

# FIRE RESCUE



## Operation Manual



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Non-technical personnel who do not have technical knowledge and Expertise should refrain from performing such work that this manual require or perform tasks which are not explained in this manual. Failing to comply can cause severe accidents such as electric shock or other serious injuries. All repairs must be performed to original manufacturer specifications.

**WARNING:** To reduce the risk of fire, electric shock or personal injury, unplug or disconnect the machine from the power supply before servicing.

Thank you for purchasing **FIRE RESCUE** from Universal Space. We hope you enjoy the product.

This manual contains valuable information about how to operate and maintain your game machine properly and safely. It is intended for the owner and/or personnel in charge of product operation. Carefully read and understand the instructions.

If you need any help during installation and setup please utilize this manual and troubleshooting guide. If the product fails to function properly, *non-technical personnel should under no circumstance attempt to service the machine*. Contact your distributor or manufacturer for help.

Before use, please read **IMPORTANT SAFETY INSTRUCTIONS**.

## **IMPORTANT SAFETY INSTRUCTIONS**

**To ensure the safe usage of this product, carefully read and understand these instructions before operating your game.**

**Save these instructions for future reference.**

Use this product only as described in this manual. Other uses not recommended may cause fire, electric shock or personal injury. Unplug the game from the outlet when not in use, when moving from one location to another, and before cleaning/servicing.

Explanations which require special attention are indicated by signs of warning. Depending on the potential hazardous degree, the terms: **NOTE**, **NOTICE**, and **WARNING** are used.

**NOTE:** A NOTE indicates useful hints or information about product usage.

**NOTICE:** A NOTICE indicates potential damage to product and how to avoid the problem.

**WARNING:** A WARNING indicates a potential for product damage or serious personal injury.

It is important to understand the meaning of the following HAZARD SIGNS before continuing:

### **High Voltage and Shock Hazard:**

High voltage can cause electric shock.  
Turn off/unplug power before servicing.



### **High Temperature Hazard:**

This part may cause scalding.  
Do not touch. Surface may be hot.



### **No Touching Hazard:**

This part may be hot or can cause electric shock.  
Do not touch.



Use the following safety guidelines to help ensure your own personal

safety and to help protect your equipment and surrounding environment from potential damage.



**This product is an indoor game machine. Do not install outdoors.**

Avoid installing in the following places to prevent fire, electric shock, injury and/or machine malfunctioning:

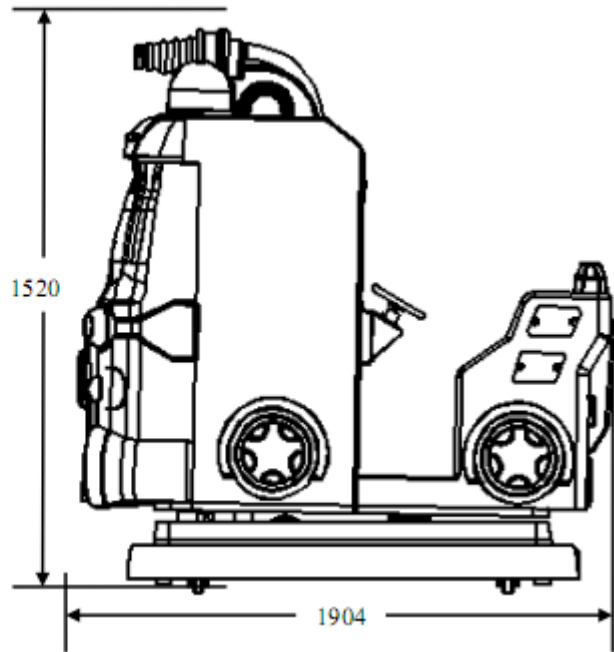
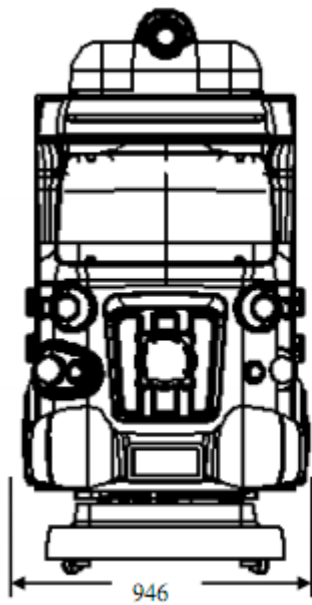
- Places subject to rain/moisture, or places subject to high humidity.
- Places subject to direct sunlight, or places subject to extremely hot or cold temperatures to ensure that it is used within the specified operating range.
- Places where inflammable gas may be present or in the vicinity of highly inflammable/volatile chemicals or items that can easily catch fire
- On unstable or sloped surfaces. The machine may topple or cause unforeseen accidents.
- Vicinity of fire exits, fire extinguishers etc that may block/prevent safety measures

**IMPORTANT NOTE:**

**ALL REPAIRS MUST BE DONE TO ORIGINAL MANUFACTURER SPECIFICATIONS.  
FAILURE TO DO SO VOID ALL WARRANTIES AND OPERATOR ASSUMES ALL  
RISKS.**

Note: The contents of this manual may be updated without notice.

# 1. SPECIFICATIONS



Rated power supply: **AC220-240V, AC110V 50/60Hz**


Min. Power consumption: **100W**

Max. Power consumption: **320W**


Dimensions: **W1904×D946×H1520(mm)**

Weight: **Approximately 190kg**

Load weight: **150kg**

 **NOTICE:** After turning off the game, please wait at least 1 minute before restarting again.






**Note:** Game parameters are subject to change without notice.

 **NOTICE:** After turning off the game, please wait at least 1 minute before restarting again.

## 2. PACKAGE CONTENTS

Open the package and make sure all the items are included:

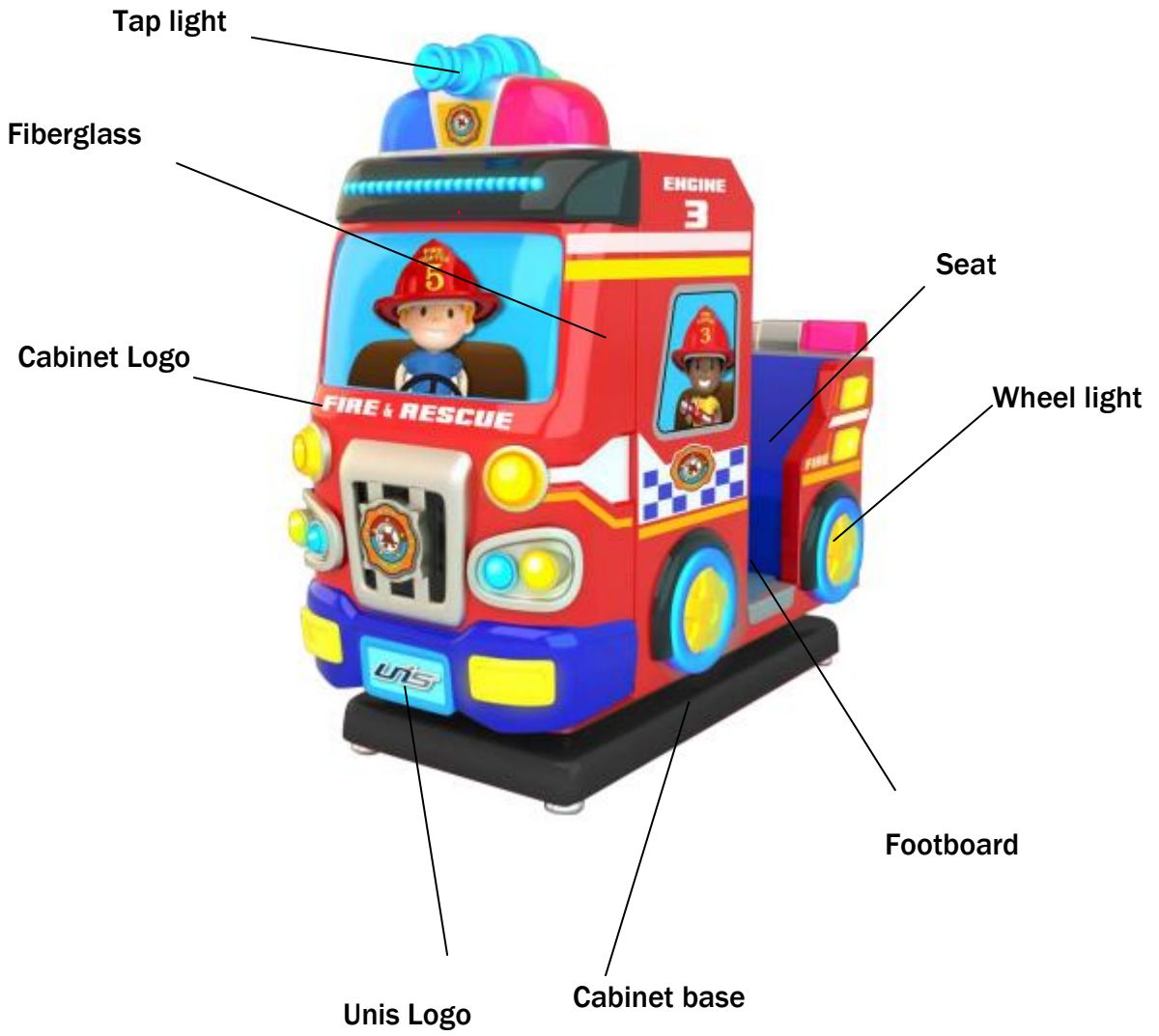
- 1 x Body Assembly
- Following accessories

No.	Part No.	Name	SPEC.	Illustration	Qty
1	F143-101-000	Key	AH57		2
2	F143-102-000	Key	AH78		1
3	F143-401-000	Power cord	1.5M		1
4	F143-801-000	Manual	A4		1
5	F143-402-000	Fuse	$\Phi 5 \times 20 \text{mm}$ T6.3A		1
6	F143-403-000	Sensor			1

If any items are found to be missing, please contact your sales representative for help immediately.

**NOTE:** Part models are subject to change without notice.

### 3. PART NAME



## 4. SET UP & INSTALLATION

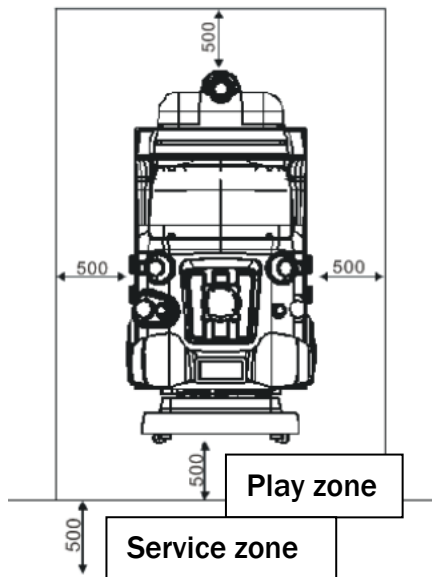
**⚠ This product is an indoor game machine. Do not install outdoors.**

- Refer to IMPORTANT SAFETY INSTRUCTIONS (Pg. 2) for places to avoid
- Place the unit on a dry level surface
- Ventilation openings in the back of the unit must not be obstructed by objects or by wall.

### 4.1 Play Zone

This machine requires space for playing and for maintenance as shown below.

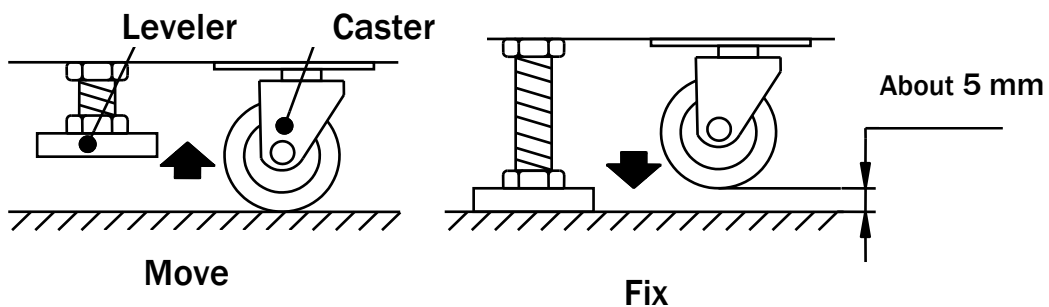
Leave space around the game upon installation:



### 4.2 Level Adjustment

Install this machine on a flat surface. Adjust levers to lift casters off the ground to level the game. If the game is installed on an unsuitable floor, it could cause game malfunction.

To secure the game, adjust the Leveler down until it touches the floor, lifting the casters off the ground by 5mm. Repeat the same for all levelers.



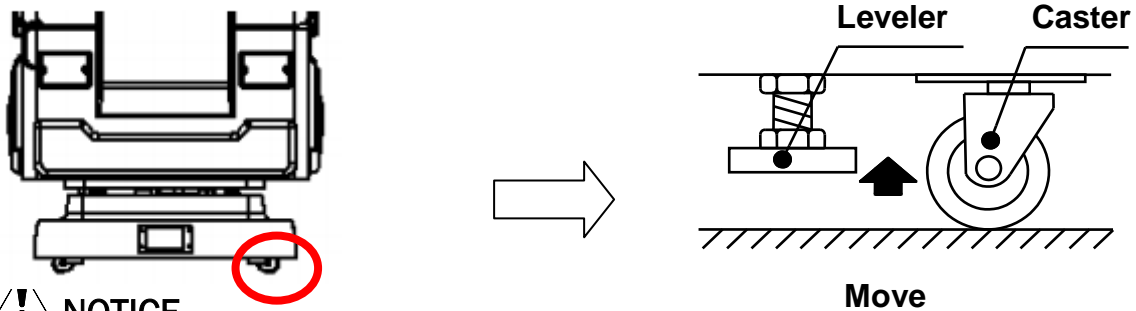
#### **NOTICE**

Make sure the machine is level with the ground and all the adjustable legs should stick to the floor closely.



### 4.3 Transporting the Game

If you need to move the game, adjust the levelers back to an “up” position so the casters touch the ground.



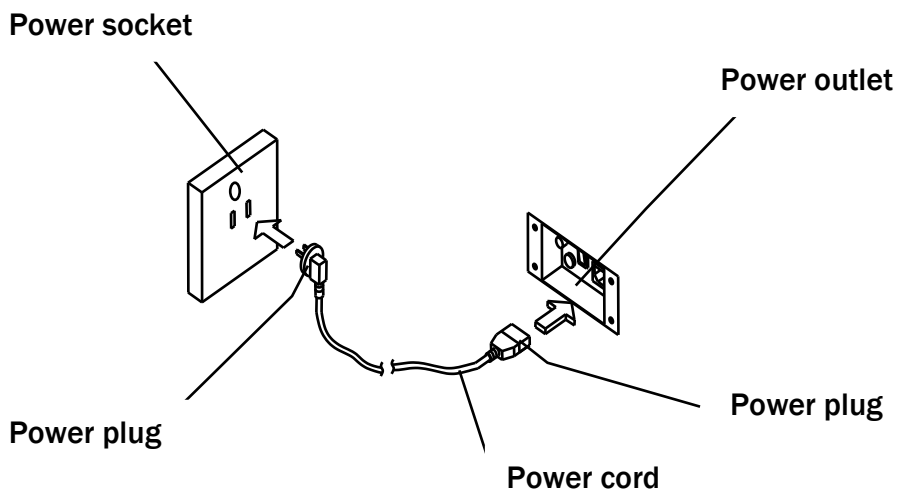
**NOTICE**

- Be careful not to damage the machine during transport.
- The machine should be handled with care when bringing it down from a higher level.
- Always unplug the game before moving.
- Keep the machine in upright position during transport.
- For longer distance transport, package the game properly to prevent damages

### 4.4 Connecting Power

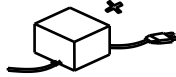
**WARNING:** Check the voltage rating before you connect the equipment to an electrical outlet to ensure that the required voltage and frequency match the available power source. Please refer the label of the machine.

- Do not plug the equipment power cables into an electrical outlet if the power cable is damaged.
- Avoid putting many loads on one electrical outlet as it could generate heat and fire resulting from overload.
- Connect the grounding conductor to the earth terminal (GND):

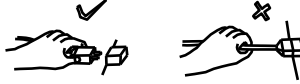


 **WARNING**

Ensure no heavy objects rest on the power cord. Check to make sure the game cabinet does not sit on the power cord as this could damage the cord and become hazardous.



To disconnect the game, grip the plug and pull it from the wall outlet. Never pull by the cord.



To prevent electric shock, do not touch the power plug when hand is wet.

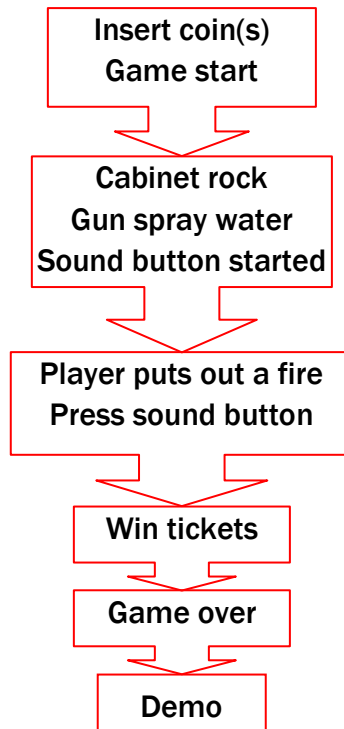


Ensure that nothing rests on the power cord and that it is not located where it can be stepped on or tripped over.



## 5. HOW TO PLAY

### 5.1 Game Operation



### 5.2 How To Play

Shoot these 5 targets when the light is up.



## 6. MAINTENANCE & INSPECTION

### 6.1 Safety Check

Check the points listed before operating the machine. These checks are necessary for safe machine operation:

1. Try to run the game before operation each day.
2. Conduct monthly routine checks of game components ensure good working condition
3. Check the machine regularly for dust and clean when necessary.

**Note:** Parts and components require preventative maintenance to be kept running smoothly

### 6.2 Handling Precautions

When installing or inspecting the machine, be very careful of the following points and pay attention to ensure that the player can enjoy the game safely.

Non-compliance with the following points or inappropriate handling running counter to the cautionary matters herein stated can cause personal injury or damage to the machine



#### WARNING

- Before servicing the machine, be sure to turn power off. Servicing without turning the power off can cause electric shock or short circuit.
- To avoid electric shock or short circuit, do not plug then unplug the power quickly
- Do not expose power cords and earth wires, these are susceptible to damage.
- Damaged cords and wires can cause electric shock or short circuit and should be replaced immediately.
- When or after installing the product, avoid pulling the power cord to prevent unnecessary wear and tear. Use the power button to disconnect power.
- In case the power cord is damaged, ask for replacement through where the product was purchased from or replace locally. Continued usage of damaged cord can cause fire, electric shock or leakage.
- Perform grounding appropriately. Inappropriate grounding can cause electric shock.
- Use fuses that meet specified rating. Fuses exceeding can cause an electric shock.
- Should a problem occur, turn off the power immediately and stop operating the machine. Unplug the power cord of the service outlet. Operating the machine without correcting the problem may cause a fire or injuries.
- Insert the power plug securely into the outlet. Poor contact may cause overheating, resulting in fire or burns.
- To ensure the warning labels attached on the machine are visible and legible, install the machine in a well-lit location, and keep the labels clean at all times. Make sure the labels are not hidden behind other game machines.

## 7. TROUBLE SHOOTING

**Problem 1:** The machine without respond when power on.

**Solution:** A. Check the machine external power supply is normal.

B. Check the power SW is "NO" status.

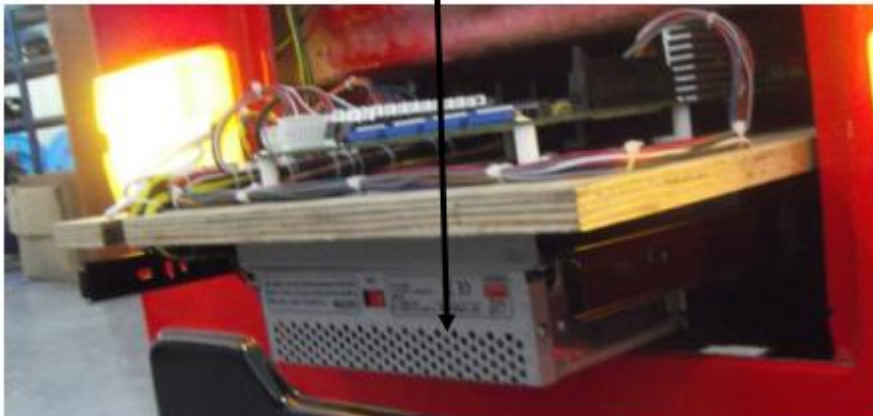
C. Check if the fuse blown out.

Counterclockwise spin out the fuse to check if it blown out.



D. Check the power or power wirings is normal.

Check the power or power wirings is normal.



**Problem 2:** The machine without rocking when the machine is running.

**Solution:** A. Check if the frequency converter burn out and change new inverter.

B. Check if the motor burn out and change new motor.



Frequency converter



Motor

**Problem 3: The machine without response when inserted coin(s).**

**Solution: A. Check the coin mech. and cables are normal.**

**B. Insert coin(s), check the coin meter is normal, then check the main board is normal.**

**C. Change new coin mech.**



Check the coin mech. and cables are normal.



Check the coin meter is normal

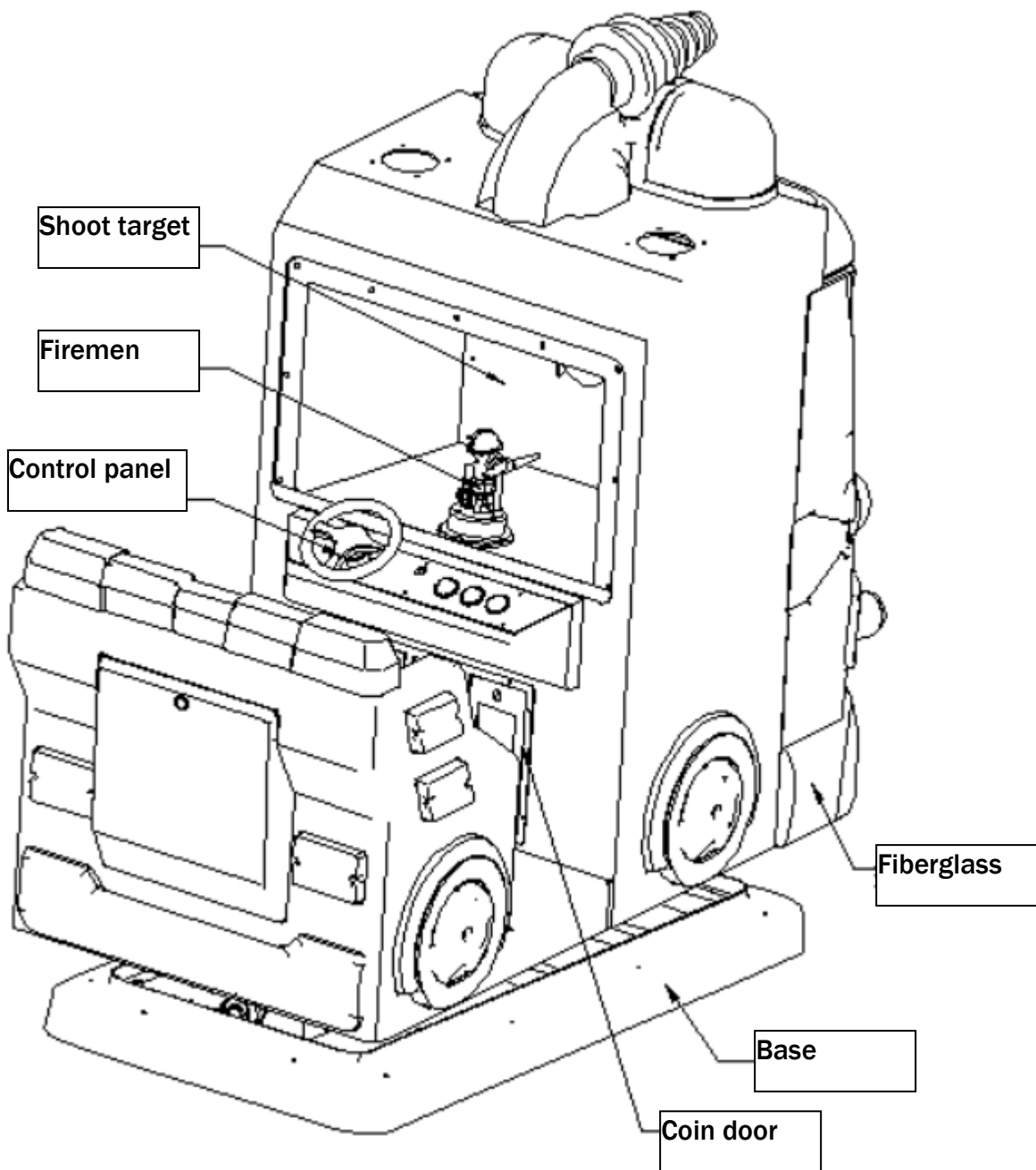
Adjust volume

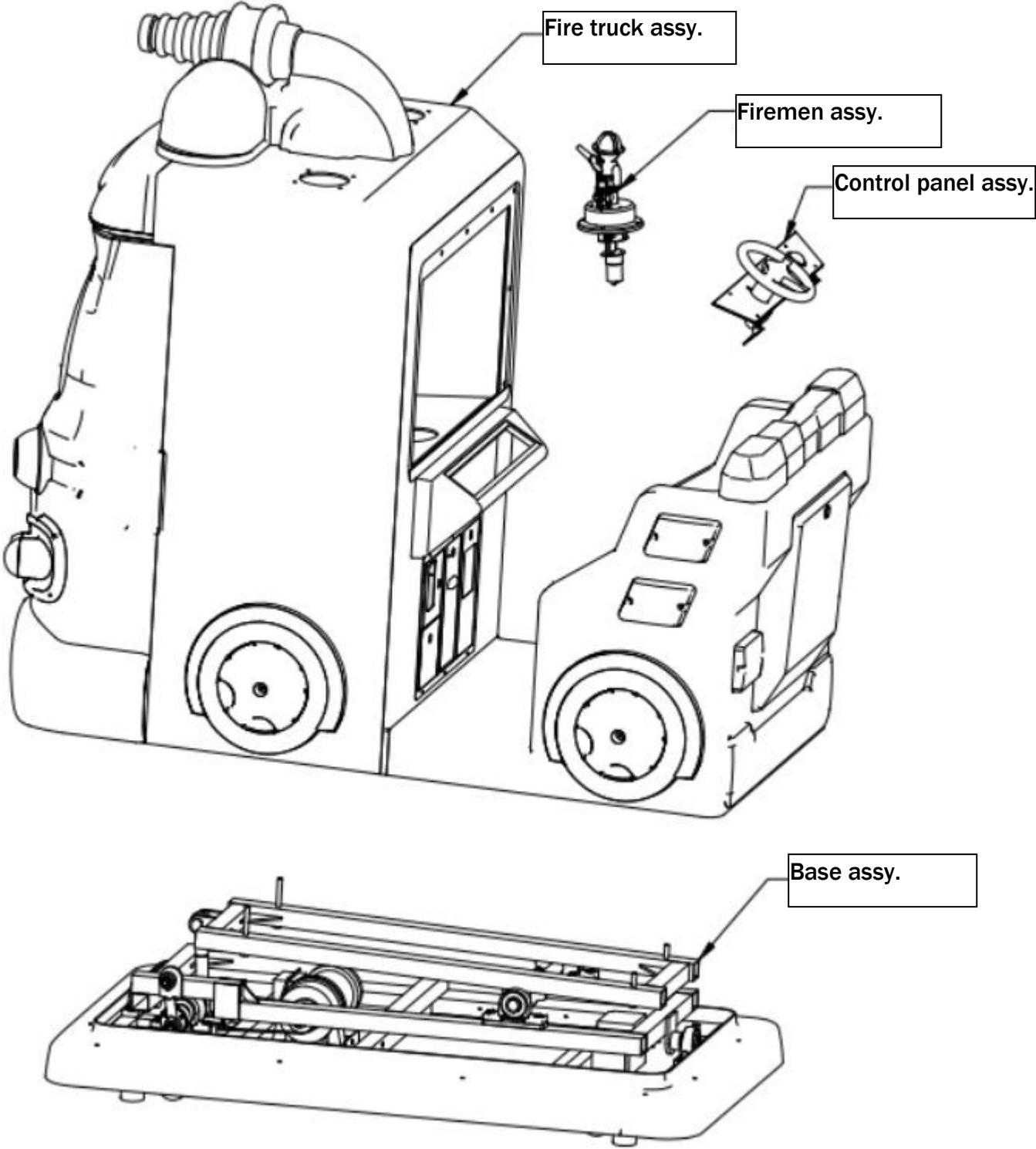
Reset

Service

## 8. OVERALL CONSTRUCTION

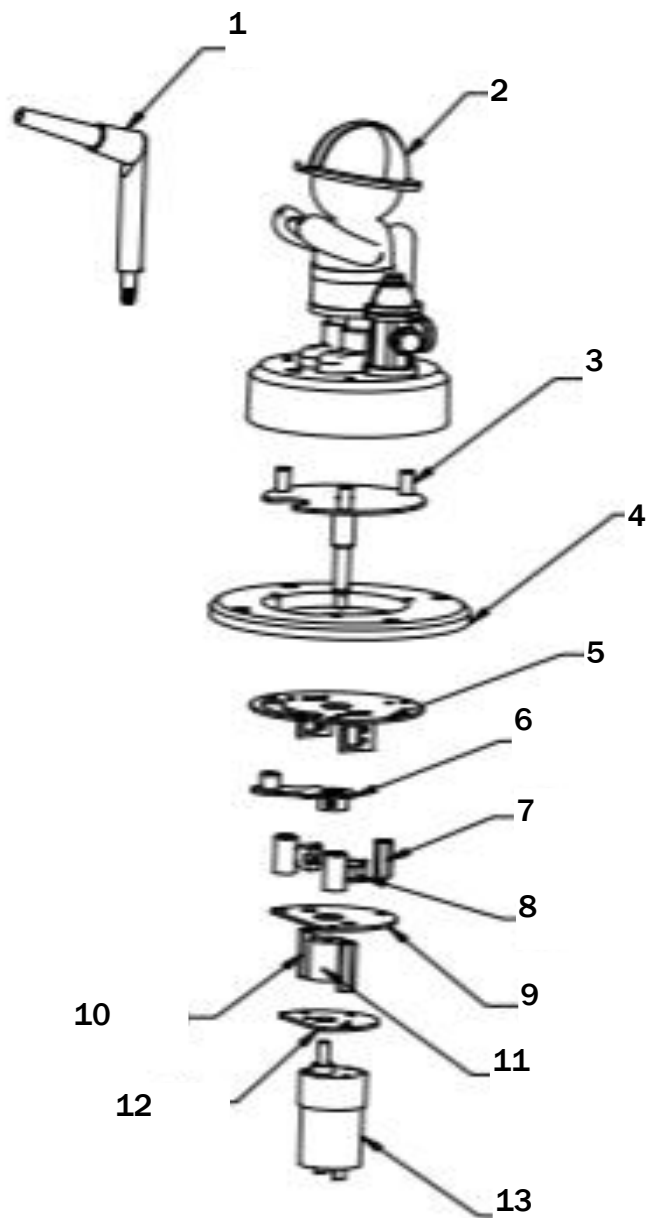
### 8.1 General assembly





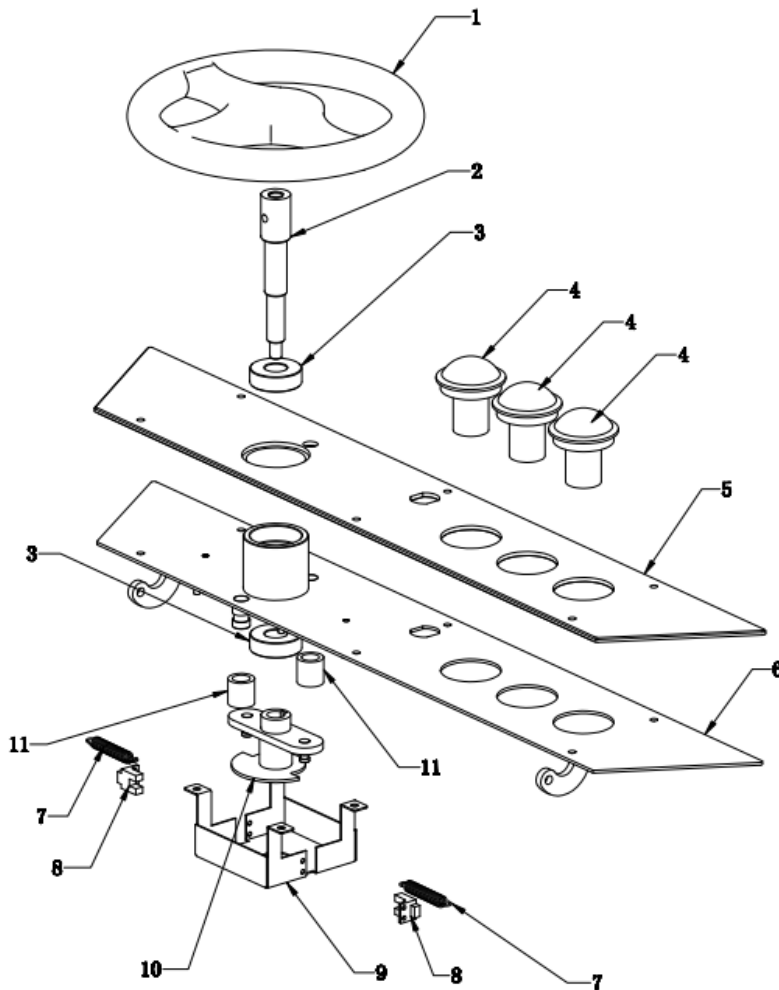


## 8.2 Firemen assembly



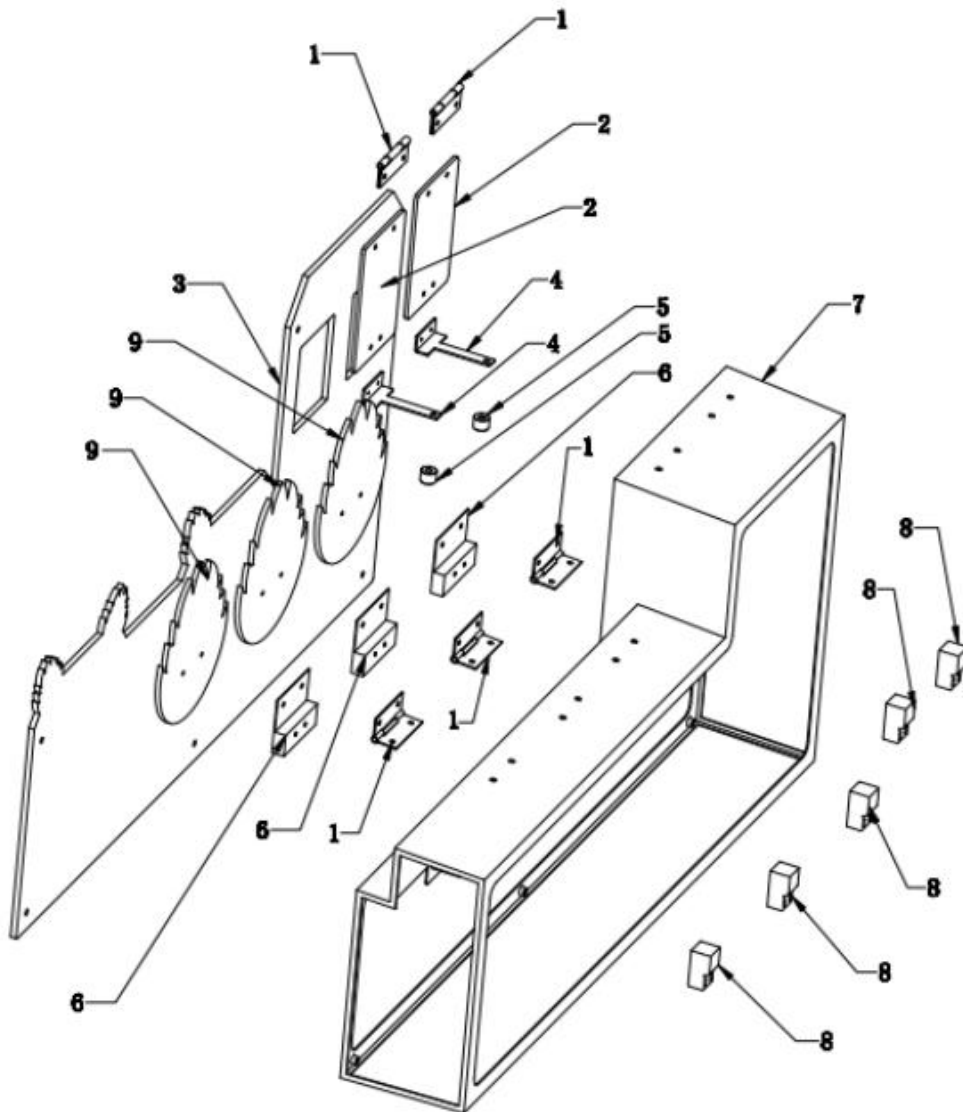
<b>No.</b>	<b>Part No.</b>	<b>Name</b>	<b>Material</b>	<b>Qty.</b>
1	F143-103-000	Water gun	Stainless steel	1
2	F143-601-000	Firemen	Plastic	1
3	F143-104-000	Doll Br.	Stainless steel	1
4	F143-602-000	Decorative bracket	Blue POM	1
5	F143-105-000	Up fixed plate	Stainless steel	1
6	F143-106-000	Optical coupler block	Stainless steel	1
7	F143-107-000	Up support		3
8	F143-404-000	Sensor		2
9	F143-108-000	Middle fixed plate	Stainless steel	1
10	F143-109-000	Bottom support post		2
11	F143-405-000	Coupling		1
12	F143-110-000	Bottom fixed plate	Stainless steel	1
13	F143-406-000	Motor		1

### 8.3 Control Panel Assembly



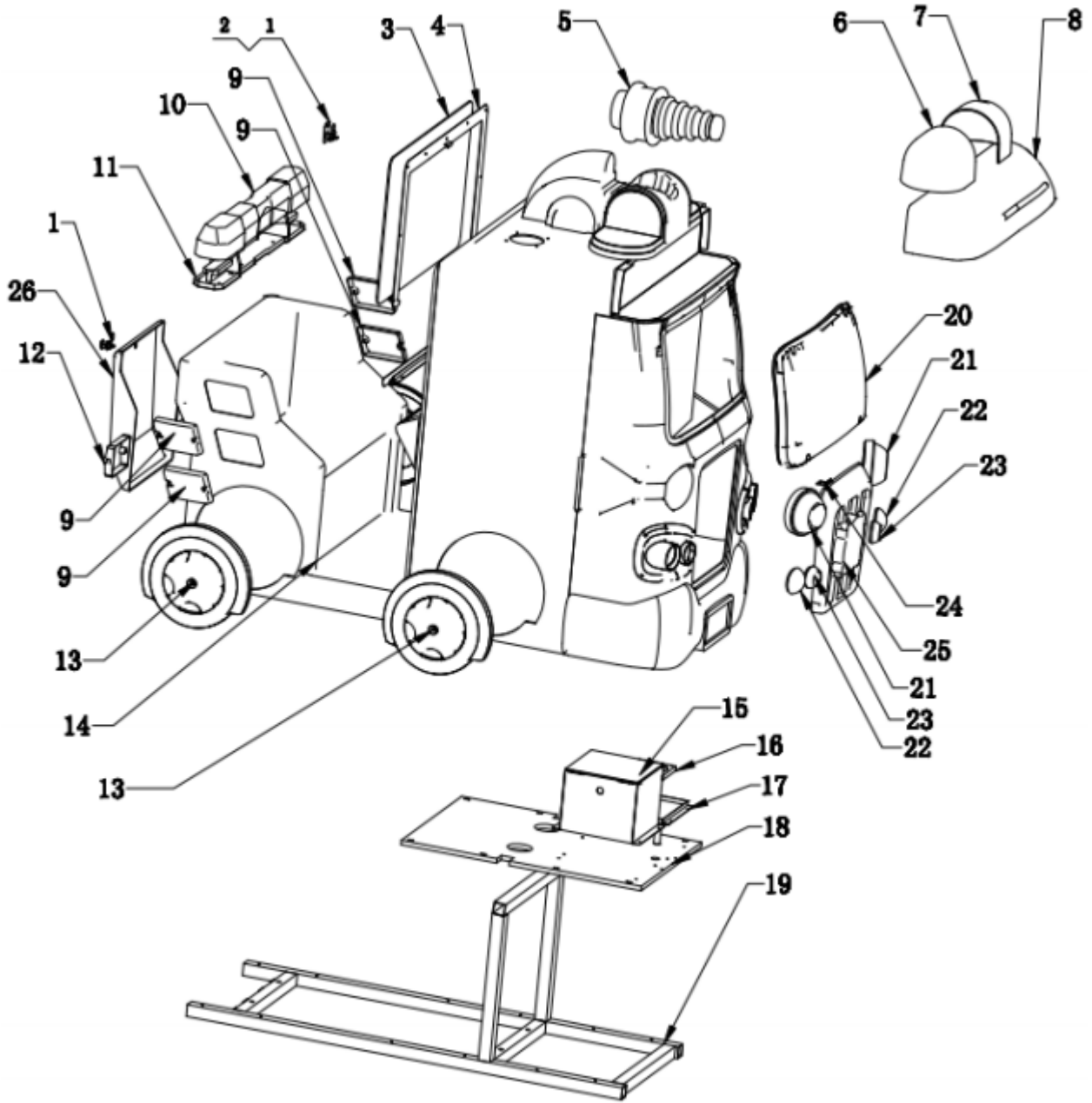
No.	Part No.	Name	Material	Qty.
1	F143-111-000	Steering wheel		1
2	F143-112-000	Steering wheel shaft		1
3	F143-113-000	BR.626		2
4	F143-114-000	Button		3
5	F143-115-000	Control panel plastic	Plastic	1
6	F143-116-000	Control panel metal	Q235	1
7	F143-117-000	Spring		1
8	F143-118-000	Sensor		2
9	F143-119-000	Sensor bracket		1
10	F143-120-000	Rest wheel		1
11	F143-121-000	Stop collar		2

## 8.4 Game Panel Assembly



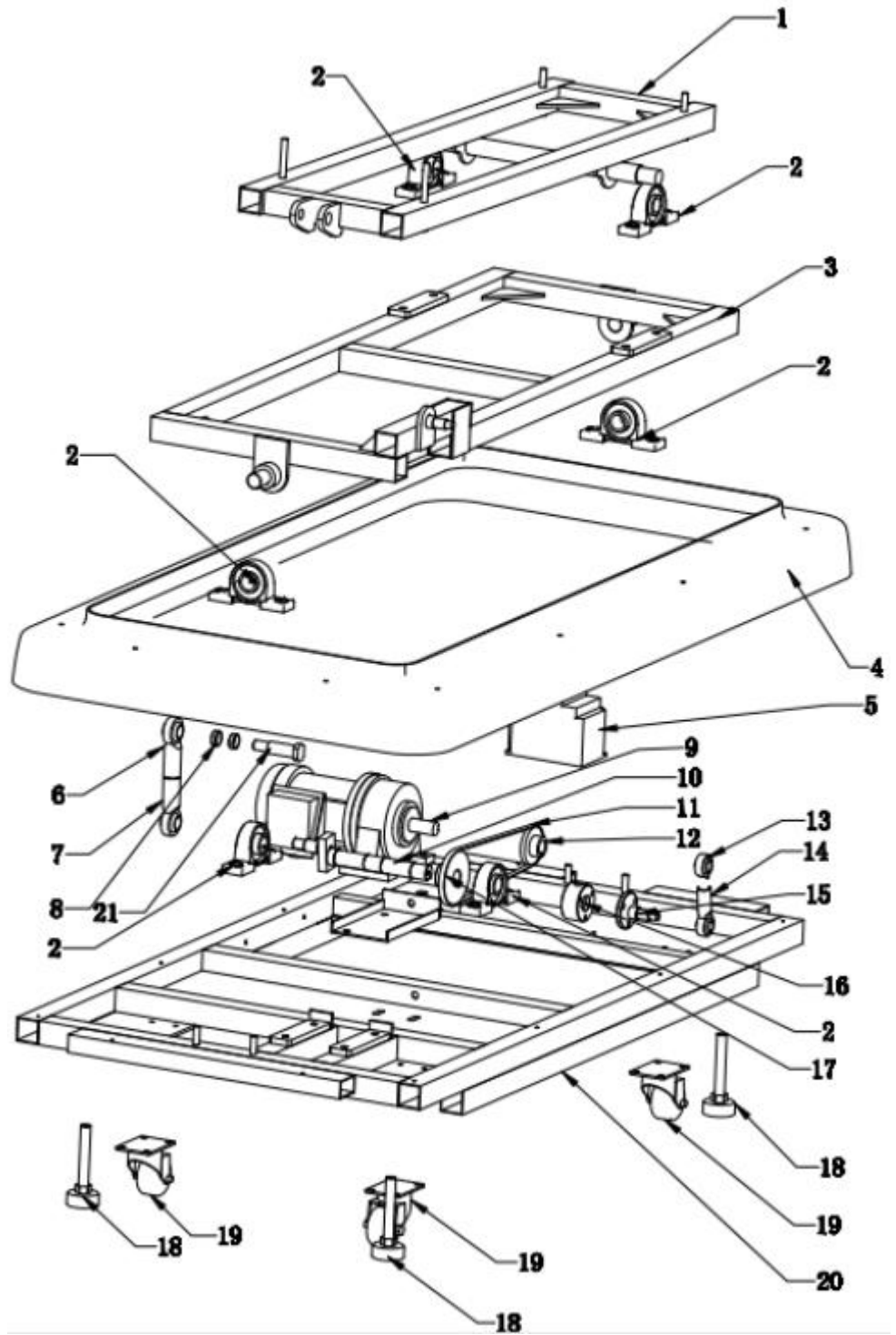
No.	Part No.	Name	Material	Qty.
1	F143-122-000	Hinge	Q235	5
2	F143-603-000	Window	Plexi.	2
3	F143-604-000	Game panel	Plexi.	1
4	F143-123-000	Scoreboard	Stainless steel	2
5	F143-124-000	Bob-weight 1	Stainless steel	2
6	F143-125-000	Bob-weight	Stainless steel	3
7	F143-126-000	Fixed bracket	304 Stainless steel	1
8	F143-407-000	Proximity switch		5
9	F143-605-000	Flame		3

### 8.5 Cabinet Assembly



<b>No.</b>	<b>Part No.</b>	<b>Name</b>	<b>Material</b>	<b>Qty.</b>
1	F143-408-000	Lock	AH57 lock	1
2	F143-606-000	Glass door lock washer		1
3	F143-127-000	Glass door	Glass	1
4	F143-128-000	Glass frame	Stainless steel	1
5	F143-607-000	Car top water gun	Molding	1
6	F143-608-000	Top light cover	Plastic-red	2
7	F143-609-000	Top light cover	Plastic-blue	21
8	F143-610-000	Car top cover	Plastic-black	1
9	F143-611-000	Back side light cover		4
10	F143-612-000	Back alarm light	Plastic-yellow	1
11	F143-501-000	Light cover fixed bracket	15mm MDF	1
12	F143-613-000	Rear light	Plastic-yellow	4
13	F143-614-000	Wheel cover	Plastic	4
14	F143-129-000	Foot board	Aluminum	1
15	F143-130-000	Water tank	Stainless steel	1
16	F143-131-000	Fan bracket	Stainless steel	1
17	F143-132-000	Water channel	Stainless steel	1
18	F143-502-000	Front fixed board	15MM plywood	1
19	F143-133-000	Embedded steel	Q235	1
20	F143-615-000	Front window	PC	1
21	F143-616-000	Large light cover	Plastic	2
22	F143-617-000	Foglight	Plastic-yellow	2
23	F143-618-000	Foglight 1	Plastic-light blue	2
24	F143-134-000	Lock pin	Stainless steel	1
25	F143-619-000	Head light	Plastic	1
26	F143-620-000	Service door	Plastic-red	1

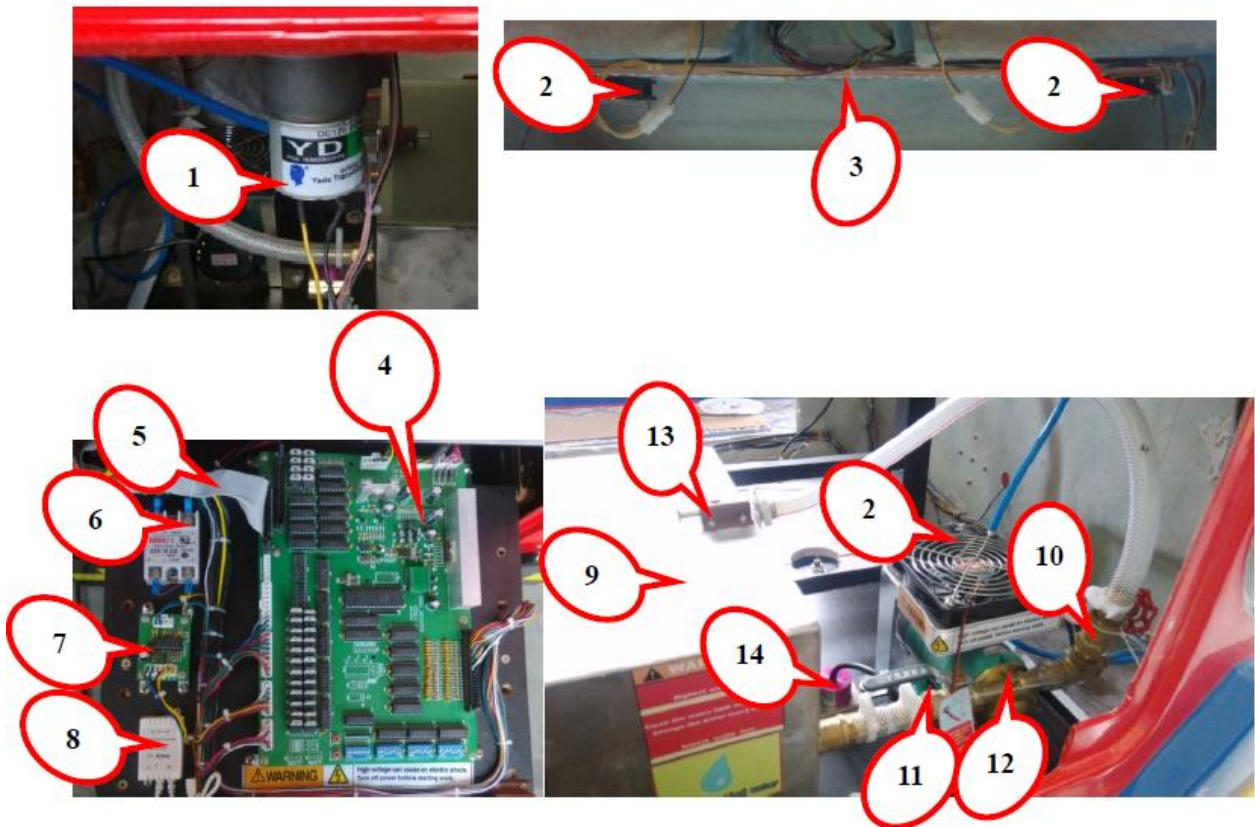
## 8.6 Base Assembly



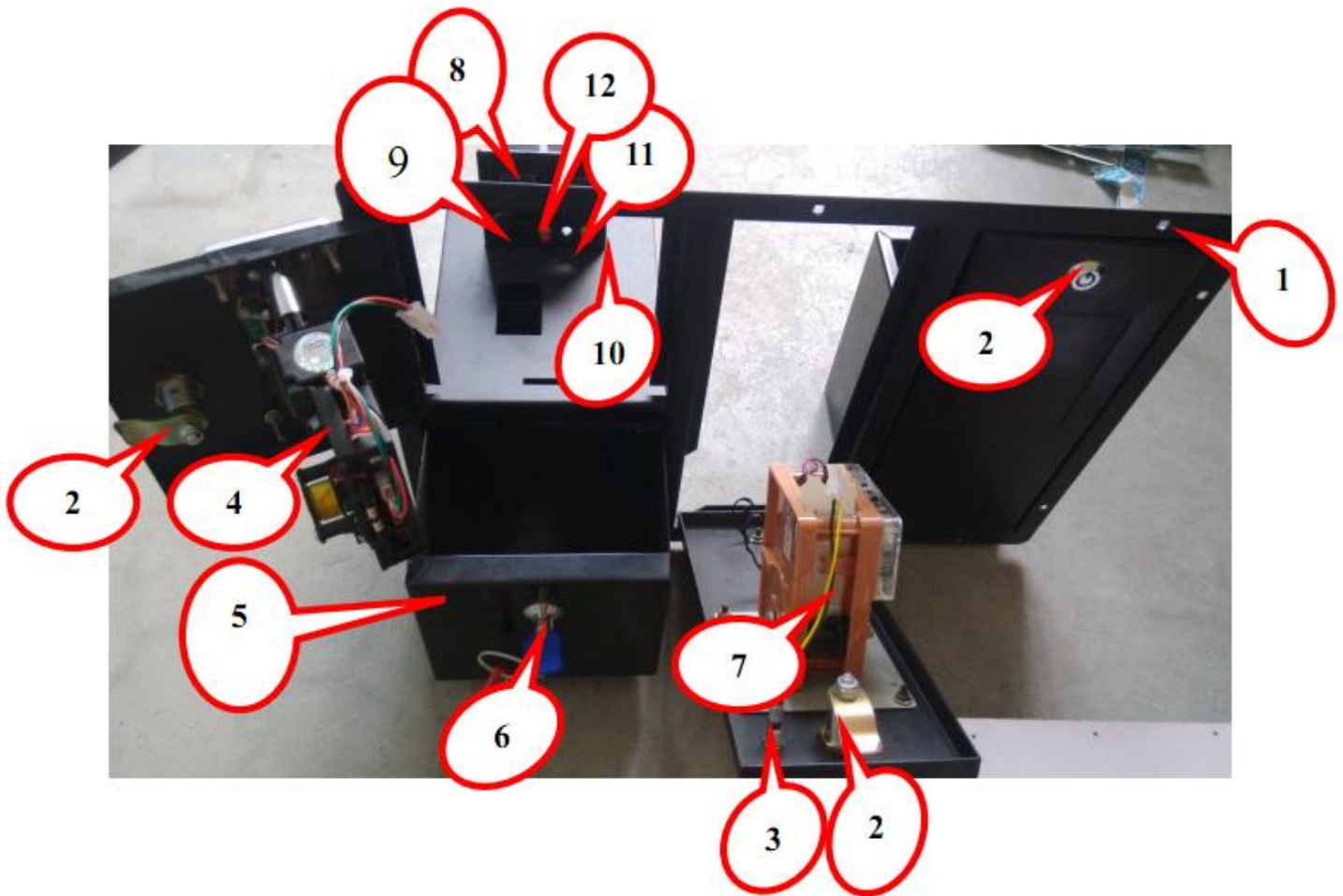
<b>No.</b>	<b>Part No.</b>	<b>Name</b>	<b>Material</b>	<b>Qty.</b>
1	F143-135-000	Top swing bracket	Q235	1
2	F143-409-000	Br.	UCP205	6
3	F143-136-000	Bottom swing bracket	Q235	1
4	F143-621-000	Base cover	ABS black	1
5	F143-410-000	Frequency converter		1
6	F143-411-000	Joint Br.	M16 outer	1
7	F143-412-000	Joint Br.	M16 inner	1
8	F143-137-000	Small spacer bush	Q235	2
9	F143-413-000	Motor	GH22-200-40S	1
10	F143-414-000	Br.	Steel	
11	F143-415-000	Chain		1
12	F143-416-000	Driven chain wheel	Steel	1
13	F143-417-000	Joint Br.		1
14	F143-418-000	Joint Br.		1
15	F143-419-000	Flanged Br.	Steel	1
16	F143-420-000	Connecting flange	Steel	1
17	F143-421-000	Drive chain wheel	Steel	1
18	F143-422-000	Leveller	Stainless steel	4
19	F143-423-000	Castor	Stainless steel	4
20	F143-138-000	Base	Q235	1
21	F143-424-000	Small br.	Steel	1



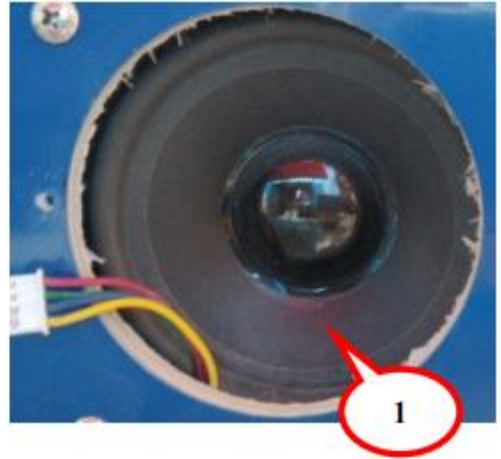
## 8.7 Electrical Part



No.	Part No.	Name	SPEC.	Qty.
1	F143-425-000	Motor	5rev 12v	1
2	F143-426-000	Fan	12v	3
3	F143-427-000	Light belt	White	1
4	F143-428-000	Main board	SJKJ 2013.PCB	1
5	F143-429-000	Ribbon cable	34p	1
6	F143-430-000	Solid state relay	SSR-10 DA	1
7	F143-431-000	PCB board	6502 pcb	1
8	F143-432-000	Controller	RBG light	1
9	F143-433-000	Water tank	Stainless steel	1
10	F143-434-000	Water valve	Inlet valve	1
11	F143-435-000	Water valve	Drain valve	1
12	F143-436-000	Water bump		1
13	F143-437-000	Plug	Plastic	1
14	F143-438-000	Water sensor		1



No.	Part No.	Name	SPEC.	Qty.
1	F143-439-000	Coin door	Steel	1
2	F143-401-000	AH 57 lock		3
3	F143-440-000	Ticket light	Red light	1
4	F143-441-000	Coin mech.	TW-131	1
5	F143-139-000	Coin box	steel	1
6	F143-402-000	AH 58 lock		1
7	F143-442-000	Tik. dispener	LK003C	1
8	F143-443-000	Meter bracket	black	1
9	F143-444-000	Volume adjust	black	1
10	F143-445-000	Service button	red	1
11	F143-446-000	Reset button	red	1
12	F143-447-000	Meter		2

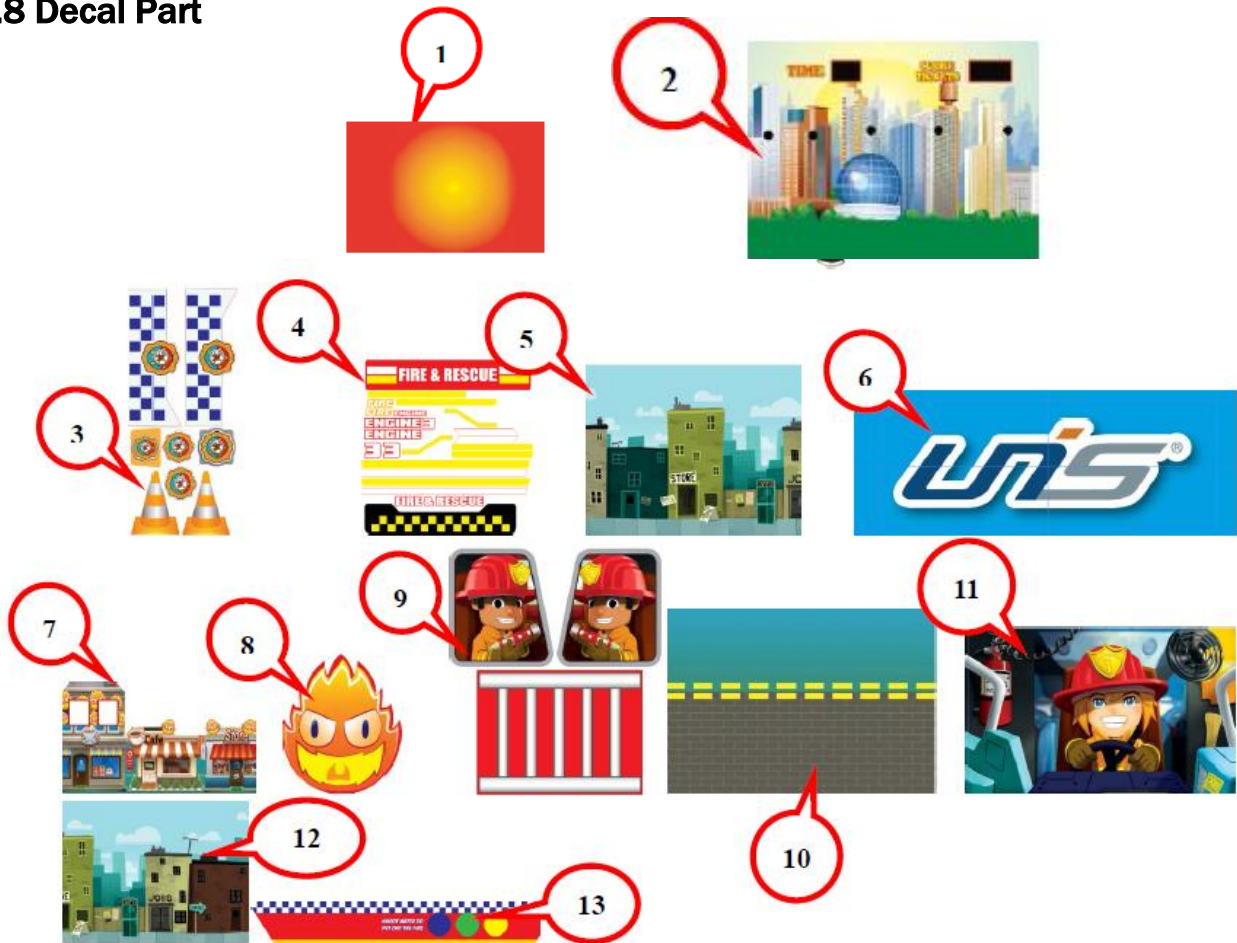


No.	Part No.	Name	SPEC.	Qty.
1	F143-448-000	Speaker	15W	2
2	F143-449-000	White plexi.		2
3	F143-450-000	Speaker light PCB	Red light	2
4	F143-451-000	Speaker cover	TW-131	2

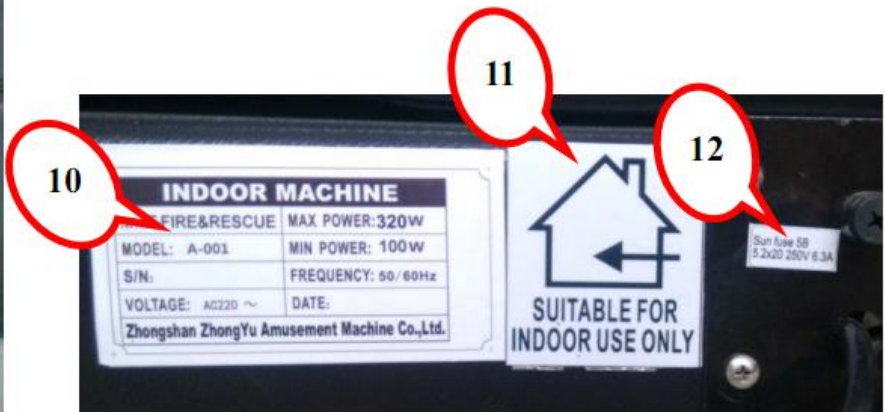
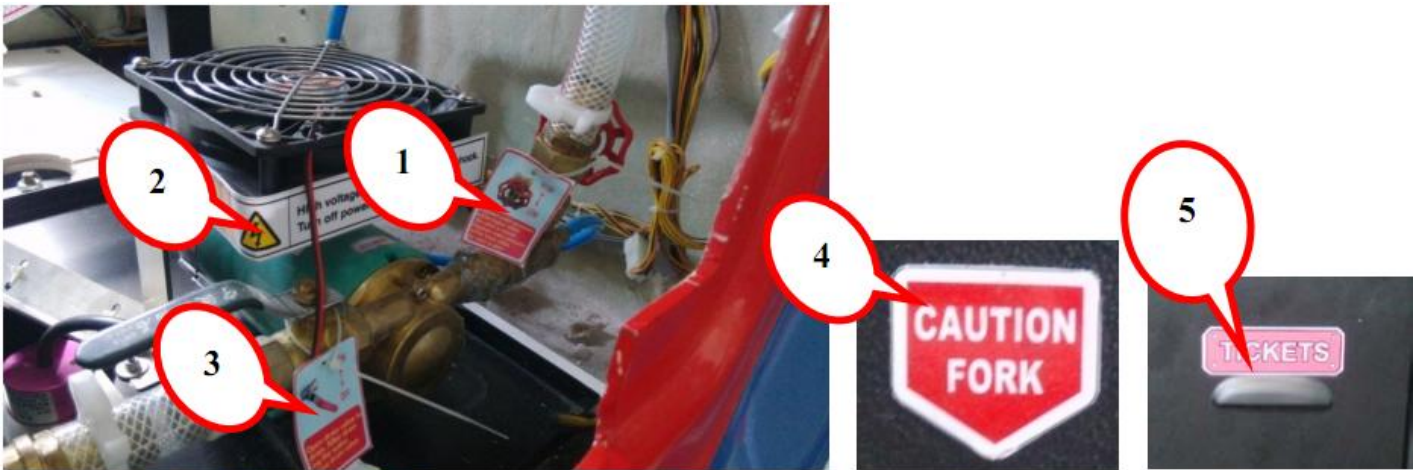


No.	Part No.	Name	SPEC.	Qty.
1	F143-452-000	Fuse base	15W	1
2	F143-453-000	Power cord	6.3A	2

### 8.8 Decal Part



No.	Part No.	Name	SPEC.	Qty.
1	F143-701-000	Window decal	PVC sticker	2
2	F143-702-000	Background decal	PVC sticker	1
3	F143-703-000	Side B + front door decal	Sticker	1
4	F143-704-000	Side C + top decal	Sticker	1
5	F143-705-000	Playfield R decal	Sticker	1
6	F143-706-000	Logo decal	Plastic	1
7	F143-707-000	Playfield decal	Plastic	1
8	F143-708-000	Fire decal	Plastic	2
9	F143-709-000	Side A + rear decal	Sticker	1
10	F143-710-000	Playfield A decal	Sticker	1
11	F143-711-000	Front window decal	Plastic	1
12	F143-712-000	Playfield L decal	Sticker	1
13	F143-713-000	Control panel decal	PVC sticker	1





No.	Part No.	Name	SPEC.	Qty.
1	F143-714-000	Fill valve decal		2
2	F143-715-000	High voltage warning decal	PVC sticker	1
3	F143-716-000	Drain valve decal		1
4	F143-717-000	Force point decal	PVC sticker	1
5	F143-718-000	Ticket out decal	PVC sticker	1
6	F143-719-000	Water level decal	PVC sticker	1
7	F143-720-000	Water decal	PVC sticker	1
8	F143-721-000	Danger warning decal	PVC sticker	2
9	F143-722-000	High voltage warning decal	PVC sticker	1
10	F143-723-000	Cabinet nameplate decal	PVC sticker	1
11	F143-724-000	Indoor used decal	PVC sticker	1
12	F143-725-000	Fuse decal	PVC sticker	1
13	F143-726-000	High voltage warning & high temperature decal	PVC sticker	1











Have Questions? Contact us!

[www.universal-space.com](http://www.universal-space.com)

 <b>International Support Center</b>	 <b>USA Support Center</b>
Tel: +1-905-477-2823 Fax: +1-905-477-2660 Email: <a href="mailto:service@universal-space.com">service@universal-space.com</a> (Contact: Clement Yau)	Tel: 972-241-4263 Fax: 214-919-4918 Email: <a href="mailto:tsnelling@unisusasupportcenter.com">tsnelling@unisusasupportcenter.com</a> (Contact: Tim Snelling)