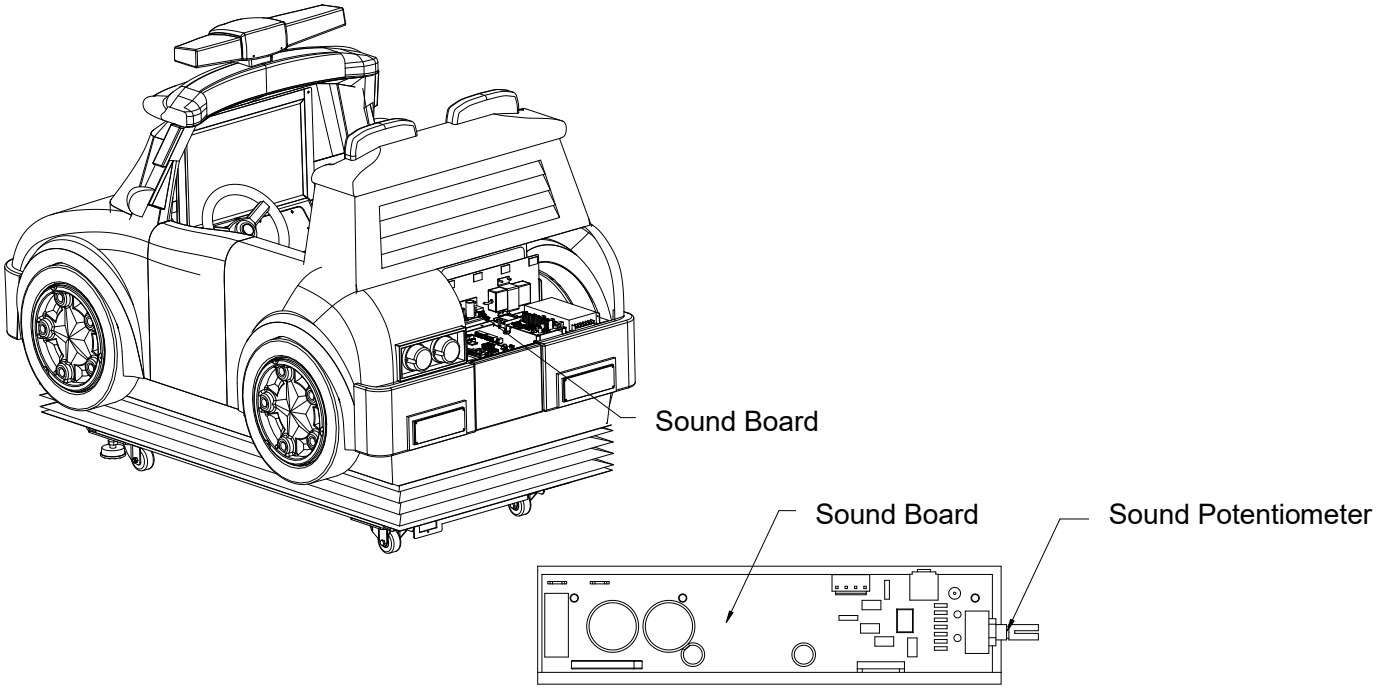


Descriptions:

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.

VOLUME ADJUSTMENT

Adjust the volume by turning the potentiometer on the sound board.



Adjust the volume: Open the coin selector, find out the sound board and adjust the potentiometer with screw driver.

Note: Please adjust the potentiometer slowly and avoid twisting it extremely fast, because it would damage the speaker by a sudden increase on current output.

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.

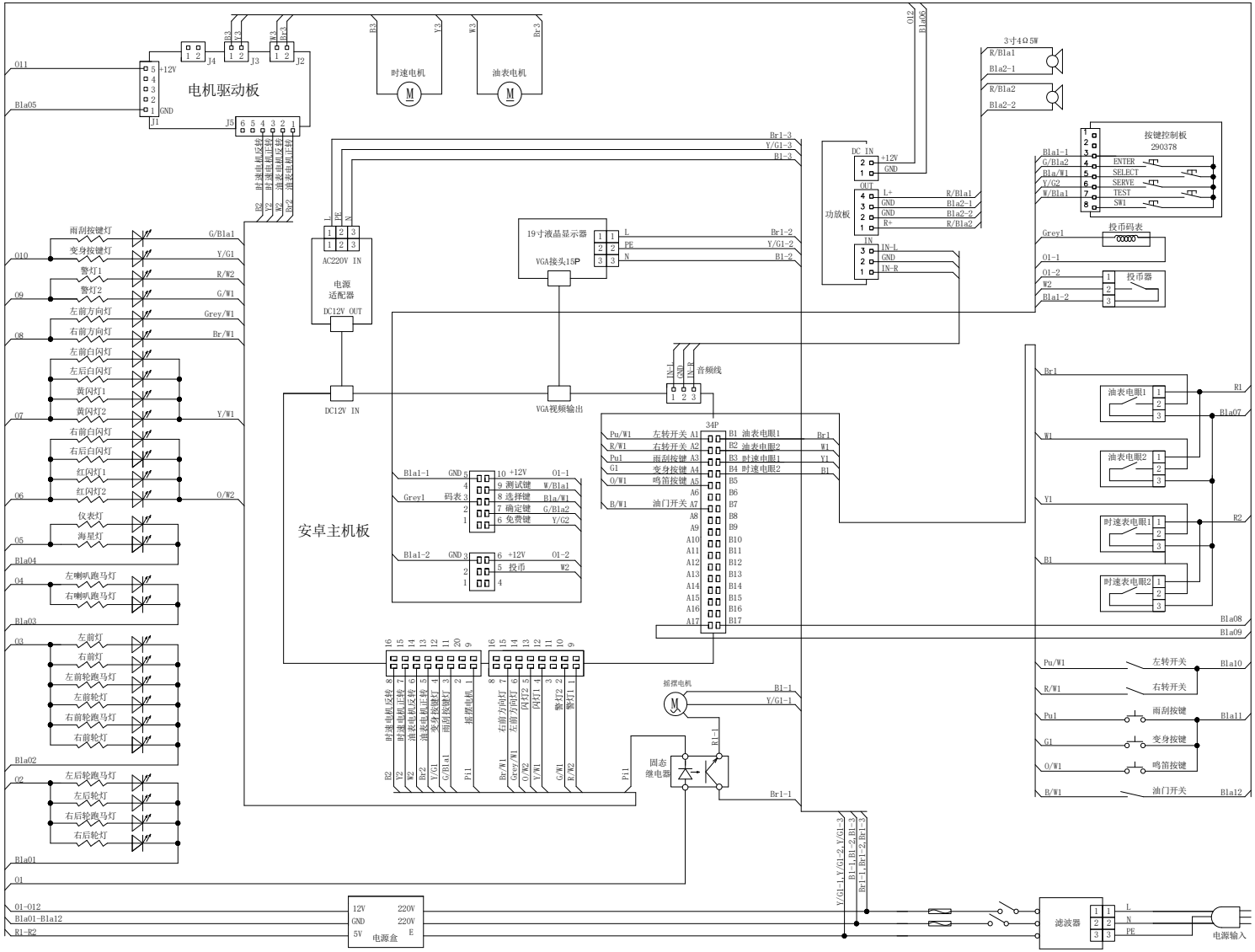
1. Daily Check

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.

SCHEMATIC DIAGRAM