

# SPACE SHIP



Be Sure  
to Read this  
Manual  
Before Use



## Operation Manual



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

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## WARNING

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 **Space Ship**. 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: 110V, 50/60Hz

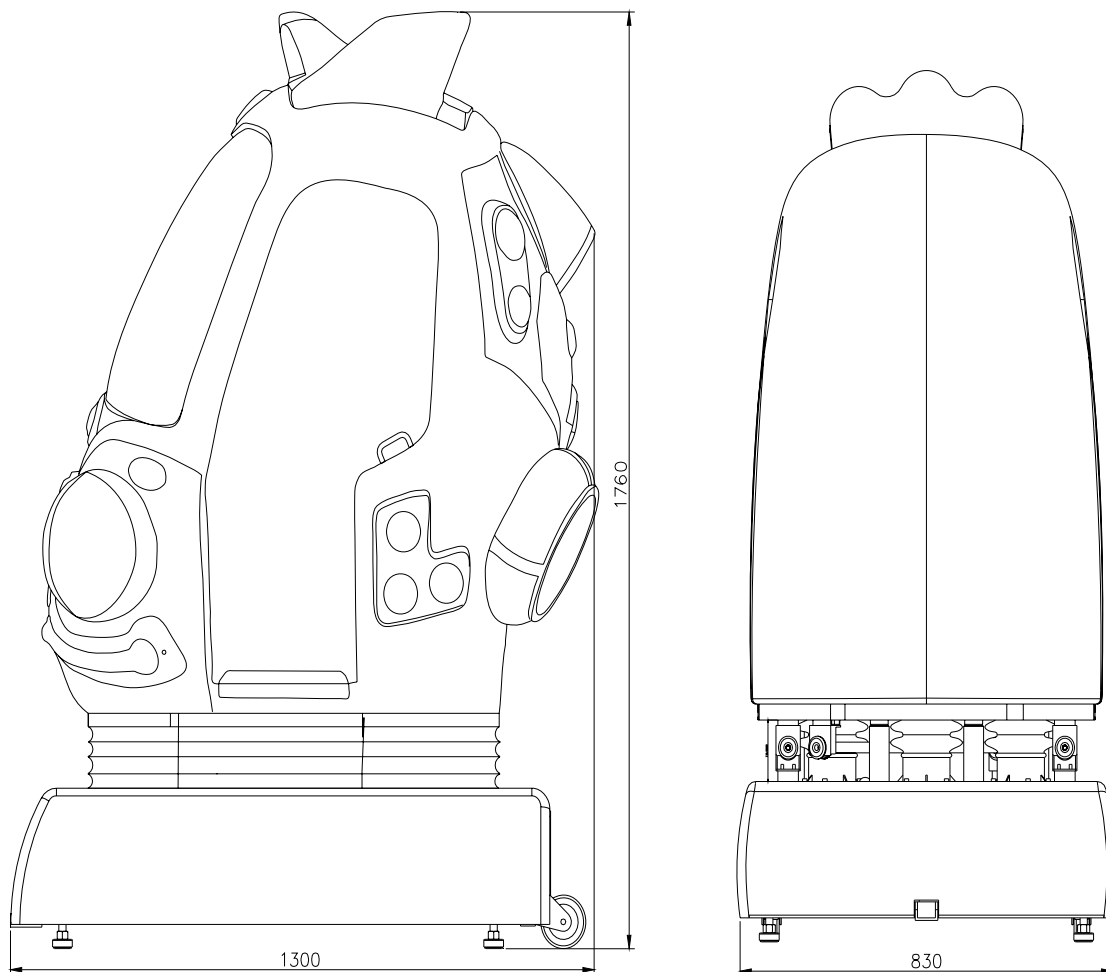
Min. Power consumption: 88W

Max. Power consumption: 1650W


Dimensions: W830×D1300×H1760 (mm)

Weight: Approximately 180KG

 **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

No.	Part No.	Draw No.	Name	Qty	Illustration
1	S111-400-000	23301000001	Power cord	1	
2	S111-401-000	21901000030	Fuse	1	
3	S111-403-000	25300171002	Key	1	
4	S111-700-000	41451107001	Manual	1	

- Following accessories

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 NAMES



## 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.

Service area: 100cm

Play area: 100cm

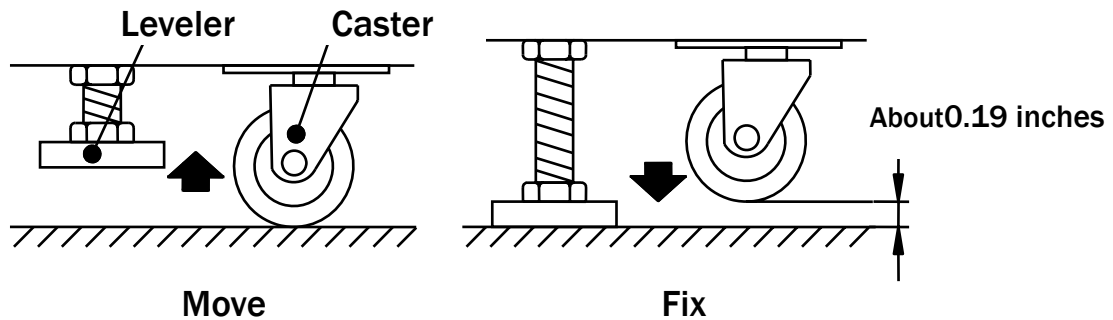




## 4.2 Level Adjustment

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.

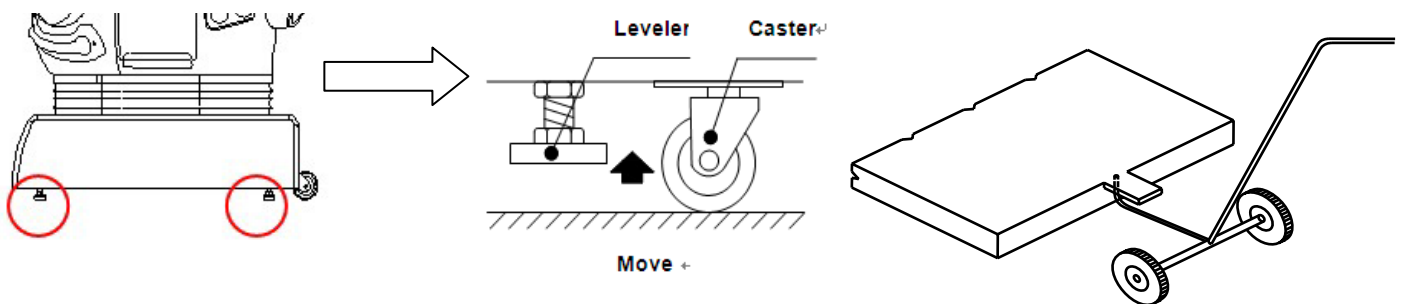


### NOTICE

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. The bedplate of the machine is provided with two wheels in its rear side. On a level surface the machine can be moved by using a trolley.



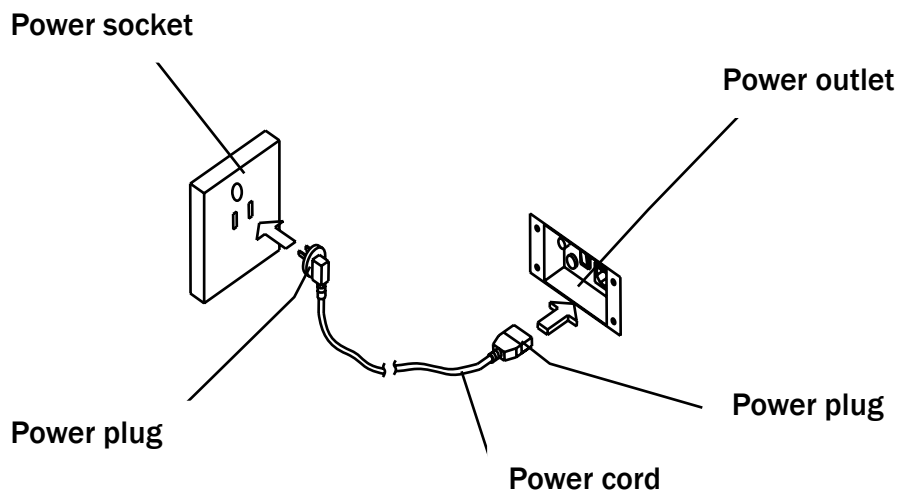
### NOTICE

- 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

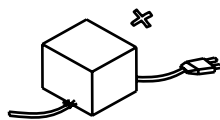
**⚠ WARNING:** Check the voltage rating before you connect the equipment to an electrical outlet to ensure that the required voltage and frequency match the available power source. Please refer the label of the machine.

- 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):

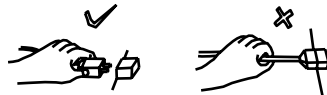


**⚠ WARNING**

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

Space ship is designed for the children entertainment.

1. Sit on the seat and fasten the safty belt.
2. Insert coins, starting speech prompt. Cabin rise and swing, players control the swing through handles.
3. It will swing according to saved program when you don't control handles. There are 2 groups of speech key on handles.Press it and play interesting music.
4. Coins affect running time, cabin dropped at the end of the game.



Release screws can maintain control panel.

## 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

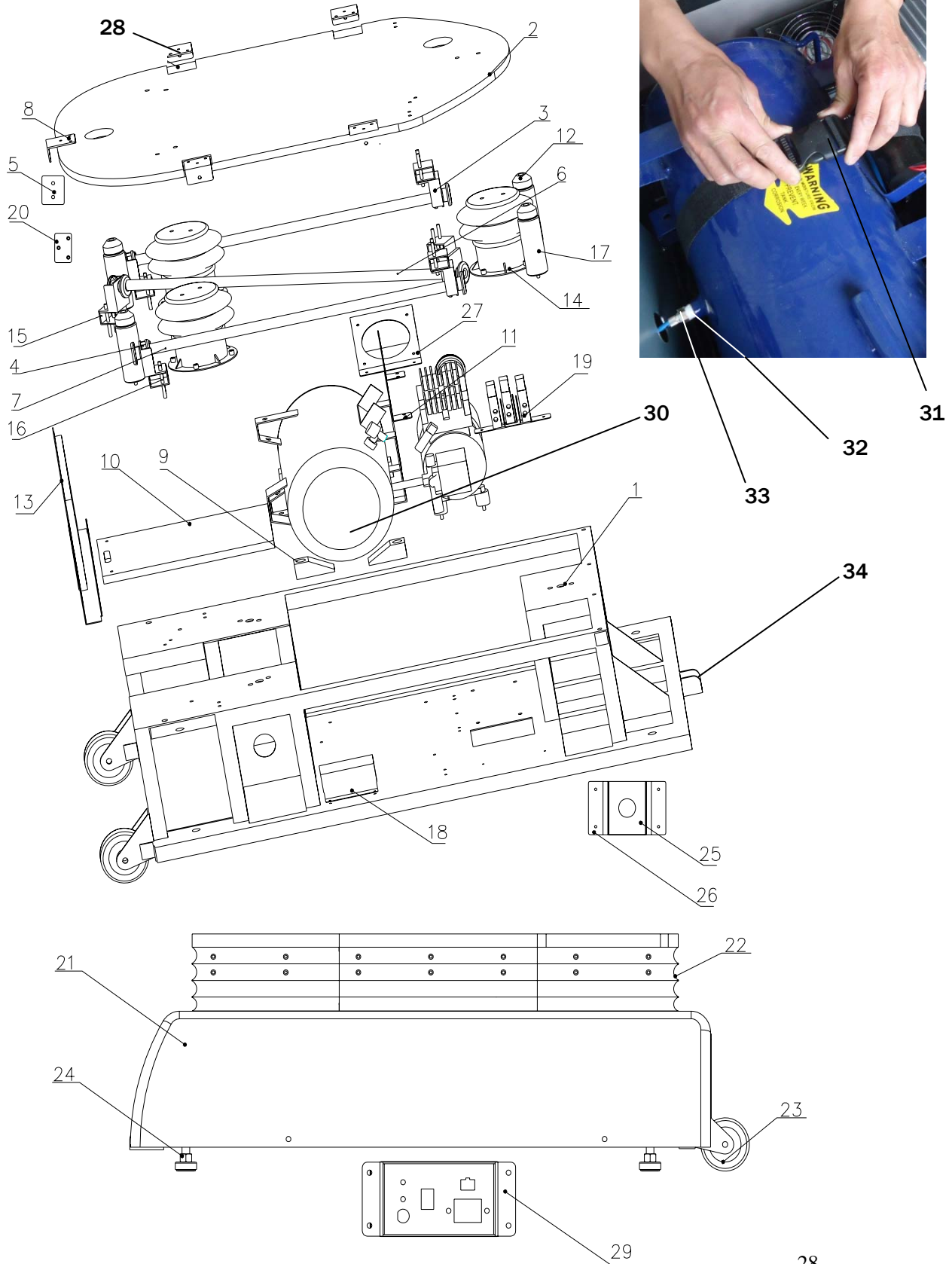


#### WARNING

- 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.

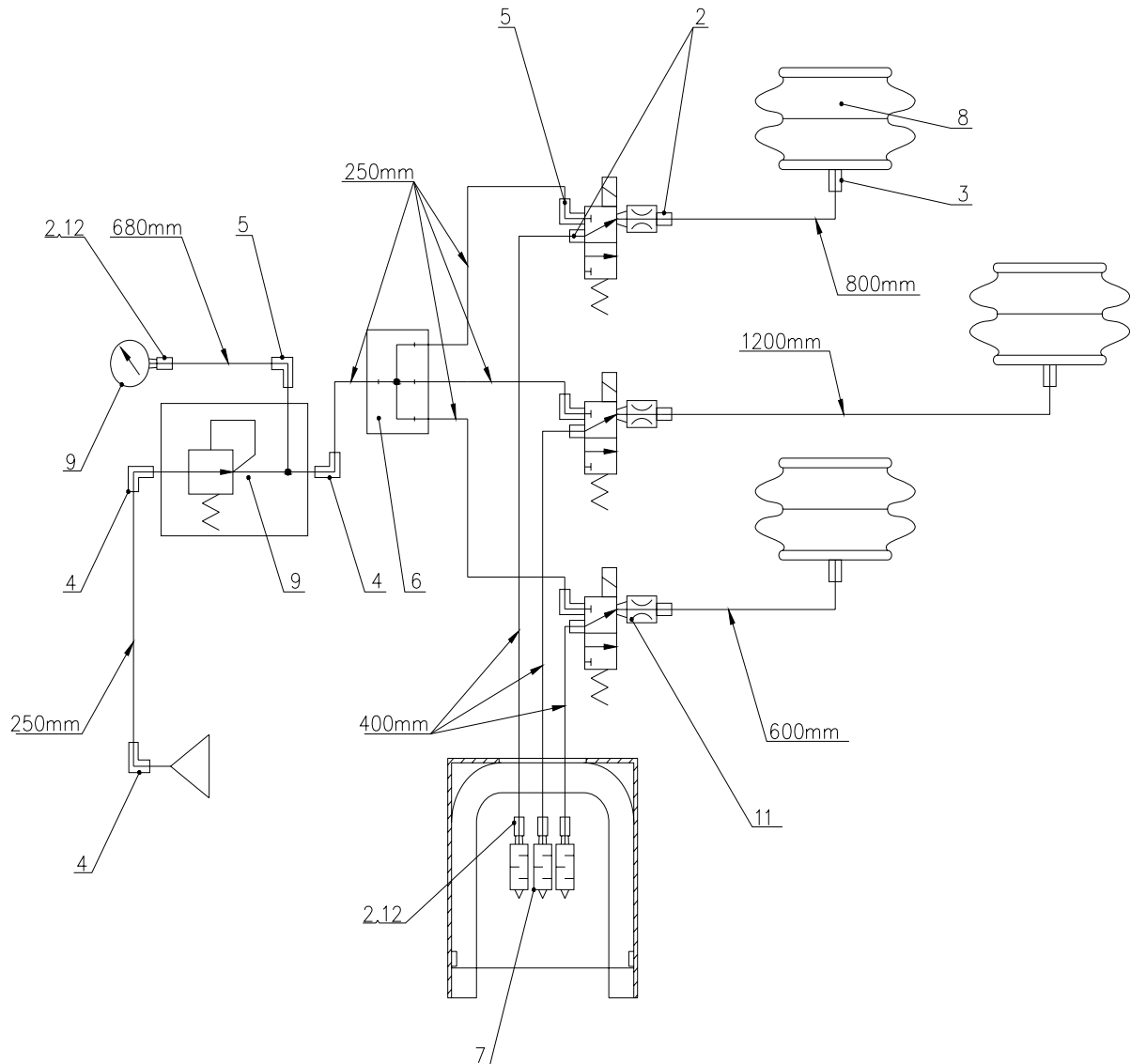
# 7. OVERALL CONSTRUCTION

## 7.1 Base mechanism



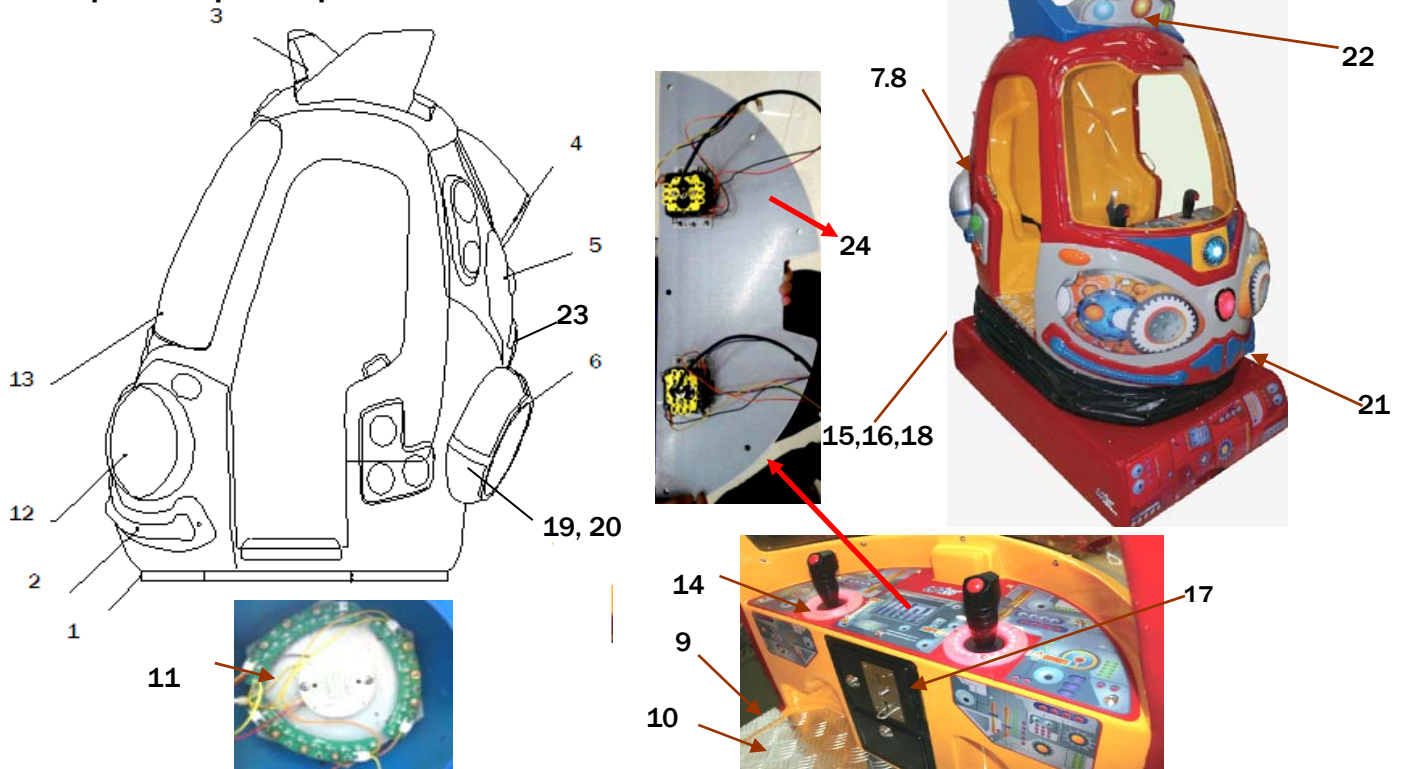
No.	Part No.	Code	Name	Qty
1	S111-100-000	20251107001	Base(29951107001)	1
2	S111-500-000	20351107001	Cabin support board	1
3	S111-101-000	20251107002	Bar fixed assembly	6
4	S111-600-000	20651107001	Bar pad	12
5	S111-102-000	20251107003	Screw washer	3
6	S111-103-000	20251107004	Limited rob 1	1
7	S111-104-000	20251107005	Limited rob 2	2
8	S111-105-000	20251107006	Cabin connecting assembly	6
9	S111-601-000	20651107002	Air camel pad	4
10	S111-501-000	20351107002	Motherboard fix board	1
11	S111-106-000	20251107007	Air camel fix assembly	2
12	S111-602-000	20651107003	Cabin shore	2
13	S111-107-000	20251107008	Back maintenance door	1
14	S111-108-000	20251107010	Air cushion	3
15	S111-109-000	20251107011	Bar fixed pad 1	4
16	S111-110-000	20251107012	Bar fixed pad 2	2
17	S111-111-000	20251107013	Shore pad	4
18	S111-603-000	20651107005	Electrical cover	1
19	S111-112-000	20251107014	Valve fixed board	1
20	S111-113-000	20251107016	Connecting washer	6
21	S111-604-000	20451107001	Base cover	1
22	S111-404-000	20651107004	Skirt	1
23	S111-405-000	25501000060	2.5" caster	2
24	S111-406-000	26000009000	2.5"leveler	4
25	S111-114-000	20251107017	Damping box	1
26	S111-115-000	20251107018	Damping box bracket	1
27	S111-116-000	20251107015	Fan base	1
28	S111-117-000	26000001000	SW power box support base	1
29	S111-118-000	26000005000	Power outlet	1
30	S111-119-000	40611010004	air compressor	1
31	S111-120-000	25900010000	safety belt	1
32	S111-121-000	20251107036	air compressor connecter	1
33	S111-122-000	25101230001	Micro rectangular connecter	1
34	S111-123-000	25100080002	stopper	1

## 7.2 Pneumatic Component



No.	Part No.	Code	Name	Qty
1	S111-407-000	25106020194	8mm wind pipe	1
2	S111-408-000	25101190004	Straight thread	9
3	S111-409-000	25101190003	Straight thread	4
4	S111-410-000	25101230002	Tracheal bent joints	3
5	S111-411-000	25101230003	Tracheal bent joints	4
6	S111-412-000	25101041001	8 four ventilation joint	1
7	S111-413-000	25101170001	Copper muffler	3
8	S111-414-000	25110000001	Shock absorber balloon	3
9	S111-415-000	25101140003	Pressure gauges	1
10	S111-416-000	25101123001	Reducing valve	1
11	S111-417-000	20251107030	Damping joint	3
12	S111-418-000	25101010101	Hexagon joint	4

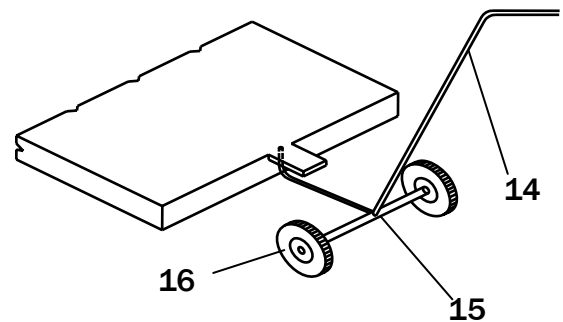
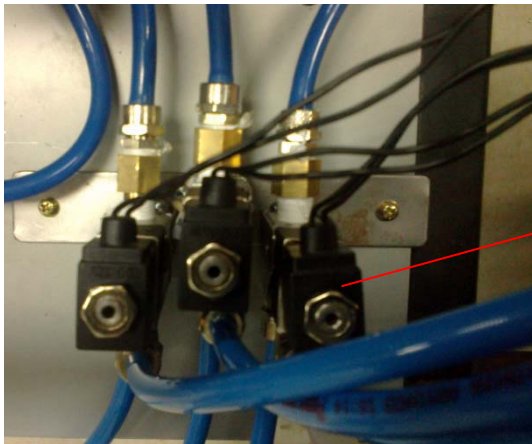
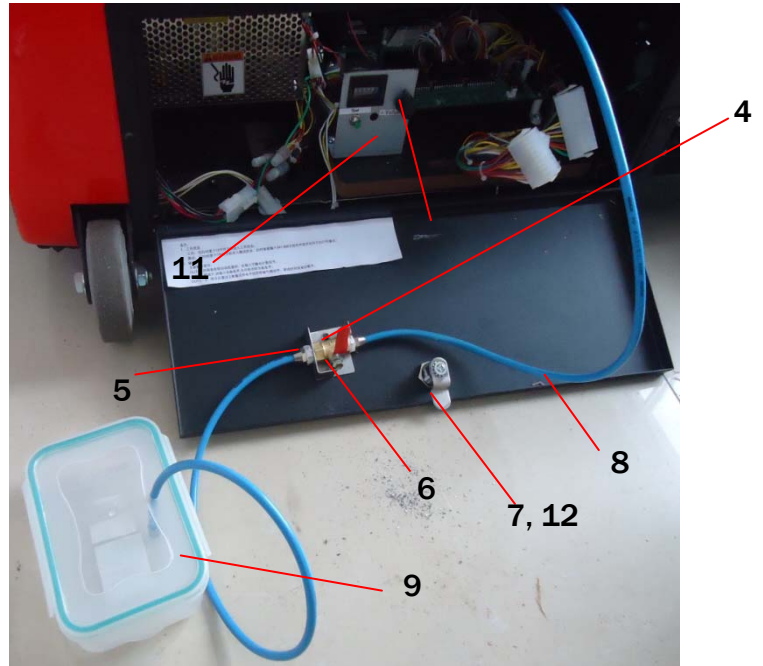
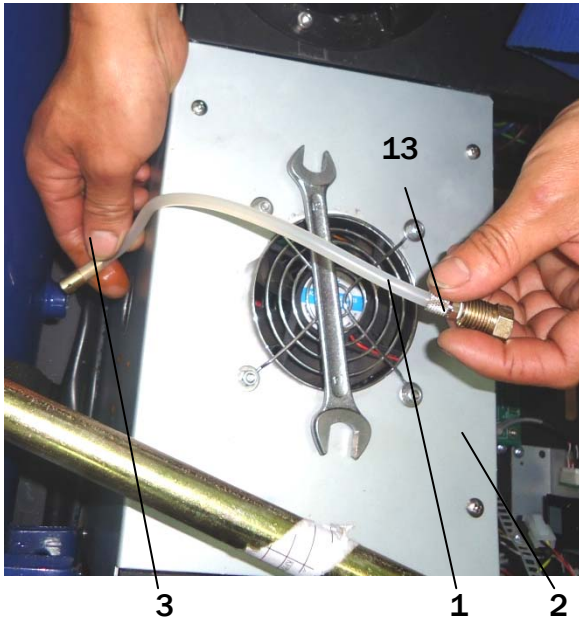
## 7.3 Spaceship Component



No.	Part No.	Code	Name	Qty
1	S111-605-000	20451107002	Ship body	1
2	S111-606-000	20451107003	Front decoration pipe	1
3	S111-607-000	20451107004	Top decoration light cover	1
4	S111-608-000	20451107005	Back decoration light cover	1
5	S111-609-000	20451107006	Back decoration shield	1
6	S111-610-000	20451107007	Back circular light shell	1
7	S111-419-000	20251107025	Handle	2
8	S111-611-000	20651107006	Handle gasket	2
9	S111-420-000	20251107026	Side pedal	2
10	S111-421-000	20251107027	Anti-skidding pedal	1
11	S111-422-000	20251107028	Back light fix board	2
12	S111-423-000	20251107029	Light cover vacuum foam fix assembly	10
13	S111-612-000	20651107007	Front windshield	1
14	S111-613-000	20621004009	Small award light ring	2
15	S111-424-000	20240836046	Safety belt fix buckle	2
16	S111-425-000	20251107032	Seat belt	1
17	S111-426-000	26000019000	Coin door	1
18	S111-124-000	20251107019	Safety belt embedded part	2
19	S111-125-000	20251107020	Rear light fiberglass embedded part	2
20	S111-126-000	20251107024	Rear light bracket embedded part	2
21	S111-127-000	20251107021	Cabin embedded part	6
22	S111-128-000	20251107022	Top light embedded part	3
23	S111-129-000	20251107023	Rear middle light embedded part	1
24	S111-146-000	20251107039	Control panel reinforced plate	1



### 7.4 Air System Part



No.	Part No.	Code	Name	Qty
1	S111-130-000	25106030401	6mm silicon tube	1
2	S111-131-000	20251107035	Fan cover	1
3	S111-132-000	20251107037	Silicon tube connecter	1
4	S111-133-000	20251107034	ball valve fixed plate	1
5	S111-134-000	25101112011	6mm tube-1/4" connector	1
6	S111-135-000	25101120076	8 copper ball valve	1
7	S111-136-000	20251107A009	Locking plate	1
8	S111-137-000	25106020193	6mm air tube	1
9	S111-138-000	25101200104	plastic box	1
10	S111-139-000	25101122001	magnetic valve	3
11	S111-140-000	20251101004	meter plate	1
12	S111-141-000	25300171001	lock	1
13	S111-142-000	25101111009	6mm air tube-M5 connecter	2
14	S111-143-000	20251107031	Trolley handle	1
15	S111-144-000	29951107004	Trolley	1
16	S111-145-000	25502000002	Trolley wheel	2

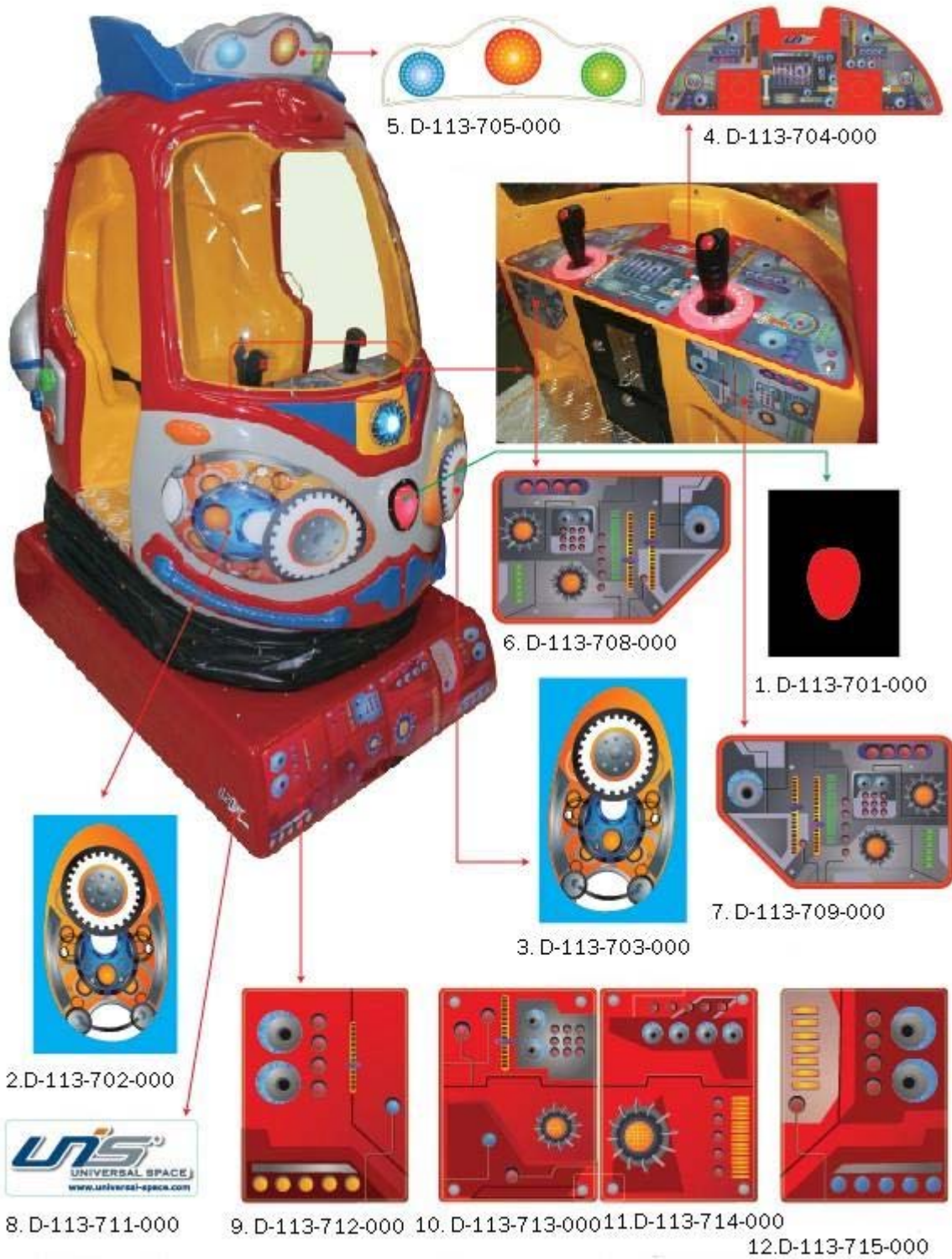
### 7.5 Electrical Parts List



No.	Part No.	Code	Name	Qty
1	S111-427-000	22801000005	Speaker	1
2	S111-428-000	21412000001	Terminal	1
3	S111-429-000	21602000004	SW power box	1
4	S111-430-000	22601000005	Small rocker SW	1
5	S111-431-000	21902000006	Fuse base	1
6	S111-432-000	22702010021	DC exhaust fan	1
7	S111-433-000	21901000030	Fuse	1
8	S111-434-000	23201000002	Filter	1
9	S111-435-000	21606000084	Socket	1
10	S111-436-000	23301000001	Power cable	1
11	S111-437-000	22402030002	Button	1
12	S111-438-000	22003000004	LED(12V) plug bubble	1
13	S111-439-000	22401030003	Small button	2
14	S111-440-000	22401010004	Small button	2
15	S111-441-000	22201000027	12V white light socket	1
16	S111-442-000	22702000011	Exhaust net	1
17	S111-443-000	21701000011	Main board	1
18	S111-444-000	22403000001	POT knob	1
19	S111-445-000	23000000006	Meter	1
20	S111-446-000	22003030001	LED light	6
21	S111-447-000	22003000006	LED plug bubble	6
22	S111-448-000	22401020002	Small button	2
23	S111-449-000	22702000010	Exhaust net	1
24	S111-450-000	22702000020	Cable exhaust fan	1
25	S111-451-000	22404000004	Handle	2
26	S111-452-000	21704000214	Light board control board	1
27	S111-453-000	20710805001	LED light board	6
28	S111-454-000	20740803006	LED light board	1
29	S111-456-000	20740930001	LED light board	7
30	S111-457-000	20740906001	LED light board	2
31	S111-458-000	20710879005	LED light board	2
32	S111-459-000	22301000001	coin mech.	1
33	S111-460-000	21709000002	POT connected board	1
34	S111-461-000	25302222001	Lock	1
35	S111-462-000	22204070001	100 rounded blue light cover	1
36	S111-463-000	22204060001	65 rounded green light socket	2
37	S111-464-000	22204060003	65 rounded blue light socket	2
38	S111-465-000	22204060002	65 rounded orange light socket	2
39	S111-466-000	50402010008	Red LED	1

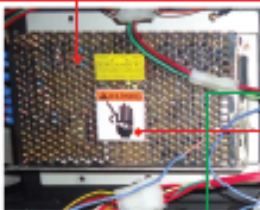
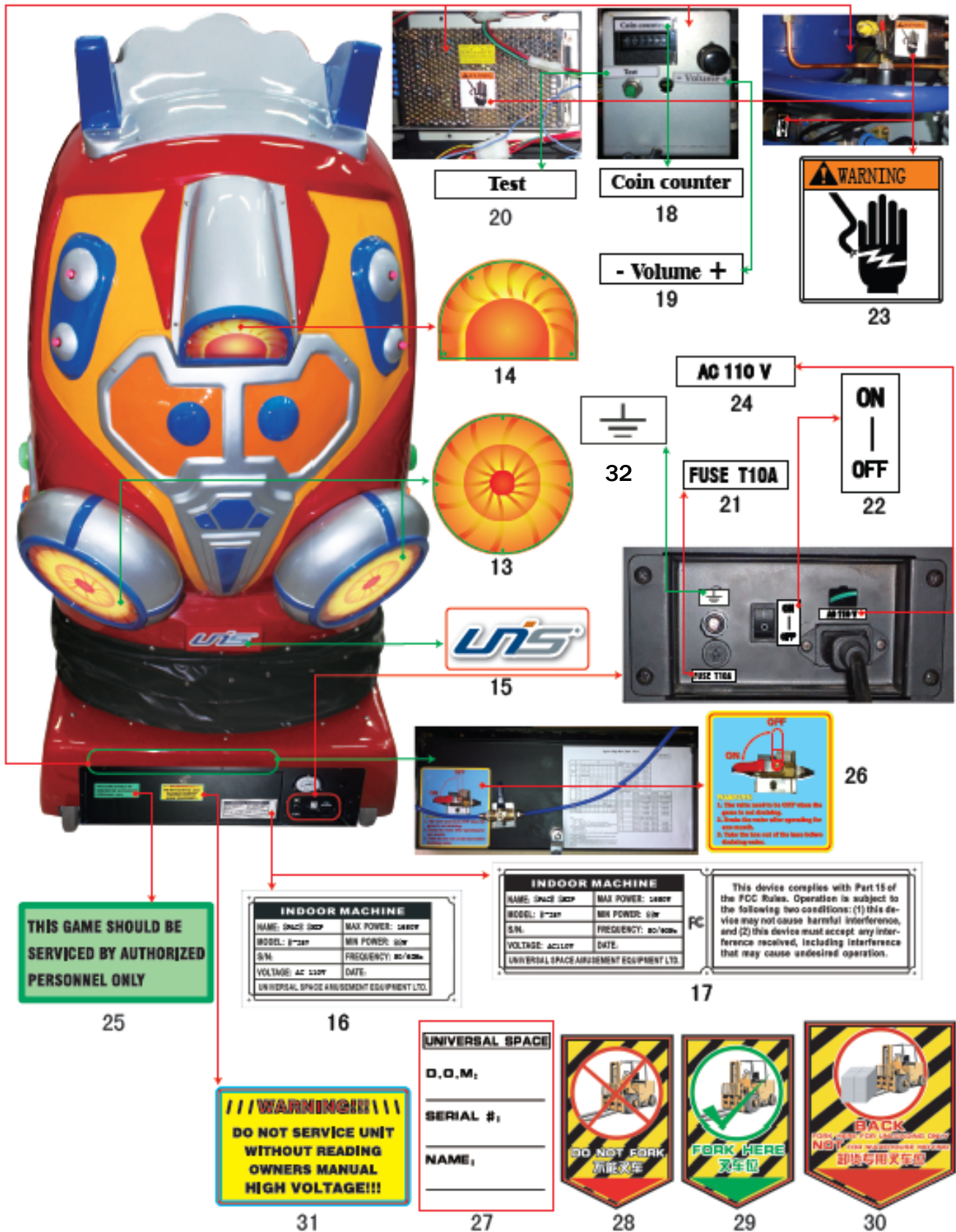


### 7.6 Game Decals:



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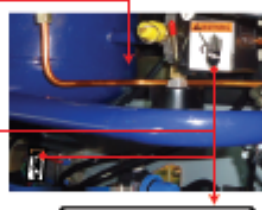
<b>No.</b>	<b>Part No.</b>	<b>Code</b>	<b>Name</b>	<b>Qty</b>
1	S111-701-000	20551107001	Small light cover decal	1
2	S111-702-000	20551107002	L-front light cover decal	1
3	S111-703-000	20551107003	R-front light cover decal	1
4	S111-704-000	20551107004	Control panel decal	1
5	S111-705-000	20551107005	Top marquee decal	1
6	S111-708-000	20551107008	Control panel down L decal	1
7	S111-709-000	20551107009	Control panel down R decal	1
8	S111-711-000	20551107011	Both sides company logo	2
9	S111-712-000	20551107012	Stem fiberglass label 1	1
10	S111-713-000	20551107013	Stem fiberglass label 2	1
11	S111-714-000	20551107014	Stem fiberglass label 3	1
12	S111-715-000	20551107015	Stem fiberglass label 4	1



**Test**  
20



**Coin counter**  
18



23



14

**- Volume +**  
19



13

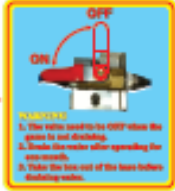
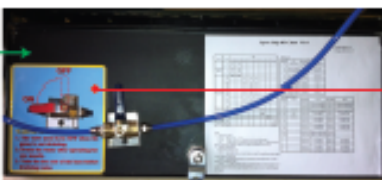
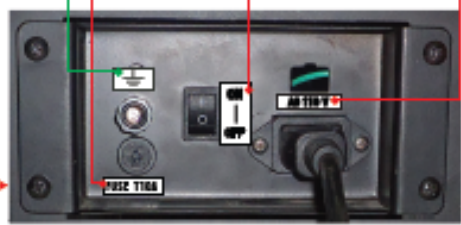


32

**AC 110 V**  
24

**FUSE T10A**  
21

**ON**  
|  
**OFF**  
22



26

**THIS GAME SHOULD BE SERVICED BY AUTHORIZED PERSONNEL ONLY**

25

INDOOR MACHINE	
NAME: SNACE 300P	MAX POWER: 3000P
MODEL: P-20P	MIN POWER: 60P
S/N:	FREQUENCY: 60/50Hz
VOLTAGE: AC 110P	DATE:
UNIVERSAL SPACE AMUSEMENT EQUIPMENT LTD.	

16

INDOOR MACHINE		FC
NAME: SNACE 300P	MAX POWER: 3000P	
MODEL: P-20P	MIN POWER: 60P	
S/N:	FREQUENCY: 60/50Hz	
VOLTAGE: AC110P	DATE:	
UNIVERSAL SPACE AMUSEMENT EQUIPMENT LTD.		

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

17

**///WARNING!!!**  
**DO NOT SERVICE UNIT WITHOUT READING OWNERS MANUAL HIGH VOLTAGE!!!**

31

**UNIVERSAL SPACE**  
O.O.M:  
SERIAL #:  
NAME:

27



28



29



30

<b>No.</b>	<b>Part No.</b>	<b>Code</b>	<b>Name</b>	<b>Qty</b>
13	S111-706-000	20551107006	Tail light piece decal	2
14	S111-707-000	20551107007	Back light piece decal	1
15	S111-710-000	20551107010	Back company logo label	1
16	S111-716-000	20551107016	110V nameplate	1
17	S111-717-000	20551107017	FCC certification nameplate	1
18	S111-718-000	25600000001	Coin counter	1
19	S111-719-000	25600000003	Volume label	1
20	S111-720-000	25600000005	Testing label	1
21	S111-721-000	25600000014	Fuse T10A	1
22	S111-722-000	25600000016	Power SW label A	1
23	S111-723-000	25600000036	High voltage warning(Small)	2
24	S111-724-000	25600000040	Label 110V	1
25	S111-725-000	25600000042	Maintenance information label 1	1
26	S111-732-000	20551107018	Valve label	1
27	S111-727-000	25600000063	Package information label	1
28	S111-728-000	25600000064	Do not fork	1
29	S111-729-000	25600000065	Fork here	1
30	S111-730-000	25600000066	Unloading forklift	1
31	S111-731-000	25600000067	Maintenance notice label	1
32	S111-733-000	25600000019	GND sticker	1

## 8. IO CHART

Item	Content	DIP adjust							
		SW11	SW12	SW13	SW14	SW15	SW16	SW17	SW18
Coins per game	4	on	on						
	3	off	on						
	2	on	off						
	<b>1</b>	<b>OFF</b>	<b>OFF</b>						
Running Time(s)	200			on	on	on			
	180			off	on	on			
	160			on	off	on			
	120			off	off	on			
	100			on	on	off			
	80			off	on	off			
	60			on	off	off			
	<b>45</b>			<b>OFF</b>	<b>OFF</b>	<b>OFF</b>			
Demo music	ON						ON		
	OFF						<b>OFF</b>		
								<b>OFF</b>	
Working condition	Test								on
	<b>Working</b>								<b>OFF</b>

### Main board input output part

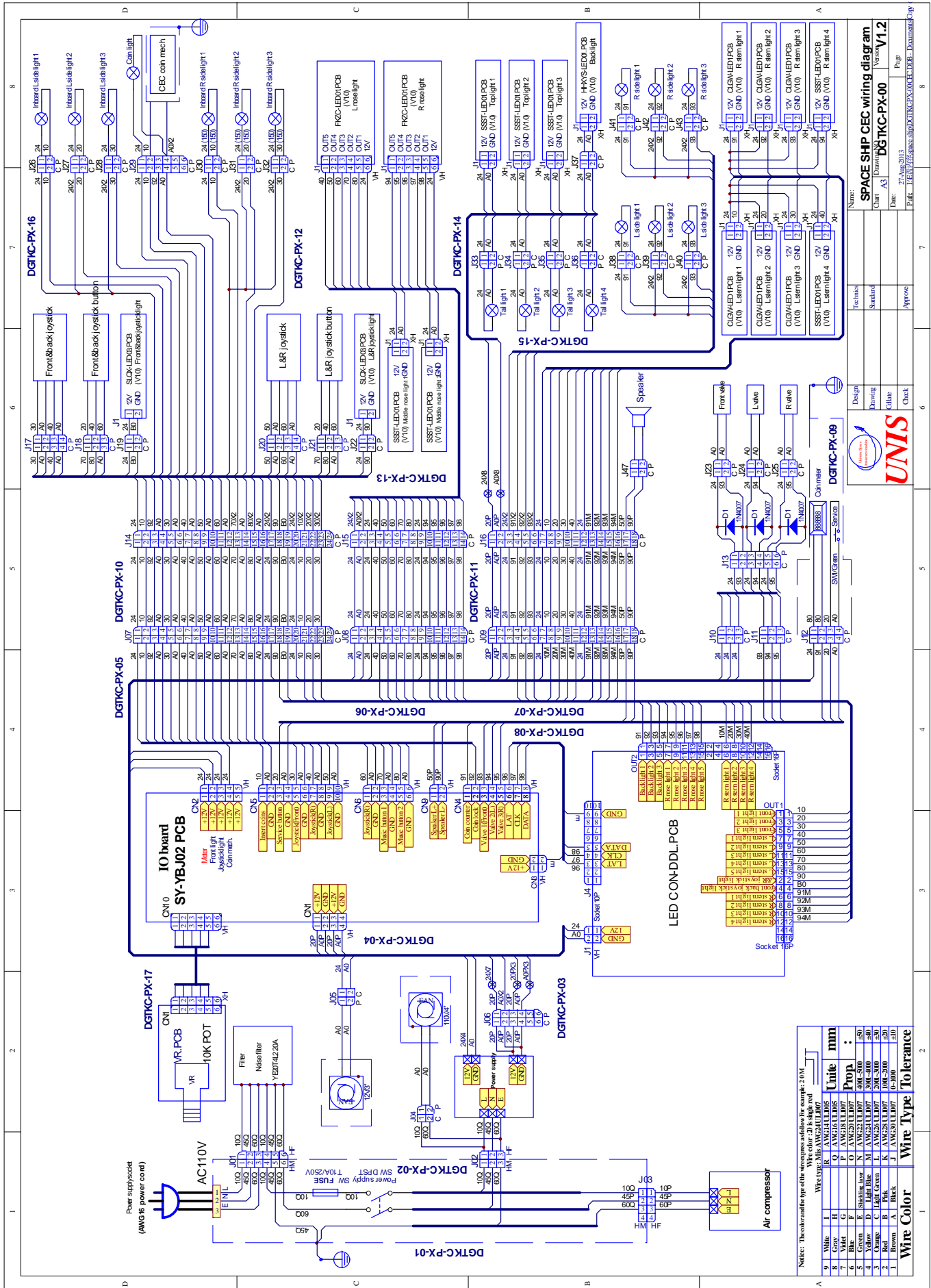
Input part		Output part	
Input	Content	Output	Content
I1	Insert coin	OUT1	Coin
I2	Service button	OUT2	Coin lock
I3	Handle(Front)	OUT3	Valve 1
I4	Handle (Back)	OUT4	Valve 2
I5	Handle (Left)	OUT5	Valve 3
I6	Handle (Right)	OUT6	LAT
I7	Music button 1	OUT7	CLK
I8	Music button 2	OUT8	DATA



## LED control panel output part

Input part		Output part			
Input	Content	Output	Content	Output	Content
J4-1		OUT1-1	Front moving light 1	OUT2-1	Back moving light 1
J4-2		OUT1-2	Front moving light 2	OUT2-2	Back moving light 2
J4-3	LAT	OUT1-3	Front moving light 3	OUT2-3	Back moving light 3
J4-4	CLK	OUT1-4	L-stem light 1	OUT2-4	R-stem light 1
J4-5	DATA	OUT1-5	L-stem light 2	OUT2-5	R-stem light 2
J4-6		OUT1-6	L-stem light 3	OUT2-6	R-stem light 3
J4-7		OUT1-7	L-stem light 4	OUT2-7	R-stem light 4
J4-8		OUT1-8	L-stem light 5	OUT2-8	R-stem light 5
J4-9		OUT1-9	Left& right handle light	OUT2-9	
J4-10		OUT1-10	Front& back handle light	OUT2-10	
		OUT1-11	L-stern light 1	OUT2-11	R-stern light 1
		OUT1-12	L-stern light 2	OUT2-12	R-stern light 2
		OUT1-13	L-stern light 3	OUT2-13	R-stern light 3
		OUT1-14	L-stern light 4	OUT2-14	R-stern light 4

# 9. WIRING DIAGRAM



Notes: The color and the type of the wire are as follows:  
 Wire color: 20 is black, 21 is blue, 22 is red, 23 is yellow, 24 is green, 25 is white, 26 is brown, 27 is black, 28 is white, 29 is blue, 30 is red, 31 is yellow, 32 is green, 33 is white, 34 is brown, 35 is black.

Wire Color	Wire Type	Tolerance
1	White	±0.1
2	Black	±0.1
3	Green	±0.1
4	Yellow	±0.1
5	Red	±0.1
6	Blue	±0.1
7	Brown	±0.1
8	White	±0.1
9	Black	±0.1
10	Green	±0.1
11	Yellow	±0.1
12	Red	±0.1
13	Blue	±0.1
14	Brown	±0.1
15	White	±0.1
16	Black	±0.1
17	Green	±0.1
18	Yellow	±0.1
19	Red	±0.1
20	Blue	±0.1
21	Brown	±0.1
22	White	±0.1
23	Black	±0.1
24	Green	±0.1
25	Yellow	±0.1
26	Red	±0.1
27	Blue	±0.1
28	Brown	±0.1
29	White	±0.1
30	Black	±0.1
31	Green	±0.1
32	Yellow	±0.1
33	Red	±0.1
34	Blue	±0.1
35	Brown	±0.1

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Design	UNIS
Drawing	UNIS
Check	UNIS
Approve	UNIS

Space SHIP CEC wiring diagram  
 Version: V1.2  
 Date: 27-Aug-2013  
 Fig. 9.1: Space SHIP CEC wiring diagram

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**Have Questions? Contact us!**

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