

CARGO EXPRESS



Be Sure
to Read this
Manual
Before Use

Operation Manual



www.universal-space.com

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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 **CARGO EXPRESS**. 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: AC110V 50/60Hz; AC220V-240V 50/60Hz

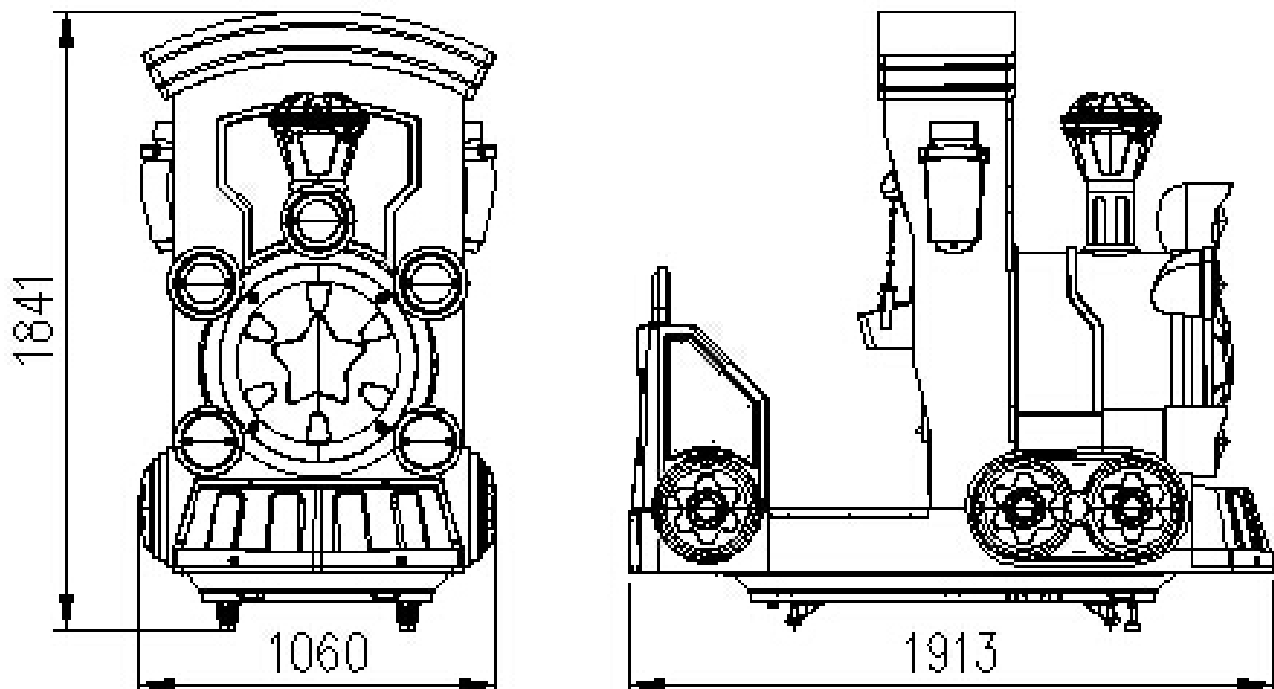
Min. Power consumption: 160W

Max. Power consumption: 550W

Dimensions: W1913×D1060×H1841 (mm)

Weight: Approximately 350kg

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








Note: Game parameters are subject to change without notice.

2. PACKAGE CONTENTS

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

- 1 x Body Assembly
- Following accessories

NO.	Part NO.	Code No.	Name	Spec.	Qty	Illustration
1	C137-448-000	25300172002	Key	171B	2	
2	C137-448-000	25300171002	Key	171	3	
3	C137-448-000	21901000012	Fuse	Φ5×20mm T5A 250VAC	1	
4	21901000012	41440000052	Manual	English	1	
5	C137-448-000	41300000005	Memory stick	8G	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.**

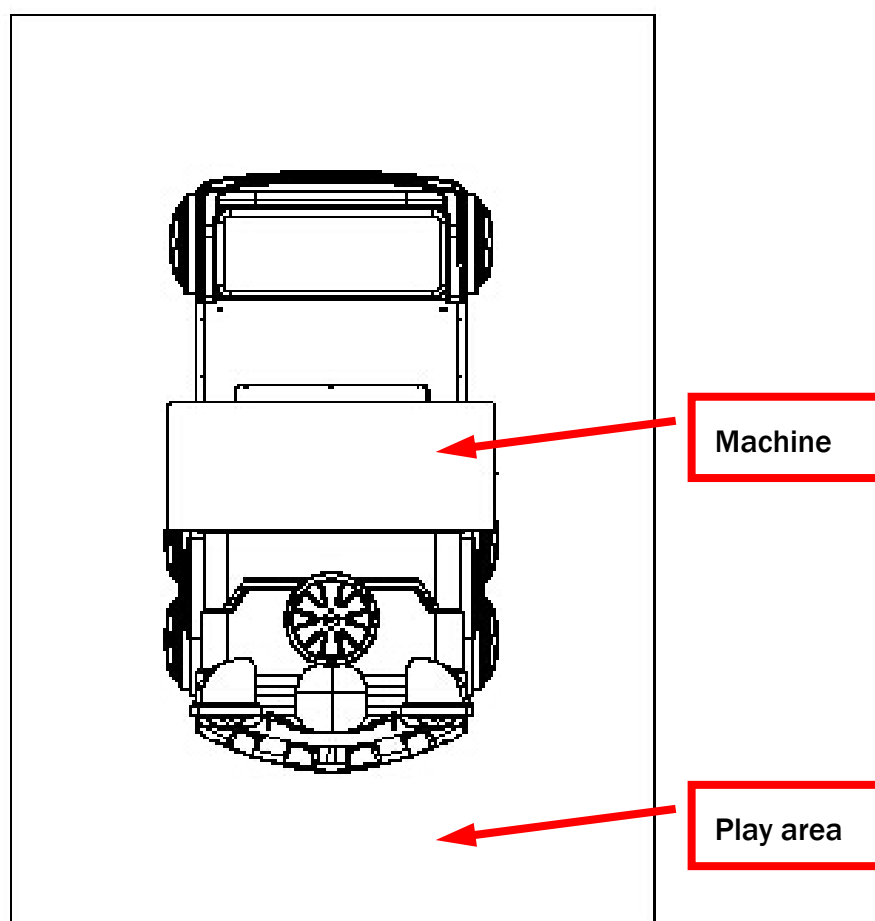
- Refer to IMPORTANT SAFETY INSTRUCTIONS (Pg. 2) for places to avoid
- Place the unit on a dry level surface
- Ventilation openings in the back of the unit must not be obstructed by objects or by wall.

4.1 Play Zone

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

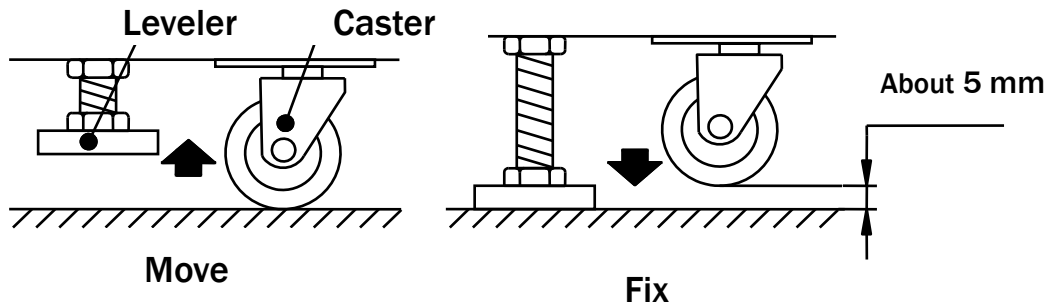
Leave space around the game upon installation:

Play Area: 50cm



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.

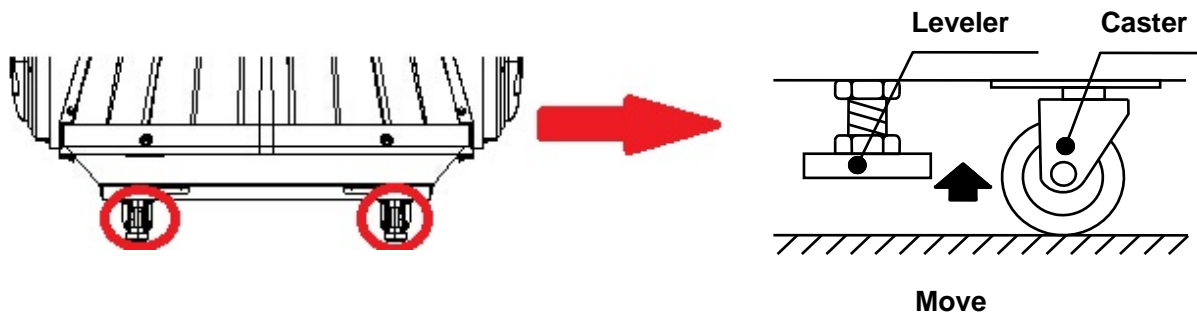


NOTICE

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

4.3 Transporting the Machine

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



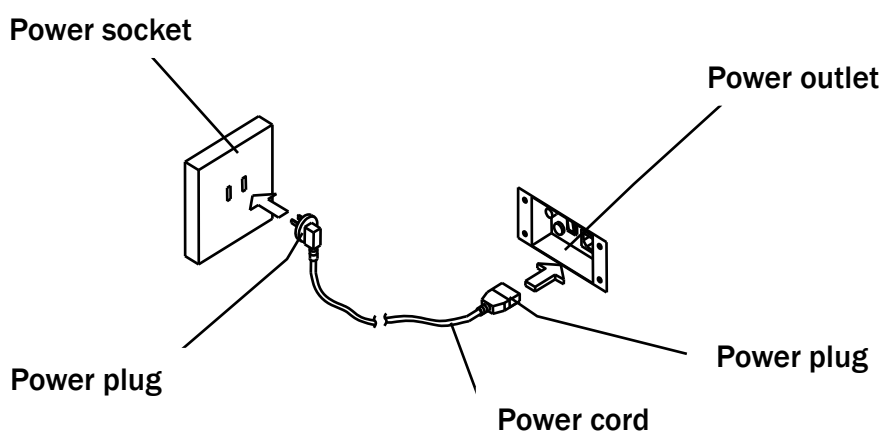
NOTICE

- 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.

4.5 Connecting Power

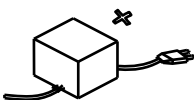
! **WARNING:** Check the voltage rating before you connect the equipment to an electrical outlet to ensure that the required voltage and frequency match the available power source. Please refer the label of the machine.

- 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):

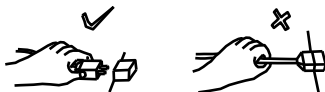


! **WARNING**

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.

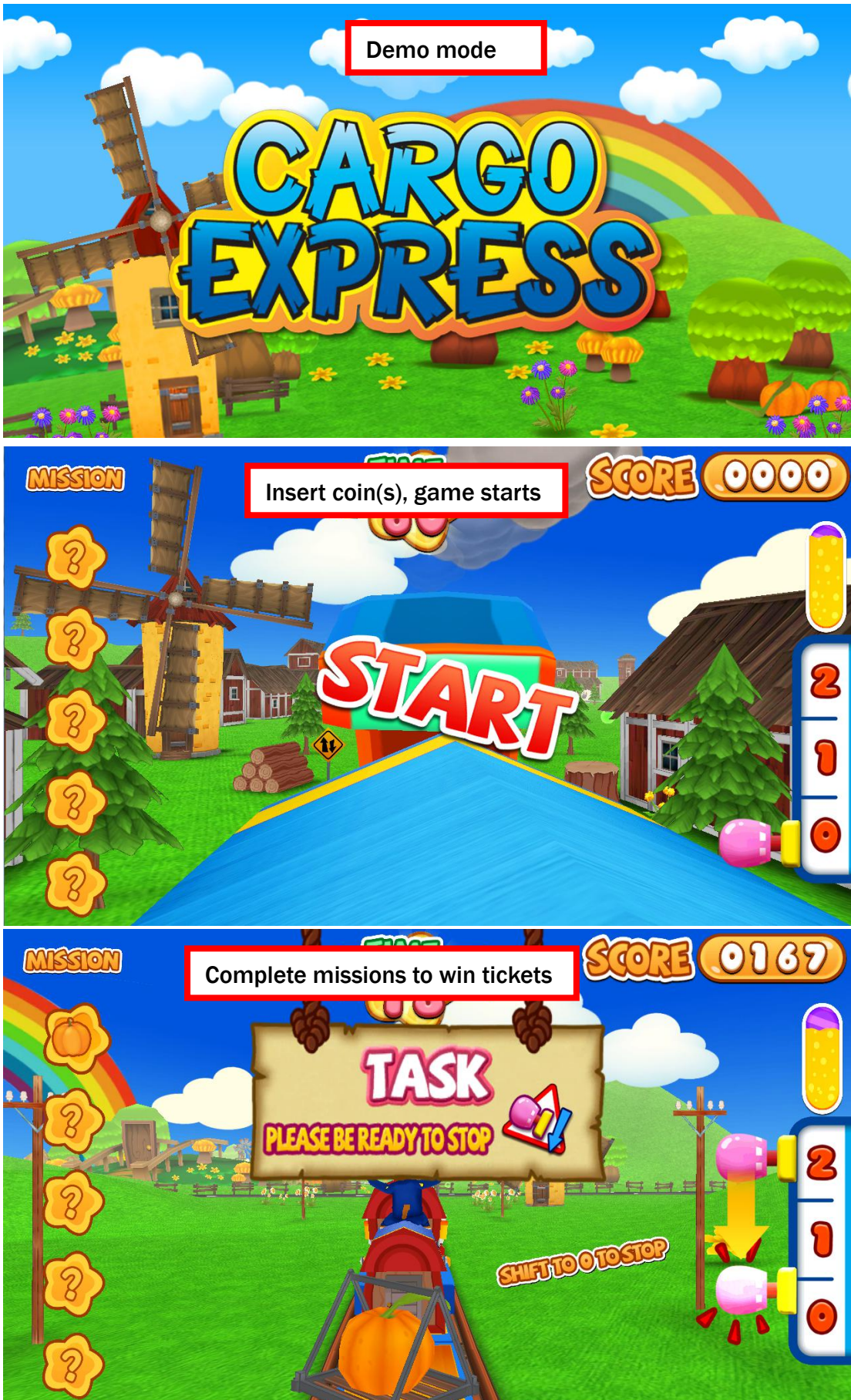


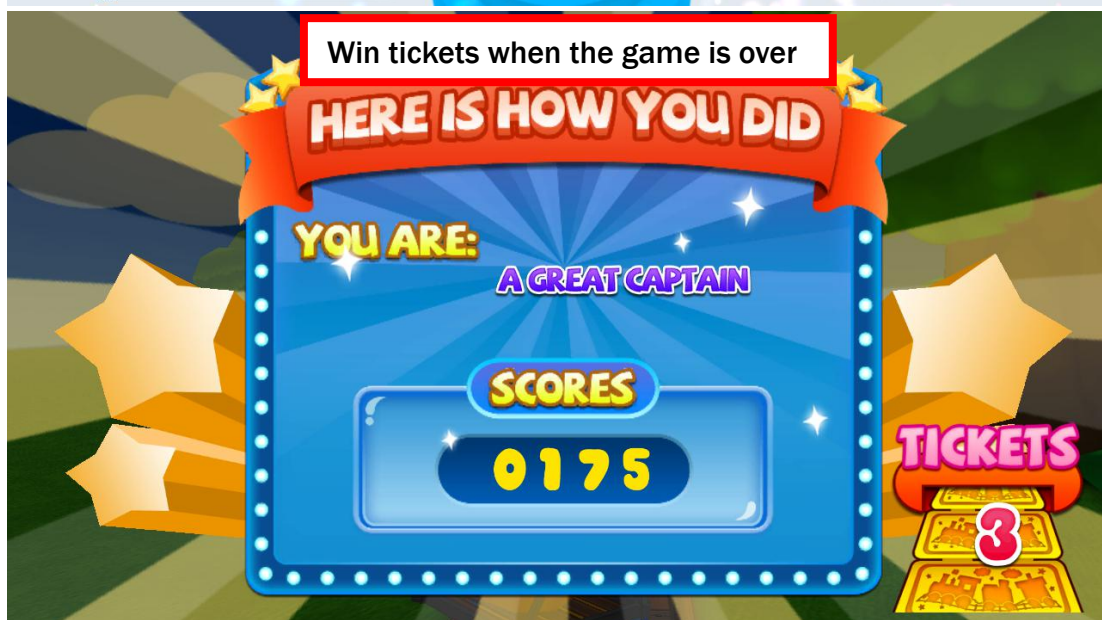
Ensure that nothing rests on the power cord and that it is not located where it can be stepped on or tripped over.



5. HOW TO PLAY

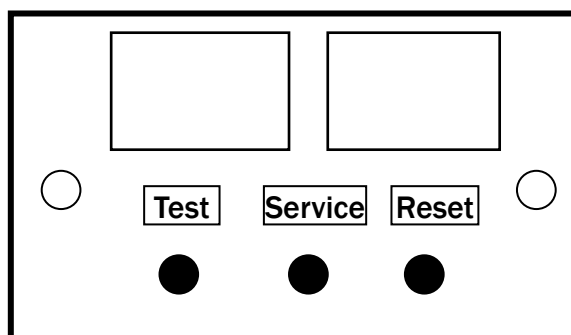
5.1 Game Flow





6. GAME OPTION

6.1 Adjustment button instruction



Open the coin door there is a meter panel. Press test button to get into the setting menu.

6.2 Setting menu

6.2.1 Main Menu

Main Menu
Basic Setting
Customized Setting
Input Test
Output Test
Game Reset
Date/Time Setting
Lanuage 语言
Bookkeeping
Daily Record
About This Game
Back to Game

6.2.2 Basic Setting

Free Play	OFF
Tickets Out	ON
Demo Music	ON
Memory Save	ON
Volume	10
Game time	45
Coins Per Game	1
Out of Ticket	call attendant
Back & Save	
Back	

6.2.3 Customized Setting

Fixed Tick	0
Divided by 2	OFF
Excellent Captain	5
Fantastic Captain	4
Great Captain	3
Good Captain	2
Back & Save	
Back	

6.2.4 Input Test

Coin	NO/OFF
Horn button	NO/OFF
Fireworks button	NO/OFF
View Button	NO/OFF
2 Gear/Normal Speed	ON/OFF
1 Gear/Slow	ON/OFF
0 Gear/Stop	ON/OFF
Back	

6.2.5 Output Test

View button light
Fireworks button light
Ticket Driver
Motor
Back

6.2.6 Game reset

Factory restore
 Reset Basic Setting
 Reset Customized Setting
 Clear all records
 Clear owed ticket
 Clear Unused Coin
 Back

6.2.7 Date/Time setting

Year	2013
Month	8
Day	27
Hour	15
Minute	22
Second	22
Back & Save	
Back	

6.2.8 Bookkeeping

Player	Coin	Tickets	Payout
1	0	0	0
NON RESETTABLE POINTS			
NON RESETTABLE TICKETS			
Back			

6.2.9 Daily Record

Date	Weekday	RunTime	Coins	Tickets	Payout
2013-8-27	SAT	00:10	0	0	0.00
Clear					
Back					

6.2.10 About this game

Press Settings button to Back	
CPU	Intel(R) Core(TM) I5-3450 CPU @ 3.10GHz
Mother board	MSI
HDD	ST500DM002-1BD142 ATA Device 465GB
RAM	3553MB
Monitor	LT32BM20(L)
Screen	1280X720/1360X768
Version	Cargo Express_V1.0

7.3 Problem Analysis and Solution

Problem	Reason	Solution
Plugged machine without reaction	<ol style="list-style-type: none"> 1.Incongruent power 2. leakage protection switch 3. No 110v voltage 	<ol style="list-style-type: none"> 1.Whether power is accord with the machine 2.Detecting leakage switch is off, please turn on 3.Change power voltage
After electrify, hear WINDOWS startup voice but no game interface display and blank screen	<ol style="list-style-type: none"> 1.VGA holding line is loosen 2.Monitor damaged 3.Games reporting error 	<ol style="list-style-type: none"> 1. Check PC VGA holding wire is loosen, If loose to pull plug this line .If it's not this port problem, continue to check display VGA signal wire is loose. 2.Change monitor , if monitor is damaged, please dial this No.: 4006-020-321. 3. Update the game again
The power on ,display blue-screen and no sound	<ol style="list-style-type: none"> 1.PC power is loosen 2. VGA holding wire connects PC and monitor is loosen 3. PC video card loosen 4. PC on safeguard mode 	<ol style="list-style-type: none"> 1. Check PC power is loosen 2. Check VGA holding wire connects PC and monitor is loosen 3.Take apart PC cover, insert video card again. 4.Open front cover, if boot lamp has been flash, press start button for 30 seconds, restart again then .If you cannot solve problems, Please dial this No.:8008108888
Operation can appear system halted sometimes	<ol style="list-style-type: none"> 1. video card loosen or bad connection 2. PC crash 	<ol style="list-style-type: none"> 1. Insert video card again 2. Restart or system restore
Coin mech. No reaction	<ol style="list-style-type: none"> 1.Coin mech. damaged 2.holding wire loosen 3.No DC12V 4.IO control board damaged 	<ol style="list-style-type: none"> 1. Change coin mech. 2. check holding line is loosen 3. change switching voltage 4. change IO control board

Problem	Reason	Solution
Can play the game but there was no voice	<ol style="list-style-type: none"> 1. POT off 2. audio line is loosen 3. amplifier is damaged 4. speaker is damaged 	<ol style="list-style-type: none"> 1. Adapt the POT 2. Check audio line is loosen of PC on picture 1 3. Send to factory to repair 4. change a speaker
The power is on ,PC, display, amplifier is normal, but could not enter the game screen	<ol style="list-style-type: none"> 1. VGA serial port is loosen 2. IO control board is damaged 3. Dongle is damaged 	<ol style="list-style-type: none"> 1. Check PC and IO control board's VGA serial is loosen 2. Change IO control board 3. Change dongle
The interface bright lights didn't work	<ol style="list-style-type: none"> 1. DC12V connecting line is loosen 2. switching voltage is damaged 3. DC12V connecting line is short circuit 4. light control panel is damaged 	<ol style="list-style-type: none"> 1. check 12V connecting line is loosen 2. change SW power 3. check 12Vconnecting line is short circuit 4. change light control board

7.4 Coin Mech. Instruction

1. Spec.:

Applicable coins diameter: 21mm ~28mm

Apply thickness of coins: 1.7mm ~2.0mm

Operating voltage: DC +12V

Operating temperature: -15°C ~+75°C

2.Usage:

a. Insert coins into groove you need.

b. Cooperate the need with machine of receive signal to inset coins. Changing-over three time switches—fast, medium, and slow, but the “medium” is the factory settings.

c. VR knob is to adjust the coins 'sensitivity, clockwise (+) to spin is loose, otherwise, tight.

Adjust VR knob according to any kinds of coin, no coin or less coin, towards to (+), otherwise, towards to(-).

8. MAINTENANCE & INSPECTION

8.1 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

8.2 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

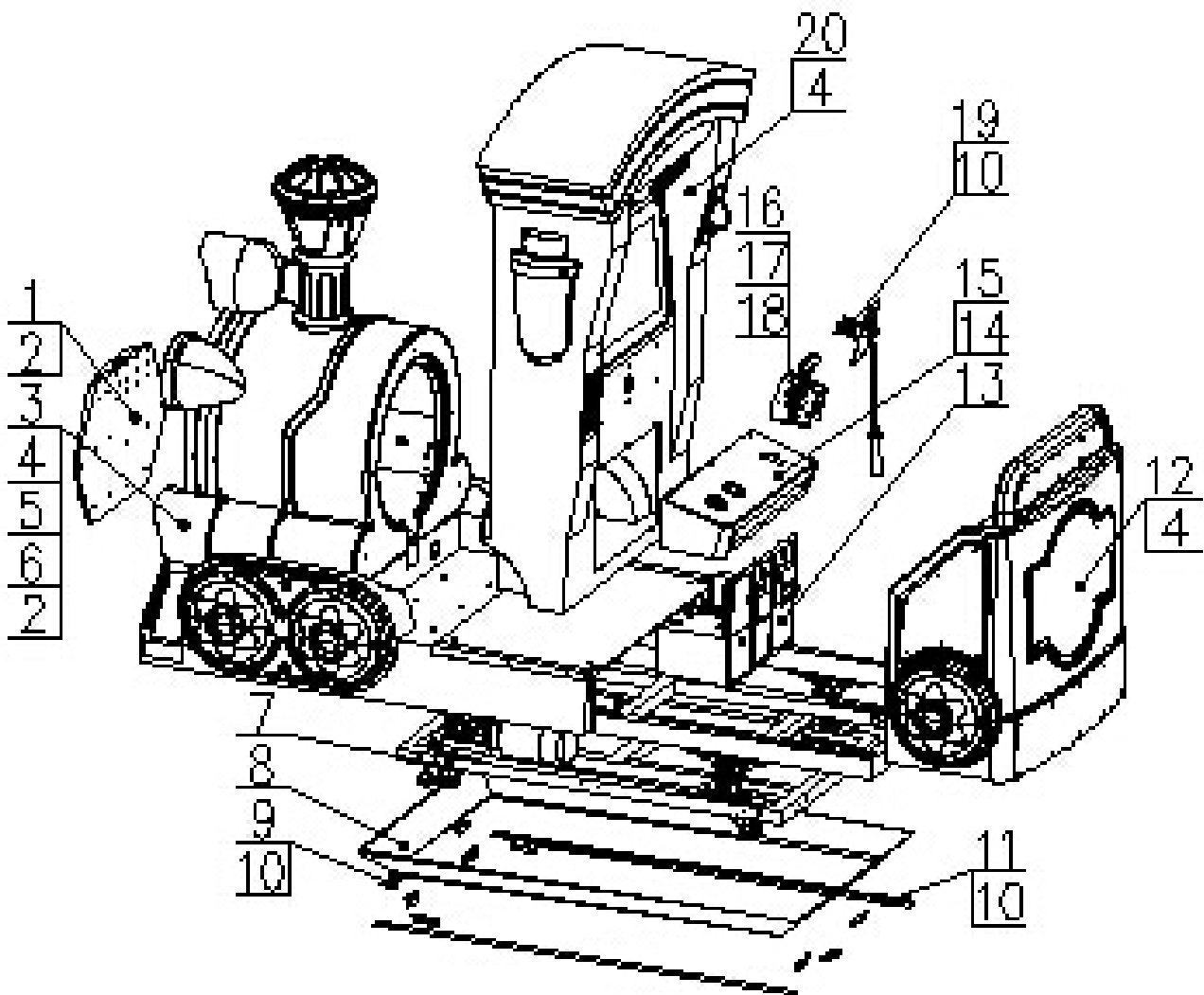


WARNING

- 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.

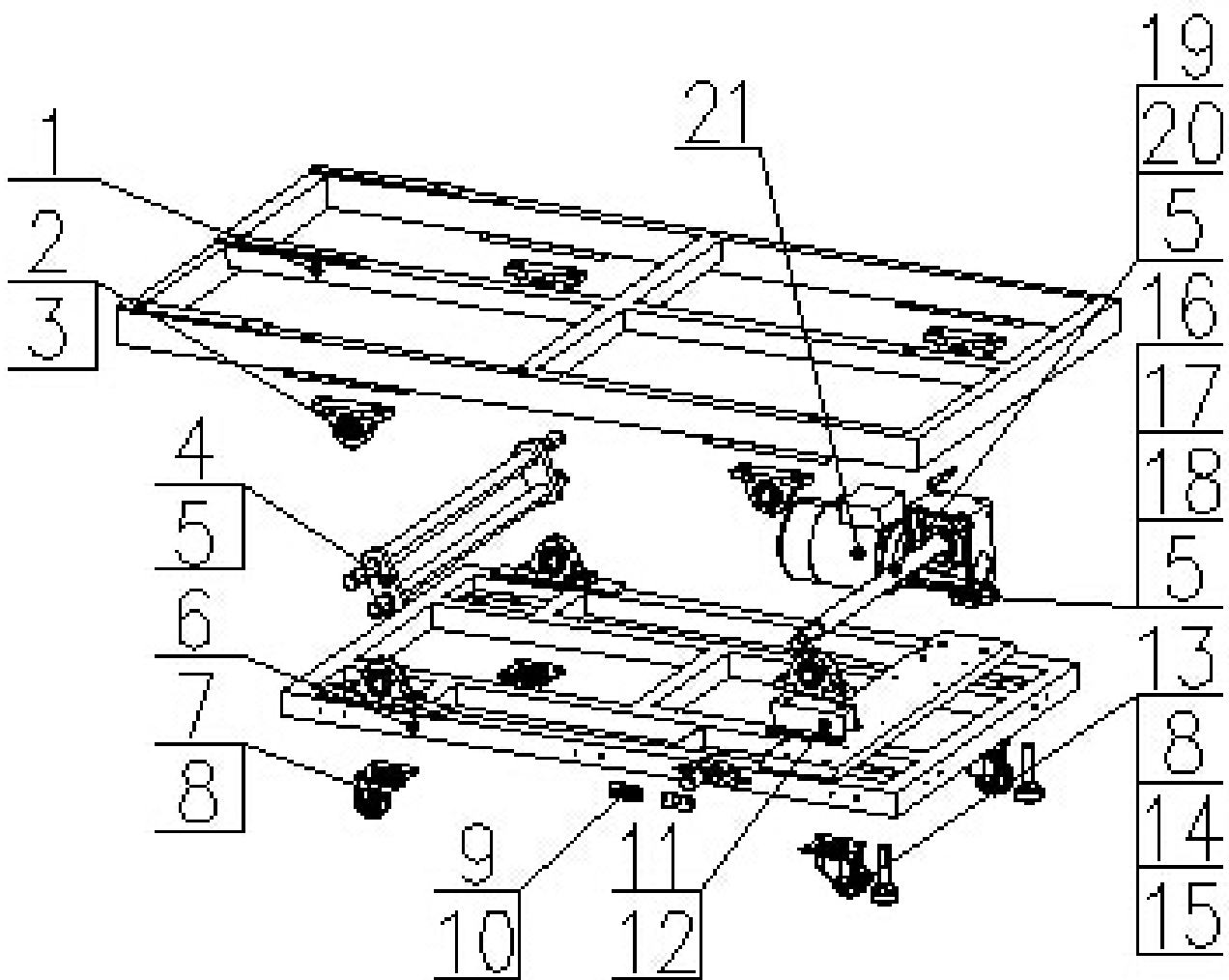
9. OVERALL CONSTRUCTION

9.1 General Assembly Part



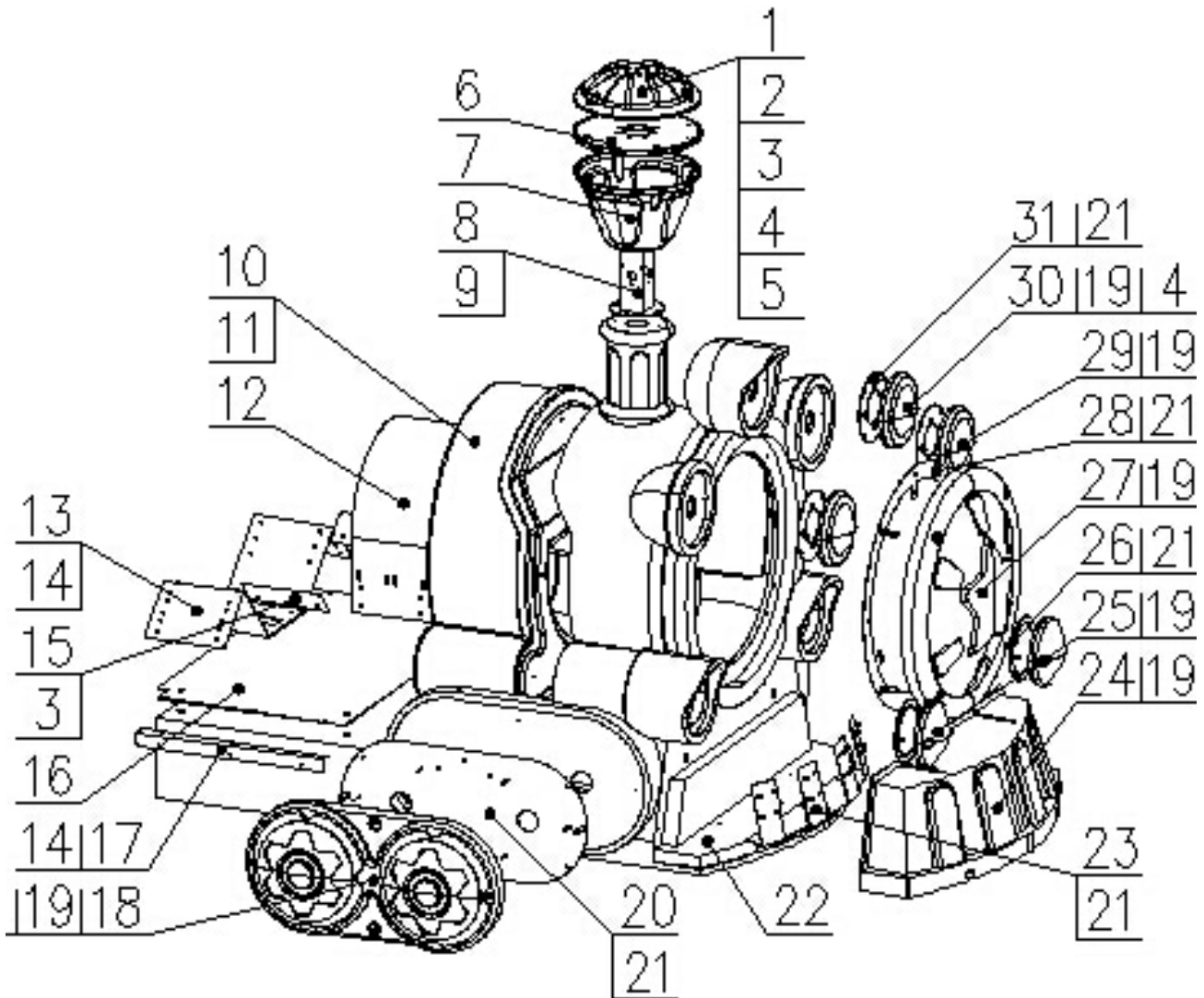
No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-009-000	29951409009	Circuit board assy.	Assembly	1
2	C137-136-000	20101020039	Cross recessed pan head screw suite	Q235	11
3	C137-002-000	29951409002	Train head assy.	Assembly	1
4	C137-114-000	20104100014	Cross recessed sink hexagon screw kit	Stainless steel	15
5	C137-137-000	20101100015	Hexagon flat round head screws	Stainless steel	4
6	C137-141-000	20101010036	Cross recessed pan head screw suite	Q235	4
7	C137-001-000	29951409001	Base assy.	Assembly	1
8	C137-203-000	20251409045	Protected cover	Steelφ4+leather	1
9	C137-207-000	20251409013	Protected cover plate 1	δ1.5 black	14
10	C137-141-000	20101010036	Cross recessed pan head screw suite	Q235	42
11	C137-208-000	20251409014	Protected cover plate 2	δ1.5 black	2
12	C137-005-000	29951409005	Seat assy.	Assembly	1
13	C137-006-000	29951409006	Coin box assy.	Assembly	1
14	C137-004-000	29951409004	Control panel assy.	Assembly	1
15	C137-116-000	20102100003	Non-metallic hexagon lock nut	Stainless steel	6
16	C137-007-000	29951409007	Shift assy.	Assembly	1
17	C137-124-000	20102100022	Non-metallic hexagon lock nut	Stainless steel	4
18	C137-125-000	20101108018	Hexagon flat round head screws	Stainless steel	2
19	C137-008-000	29951409008	Rope assy.	Assembly	1
20	C137-003-000	29951409003	Train body assy.	Assembly	1

9.2 Base Assembly Part



No	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-216-000	20251409062	Motion frame	Welding assy.	1
2	C137-401-000	20106130030	Insert BD.	UCP205	7
3	C137-101-000	20101000191	Cross recessed pan head screw	M12×30	14
4	C137-223-000	20251409064	Driven shaft	Welding assy.	1
5	C137-107-000	20105000197	A type circlip for shaft	do25	8
6	C137-209-000	20251409061	Fixed bracket	Welding assy.	1
7	C137-402-000	25501000052	Fixed caster	3-2688-52	2
8	C137-102-000	20104010003	Cross recessed hexagon screw kit	M6×20 black	16
9	C137-228-000	20251409021	Power plate	Q235	2
10	C137-103-000	20101010035	Cross recessed pan head screw suite	M4×12 black	4
11	C137-220-000	20251409019	Supported plate	Q235	1
12	C137-108-000	20101020174	Cross recessed pan head screw suite	Q235	8
13	C137-403-001	25501000047	Caster	3-2689-52	2
14	C137-295-000	26000008000	Leveller	Q235	2
15	C137-104-000	20102000014	Hexagon nut	M16	2
16	C137-222-000	20251409063	Eccentric block	Welding assy.	2
17	C137-105-000	20101000190	Cross recessed pan head screw	M10×45	2
18	C137-106-000	20102000001	Non-metallic hexagon lock nut	M10	2
19	C137-221-000	20251409003	Driving shaft	Black	1
20	C137-227-000	20251409006	Flat key	8x8x90	1
21	C137-404-000	23405010017	Motor(with Gearbox)	YL7124-370W-220V/ NMRV050-60K-B14	1
	C137-446-000	23405010011	Motor	YL7124-110V 370W	1
	C137-447-000	26601090247	Gearbox	/	1

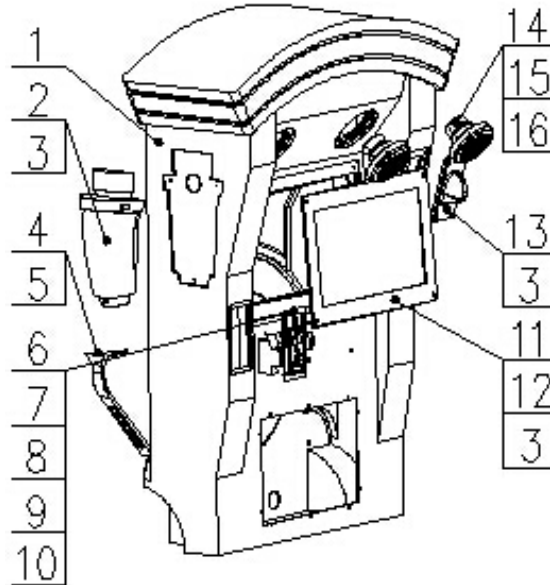
9.3 Train Head Assembly Part



No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-231-000	20651409014	Chimney top cover	Acrylic	1
2	C137-132-000	20101030161	Hexagon flat round head screws	Q235	4
3	C137-115-000	20102030011	Hexagon flange nut	Q235	8
4	C137-111-000	20113000055	C flat washer	4×1h	36
5	C137-299-000	26000053000	Rubber pad B	Black rubber	36
6	C137-234-000	20651409017	Chimney light plate	Acrylic	1
7	C137-230-000	20651409013	Chimney bottom cover	Acrylic	1
8	C137-235-000	20251409022	Chimney bracket	Q235	1

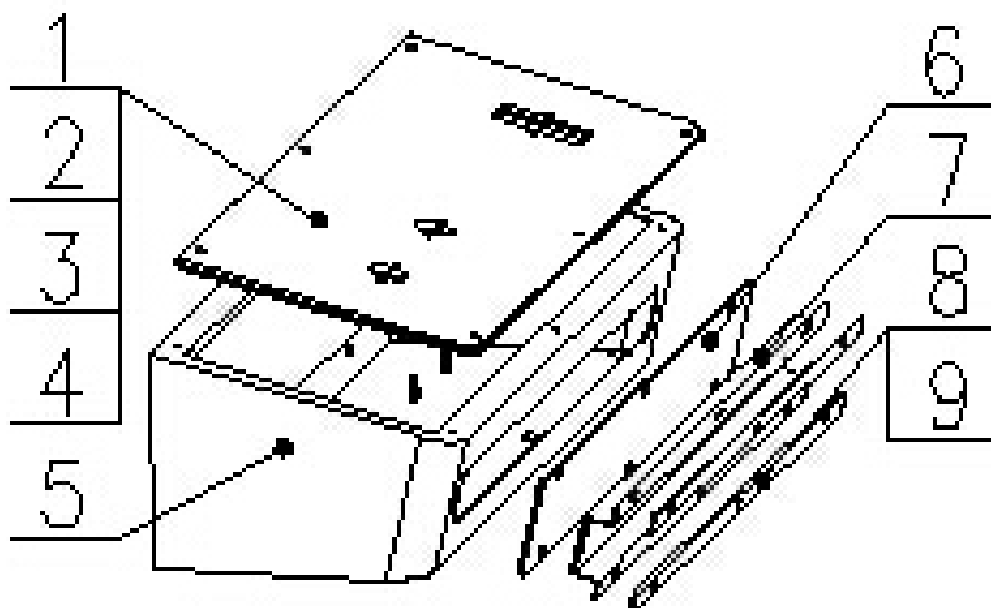
No.	Part No.	Code No.	Name	SPEC./Material	Qty
9	C137-117-000	20101020034	Cross recessed pan head screw suite	Q235	4
10	C137-229-000	20651409008	Train head body	Clear PC	1
11	C137-113-000	20104020002	Cross recessed hexagon screw kit	Q235	6
12	C137-238-000	20651409002	Train head body light plate	PVC	1
13	C137-237-000	20251409050	Light plate bracket 2	Metal	1
14	C137-131-000	20103000018	Cross recessed pan head self-tapping screw	ST4.2×12 GB845-85	10
15	C137-239-000	20251409051	Light barrier	Metal	2
16	C137-246-001	20251409066A	Antiskid plate	Aluminum plate	1
17	C137-247-000	20251409001	Side plate	304	1
18	C137-703-000	20551409004	Front wheel	δ3.0Clear acrylic	2
19	C137-133-000	20101030005	Hexagon flat round head screws	Q235	28
20	C137-244-000	20251409055	Front wheel bracket	Metal	2
21	C137-134-000	20103021001	Cross recessed sunk head self-tapping screw	Q235	32
22	C137-502-001	20451409001A	Train head	Fiberglass	1
23	C137-236-000	20251409049	Light plate bracket 1	Metal	1
24	C137-248-000	20651409023	Train head protector	5mm PC	1
25	C137-233-000	20651409016	Train head bottom light	Acrylic	2
26	C137-243-000	20251409054	Bottom light plate bracket	Metal	2
27	C137-701-000	20551409A001	Train head cover	δ3.0Clear acrylic	1
28	C137-240-000	20251409052	Train head bracket	Metal	1
29	C137-702-000	20551409002	Eye panel	δ 3.0Clear acrylic	1
30	C137-232-000	20651409015	Train head upper light	Acrylic	1
31	C137-242-000	20251409053	Upper light plate bracket	Metal	1

9.4 Train Body Assembly Part



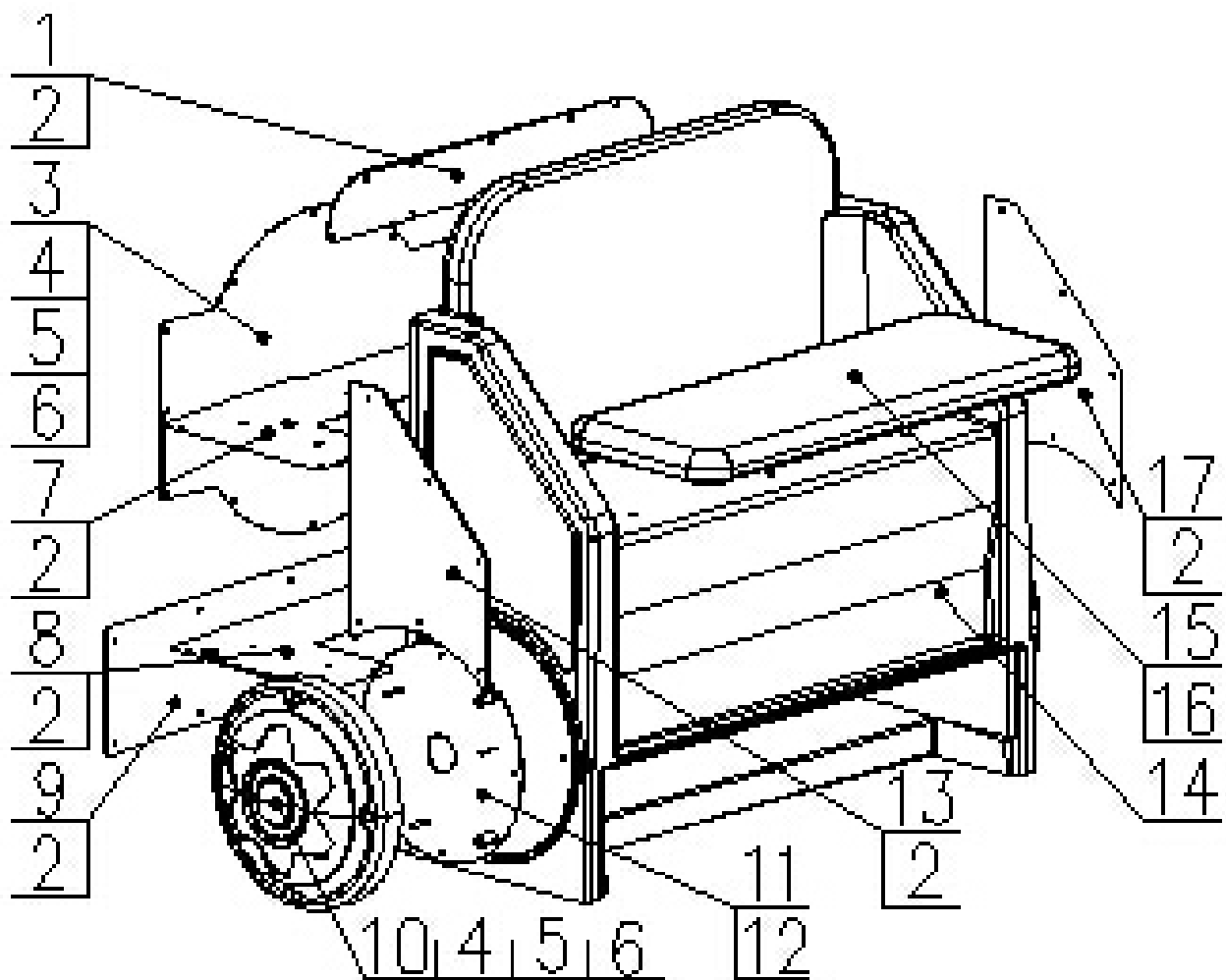
No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-504-000	20451409002	Train body	Fiberglass	1
2	C137-250-000	20651409009	Side light	Clear PC	2
3	C137-126-000	20101030006	Hexagon flat round head screws	Q235	14
4	C137-251-000	20251409056	Coin funnel	Metal	1
5	C137-128-000	20102030010	Hexagon flange nut	Q235	2
6	C137-252-000	20251409024	Coin door frame	Q235	1
7	C137-253-000	20251409025	Coin door plate	Q235	1
8	C137-407-000	25300171001	Lock	171	1
9	C137-254-000	20251409057	Lock plate	Lock plate	1
10	C137-127-000	20111000002	Blind rivet	4×12 GB/T12618-1990	4
11	C137-705-000	20551409006	Monitor decal	δ5.0Clear acrylic	1
12	C137-297-000	26000041000	screw pad	ABS	4
13	C137-505-000	20451409003	Rope cover	Fiberglass	1
14	C137-304-000	26000057002	Speaker drill bracket	Metal	2
	C137-305-000	26000057003	Speaker drill cover	white PC	2
15	C137-129-000	20101030007	Hexagon flat round head screws	Q235	8
16	C137-130-000	20103020004	Cross recessed sunk head self-tapping screw	Q235	8

9.5 Control Panel Assembly Part



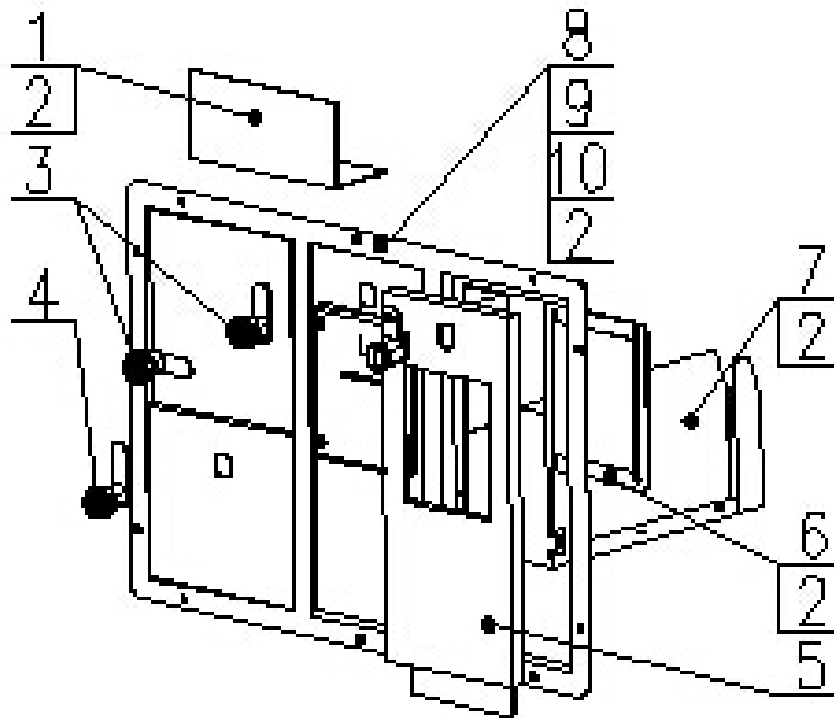
No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-706-000	20551409A007	Control panel	δ5.0 Clear acrylic	1
2	C137-111-000	20113000055	C flat washer	Q235	6
3	C137-299-000	26000053000	Rubber pad B	Black rubber	6
4	C137-110-000	20101030066	Hexagon flat round head screws	Q235	6
5	C137-255-000	20251409026	Control panel bracket	Q235	1
6	C137-256-000	20651409018	Control panel light panel	Acrylic	1
7	C137-258-000	20651409003	Control panel light bracket	PVC	1
8	C137-257-000	20251409058	Light plate	Metal	2
9	C137-115-000	20102030011	Hexagon flange nut	Q235	6

9.6 DBV Door Assembly Part



No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-712-000	20551409A013	Seat upper decal	ø2.0 PVC reversed screen	1
2	C137-109-000	20103000027	Cross recessed pan head self-tapping screw	Q235	36
3	C137-707-000	20551409008	Seat back decal	ø3.0 Clear acrylic	1
4	C137-110-000	20101030066	Hexagon flat round head screws	Q235	18
5	C137-111-000	20113000055	C flat washer	Q235	18
6	C137-299-000	26000053000	Rubber pad B	Black rubber	18
7	C137-261-000	20651409012	Seat light plate 2	Clear PVC	1
8	C137-260-000	20651409011	Seat light plate 1	Clear PVC	1
9	C137-716-000	20551409017	Seat bottom decal	ø2.0 PVC reversed screen	1
10	C137-704-000	20551409005	Back wheel	ø3.0 Clear acrylic	2
11	C137-262-000	20251409059	Back wheel bracket	Metal	2
12	C137-112-000	20101020017	Cross recessed sunk head screw	Q235	8
13	C137-710-000	20551409011	Seat decal R	ø2.0 PVC reversed screen	1
14	C137-259-001	20651409010A	Seat	Clear PC	1
15	C137-202-000	20631402013	Cushion	Rubber (blue)	1
16	C137-113-000	20104020002	Cross recessed hexagon screw kit	Q235	6
17	C137-709-000	20551409010	Seat decal L	ø2.0 PVC reversed screen	1

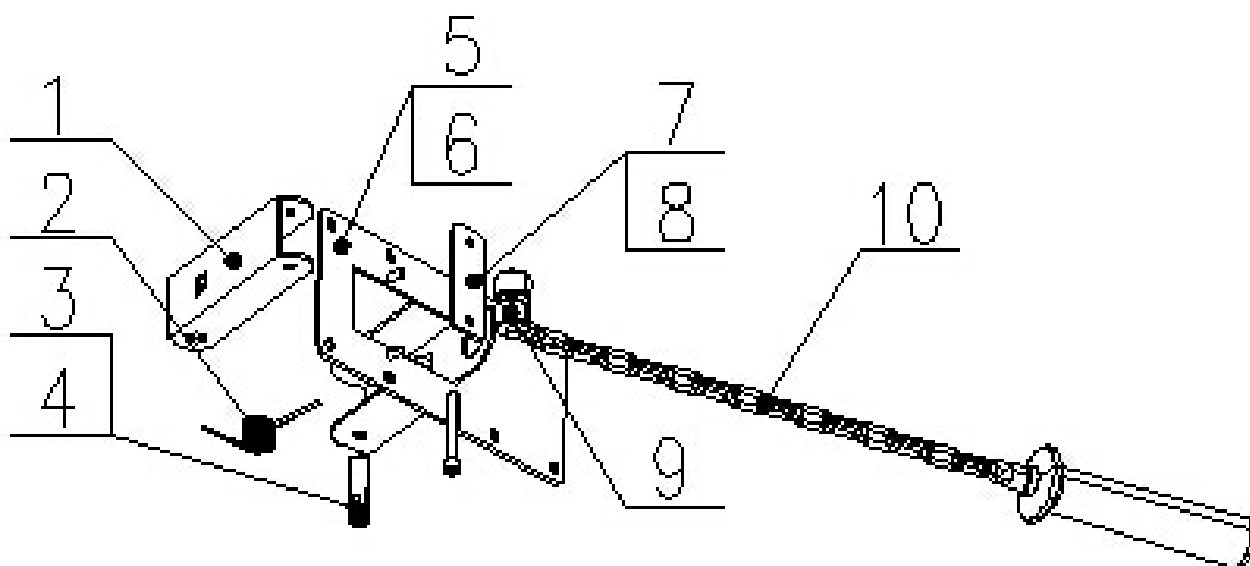
9.7 Coin Mech. Door Assembly Part



No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-298-000	26000044000	Counter bracket	Metal	1
2	C137-115-000	20102030011	Hexagon flange nut	Q235	20
3	C137-407-000	25300171001	Lock	171	2
4	C137-408-000	25300172001	Lock	171B	2
5	C137-268-000	20251409032	DBV door plate	Q235	1
6	C137-269-000	20251409033	DBV door cover	Q235	1
7	C137-270-000	20251409034	Ticket bin	Q235	1
8	C137-263-000	20251409027	Coin door assy.	Q235	1
9	C137-142-000	20104010007	Big step bolt	Q235	1
10	C137-143-000	20104010013	Big step bolt	M4×25 black	9

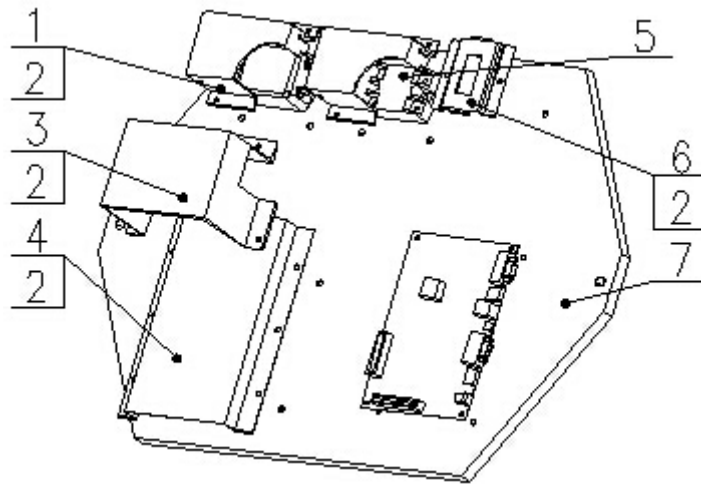
No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-274-000	20251409007	BD. seat	45#	2
2	C137-117-000	20101020034	Cross recessed pan head screw suite	Q235	1
3	C137-405-000	20106000088	Deep groove ball BD.	61900	2
4	C137-276-000	20651409001B	Joystick	ABS	1
5	C137-118-000	20101020037	Cross recessed pan head screw suite	Q235	1
6	C137-278-000	20651409007	Guide block	Nylon	1
7	C137-119-000	20101000101	Cross recessed pan head screw	Q235	2
8	C137-282-000	20251409011	Tension spring	65Mn	1
9	C137-275-000	20251409008	Rotation shaft	45#	1
10	C137-271-000	20251409035	Shift bracket	Q235	1
11	C137-279-000	20251409037	Eccentric wheel	Q235	1
12	C137-272-000	20251409036	Location bracket	Q235	1
13	C137-123-000	20104020004	Cross recessed hexagon screw kit	Q235	1
14	C137-406-000	20106000313	Deep groove ball BD.	619/6-2Z	3
15	C137-273-000	20251409060	Shift sensor plate	Metal	1
16	C137-121-000	20101020023	Cross recessed pan head screw	Q235	2
17	C137-122-000	20113000014	A&C class big washer	3×0.8h GB/T96-1985	2
18	C137-281-000	20251409009	Location shaft	45#	3
19	C137-120-000	20104023010	Cross recessed hexagon screw kit	M6×12 Color Zinc	6
20	C137-280-000	20651409019	Rubber cover	φ16	2

9.9 Caster Assembly Part



No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-284-000	20251409039	Rotation plate	Q235	1
2	C137-289-000	20251409012	Torsional spring	65Mn	2
3	C137-286-000	20251409010	Rotation shaft	45#	1
4	C137-139-000	20101020046	Cross recessed pan head screw suite	Q235	2
5	C137-283-000	20251409038	Rope bracket	Q235	1
6	C137-113-000	20104020002	Cross recessed hexagon screw kit	Q235	1
7	C137-285-000	20251409040	Baffle	Q235	1
8	C137-140-000	20102020011	hexagon flange nut	Q235	2
9	C137-290-000	20651409020	Spacer bush	Rubber	1
10	C137-287-000	20651409006	Rope handle	Rubber Black PU	1

9.10 Caster Assembly Part



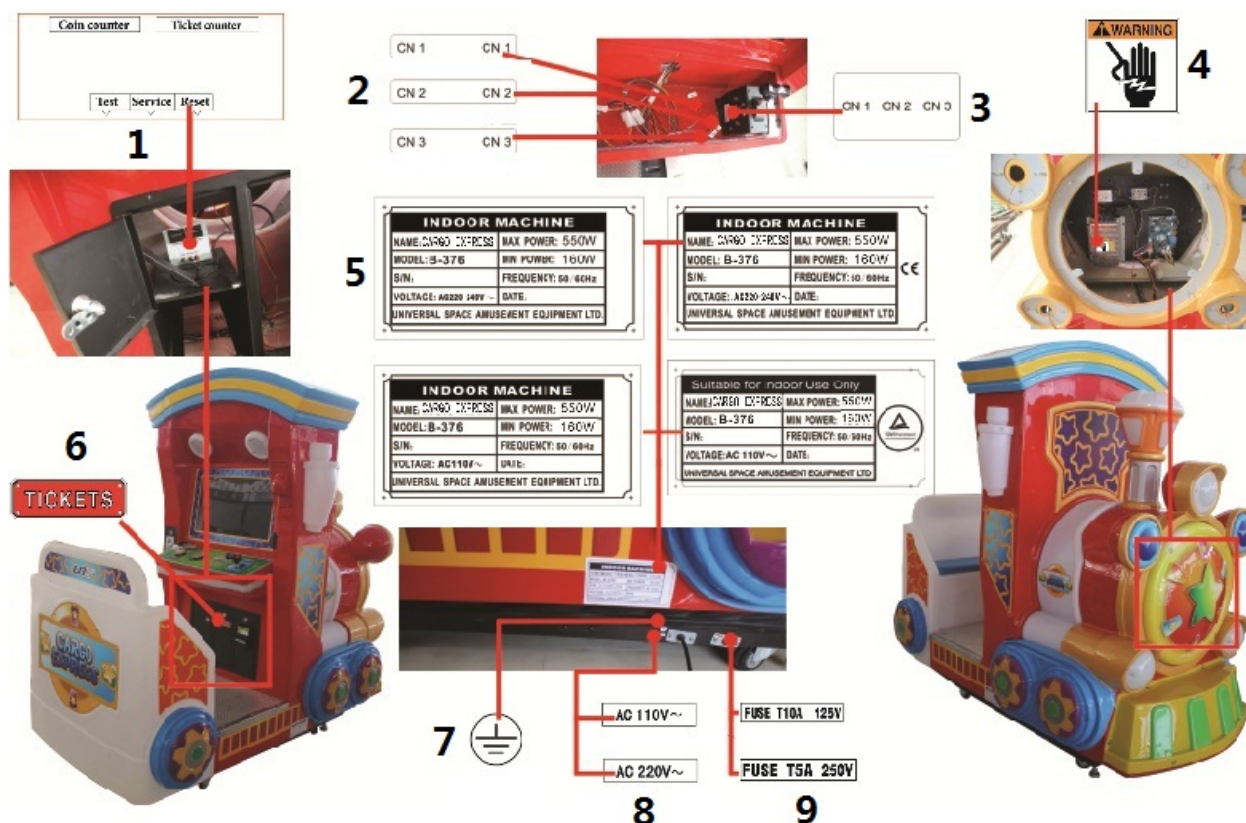
No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-292-000	20651409005	Protected cover	PVC	2
2	C137-146-000	20101020035	Cross recessed pan head screw suite	Q235	22
3	C137-291-000	20651409004	Power cover	PVC	1
4	C137-294-001	26000001000C	Power supply bracket	Metal	1
5	C137-201-000	20241218010	Reply mounted plate	Metal	1
6	C137-293-000	20251409041	Battery plate	Q235	1
7	C137-506-000	20351409002	Electrical parts mounted plate	MDF black laminated plate	1

9.11 Decal Part 1



No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-711-000	C137-711-000	Train body decal	0.3PVC reversed screen	1
2	C137-708-000	20551409A009	Head light decal	0.3 PVC reversed screen	2
3	C137-702-000	20551409002	Eye panel	δ3.0 Clear acrylic	2
4	C137-701-000	20551409A001	Train head cover	δ3.0 Clear acrylic	1
5	C137-704-000	20551409005	Back wheel	δ3.0 Clear acrylic	2
6	C137-703-000	20551409004	Front wheel	δ3.0 Clear acrylic	2
7	C137-717-000	20551409018	Train head decal L	0.3PVC reversed screen	1
8	C137-718-000	20551409A019	Train head top decal	0.3PVC reversed screen	1
9	C137-719-000	20551409020	Train head decal R	0.3PVC reversed screen	1
10	C137-705-000	20551409006	Monitor decal	δ5.0 Clear acrylic	1
11	C137-712-000	20551409A013	Seat upper decal	δ2.0 PVC reversed screen	1
12	C137-707-000	20551409A008	Seat back decal	δ3.0 Clear acrylic	1
13	C137-716-000	20551409017	Seat bottom decal	δ2.0 PVC reversed screen	1
14	C137-709-000	20551409010	Seat decal L	δ2.0 PVC reversed screen	1
	C137-710-000	20551409011	Seat decal R	δ2.0 PVC reversed screen	1
15	C137-715-000	20551409016	Train body side decal	0.3PVC reversed screen	2
16	C137-713-000	20551409014	Train body decal L	0.3PVC reversed screen	1
	C137-714-000	20551409015	Train body decal R	0.3PVC reversed screen	1
17	C137-720-000	20551409A021	Control panel button decal 1	0.3PVC reversed screen	1
	C137-721-000	20551409A022	Control panel button decal 2	Control panel button decal 2	1
18	C137-706-000	20551409A007	Control panel	Control panel	1

9.12 Decal Part 2



No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-728-000	20511406E020	Counter label	PVC100u sticker	1
2	C137-725-000	20551409026	Label 01	PVC100u sticker	1
	C137-726-000	20551409027	Label 02	PVC100u sticker	1
	C137-727-000	20551409028	Label 03	PVC100u sticker	1
3	C137-724-000	20551409025	Label	PVC100u sticker	1
4	C137-731-000	25600000036	Warning label	PVC100u sticker	1
5	C137-723-000	205514090A24	Uncertified 220V nameplate	1MM PVC	1
	C137-722-000	205514090A23	CE 220V nameplate	1MM PVC	1
	C137-734-000	205514090A25	Uncertified 110V nameplate	1MM PVC	1
	C137-735-000	205514090A26	TUV 110V nameplate	1MM PVC	1
6	C137-730-000	25600000034	Ticket label	PVC100u sticker	1
7	C137-733-000	25600000091	GND label	PVC100u sticker	1
8	C137-729-000	25600000072	220V label	PVC100u sticker	1
	C137-736-000	25600000071	110V label	PVC100u sticker	1
9	C137-732-000	25600000074	T5A/250V fuse label	PVC100u sticker	1
	C137-737-000	25600000083	10A/125V Fuse label	PVC100u sticker	1

9.13 Electrical Part 1



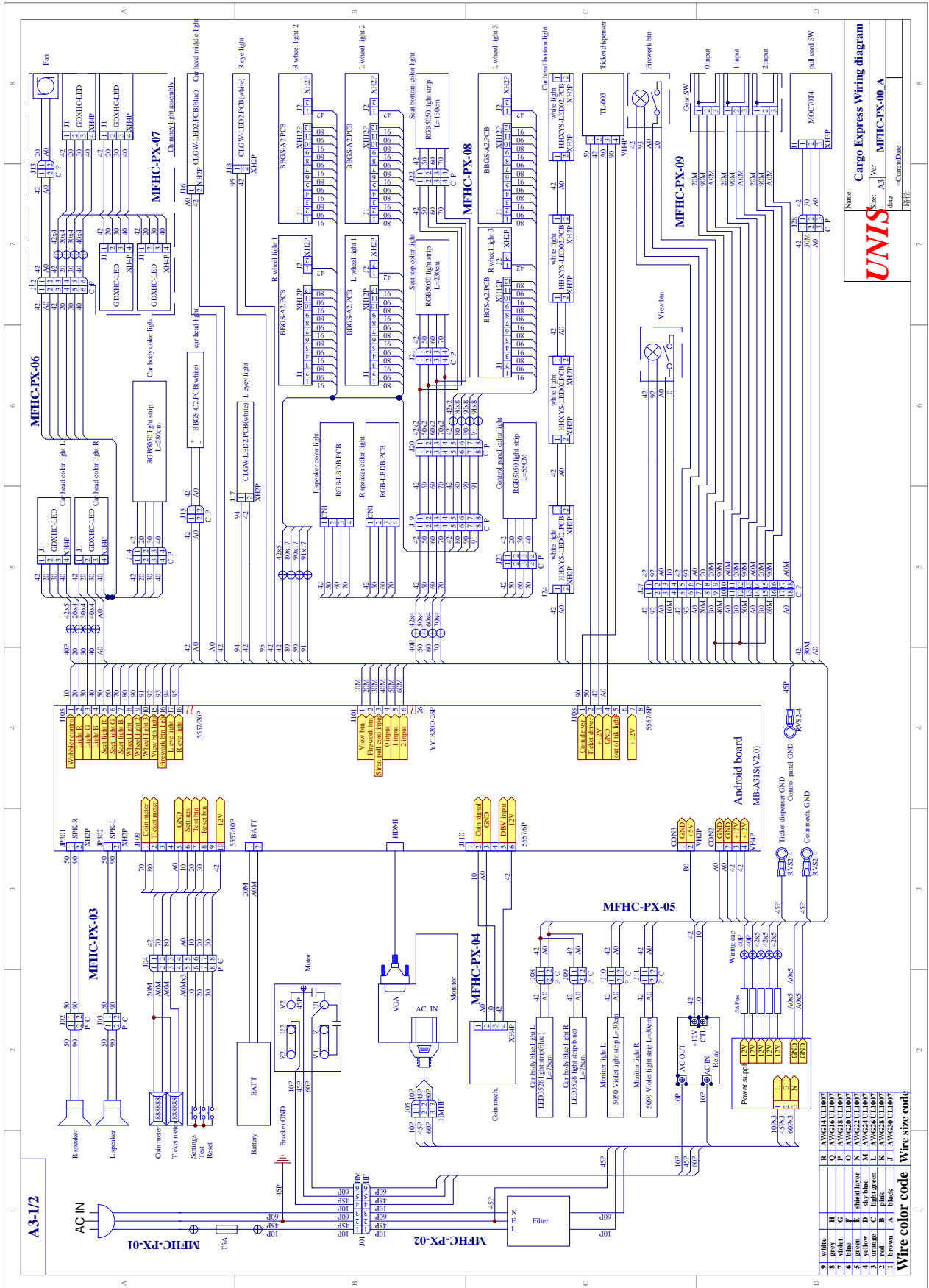
No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-420-000	C137-420-000	LED light board	GDXHC-LED.PCB(V1.0)	6
	C137-440-000	C137-440-000	DC fan	DC12V 80×80	1
2	M122-421-000	22002013002	RGB light belt	DC12V 5050LED 3 color LED	3
3	C137-422-000	22002013004	LED light belt	DC12V 3528LED 60pcs/m blue	2
4	C137-437-000	29711012002	Wheel light	BBGS-A2.PCB(V1.0)	6
5	C137-425-000	22002015007	Side light belt	RX5050PR-DC12V-60Z/m violet	2
6	C137-444-000	29751409001	Head light board	CLGW-LED2 blue	1
7	C137-435-000	29710805012	Eye light board	CLGW-LED2.PCB white	4
8	C137-438-000	29711012006	Head ring light board	BBGS-C2.PCB(V1.0)	1
9	C137-436-000	29741003001	Head protector light board	HHXYS-LED02.PCB(V1.0) white light	4
10	C137-428-000	23201000002	Filter	YE20T4L2 20A	1
11	C137-429-000	22140000004	Solid state relay	SSR-40DA	1
12	C137-415-000	21602000004	Power supply	EPT-S150S12(12V/12.5A)	1
13	C137-427-000	21107210020	A31S Android board	MB-A31S(V2.0)	1
	C137-443-000	C137-443-000	Battery	HSLD350709,3.70V/2500mAh	1
14	C137-445-000	23309000194	Cable set		1

9.14 Electrical Part 2



No.	Part No.	Code No.	Name	SPEC./Material	Qty
1	C137-424-000	29731402001	Speaker light board	RGB-LBDB.PCB(1.0)	2
	C137-434-000	22801000047	Speaker	4",8Ω,15W	2
2	C137-426-000	21201021004	Monitor	21.6"	1
	C137-430-000	23307010001	DVI-HDMI cable	DVI-HDMI(3.0M)	1
	C137-414-000	23301050002	Monitor power cord	3×0.75mm 0.5m	1
3	C137-418-000	22301000001	Coin mech.	Comparator	1
4	C137-431-000	22401000005	Button	White Φ60	2
	C137-432-000	22604000006	Micro SW	BLM-S 3A-125/250VAC	2
	C137-433-000	22003000006	Button light	LED(12V)white JA-T810	2
5	C137-439-000	21501000044	Sensor	Sensor	3
6	C137-421-000	22002013002	RGB light belt	DC12V 5050LED 3 color LED	1
7	C137-419-000	23100000003	Ticket dispenser	TL-001	1
8	C137-417-000	23000000006	Counter	C-012 12VDC 18CPS	2
9	C137-410-000	22402010002	Red button	Red button	1
	C137-411-000	22402030002	Green button	PB:11C02R(green)	1
	C137-412-000	22402050001	Black button	PB:11C02R(black)	1
10	C137-442-000	23301000004	Power cord	Power cord	1
11	C137-416-000	21902000006	Fuse socket	R3-11 110V/250V/10A	1
	C137-441-000	21901000012	Fuse	Φ 5×20mm T5A 250VAC	1
12	C137-423-000	29710701003	Sensor board	SenSoR MOC70T4.PCBV1.1	1

10. Wiring Diagram



Name: _____
 Scale: A3 Ver MFHC-PX-00 A
 date: ____/____/____
 Page: ____/____

UNIS

Cargo Express Wiring diagram

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