

# MONSTER KART



## IMPORTANT



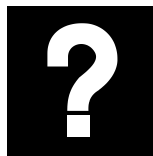
Be Sure  
to Read this  
Manual  
Before Use

**UNIS**<sup>®</sup>  
UNIS TECHNOLOGY

NOTE: Some portions of assembly may require additional assistance.

# Operation Manual

# WE ARE HERE TO ASSIST For parts and service





**Have Questions? Contact us!**

**UNIS SERVICE CENTER**  
Tel: 972-241-4263  
Email: [service@unispartsandservice.com](mailto:service@unispartsandservice.com)  
[www.unispartsandservice.com](http://www.unispartsandservice.com)

When contacting Service, you will need the following information  
and the name of your authorized distributor.

INDOOR MACHINE	
NAME: Monster Kart GMP(Blue)	MAX POWER: 1100W
MODEL: C-823	MIN POWER: 300W
S/N:	FREQUENCY: 50/60Hz
VOLTAGE: AC110V~	DATE:
Guangdong UNIS Technology Co.,Ltd.	

INDOOR MACHINE	
NAME: Monster Kart EU(Blue)	MAX POWER: 1100W
MODEL: C-823	MIN POWER: 300W
S/N:	FREQUENCY: 50 Hz
VOLTAGE: AC220V-240V~	DATE:
Guangdong UNIS Technology Co.,Ltd.	



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Thank you for purchasing **Monster Kart(Blue)** . 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 50/60Hz;

Min. Power consumption: 300W

Max. Power consumption: 1100W

Dimension: H96.78×W47.24×D90.86 in

H2458.40×W1200 ×D2287.51 mm

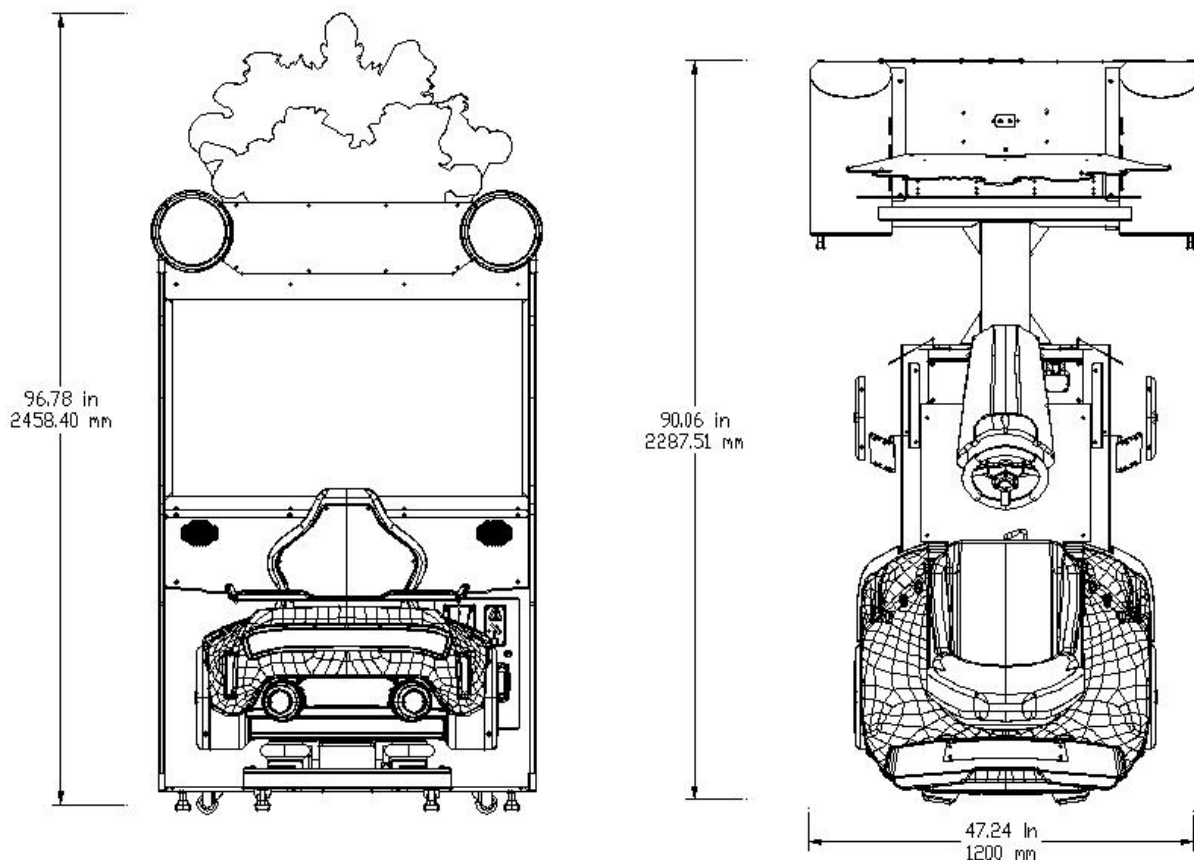
Weight(Single): Approximately 551.16 lb/250KG

Weight(Twin): Approximately 1146.4 lb/520KG

Model No: Red: C-823

Part No.: M154

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





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

## 2. CONTENTS OF THE ACCESSORY KIT

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

### 1. Following accessories

No.	Part No.	Code No.	Name	Qty	Picture
1	M154-1203-00	2.53.00171002	171A key	2	
2	M154-1204-00	2.53.00172002	171B key	2	
3	M154-1205-00	2.33.01.018024	Power cord 3×18AWG 3M	1	
4	M154-1201-00	4.14.40000785	Manual	1	
5	M154-1208-00	2.11.08.010011	Switch	1	/
6	M154-1207-00	2.33.02.000012	Network cable T568A-T568A 5M	1	
7	M154-1138-00	2.19.01.000012	Fuse Φ5×20mm T5A/250VAC	2	
8	M154-1209-00	2.66.03.030629	Coin mechanism blanking plate	1	/
	M154-1210-00	205.4.2437.228A	Coin mechanism blanking plate decal	1	/
9	M154-1211-00	2.66.03.030630	Ticket dispenser blanking plate	1	/
	M154-1212-00	205.4.2437.827	Ticket dispenser blanking plate decal	1	/

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

### 3. PART NAME

## Single Machine Key Components



# 2P Machine Key Components



## 4. SET UP & INSTALLATION

### ! NOTICE

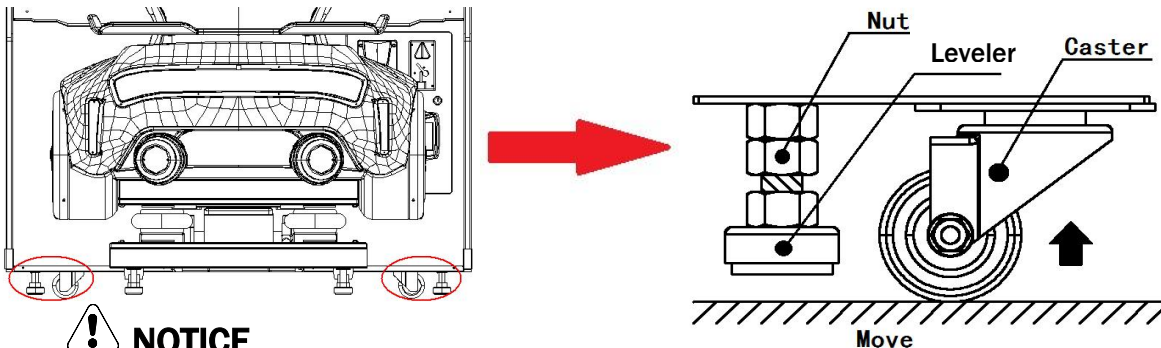
**We do not recommend using power tools as they may cause damage.**

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

- Refer to IMPORTANT SAFETY INSTRUCTIONS (Pg. 3) 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 Transporting the Game

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



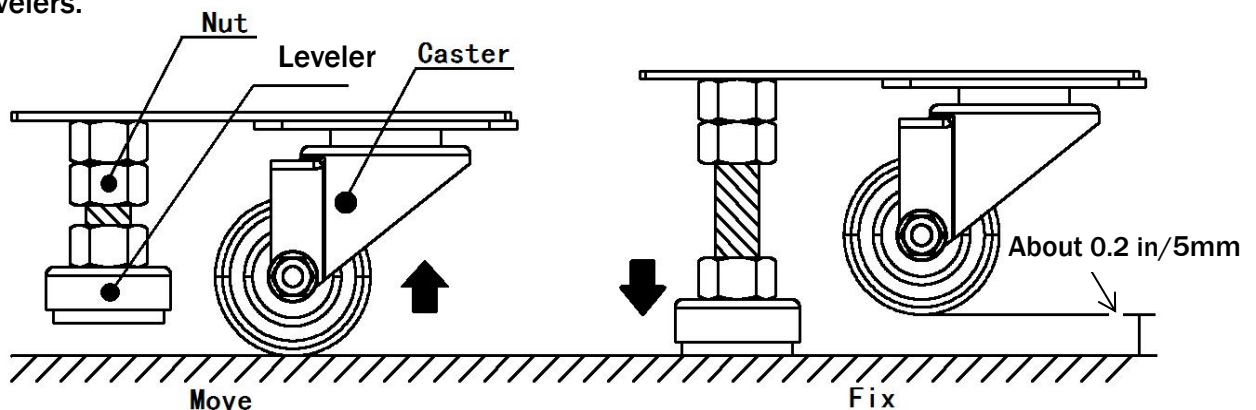
### ! NOTICE

- Be careful not to damage the machine during transport.
- 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.

### 4.2 Level Adjustment

Install this game on a flat surface. If the game is installed on an unsuitable floor, it could cause game malfunction.

To secure the game, loosen the nut, utilize wrench to adjust the leveler down until it touches the floor, lifting the casters off the ground by 0.2 in/5mm. Repeat the same for all levelers.



### ! NOTICE

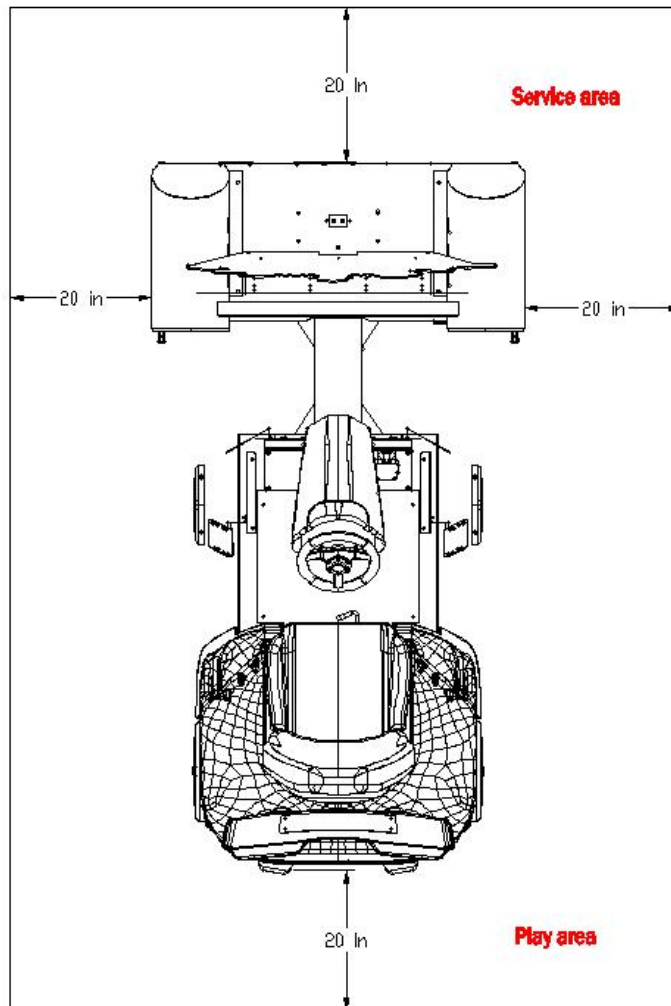
**Make sure the machine is level.**

### 4.3 Play Zone

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

Leave space around the game upon installation:

Service area: 20 in

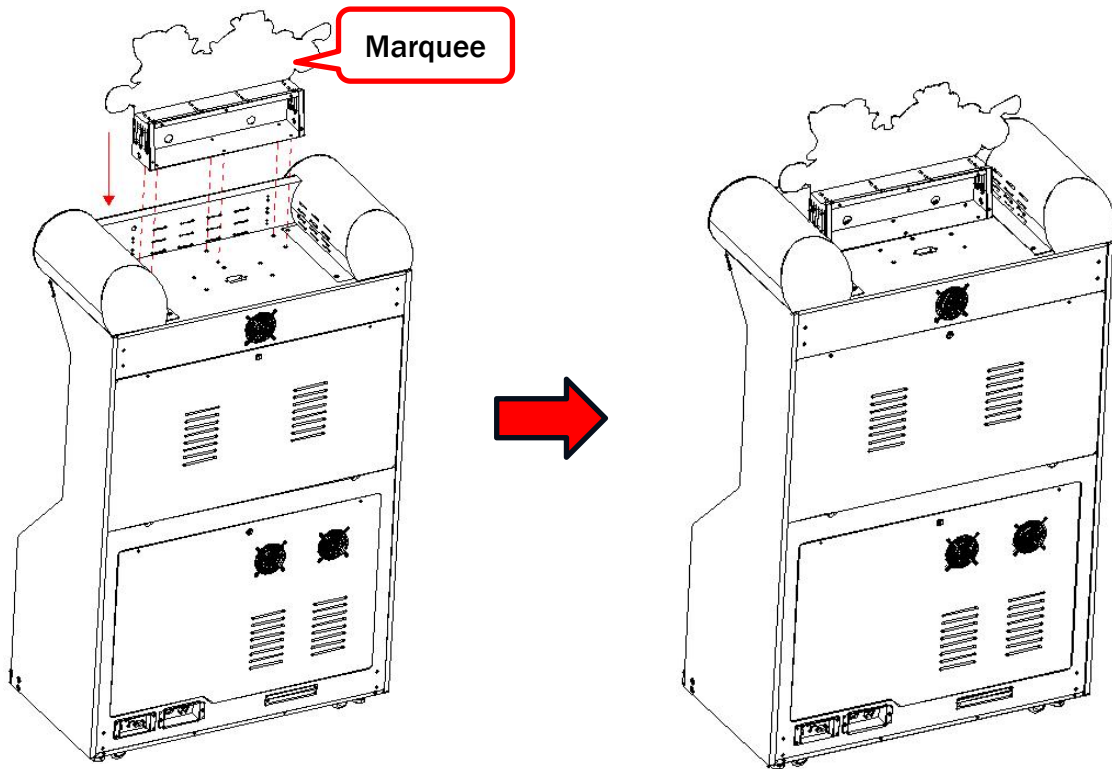


#### NOTICE

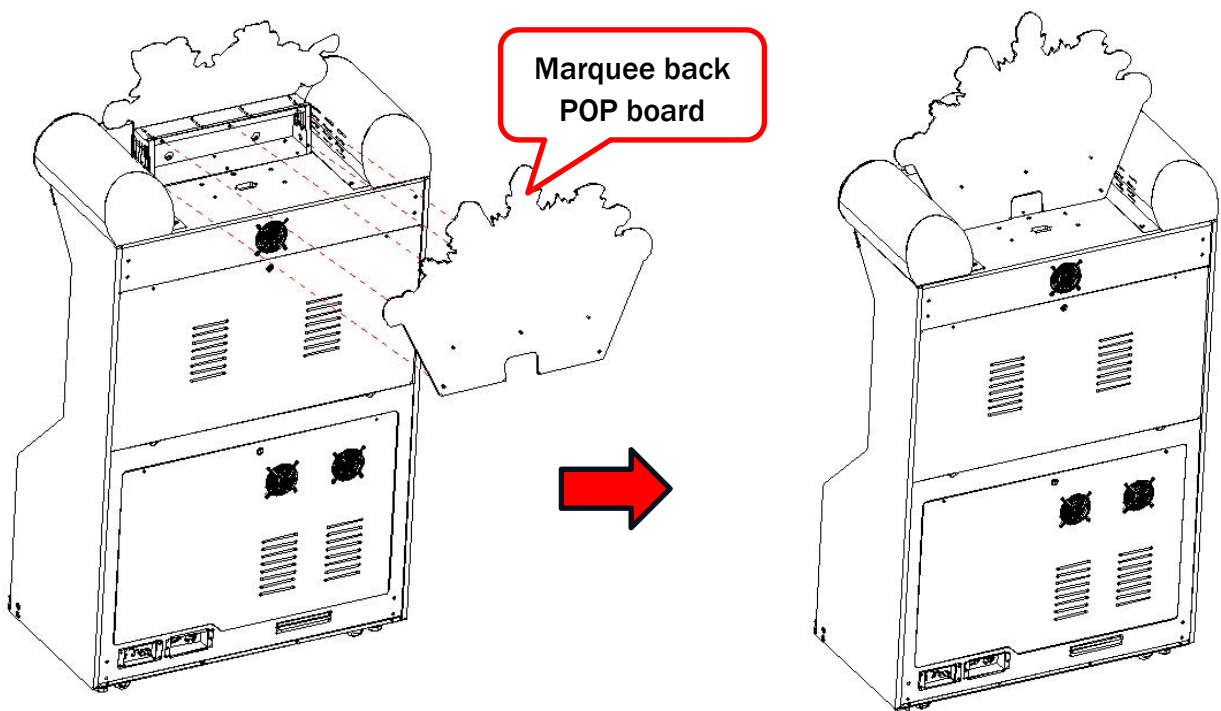
**Your unit must be leveled to operate properly.**

## 4.4 Machine Installation

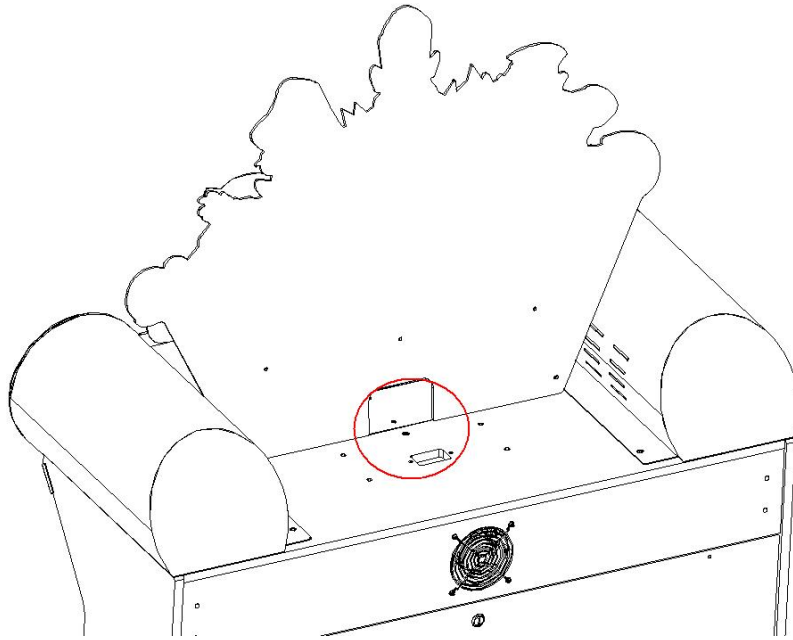
Step 1 Install Marquee assembly to the top of the cabinet. Utilize screws(M6\*20) to secure.



Step 2 Install Marquee back POP board to the back of the marquee. Utilize screws set and pin (M4\*10) to secure.

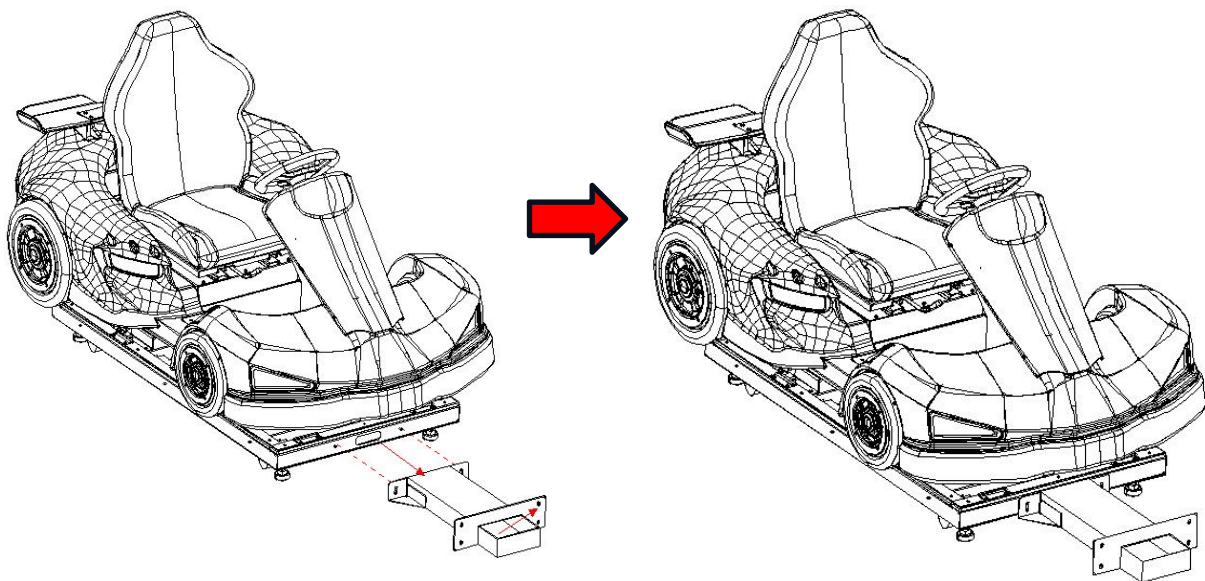


**Step 3 Install marquee connectors.**

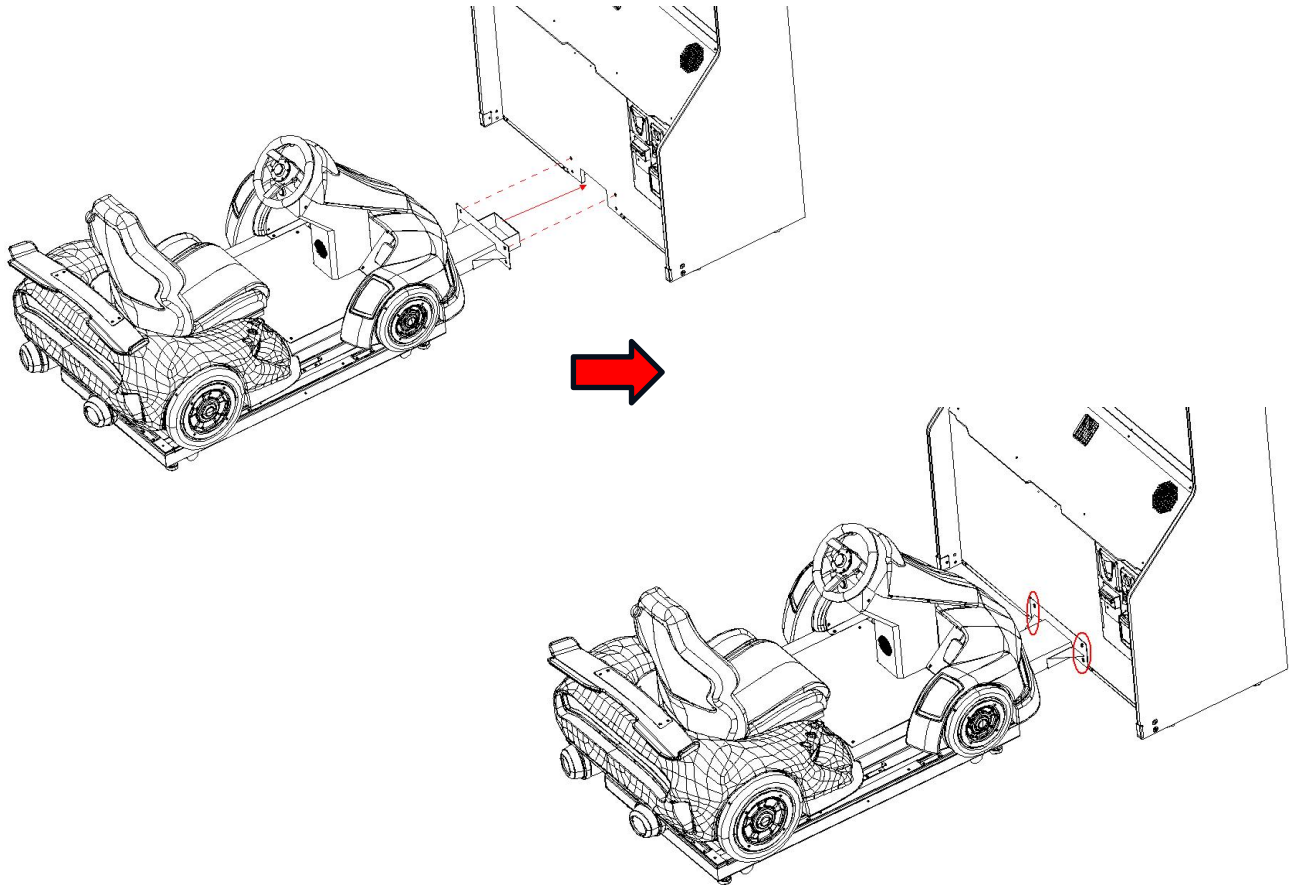


**Step 4 Install connect plate to the Car assembly. Utilize screws(M6\*20) to secure(DO NOT TIGHTEN).**

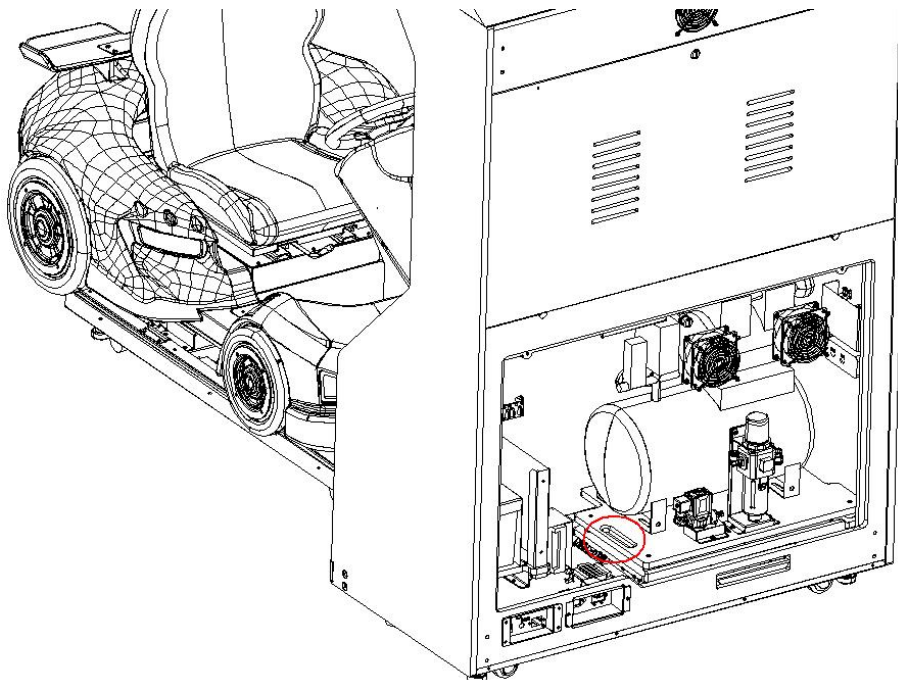
Lead the car cables to the connect plate.



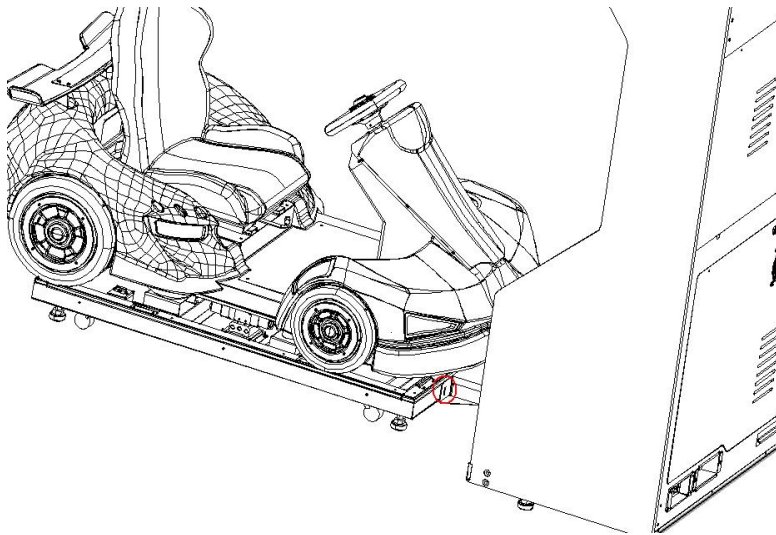
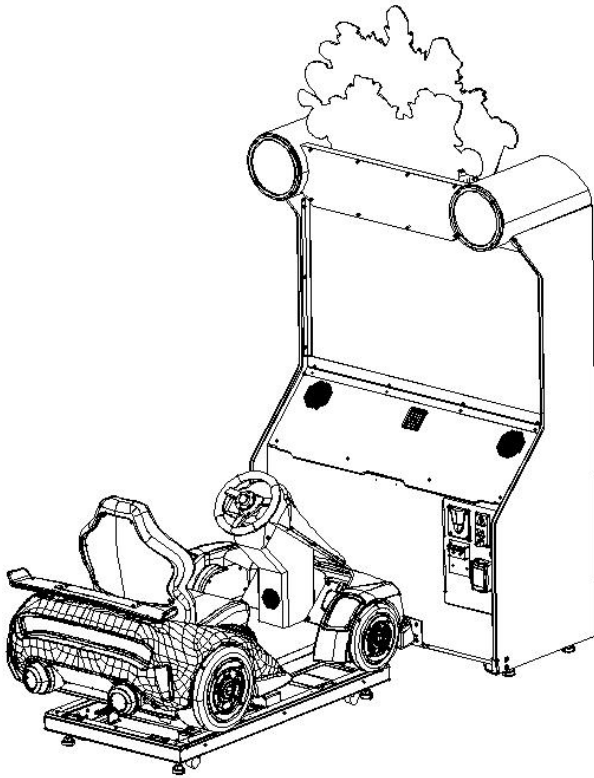
**Step 5 Align Car assembly to the cabinet. Utilize screws(M6\*20) to secure.**



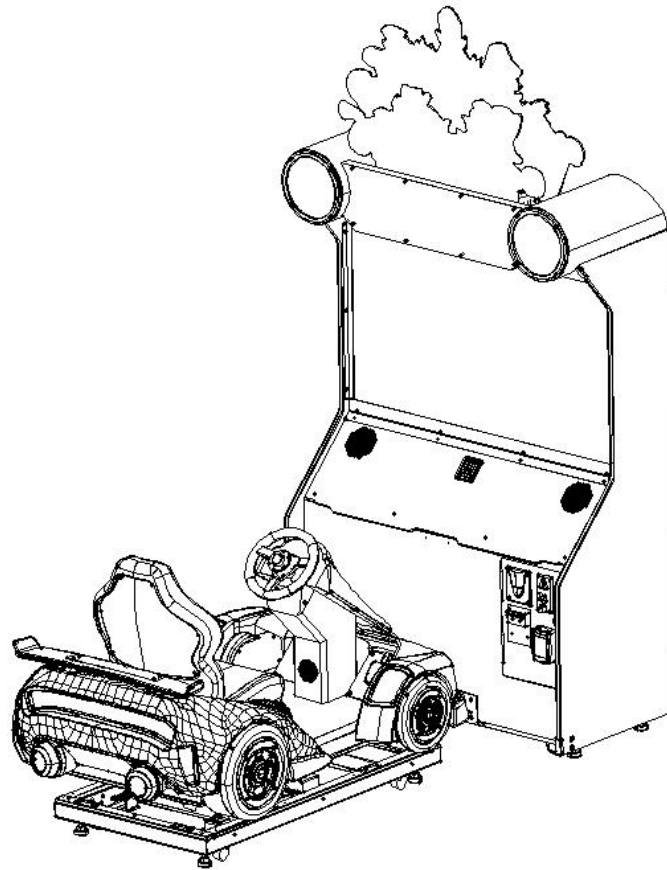
**Step 6 Open back bottom door. Lead car assembly cable to the back. Connect connectors and air compressor pipe.**



Step 7 Adjust car assembly leveller. Adjust the levelers back to an “up” position. Secure the connector screws back.

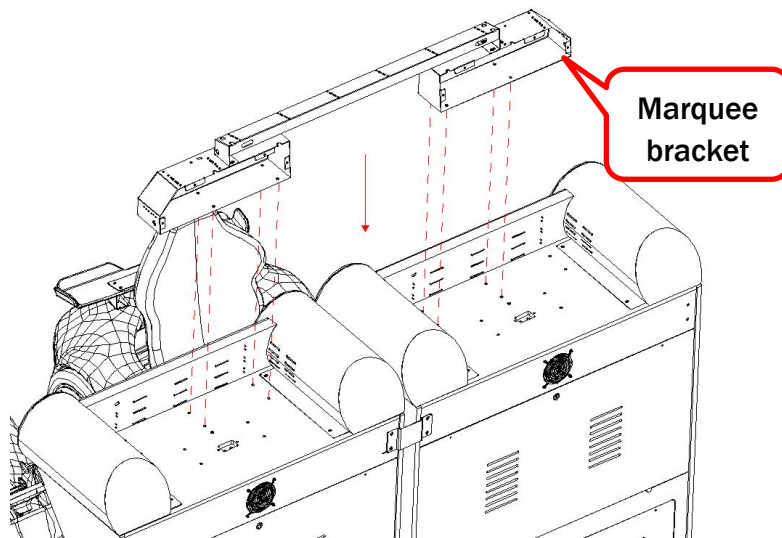


**Finish!**

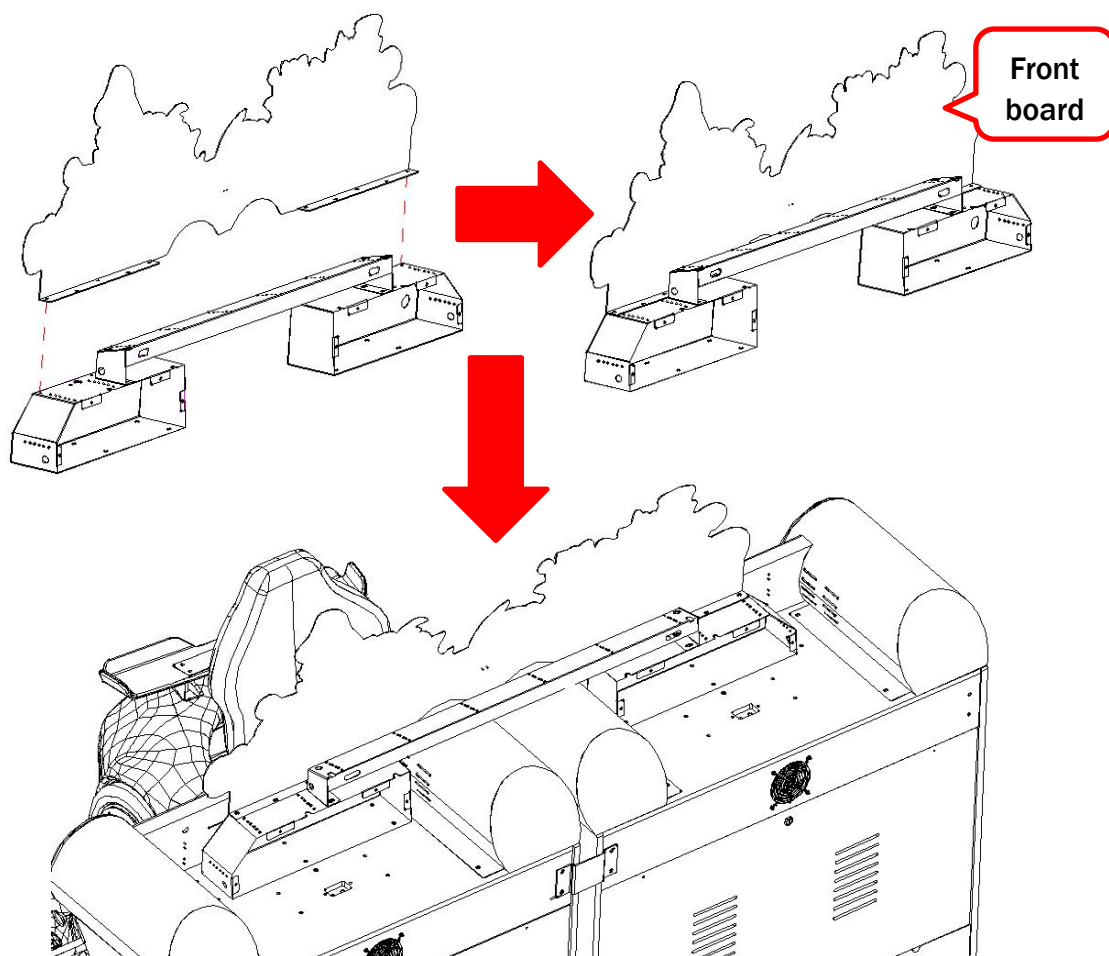


## 4.5 2P Marquee Installation(2P Machines Only)

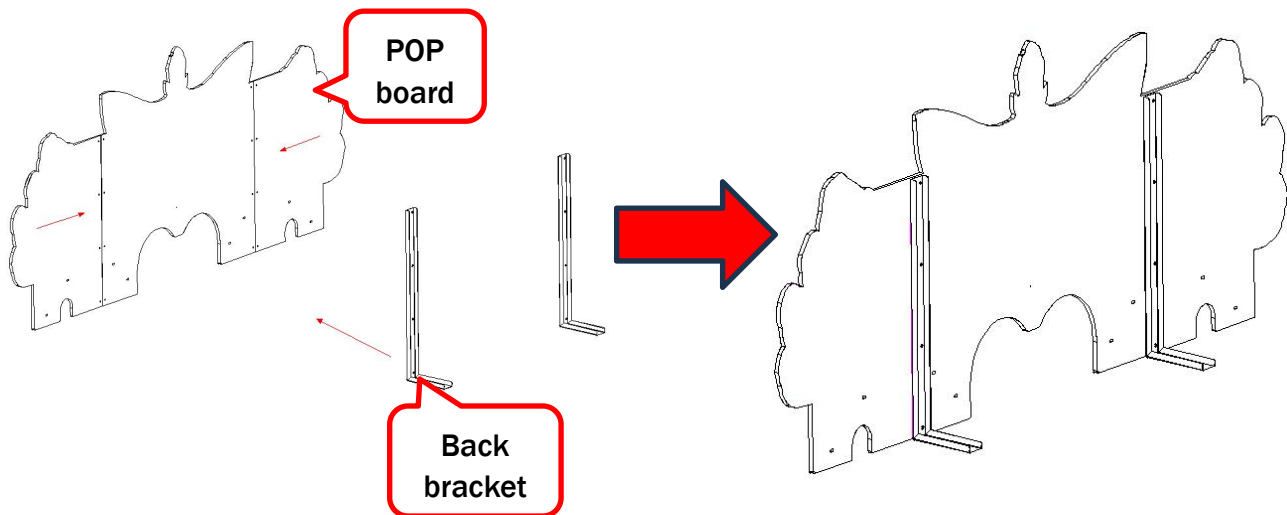
**Step 1** Place 2 machines together. Install Marquee bracket to the top of the cabinet. Utilize screws(M6X20) to secure.



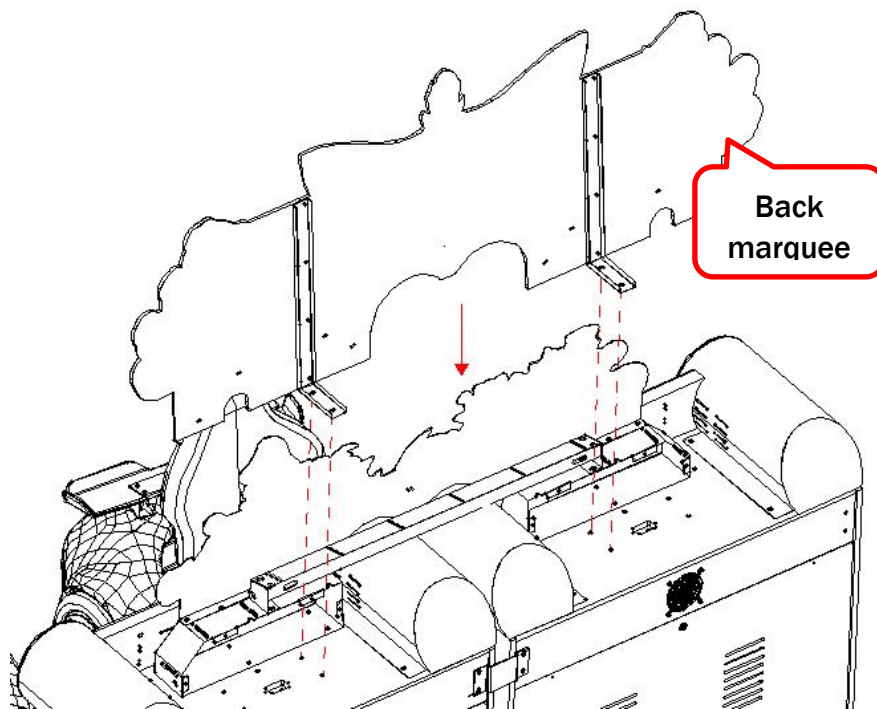
**Step 2** Install Marquee front board to the Marquee bracket. Utilize screws(M4X10) to secure.



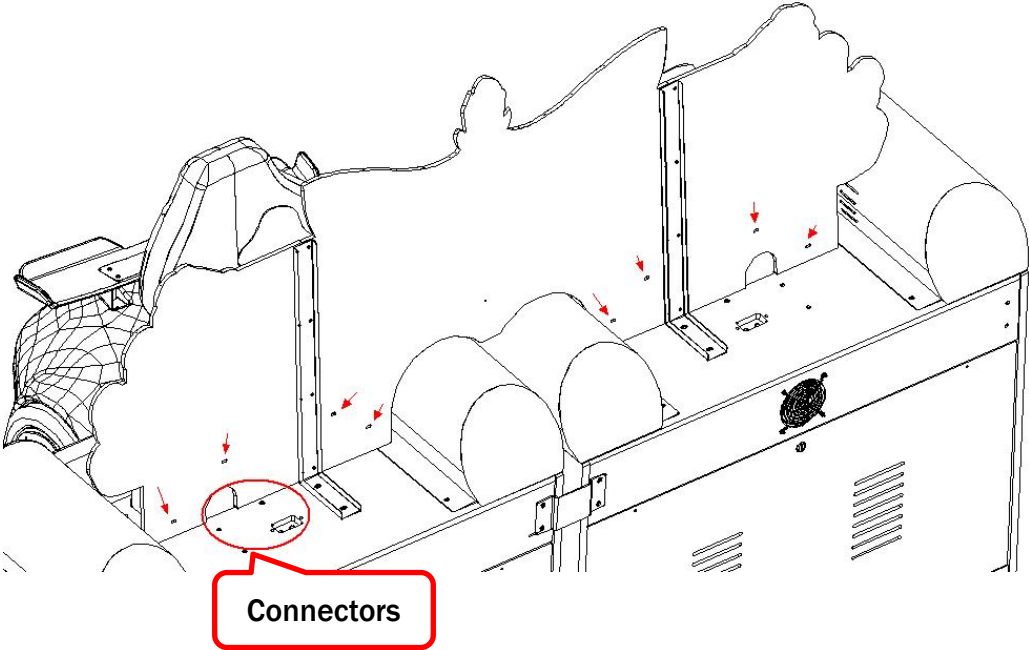
Step 3 Install Left, Middle, Right POP board to the back bracket. Utilize screws(M6X20) to secure.



Step 4 Install Back marquee to the top of the cabinet. Utilize screws(M4X20) to secure.



Step 11 Utilize screws(M6X20) to secure back marquee and front board. Connect the connectors.

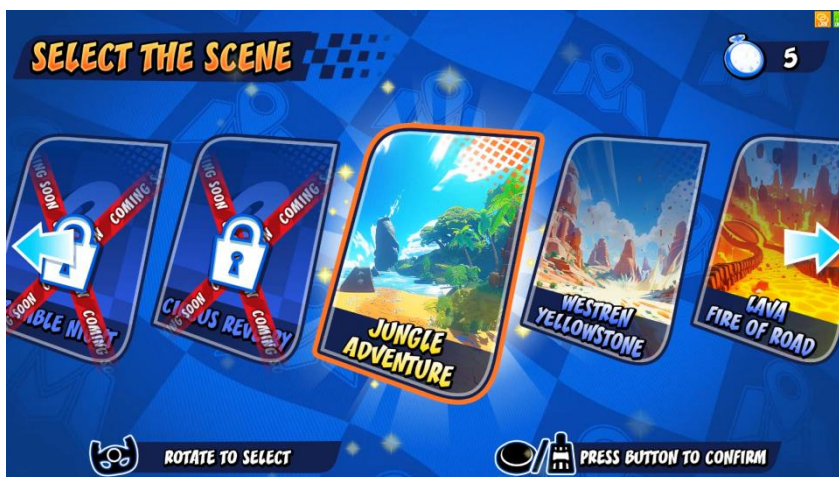


## 5. HOW TO PLAY

5.1 Insert coins/tap/swipe card to play.



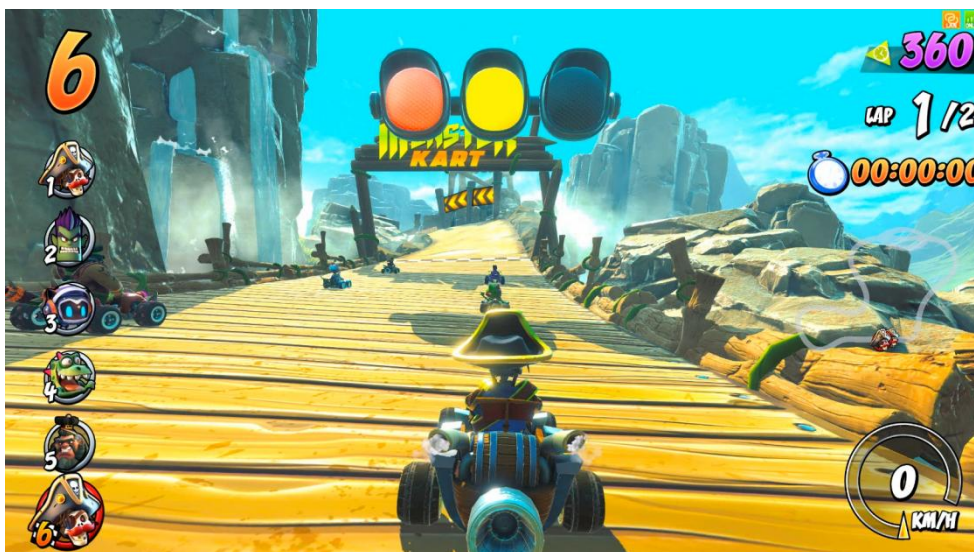
5.2 Select Scene. Each scene has its own unique layout and difficulty, and the scenarios are updated later through online updates.



5.3 Select Character. Each character has unique speed, handling and stability characteristics.



5.4 Ready to start. Press the gas pedal to make to car go faster. Control driving wheel to turn Left/right.



5.5 Drift: Release the gas pedal, then step on the gas pedal and turn the steering wheel. Drifting allows the kart to go through corners at a faster speed.



5.6 Crush “?” box to win props. Different props has different functions. Press red button to shoot the props.

Bowling Bomb: Rolls in a straight line, knocking down other racers.

Tornado: Attacks all racers in front of you except yourself.

Tracking Bomb: Tracks and strikes the car in front of you.

Protective Shield: Nullifies the effect of any prop once.

Energy Acceleration: Gives the car a short high-speed sprint.

Oil: Spinning and skidding of passing cars.

Time Bomb: explodes three seconds after hitting the top of the back of the car.

Thundercloud: Tracks the 1st place car.

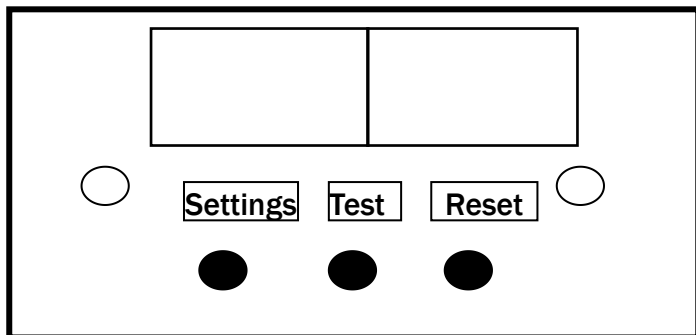


5.7 Ranking List shows the player's ranking, challenge stage and time.



## 6. GAME OPTION

### 6.1 Adjustment button instruction



Open the coin door and there is a meter panel. Press Settings button to enter into the setting menu.

### 6.2 Setting menu

#### 6.2.1 Main menu

Options
Main Menu
Basic Setting
Customized Setting
Linking Setting
Output Test
Input Test
Wheel Calibration

Options
Game Reset
Date/Time Setting
Online Update
Bookkeeping
Daily Record
About This Game
Back to game

#### 6.2.2 Basic Setting

Options	Adjustment Value	Default
Free Play	OFF_ON	OFF
Tickets Out	OFF_ON	ON
Out Of Tickets	Store Tickets in Memory_Call Attendant	Store Tickets in Memory
Demo Music	OFF_ON	ON
Memory Save	OFF_ON	ON
Volume	1_10	7
BGM Volume	1_10	10
SE Volume	1_10	10
VO Volume	1_10	6
Coins	1_10	1
Pay Mode	Insert Coins_Tap/Swipe Card_Insert Coins & Tap/Swipe Card	Insert Coins
Restart Time In Demo Mode	60_520	300

### 6.2.3 Customized Setting

Options	Adjustment Value	Default
Mode Select Time	5_20	8
Car Select Time	5_20	8
Scene Select Time	5_20	8
Game Time	40_480	360
Game Difficulty	Easy _ Medium _ Hard	Medium
Game Lap	1_3	2
Continue Mode	OFF_ON	ON
Continue Time	5_20	12
Divided By 2	OFF_ON	ON
Fixed Ticket(s) Mode	OFF_ON	OFF
Fixed Ticket(s)	1_100	6
1st Ticket(s)	1_100	10
2nd Ticket(s)	1_100	7
3rd Ticket(s)	1_100	5
Mercy Ticket(s)	1_100	3
Top Ranking	OFF_ON	ON
Number of Top Players	5_20	10
Platform state LED RGB	Random_Red_Blue_Yellow_Green_Purple	Random
Screen LED RGB	Random_Red_Blue_Yellow_Green_Purple	Random
Auto-use Props Mode	OFF_ON	ON
Auto-use Props Time	1_60	10
Motion Mode	Weak_Strong	Strong
Back & Save		
Back		

### 6.2.4 Linking Setting

Options	Adjustment Value
Linking Mode	OFF_ON
Machine ID	1_6
Linking Wait Time	5_20
Linking Players	1_6
Back & Save	
Back	

### 6.2.5 Output Test

Options
Ticket Drive
L Channel
R Channel
Platform Calibration Test
Platform L Up
Platform L Down
Platform R Up
Platform R Down
Steering Wheel Button Light
Back Light

Options
Platform Bottom Light-R
Platform Bottom Light-G
Platform Bottom Light-B
Monitor Side Light-R
Monitor Side Light-G
Monitor Side Light-B
Monitor Bottom Light
Blower
Stop Button Light
Tire Side Light
Back

### 6.2.6 Input Test

Options
Coin
Ticket Out
Ticket Feedback
Platform Calibration Status
Stop Button
Stop Button Light Status
Gas Pedal
Steering Wheel Button
L Platform
R Platform
Draining Valve
Platform Bottom Light

Options
Steering Wheel Position(Higher)
Steering Wheel Position(Lower)
L Platform Position(Higher)
L Platform Position(Lower)
R Platform Position(Higher)
R Platform Position(Lower)
Monitor Side Light
Monitor Bottom Light
Blower
L Platform Error
R Platform Error
Back

### 6.2.7 Wheel Correction

Notice: Turn the steering wheel to the far left/right

<b>Options</b>
Rotate the steering wheel to the left
Steering wheel Middle
Rotate the steering wheel to the right
Steering wheel Now
Back

### 6.2.8 Game Reset

<b>Options</b>	<b>Adjustment Value</b>
Factory Restore	CANCEL_CLEAR
Reset Basic Setting	CANCEL_CLEAR
Reset Customized Setting	CANCEL_CLEAR
Clear All Records	CANCEL_CLEAR
Clear Owed Tickets	CANCEL_CLEAR
Clear Unused Coins	CANCEL_CLEAR
Back	

### 6.2.9 Online Update

<b>Options</b>
Select Version
Note: Must connect network cable to update.
Game Version
Now Version
Version Instructions
Game Name
Version
Description

### 6.2.10 Date/Time Setting

<b>Options</b>
<b>Year</b>
<b>Month</b>
<b>Day</b>
<b>Hour(24)</b>
<b>Minute</b>
<b>Second</b>
<b>Back&amp;Save</b>
<b>Back</b>

### 6.2.11 Bookkeeping

<b>Player</b>	<b>Coins</b>	<b>Tickets</b>	<b>Payout</b>	<b>Continue Play</b>
<b>These Settings Are Non-Resettable</b>				
<b>Back</b>				

### 6.2.12 Daily Record

<b>Date</b>	<b>Weekday</b>	<b>Runtime</b>	<b>Coins</b>	<b>Tickets</b>	<b>Payout</b>	<b>Service Coins</b>	<b>Continue Play</b>
<b>Clear</b>							
<b>Back</b>							



## 7. TROUBLESHOOTINGS

### 7.1 Common Problem

Please confirm that all connectors fit tightly.

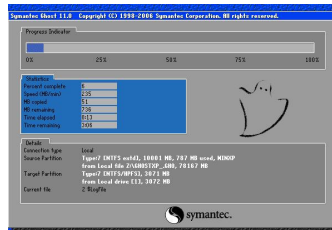
Symptom	Possible Cause	Recommended action
Game will not start	Frame assembly connector is loose.	Check connector.
	Frame assembly fault	Contact with UNIS Service.
Power off	Circuit protector make power SW in off state.	Turn on power SW again. If appeared again and again, machine has anomaly. Please contact with UNIS Service.
Card reader not working	The connector is loose.	Check connector.
	Card reader fault.	Check with card reader manufacturer.
No ticket dispensing	Out of ticket.	Add ticket and press reset button
	Ticket jamming.	Remove the jammed tickets and press reset button.
	The connector is loose.	Plug the connector tightly.
No sound	Low volume	Raise the volume.
	Connector loose.	Check connector.
	Speaker fault.	Check speaker.
	POT installation error.	Install POT correctly.
	POT fault.	Change POT.
	Audio cable problem.	Reconnect the audio cable or change it.

If you see following error signs showing on the display, please try the recommended action.

Display	Possible Cause	Recommended action
	The connection part of the IO board and PC are loose.	Check and reconnect the loose ports of the PC or IO board.
	Cable quality problem	Change the cable after checking the connection between IO board and PC.
	Cable became loose during transportation.	Check and reconnect the loose cables of the PC or IO board.
	IO board is faulty.	Reboot the game after checking U disk connection and cable problem, if the problem remains unresolved, please call the service department for assistance.
	Out of ticket.	Refill ticket
	Loose connection of the ticket dispenser's cables.	Check and reconnect the loose cables to the ticket dispenser.
	Ticket dispenser is faulty.	Change the ticket dispenser.
	Ticket jam.	Remove jammed tickets.

## 7.2 System Recovery Operation **(NOTE: Do not disconnect power during this process.)**

1. Turn off the game. Remove recovery stick from the machine. (Note: This process may take up to 60 minutes) Insert the recovery stick into the port at the back of the computer.
2. Restart PC to enter the system recovery screen as shown.



3. The game will automatically start recovery.
4. Once system recovery is partially finished (as shown below), and the ICON appears, remove the recovery stick from the computer. The game will continue the install process.

OK to remove the recovery stick.



5. Assure that the recovery stick has been properly secured for future use.



**WARNING:** The recovery stick should only be used to fix software errors. Using it for other purposes may cause unexpected results and damages.

## 8. MAINTENANCE & INSPECTION

### 8.1 Safety Check

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

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

**Note:** Parts and components require preventative maintenance to maintain proper operation.

### 8.2 Handling Precautions

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

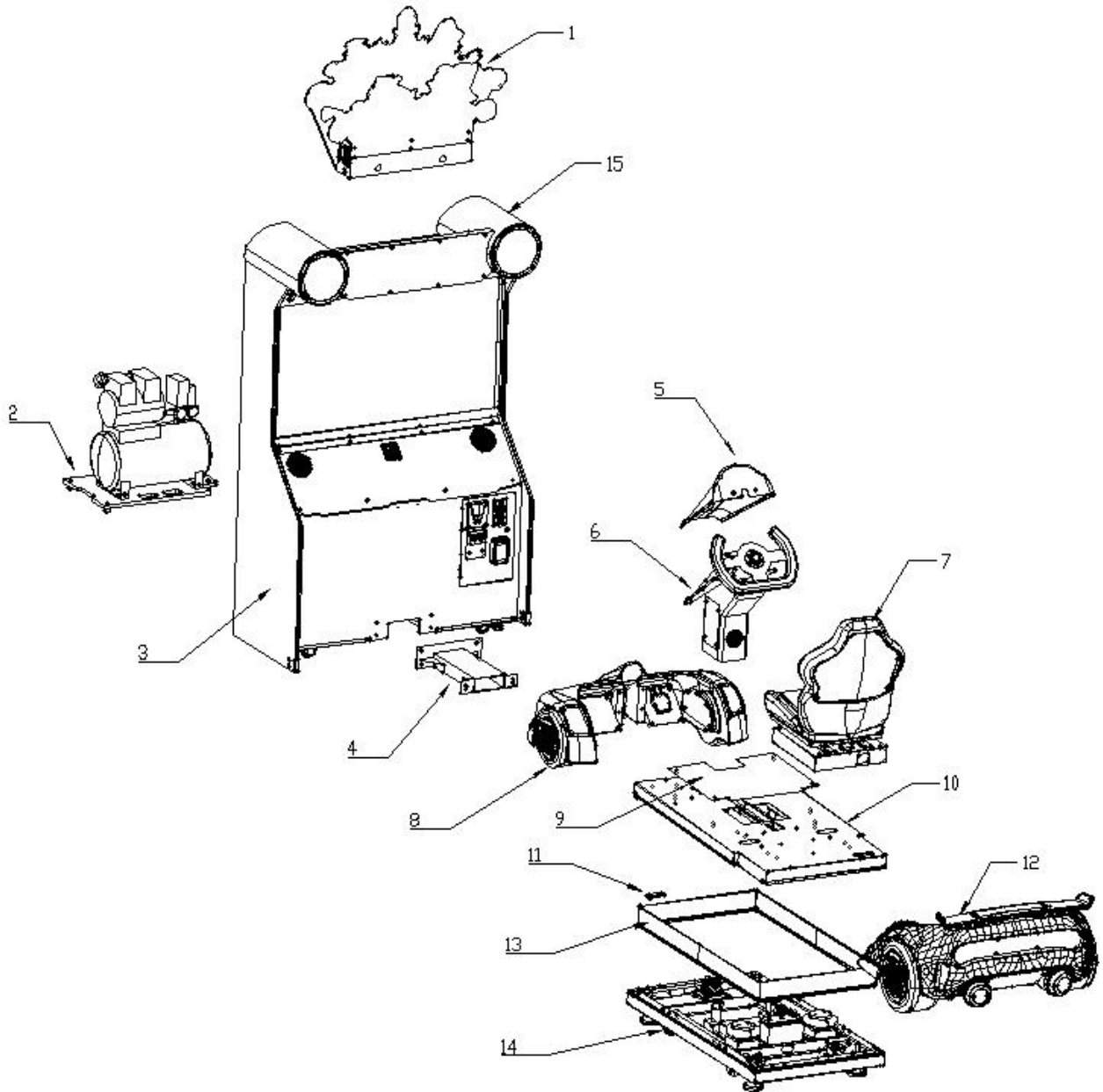
Inappropriate handling running counter to the cautionary matters can cause personal injury or damage to the machine.

 **NOTICE**

**We do not recommend using power tools as they may cause damage.**

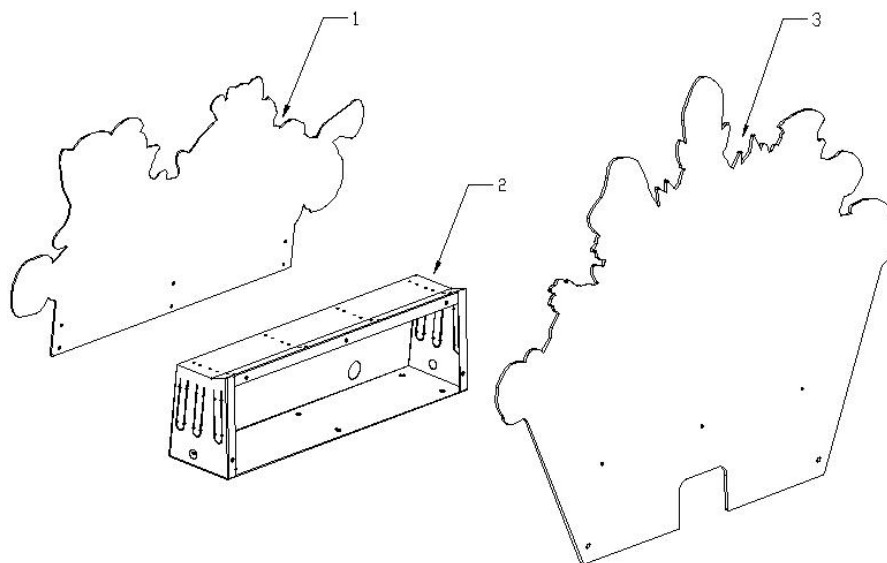
## 9.OVERALL CONSTRUCTION

### 9.1 General Assembly



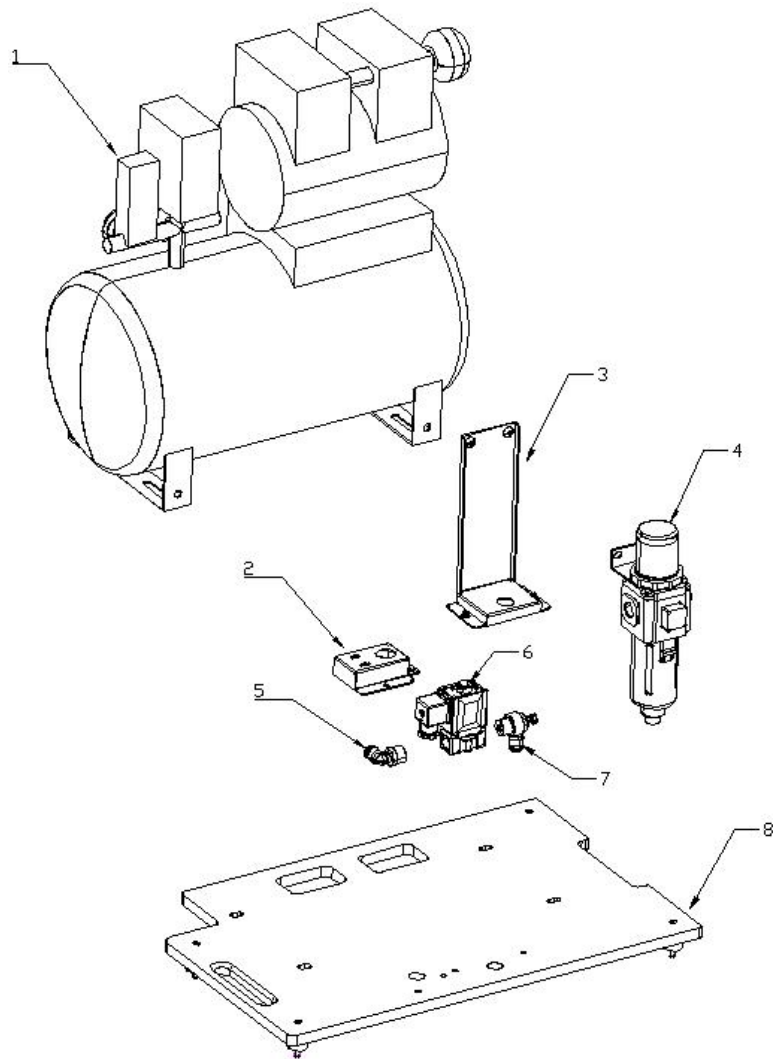
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0900-00	299.4.2437.008	Marquee assembly	1.1	1
2	M154-0200-00	299.4.2437.015	Air compressor assembly(110V)	1.2	1
	M154-0201-00	299.4.2437.012	Air compressor assembly(220V)	1.2	1
3	M154-0100-00	299.4.2437.014	Main Cabinet Wooden Assembly	1.1	1
4	M154-0001-00	202.4.2437.113	Connect plate	1.1	1
5	M154-0005-00	205.4.2437.810	Kart red plastic	1.1	1
6	M154-0800-00	299.4.2437.006	Panel Assembly	1.2	1
7	M154-0600-00	299.4.2437.021	Seat Assembly	1.2	1
8	M154-0700-00	299.4.2437.024	Kart Header Assembly	1.3	1
9	M154-0006-00	202.4.2437.038A	Foot pedal plate	1.1	1
10	M154-0400-00	299.4.2437.002	Motion Platform Upper	1.2	1
11	M154-0004-00	202.4.2437.059	Skirt pressing plate	1.1	16
12	M154-0500-00	299.4.2437.022	Kart Tail Assembly	1.2	1
13	M154-0002-00	206.4.2437.020	Skirt	1.1	1
14	M154-0300-00	299.4.2437.001	Motion Platform Bottom	1.2	1
15	M154-0143-00	299.4.2437.017	Top light	1.1	1

## 9.2 Marquee



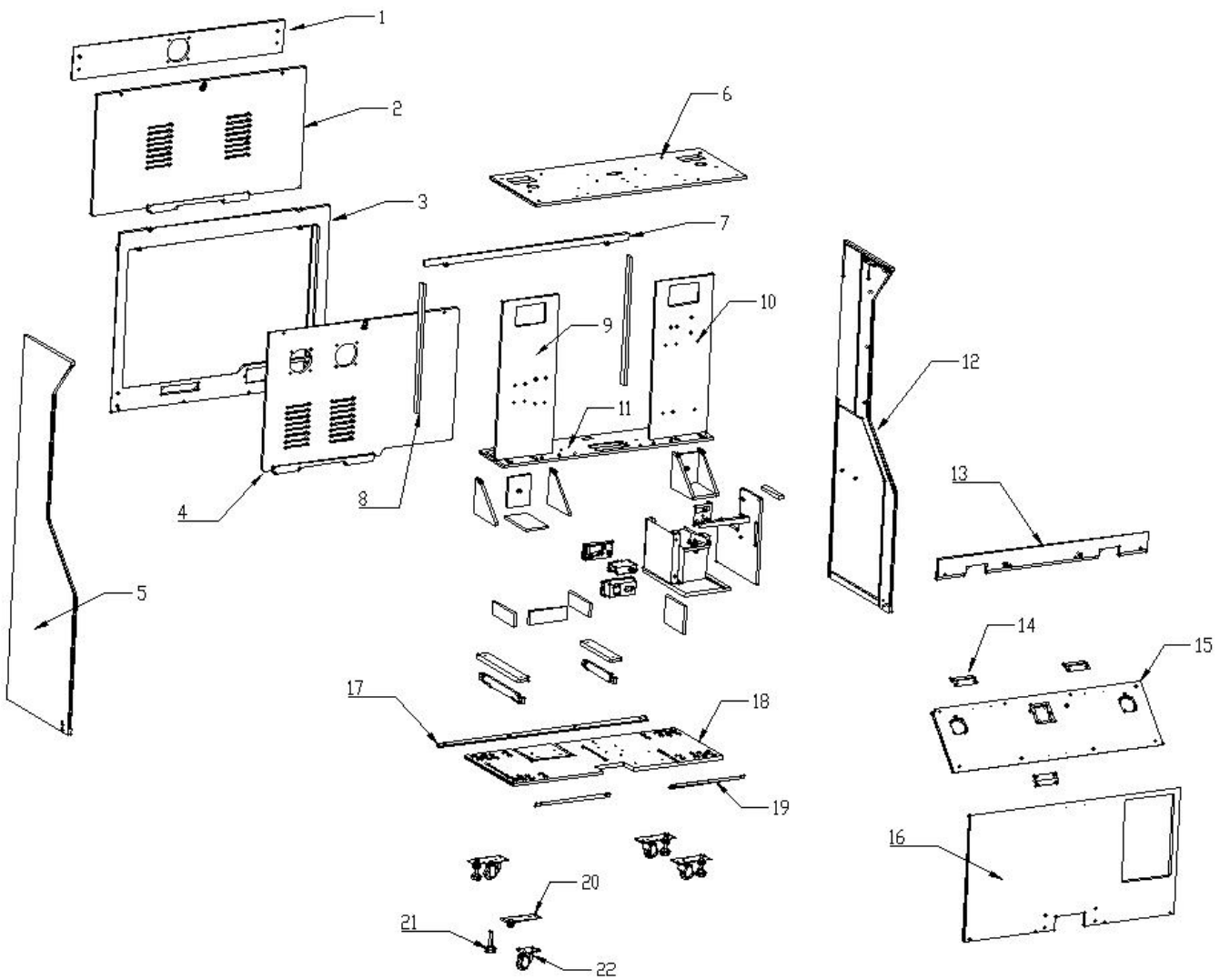
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0903-00	205.4.2437.602	Back decoration Andy board	1.1	1
2	M154-0901-00	202.4.2437.085	Marquee bracket	1.1	1
3	M154-0902-00	205.4.2437.601	Character PET	1.1	1

### 9.3 Air Compressor Assembly

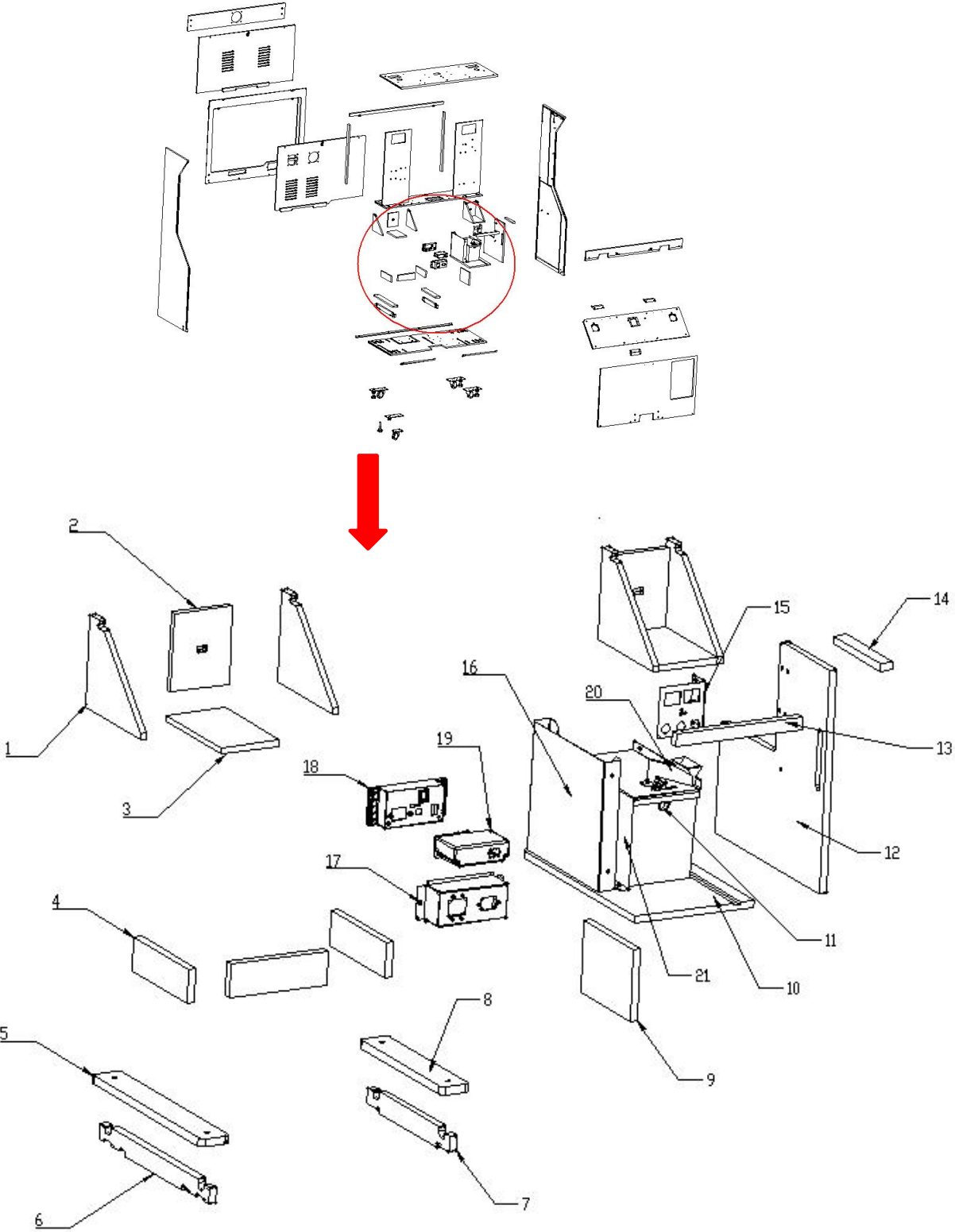


No.	Part No.	Code No.	Name	Version	Qty
1	M154-0204-00	4.06.11.01.0211	Air compressor (110V)	1.1	1
	M154-0205-00	4.06.11.01.0203	Air compressor (220V)	1.1	1
2	M154-0206-00	202.4.2141.251	Pressure valve plate 1	1.1	1
3	M154-0207-00	202.4.2141.252A	Pressure valve plate 2	1.1	1
4	M154-0211-00	2.51.01.13.0074	Adjust filter	1.1	1
5	M154-0210-00	2.51.01.11.3011	Pipe(10mm)	1.1	1
6	M154-0208-00	2.51.01.12.3010	Control valve	1.2	1
7	M154-0209-00	2.51.01.12.3008	Speed adjust valve	1.1	1
8	M154-0202-00	203.4.2437.029	Air compressor mounting board	1.1	1

## 9.4 Main Cabinet Wooden Assembly

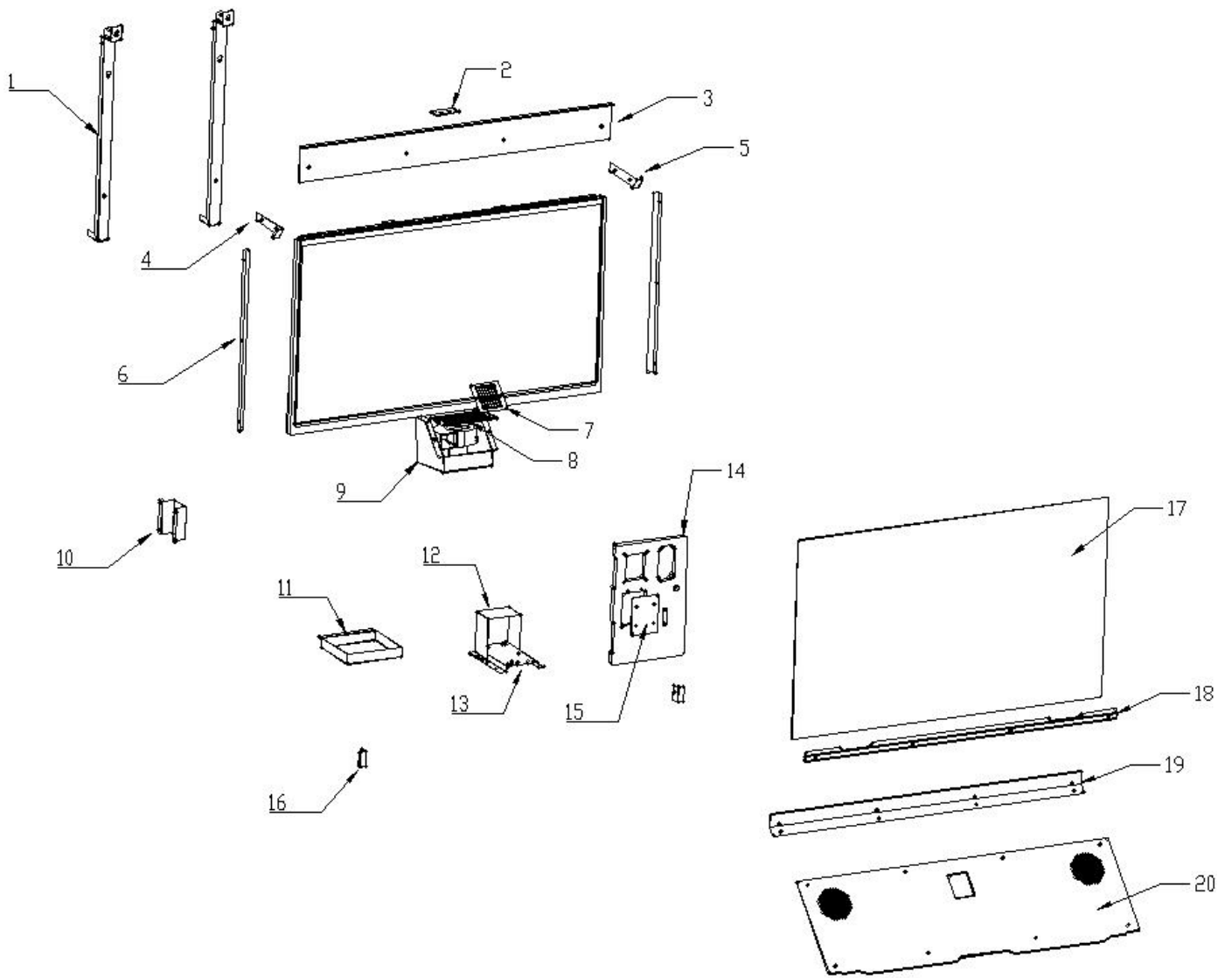


No.	Part No.	Code No.	Name	Version	Qty
1	M154-0117-00	203.4.2437.038	Back upper board	1.1	1
2	M154-0128-00	203.4.2437.044	Back upper door	1.1	1
3	M154-0116-00	203.4.2437.037	Back bottom board	1.1	1
4	M154-0129-00	203.4.2437.045	Back bottom door	1.1	1
5	M154-0102-00	203.4.2437.001	L side board	1.1	1
6	M154-0115-00	203.4.2437.036	Top board	1.1	1
7	M154-0118-00	203.4.2437.039	Upper door blocking board(h)	1.1	1
8	M154-0119-00	203.4.2437.040	Upper door blocking board(v)	1.1	1
9	M154-0120-00	203.4.2437.019	L vertical board	1.1	1
10	M154-0121-00	203.4.2437.020	R vertical board	1.1	1
11	M154-0113-00	203.4.2437.012	Mid horizontal board	1.1	1
12	M154-0103-00	203.4.2437.002	R side board	1.1	1
13	M154-0114-00	203.4.2437.035	Front upper board	1.1	1
14	M154-0132-00	202.4.2437.092	Strengthen plate	1.1	3
15	M154-0112-00	203.4.2437.034	Front slanting board	1.1	1
16	M154-0110-00	203.4.2437.032	Front bottom board	1.1	1
17	M154-0170-00	202.4.2437.111	Back plate	1.1	1
18	M154-0104-00	203.4.2437.003	Base board	1.1	1
19	M154-0171-00	202.4.2437.112	Front plate	1.1	2
20	M154-0134-00	2.60.00010000	Caster plate	1.1	4
21	M154-0136-00	2.60.00008000	Leveller	1.1	4
22	M154-0133-00	2.55.01.000047	2.5" caster	1.1	4



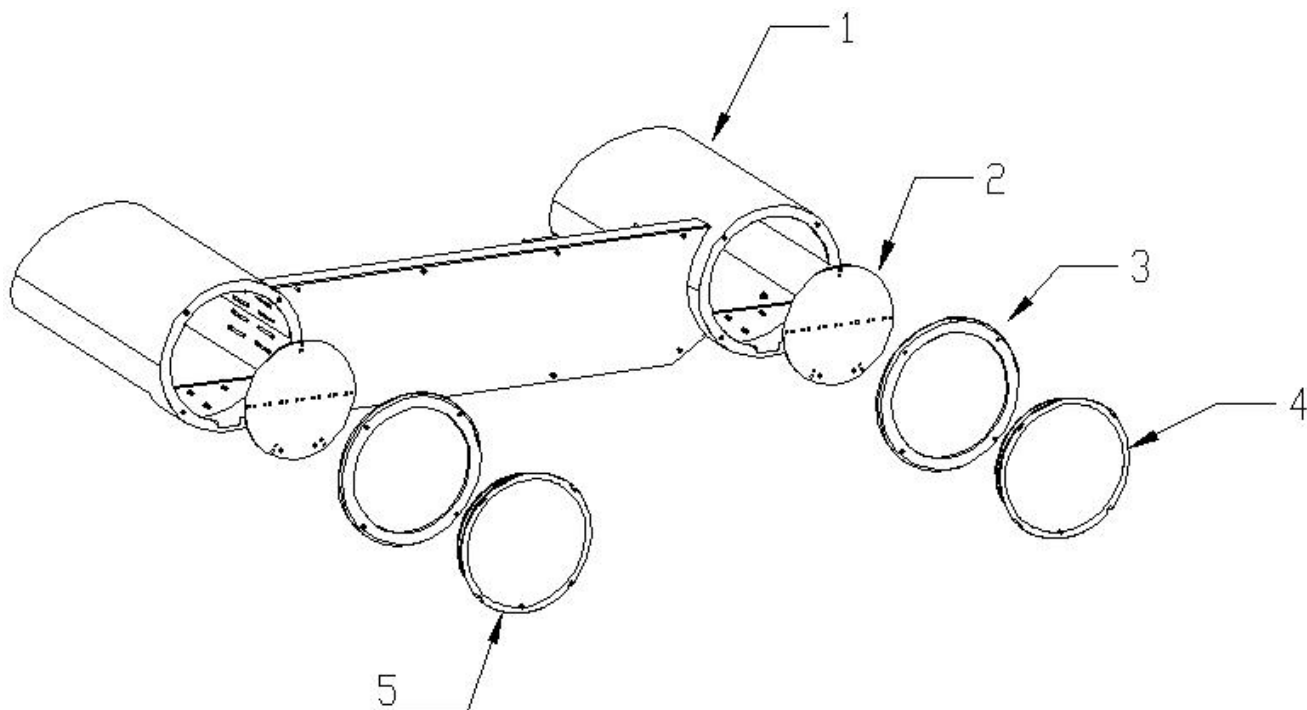
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0123-00	203.4.2437.022	Speaker side board	1.1	4
2	M154-0124-00	203.4.2437.023	Speaker back board	1.1	2
3	M154-0122-00	203.4.2437.021	Speaker base board	1.1	2
4	M154-0109-00	203.4.2437.008	Base bracket board 5	1.1	3
5	M154-0106-00	203.4.2437.005	Base bracket board 2	1.1	1
6	M154-0105-00	203.4.2437.004	Base bracket board 1	1.1	1
7	M154-0107-00	203.4.2437.006	Base bracket board 3	1.1	1
8	M154-0108-00	203.4.2437.007	Base bracket board 4	1.1	1
9	M154-0127-00	203.4.2437.043	Coin box bottom board	1.1	1
10	M154-0126-00	203.4.2437.042	Coin box mid board	1.1	1
11	M154-0181-00	2.53.00172001	171B lock	1.1	1
12	M154-0125-00	203.4.2437.041	Coin box upper board	1.1	1
13	M154-0130-00	203.4.2437.046	Front door block board	1.1	1
14	M154-0131-00	203.4.2437.047	Strengthen board	1.1	1
15	M154-0165-00	202.4.2437.109	Counter bracket	1.1	1
16	M154-0179-00	2.60.00006000	Ticket box	1.1	1
17	M154-0176-00	202.4.2141.249	Power box plate	1.1	1
18	M154-0177-00	2.60.00042001B	Power box	1.1	1
19	M154-0178-00	2.60.00042002B	Power box cover	1.1	1
20	M154-0164-00	202.4.2437.133	Bottom coin chute	1.1	1
21	M154-0163-00	202.4.2437.107	Coin box bracket	1.1	1

## 9.5 Monitor Assembly



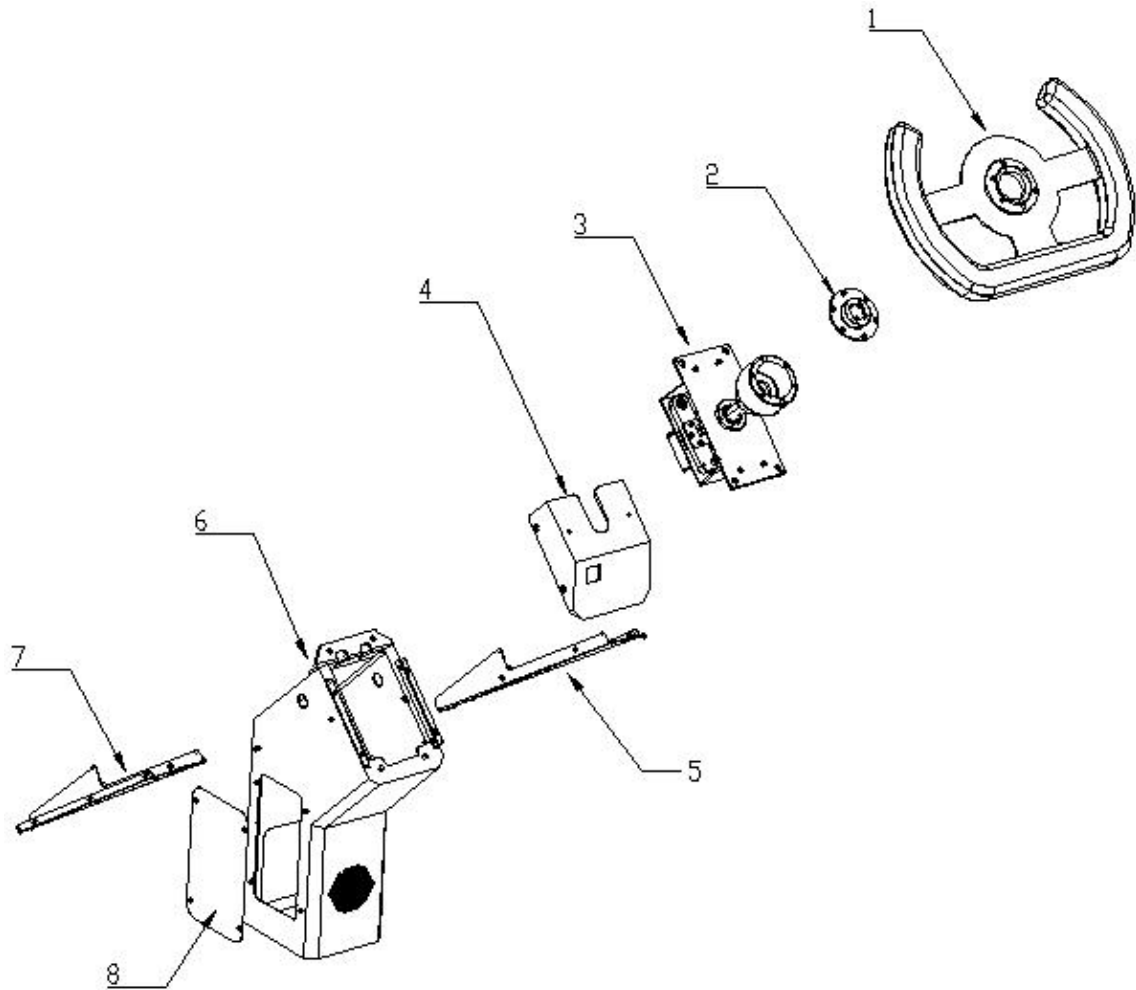
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0150-00	202.4.2437.096	Monitor support plate	1.1	2
2	M154-0149-00	202.4.2437.095	Top connect light plate	1.1	1
3	M154-0154-00	202.4.2437.098	Monitor upper plate	1.1	1
4	M154-0158-00	202.4.2437.102	Side light pressing plate L	1.1	1
5	M154-0159-00	202.4.2437.103	Side light pressing plate R	1.1	1
6	M154-0156-00	202.4.2437.100	Monitor side pressing plate	1.1	2
7	M154-0157-00	202.4.2437.101	Blower net plate	1.1	1
8	M154-0162-00	202.4.2437.106	Net plate	1.1	1
9	M154-0161-00	202.4.2437.105	Blower mounting plate	1.1	1
10	M154-0168-00	206.4.2437.034	Relay cover PVC	1.1	1
11	M154-0166-00	202.4.2437.110	Watering box	1.1	1
12	M154-0169-00	206.4.2437.035	Power supply PVC	1.1	1
13	M154-0173-00	2.60.00001000D	Power supply plate	1.1	1
14	M154-0111-00	203.4.2437.033	Front door board	1.1	1
15	M154-0174-00	202.4.2323.054	DBV cover plate	1.1	1
16	M154-0160-00	202.4.2437.104	Side light pressing plate bottom	1.1	2
17	M154-0153-00	206.4.2437.032	Glass	1.1	1
18	M154-0151-00	202.4.2437.097	Glass back plate	1.1	1
19	M154-0155-00	202.4.2437.099	Monitor bottom plate	1.1	1
20	M154-0184-00	205.4.2437.823	Panel plastic Blue	1.1	1

## 9.6 Top Light



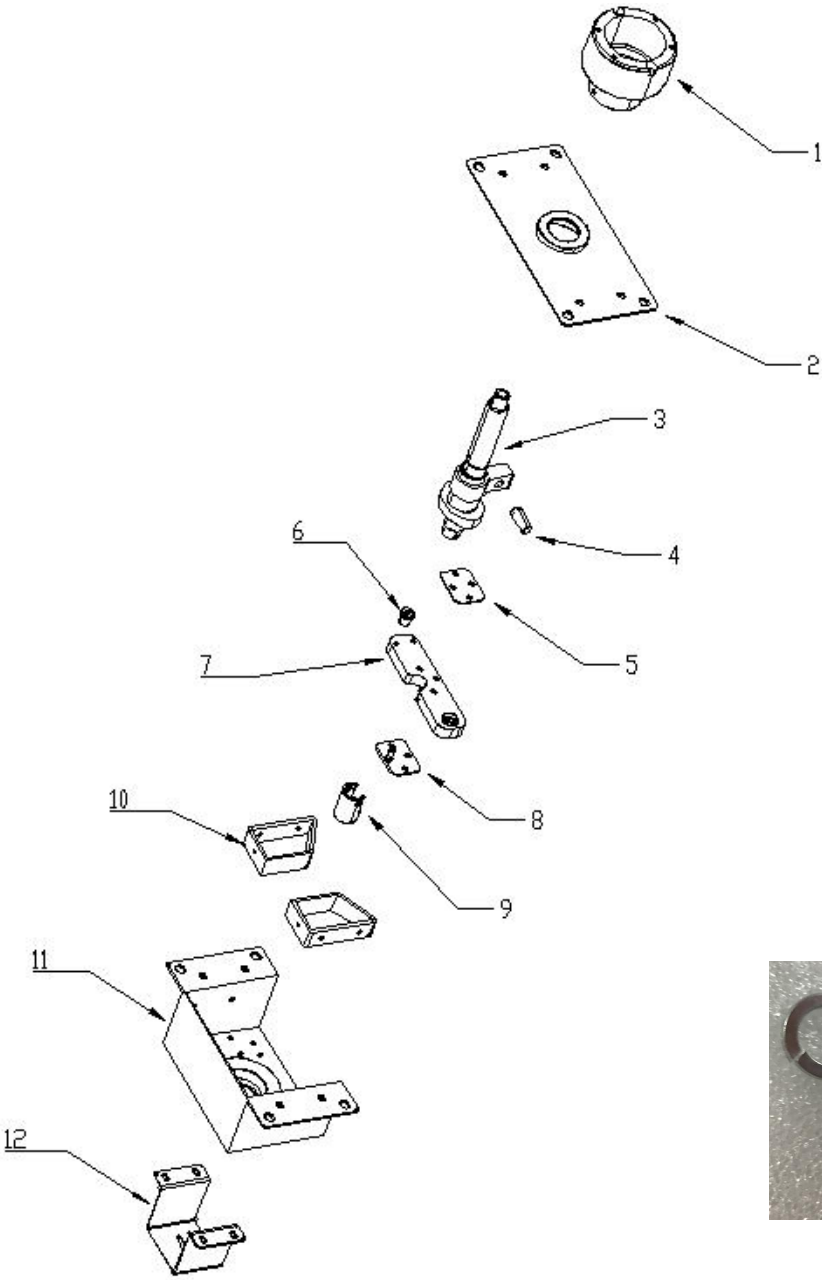
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0144-00	202.4.2437.094	Top light marquee(blue)	1.1	1
2	M154-0148-00	206.4.2437.030	Mirror light PVC	1.1	2
3	M154-0145-00	206.4.2437.027	Outside plastic	1.1	2
4	M154-0147-00	206.4.2437.029	Storm plastic	1.1	1
5	M154-0146-00	206.4.2437.028	Fire bomb plastic	1.1	1

9.7 Panel Assembly(with steering wheel)



No.	Part No.	Code No.	Name	Version	Qty
1	M154-0824-00	4.11.06.000146	Kart steering wheel	1.1	1
2	M154-0823-00	202.4.2437.081	Button mounting plate	1.1	1
3	M154-0803-00	299.4.2437.007	Steering wheel mech bracket	1.2	1
4	M154-0825-00	202.4.2437.082	Panel upper cover plate	1.1	1
5	M154-0827-00	202.4.2437.084	R mounting plate	1.1	1
6	M154-0801-00	202.4.2437.077	Panel bracket	1.1	1
7	M154-0826-00	202.4.2437.083	L mounting plate	1.1	1
8	M154-0802-00	202.4.2437.078	Panel bracket blank plate	1.1	1

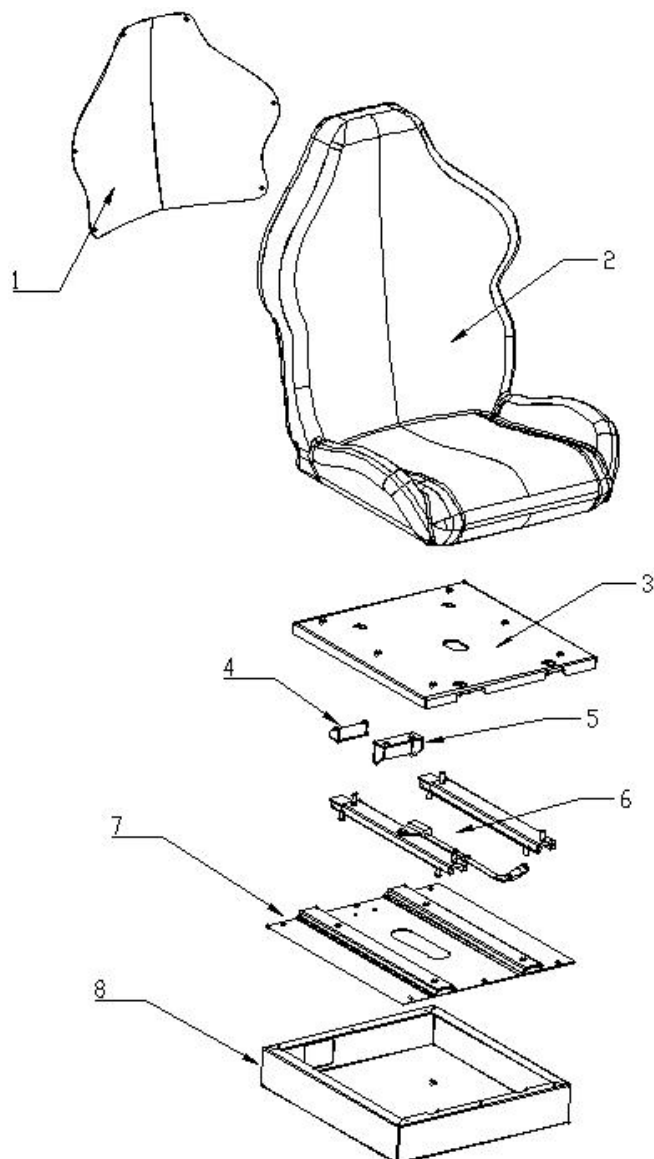
### 9.8 Steering Wheel



13

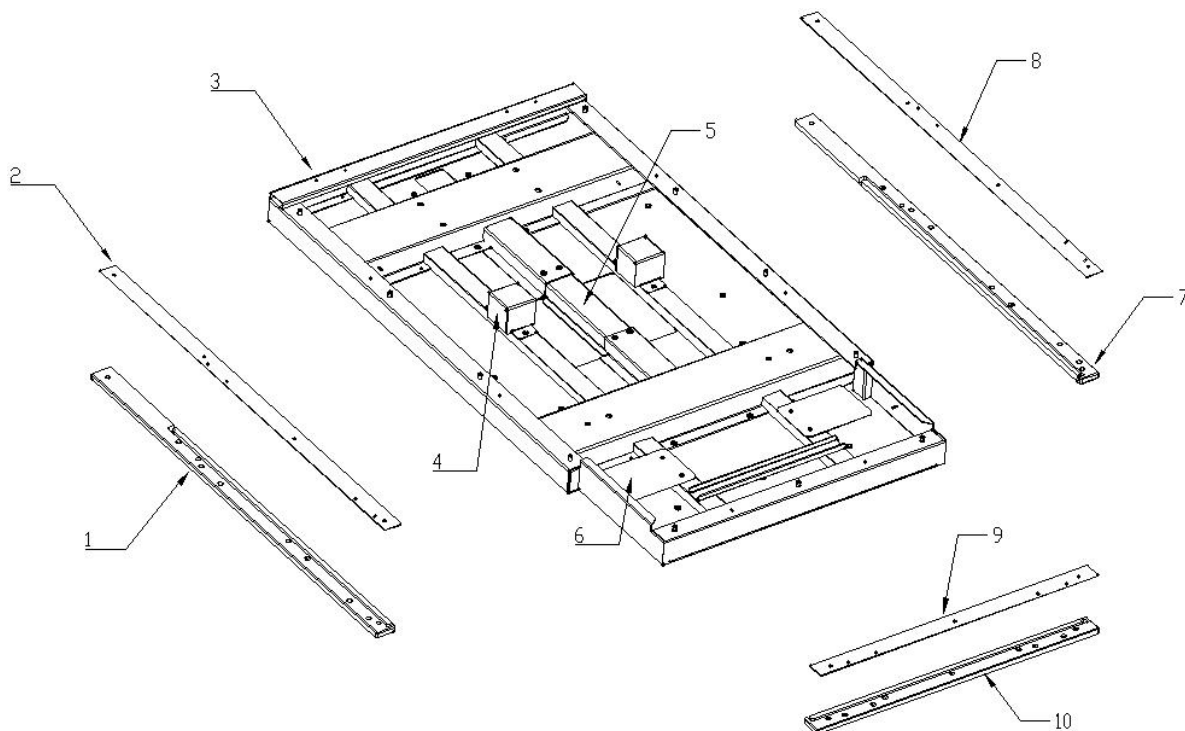
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0822-00	202.4.2437.080	Coupling blocks	1.2	1
2	M154-0806-00	202.4.2437.135	Motion mount cover plate	1.1	1
3	M154-0807-00	202.4.2003.012	Turn shaft plate	1.2	1
4	M154-0821-00	202.4.13.17B.022	Chain plate	1.1	1
5	M154-0809-00	202.4.13.17.019	Bearing press plate	1.1	1
6	M154-0817-00	202.4.13.17.024	Spring plate	1.1	1
7	M154-0813-00	202.4.13.17.018A	Pressing plate	1.1	1
8	M154-0810-00	202.4.13.17.020	Bearing support plate	1.1	1
9	M154-0818-00	202.4.13.17B.013A	Coupling	1.1	1
10	M154-0815-00	202.4.2437.079	Shaft limit plate	1.1	2
11	M154-0804-00	202.4.2437.134	Motion mount base plate	1.1	1
12	M154-0819-00	202.4.13.17B.014	Steering wheel POT plate	1.1	1
13	M154-1111-00	2.25.01000030	POT	1.1	1

## 9.9 Seat Assembly



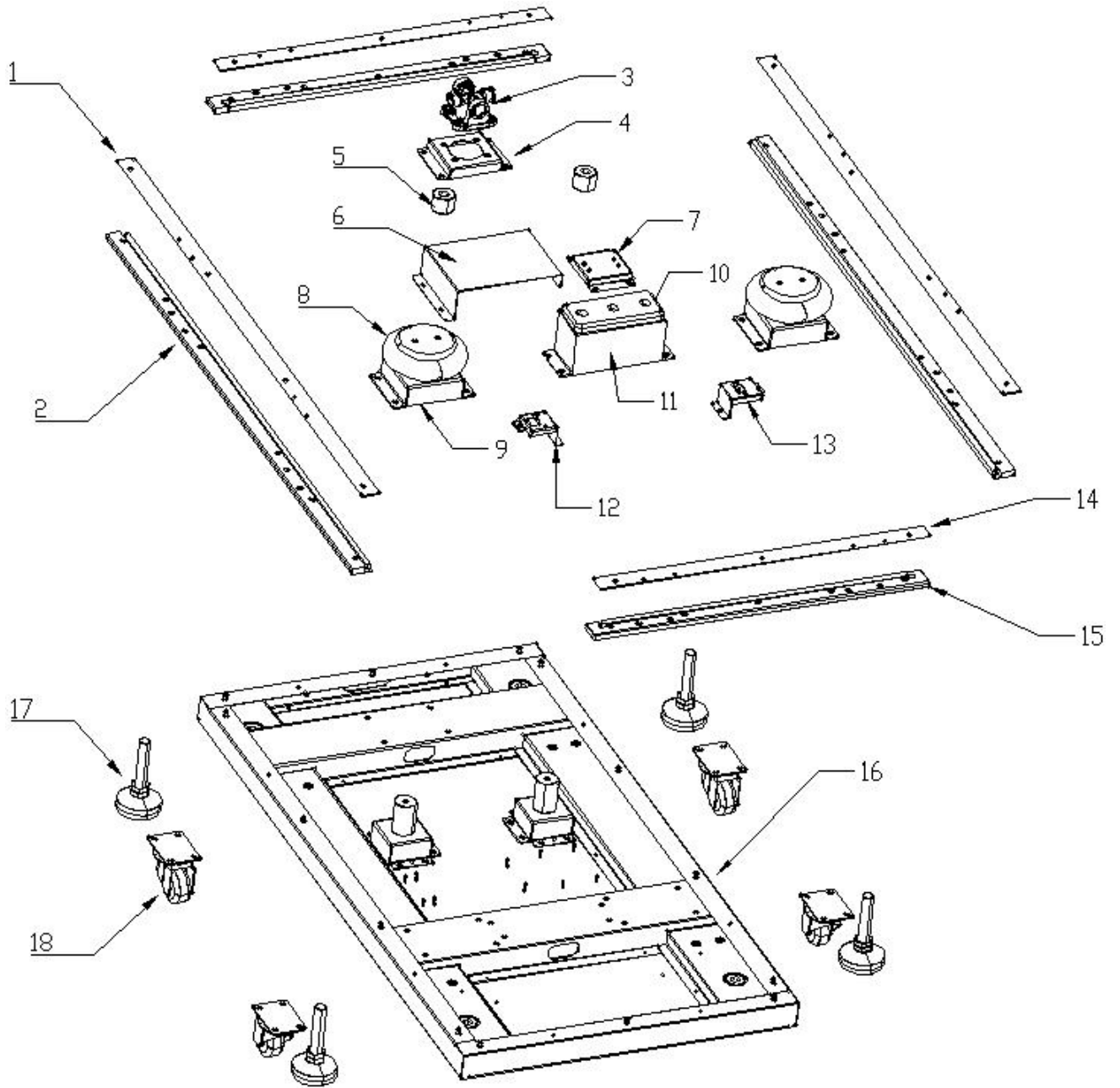
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0606-00	205.4.2437.206A	Seat back plastic	1.1	1
2	M154-0605-00	206.4.2437.019	Seat rotomoulding	1.1	1
3	M154-0604-00	202.4.2437.057	Seat mount plate	1.1	1
4	M154-0608-00	202.4.2437.118	Seat bottom limit plate	1.1	1
5	M154-0607-00	202.4.2437.117	Seat upper limit plate	1.1	1
6	M154-0603-00	2.51.05.000011	Seat rail	1.1	1
7	M154-0602-00	202.4.2437.056	Seat base plate	1.1	1
8	M154-0601-00	202.4.2437.055	Seat base bracket	1.1	1

### 9.10 Motion Platform Upper



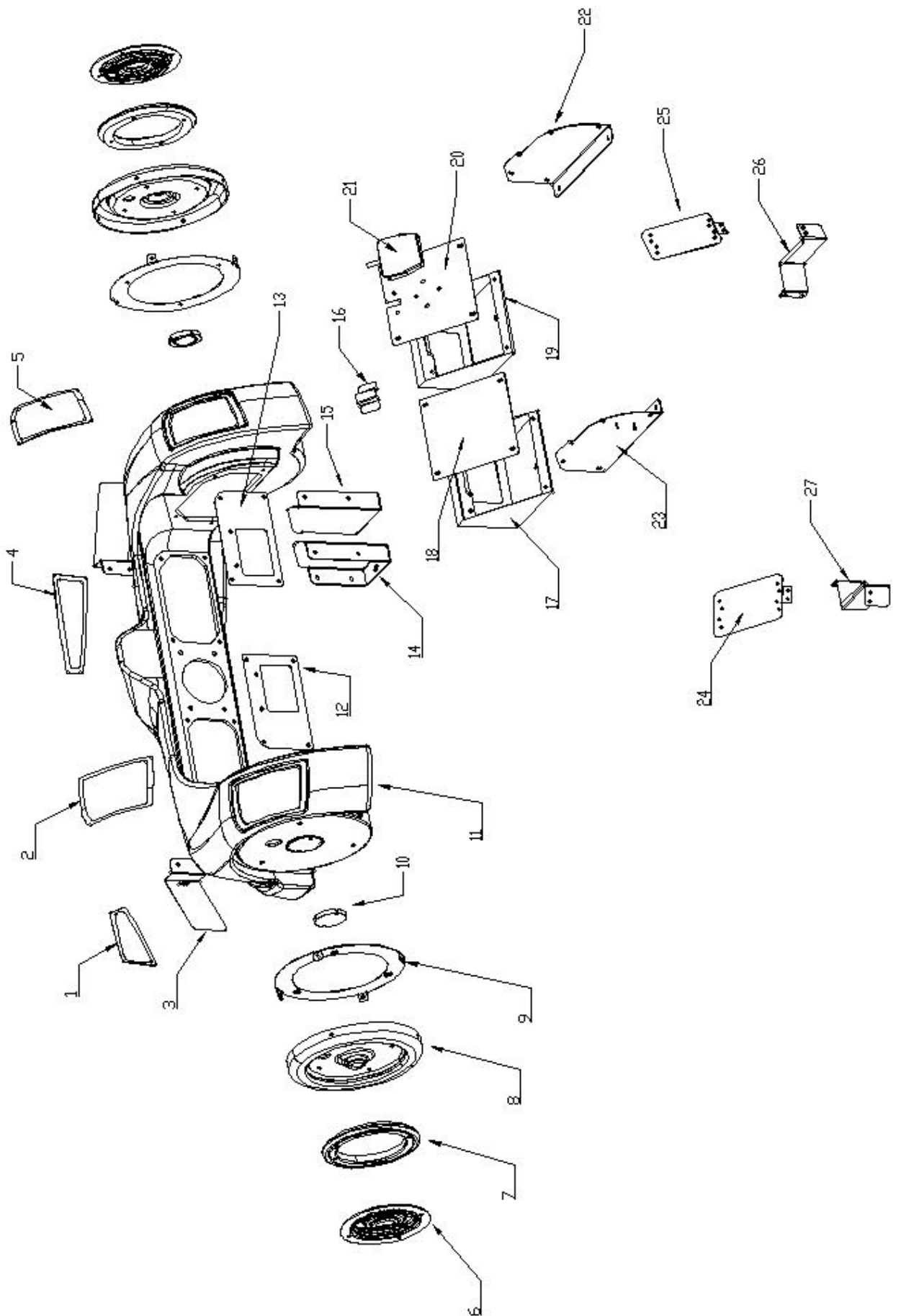
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0403-00	206.4.2437.007	L skirt light plastic	1.1	1
2	M154-0406-00	202.4.2437.034	L skirt light plastic press plate	1.1	1
3	M154-0401-00	202.4.2437.023	Motion platform upper bracket	1.1	1
4	M154-0408-00	202.4.2437.036	Limit support box	1.1	1
5	M154-0410-00	202.4.2437.114	Wiring bracket	1.1	1
6	M154-0409-00	202.4.2437.037	Sensor reflect plate	1.1	2
7	M154-0404-00	206.4.2437.008	R skirt light plastic	1.1	1
8	M154-0407-00	202.4.2437.035	R skirt light plastic press plate	1.1	1
9	M154-0405-00	202.4.2437.033	Back skirt light plastic press plate	1.1	1
10	M154-0402-00	206.4.2437.006	Back skirt light plastic	1.1	1

### 9.11 Motion Platform Bottom



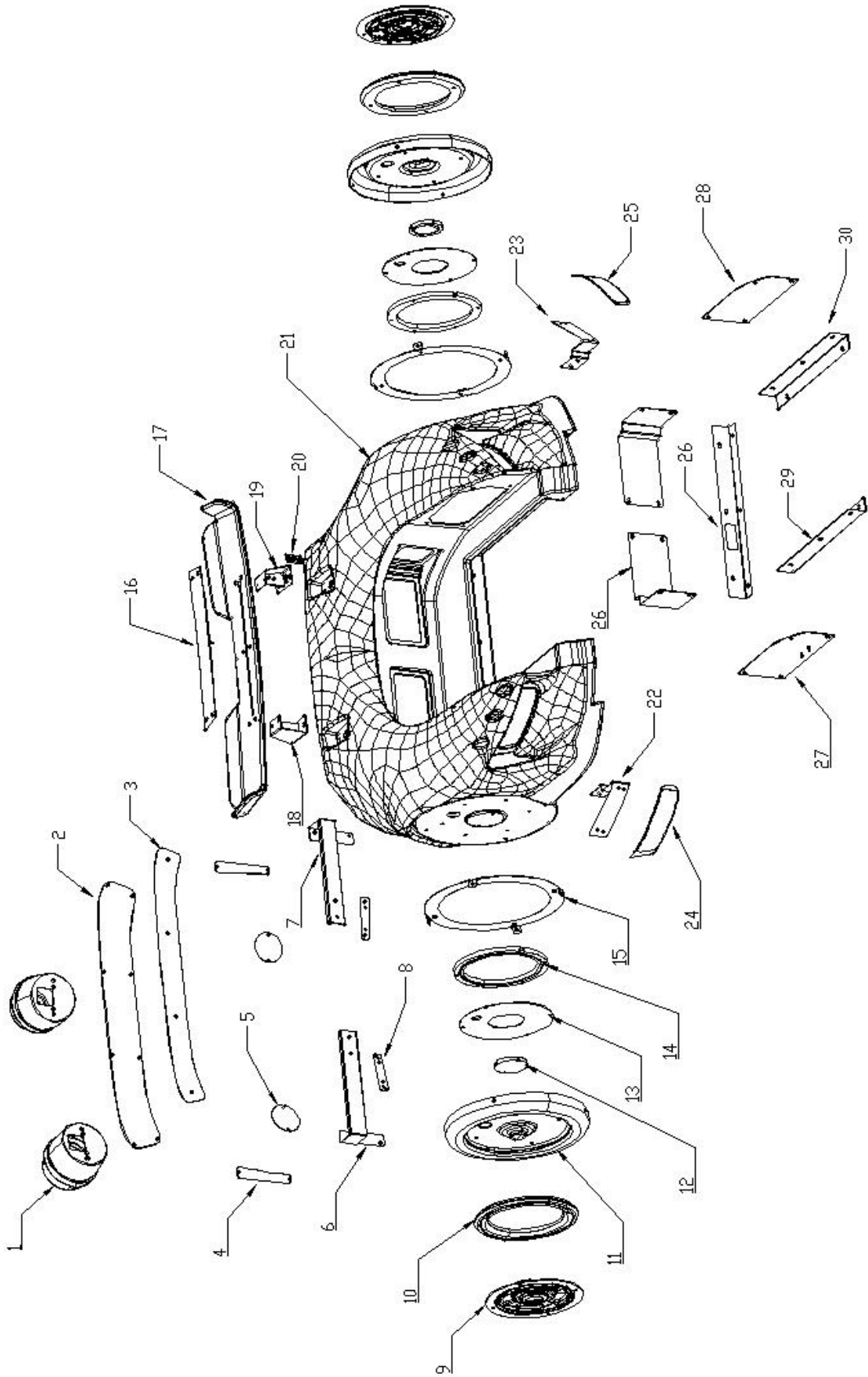
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0312-00	202.4.2437.019	L&R skirt light plastic press plate	1.1	2
2	M154-0306-00	206.4.2437.002	L&R skirt light plastic	1.1	2
3	M154-0321-00	201.17.000303	Universal coupling	1.1	1
4	M154-0320-00	202.4.2437.021	Coupling bottom bracket	1.1	1
5	M154-0325-00	206.4.2141.057	Limit block plate	1.1	2
6	M154-0326-00	206.4.2437.004	Electrical protect PVC	1.1	1
7	M154-0313-00	202.4.2437.020	Solenoid bracket	1.1	1
8	M154-0303-00	2.51.01.21.1001	Air spring	1.1	2
9	M154-0302-00	202.4.2437.015	Air spring mounting bracket	1.1	2
10	M154-0324-00	206.4.2437.003	Limit PU 1	1.1	1
11	M154-0323-00	202.4.2437.022	Limit plate 1	1.1	1
12	M154-0307-00	202.4.2437.016	Sensor detect L plate	1.1	1
13	M154-0308-00	202.4.2437.017	Sensor detect R plate	1.1	1
14	M154-0308-00	202.4.2437.017	Sensor detect R plate	1.1	2
15	M154-0305-00	206.4.2437.001	Up&down skirt light plastic	1.1	2
16	M154-0301-00	202.4.2437.001	Motion Platform Bottom bracket	1.1	1
17	M154-0327-00	2.51.00.010029	Leveller plate	1.1	4
18	M154-0133-00	2.55.01.000047	2.5" caster	1.1	4

### 9.12 Kart Header Assembly



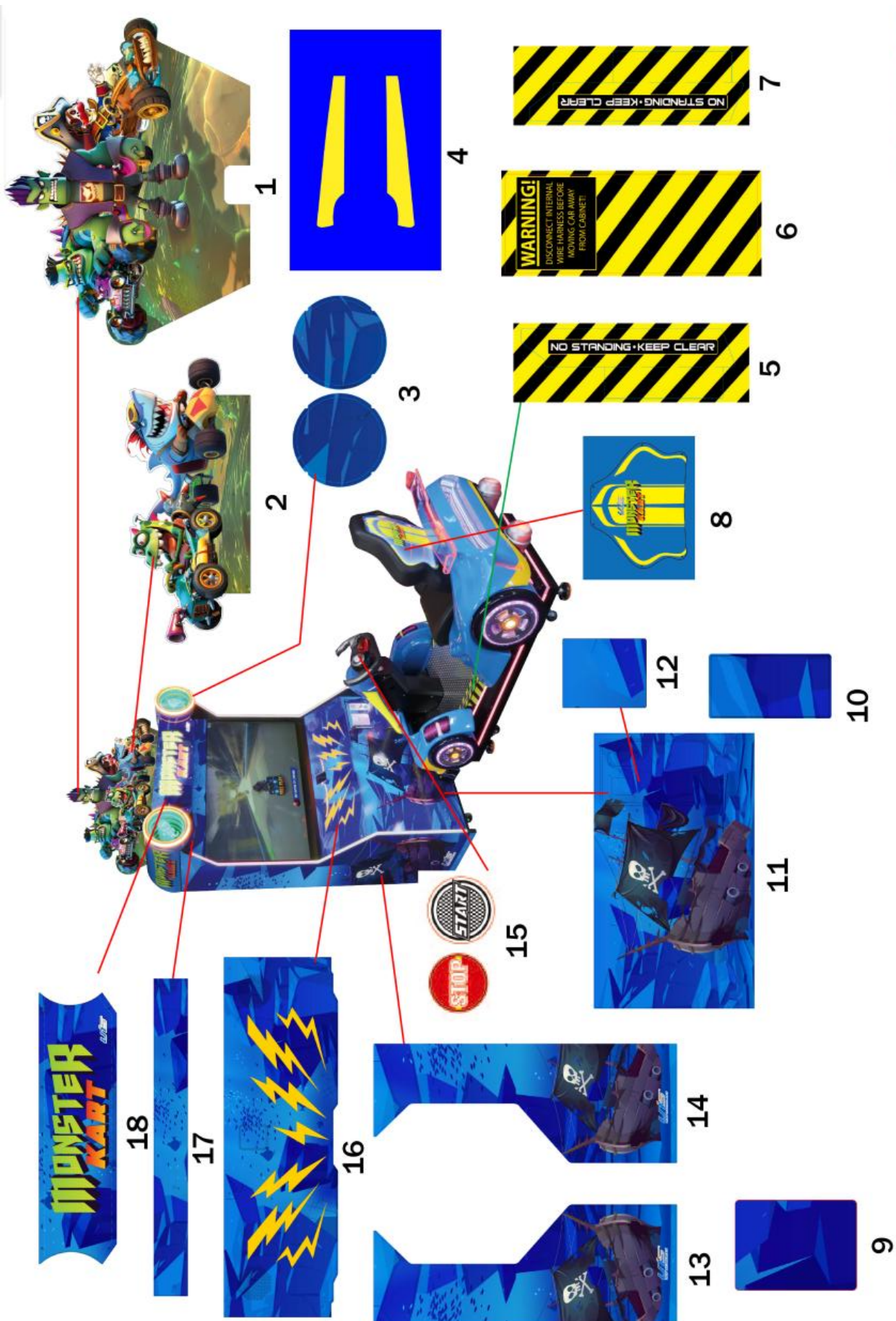
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0727-00	206.4.2437.025	Kart L light PET	1.1	1
2	M154-0720-00	205.4.2437.708	Kart L side light decal	1.1	1
3	M154-0706-00	202.4.2437.064	Kart header light bracket	1.1	1
4	M154-0728-00	206.4.2437.026	Kart R light PET	1.1	1
5	M154-0721-00	205.4.2437.709	Kart R side light decal	1.1	1
6	M154-0725-00	206.4.2437.024	Front tyre moulded ABS	1.1	2
7	M154-0724-00	206.4.2437.023	Front tyre light plastic	1.1	2
8	M154-0723-00	205.4.2437.707	Front tyre outer moulded plastic	1.1	2
9	M154-0726-00	202.4.2437.076	Front tyre mounting plate	1.1	2
10	M154-0722-00	206.4.2437.022	Front tyre middle light plastic	1.1	2
11	M154-0701-00	206.4.2437.037	Blue header PET	1.1	1
12	M154-0704-00	202.4.2437.062	Kart maintenance plate L	1.1	1
13	M154-0705-00	202.4.2437.063	Kart maintenance plate R	1.1	1
14	M154-0702-00	202.4.2437.060A	Kart fixing bracket L	1.1	1
15	M154-0703-00	202.4.2437.061A	Kart fixing bracket R	1.1	1
16	M154-0711-00	202.4.2437.067	Pedal wiring cover plate	1.1	1
17	M154-0707-00	202.4.2437.065	Gas base plate	1.1	1
18	M154-0713-00	202.4.2437.069	Foot pedal plate	1.1	1
19	M154-0712-00	202.4.2437.068	Foot base plate	1.1	1
20	M154-0708-00	202.4.2437.066	Gas pedal	1.1	1
21	M154-0709-00	206.4.2003.019	Gas pedal SW	1.1	1
22	M154-0715-00	202.4.2437.127	Header fixing plate R	1.1	1
23	M154-0714-00	202.4.2437.126	Header fixing plate L	1.1	1
24	M154-0717-00	202.4.2437.073	Header side light plate L	1.1	1
25	M154-0719-00	202.4.2437.075	Header side light plate R	1.1	1
26	M154-0718-00	202.4.2437.074	Header side light bracket R	1.1	1
27	M154-0716-00	202.4.2437.072	Header side light bracket L	1.1	1

### 9.13 Kart Tail Assembly

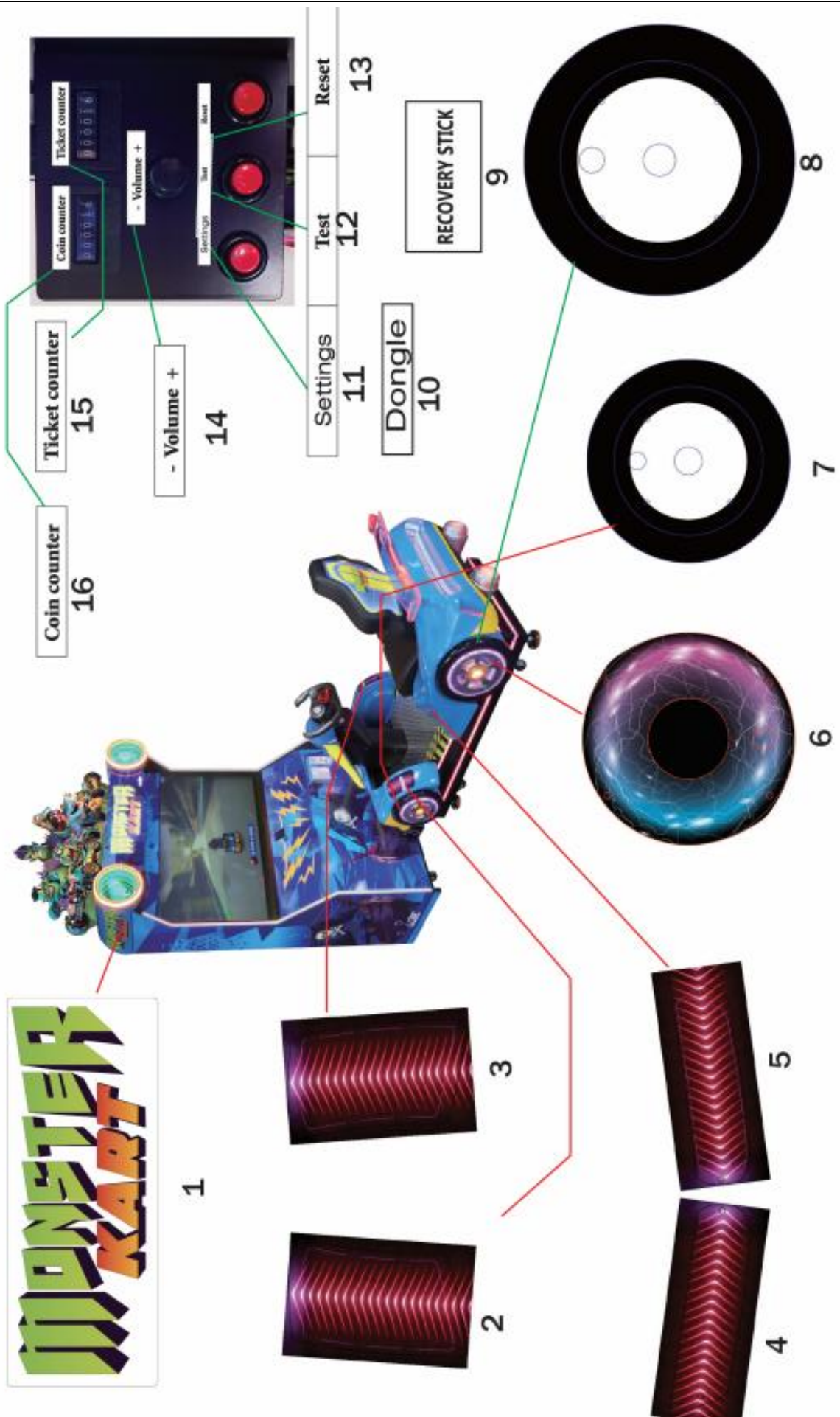


No.	Part No.	Code No.	Name	Version	Qty
1	M154-0510-00	206.4.2437.011	Pipe bracket	1.1	2
2	M154-0521-00	206.4.2437.017	Tail marquee blank plastic	1.1	1
3	M154-0520-00	205.4.2437.703	Tail marquee blank PET	1.1	1
4	M154-0525-00	206.4.2437.018	Guide light plastic	1.1	2
5	M154-0512-00	206.4.2437.012	Pipe light plastic	1.1	2
6	M154-0524-00	202.4.2437.050	Guide light bracket R	1.1	1
7	M154-0523-00	202.4.2437.049	Guide light bracket L	1.1	1
8	M154-0511-00	202.4.2437.046	Pipe fixing plate	1.1	2
9	M154-0518-00	206.4.2437.016	Back tyre moulded ABS	1.1	2
10	M154-0517-00	206.4.2437.015	Back tyre light plastic	1.1	2
11	M154-0516-00	205.4.2437.702	Back tyre outer moulded plastic	1.1	2
12	M154-0513-00	206.4.2437.013	Back tyre middle light plastic	1.1	2
13	M154-0515-00	205.4.2437.701	Back tyre brake PET	1.1	2
14	M154-0514-00	206.4.2437.014	Back tyre brake light plastic	1.1	2
15	M154-0519-00	202.4.2437.047	Back tyre mounting plate	1.1	2
16	M154-0509-00	202.4.2437.122	Tail light cover plate	1.1	1
17	M154-0508-00	206.4.2437.010	Tail wing	1.1	1
18	M154-0506-00	202.4.2437.120	Tail wing bracket R	1.1	1
19	M154-0505-00	202.4.2437.119	Tail wing bracket L	1.1	1
20	M154-0507-00	202.4.2437.121	Tail wing wiring cover	1.1	1
21	M154-0501-00	206.4.2437.036	Tail moulded PET	1.1	1
22	M154-0529-00	202.4.2437.054	Tail side light bracket R	1.1	1
23	M154-0528-00	202.4.2437.053	Tail side light bracket L	1.1	1
24	M154-0531-00	205.4.2437.705	Tail R side light PET	1.1	1
25	M154-0530-00	205.4.2437.704	Tail L side light PET	1.1	1
26	M154-0522-00	202.4.2437.123	Back blank plate	1.1	1
27	M154-0527-00	202.4.2437.125	Tail side blank plate R	1.1	1
28	M154-0526-00	202.4.2437.124	Tail side blank plate L	1.1	1
29	M154-0504-00	202.4.2437.041	Tail fixing plate R	1.1	1
30	M154-0503-00	202.4.2437.040	Tail fixing plate L	1.1	1

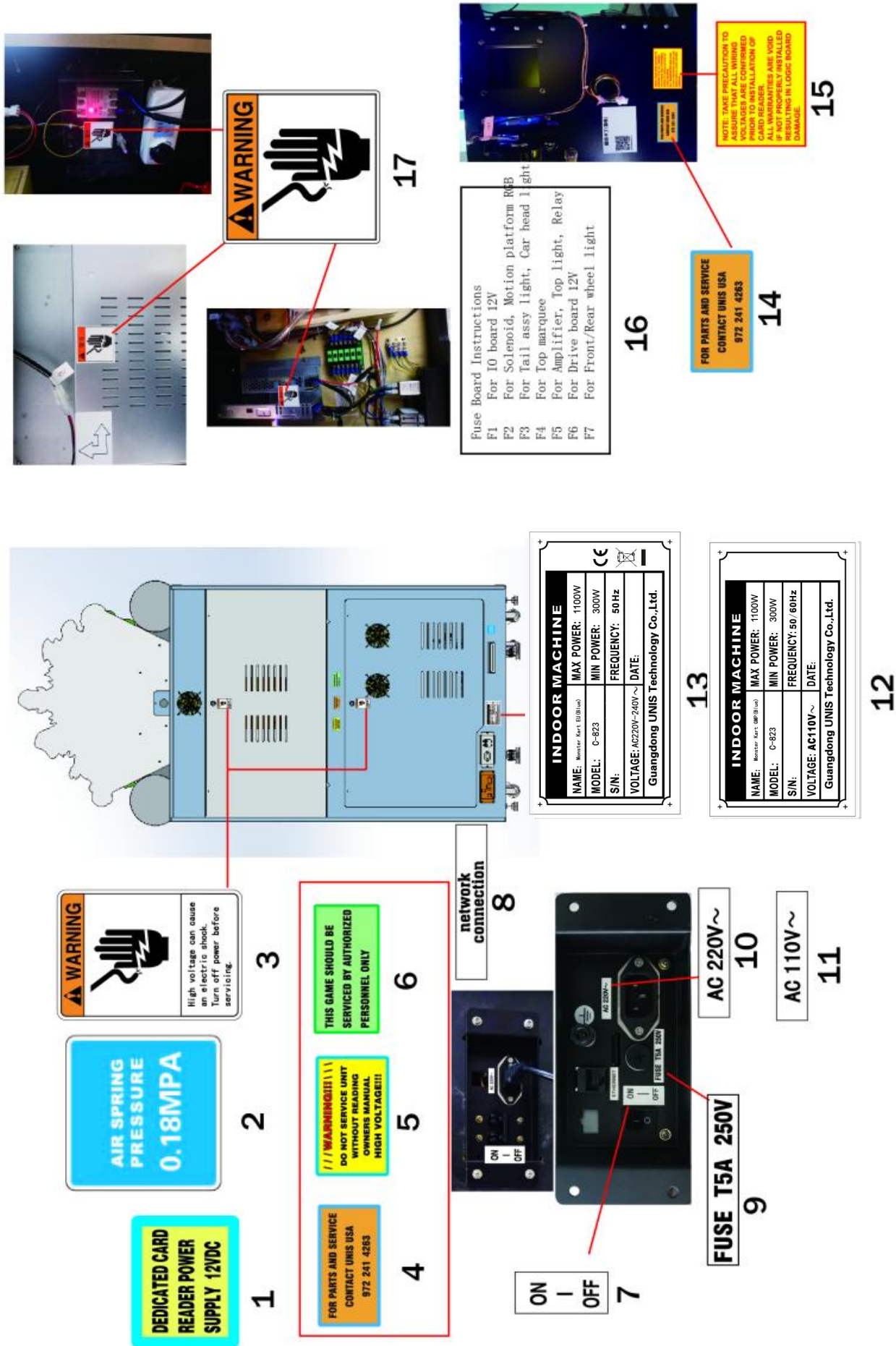
9.14 Decals



No.	Part No.	Code No.	Name	Version	Qty
1	M154-0903-00	205.4.2437.602	Back decoration Andy board	1.1	1
2	M154-0902-00	205.4.2437.601	Character PET	1.1	1
3	M154-1002-00	205.4.2437.812	Side round blue decal	1.1	1
4	M154-0005-00	205.4.2437.810	Kart blue plastic	1.1	1
5	M154-1010-00	205.4.2437.220	L side warning decal	1.1	1
6	M154-1008-00	205.4.2437.218	Warning decal	1.1	1
7	M154-1009-00	205.4.2437.219	R side warning decal	1.1	1
8	M154-0606-00	205.4.2437.206A	Seat back plastic	1.1	1
9	M154-1014-00	205.4.2437.229A	DBV blank decal	1.1	1
10	M154-1210-00	205.4.2437.228A	Coin mechanism blanking plate decal	1.1	1
11	M154-1004-00	205.4.2437.214A	Front door decal	1.1	1
12	M154-1212-00	205.4.2437.827	Ticket dispenser blanking plate decal	1.1	1
13	M154-1006-00	205.4.2437.216A	L side decal	1.1	1
14	M154-1005-00	205.4.2437.215A	R side decal	1.1	1
15	M154-1013-00	205.4.2437.225	Button decal	1.1	1
16	M154-0184-00	205.4.2437.823	Panel plastic Blue	1.1	1
17	M154-1001-00	205.4.2437.811	Marquee bottom decal	1.1	1
18	M154-0185-00	205.4.2437.224A	LOGO marquee plastic	1.1	1



No.	Part No.	Code No.	Name	Version	Qty
1	M154-1003-00	205.4.2437.213	Side LOGO decal	1.1	2
2	M154-0720-00	205.4.2437.708	Kart L side light decal	1.1	1
3	M154-0721-00	205.4.2437.709	Kart R side light decal	1.1	1
4	M154-0531-00	205.4.2437.705	Tail R side light PET	1.1	1
5	M154-0530-00	205.4.2437.704	Tail L side light PET	1.1	1
6	M154-0515-00	205.4.2437.701	Back tyre brake PET	1.1	2
7	M154-0516-00	205.4.2437.702	Back tyre outer moulded plastic	1.1	2
8	M154-0723-00	205.4.2437.707	Front tyre outer moulded plastic	1.1	2
9	M154-1022-00	2.66.01.100283	Recovery stick decal	1.1	1
10	M154-1021-00	2.56.00.000093	Dongle decal	1.1	1
11	M154-1020-00	2.56.00.000092	Settings decal	1.1	1
12	M154-1018-00	2.56.00.000005	Test decal	1.1	1
13	M154-1019-00	2.56.00.000006	Reset decal	1.1	1
14	M154-1017-00	2.56.00.000003	Volume decal	1.1	1
15	M154-1016-00	2.56.00.000002	Ticket counter decal	1.1	1
16	M154-1015-00	2.56.00.000001	Coin counter decal	1.1	1



No.	Part No.	Code No.	Name	Version	Qty
1	M154-1030-00	2.56.00.000121	Adapter decal	1.1	1
2	M154-1011-00	205.4.2437.221	Pressure decal	1.1	1
3	M154-1024-00	2.56.00.000037	High voltage decal(l)	1.1	2
4	M154-1027-00	2.56.00.000095A	Orange maintenance decal	1.1	1
5	M154-1026-00	2.56.00.000067A	Yellow service decal	1.1	1
6	M154-1025-00	2.56.00.000042A	Green service decal	1.1	1
7	M154-1032-00	2.56.00.000017	Power sw decal	1.1	1
8	M154-1034-00	2.56.00.000097	Network connection decal	1.1	1
9	M154-1033-00	2.56.00.000074	Fuse decal	1.1	1
10	M154-1037-00	2.56.00.000072	220V decal	1.1	1
11	M154-1035-00	2.56.00.000071	110V decal	1.1	1
12	M154-1007-00	205.4.2437.217A	110V nameplate	1.1	1
13	M154-1036-00	205.4.2437.217C	220V nameplate	1.1	1
14	M154-1028-00	2.56.00.000096A	Orange maintenance decal(s)	1.1	1
15	M154-1029-00	2.56.00.000120	AAMA warning decal	1.1	1
16	M154-1012-00	205.4.2437.222	Fuse board instruction decal	1.1	1
17	M154-1023-00	2.56.00.000036	High voltage decal(s)	1.1	3

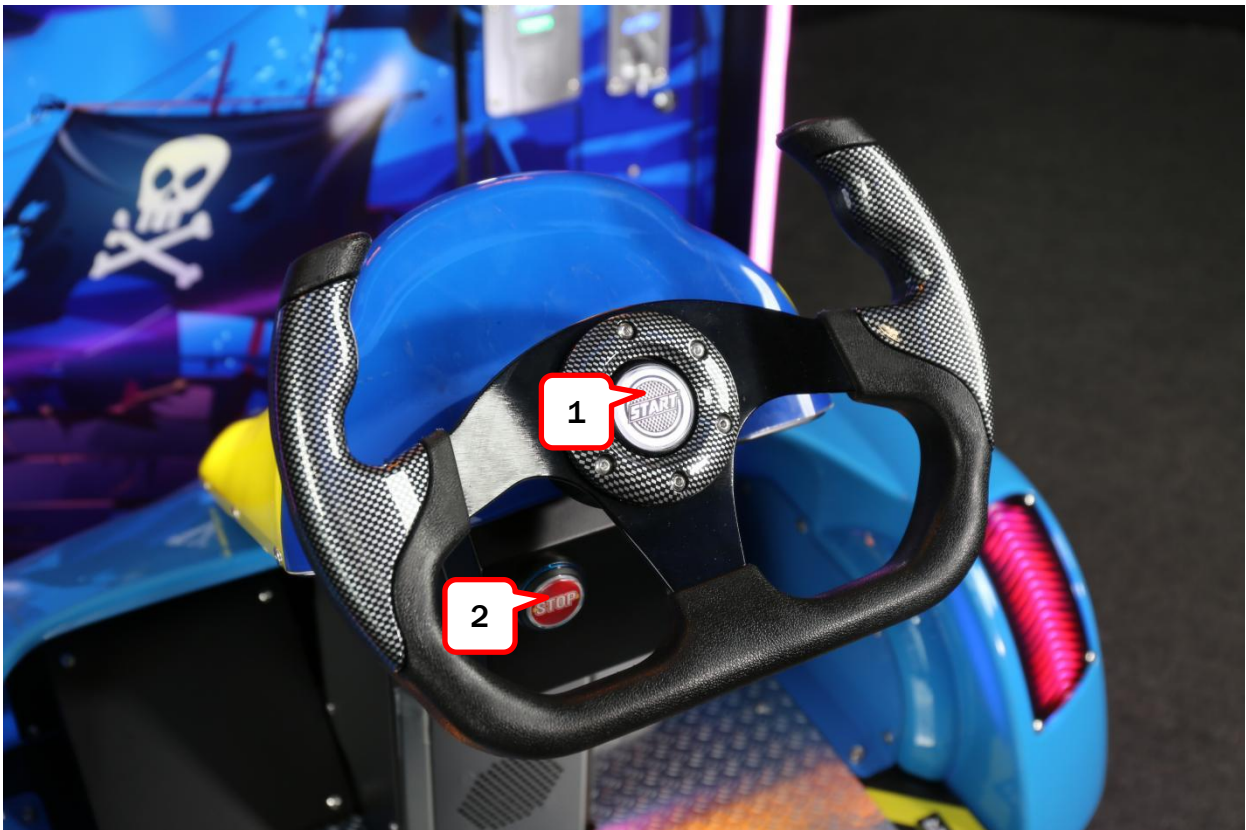
## 9.15 Electrical Components



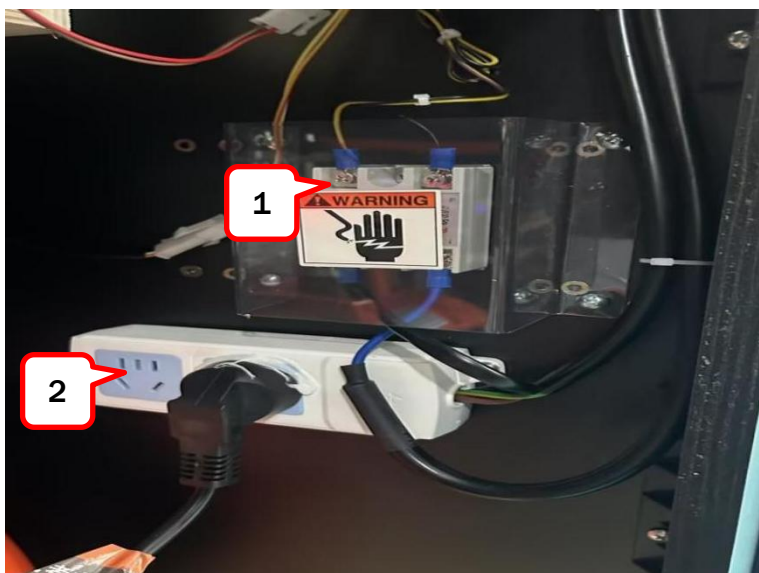
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0906-00	2.20.02.000047	TG5050 white light strip	1.1	112.2In (2850mm)
2	M154-1102-00	2.20.02.015019	5050 white light strip	1.1	92.52 In (2350mm)
3	M154-1107-00	2.20.02.020057	2835 yellow light strip	1.1	27.56 In (700mm)
4	M154-1106-00	2.20.02.020067	2835 green light strip	1.1	45.28 In (1150mm)
5	M154-1103-00	2.20.02.020031	5050 RGB light strip	1.1	68.9 In (1750mm)
6	M154-1134-00	2.12.01049005G	49" monitor	1.1	1
7	M154-1102-00	2.20.02.015019	5050 white light strip	1.1	47.24 In (1200mm)
8	M154-1104-00	2.20.02.020059	2835 red light strip	1.1	11.81 In (300mm)
9	M154-1104-00	2.20.02.020059	2835 red light strip	1.1	3.94 In (100mm)
10	M154-1143-00	297.5.1302002	LED light board	1.1	2
11	M154-1103-00	2.20.02.020031	5050 RGB light strip	1.1	23.62 In (600mm)
12	M154-1101-00	2.20.02.020060	2835 blue light strip	1.1	44.49 In (1130mm)
13	M154-1101-00	2.20.02.020060	2835 blue light strip	1.1	51.18 In (1300mm)
14	M154-1103-00	2.20.02.020031	5050 RGB light strip	1.1	27.56 In (700mm)
15	M154-1103-00	2.20.02.020031	5050 RGB light strip	1.1	133.86 In (3400mm)
16	M154-1146-00	2.34.01.000025	Blower	1.1	1
17	M154-1128-00	2.23.06000022	Coin mechanism	1.1	1
18	M154-1153-00	2.31.00000015	Ticket dispenser	1.1	1
	M154-1151-00	297.9.0700002	Ticket convert board	1.1	1
19	M154-1145-00	2.28.01.080032	Speaker	1.1	2



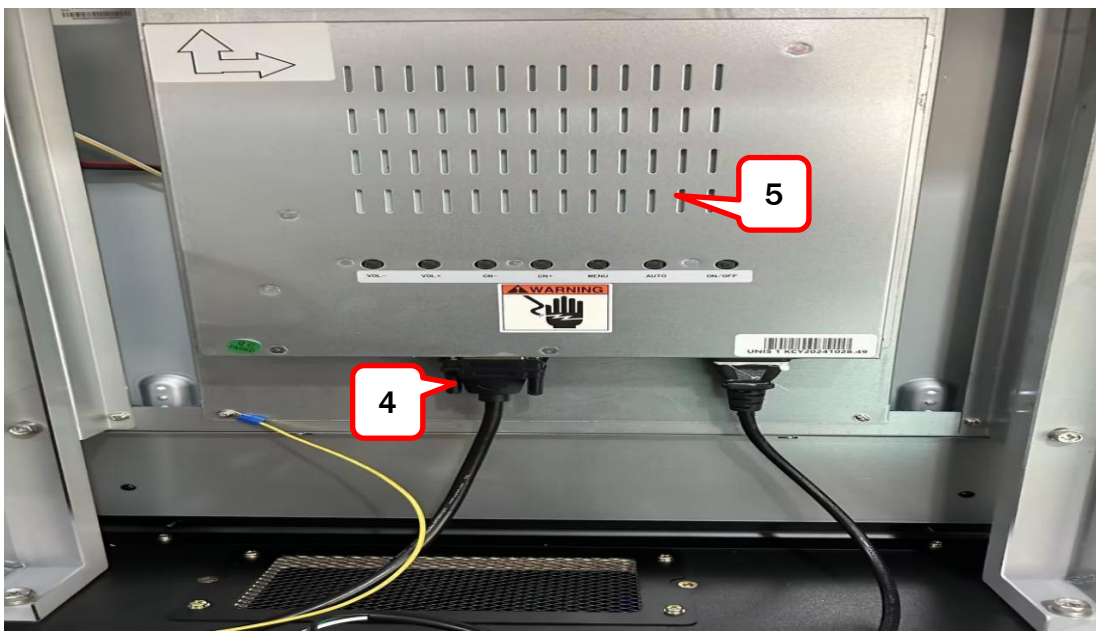
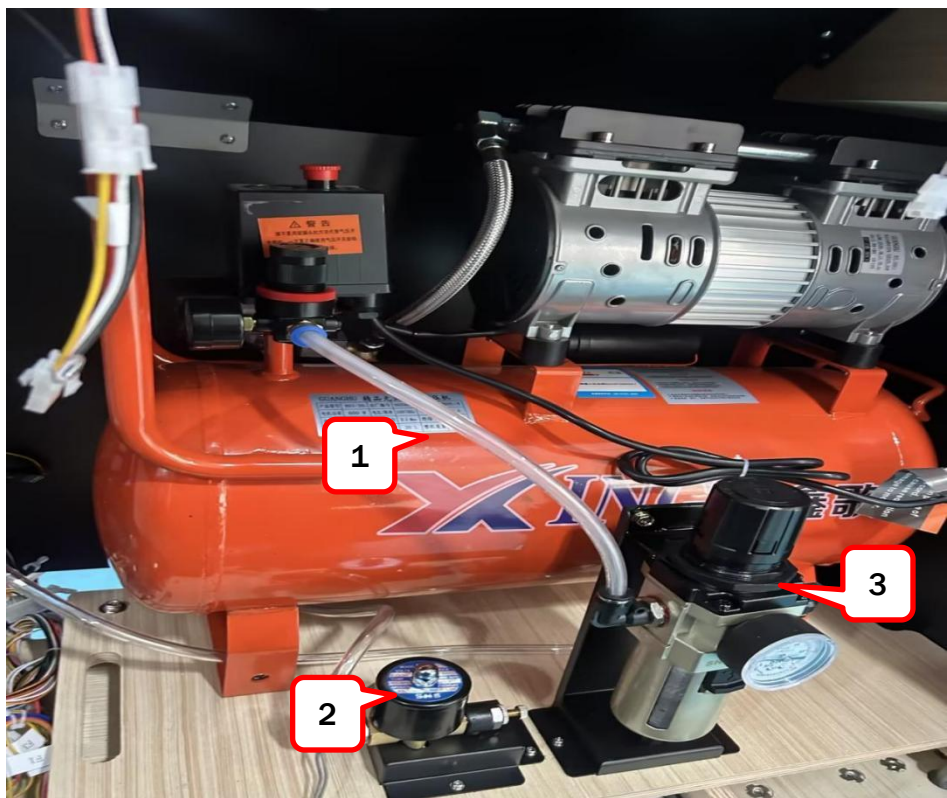
No.	Part No.	Code No.	Name	Version	Qty
1	M154-1105-00	2.20.02.020048	2812 light strip	1.1	5.12 In +30 light beads (130mm+30 light beads )
2	M154-1108-00	2.20.02.020056	2835 white light strip	1.1	21.65 In (550mm)
3	M154-1107-00	2.20.02.020057	2835 yellow light strip	1.1	6.3 In (160mm)
4	M154-1105-00	2.20.02.020048	2812 light strip	1.1	5.12 In +30 light beads (130mm+30 light beads )
5	M154-1107-00	2.20.02.020057	2835 yellow light strip	1.1	4.72 In (120mm)
6	M154-1102-00	2.20.02.015019	5050 white light strip	1.1	17.72 In (450mm)
7	M154-1102-00	2.20.02.015019	5050 white light strip	1.1	13.78 In (350mm)
8	M154-1150-00	2.24.01.300045	Start button	1.1	1



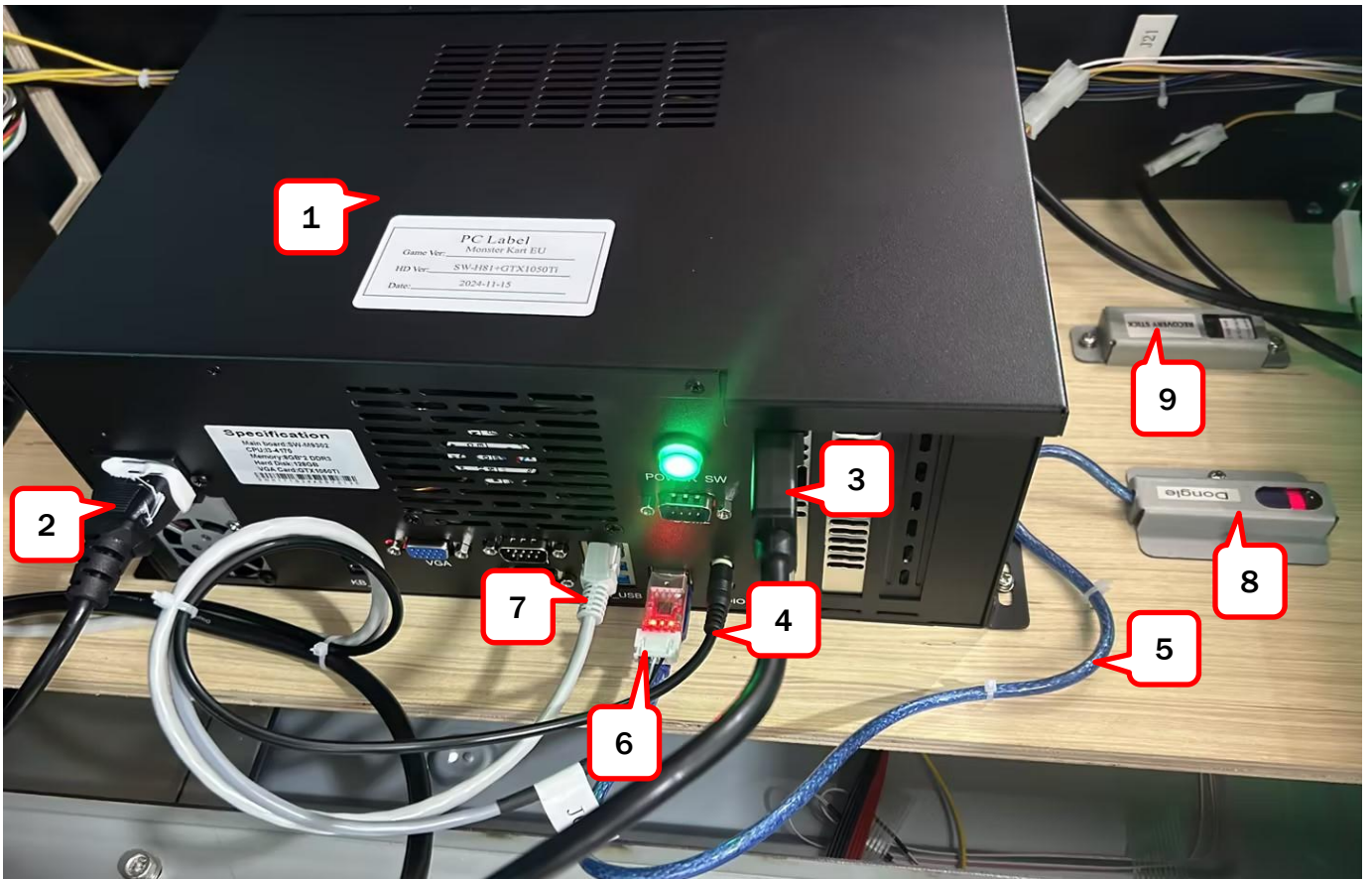
No.	Part No.	Code No.	Name	Version	Qty
1	M154-1150-00	2.24.01.300045	Start button	1.1	1
2	M154-1149-00	2.24.01.300044	Stop button	1.1	1



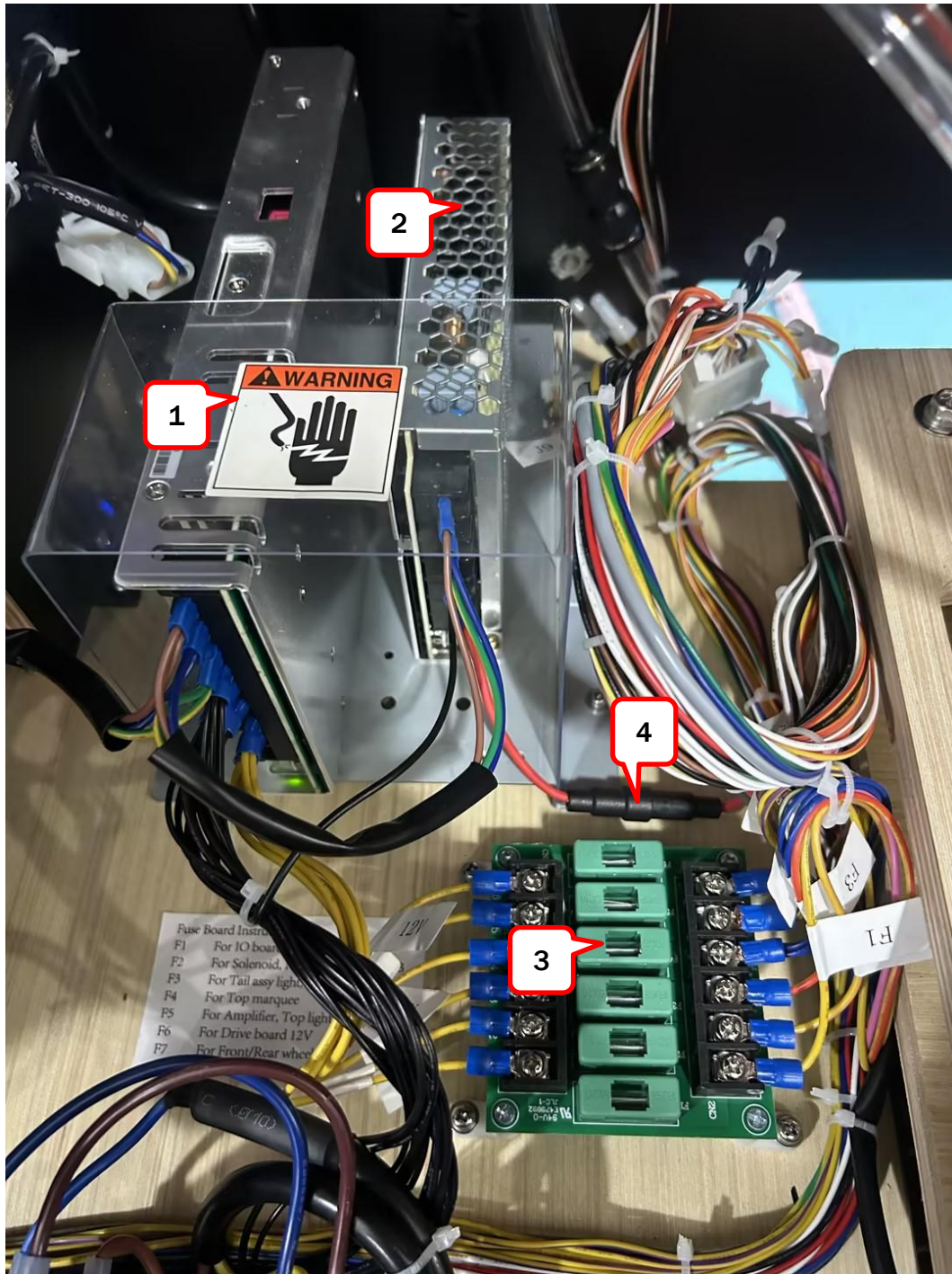
No.	Part No.	Code No.	Name	Version	Qty
1	M154-1131-00	2.21.4.0000043	Relay	1.1	1
	M154-1117-00	2.16.06.000112	Socket(110V)	1.1	1
2	M154-1118-00	2.16.06.000111	Socket box(110V)	1.1	1
	M154-1180-00	2.16.06.040021	Socket(220V)	1.1	1



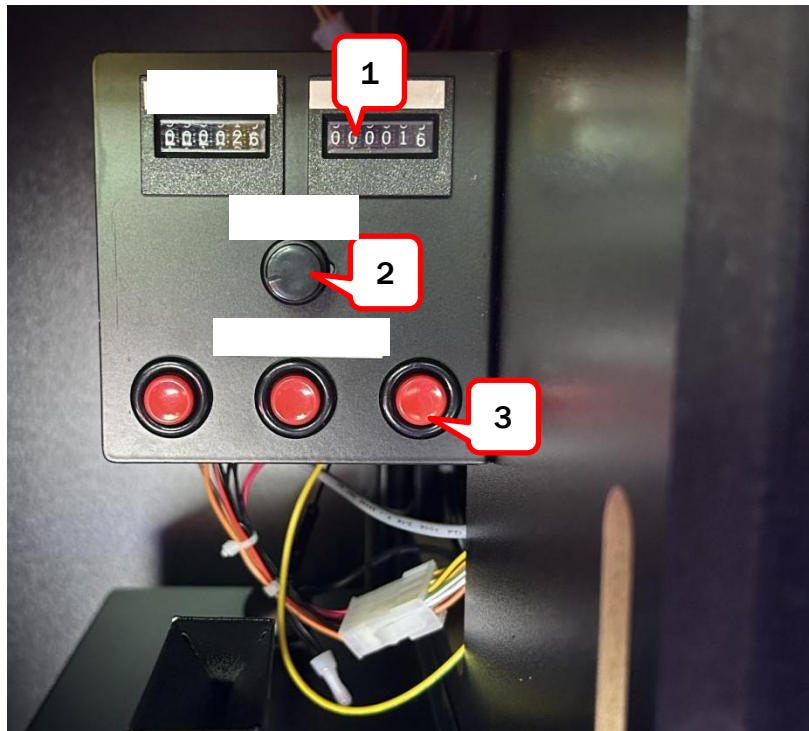
No.	Part No.	Code No.	Name	Version	Qty
1	M154-0204-00	4.06.11.01.0211	Air compressor (110V)	1.1	1
	M154-0205-00	4.06.11.01.0203	Air compressor (220V)	1.1	1
2	M154-0208-00	2.51.01.12.3010	Control valve	1.1	1
3	M154-0209-00	2.51.01.12.3008	Speed adjust valve	1.1	1
4	M154-1124-00	2.33.07.060003	DP-DVI cable	1.1	1
5	M154-1134-00	2.12.01049005G	49" monitor	1.1	1



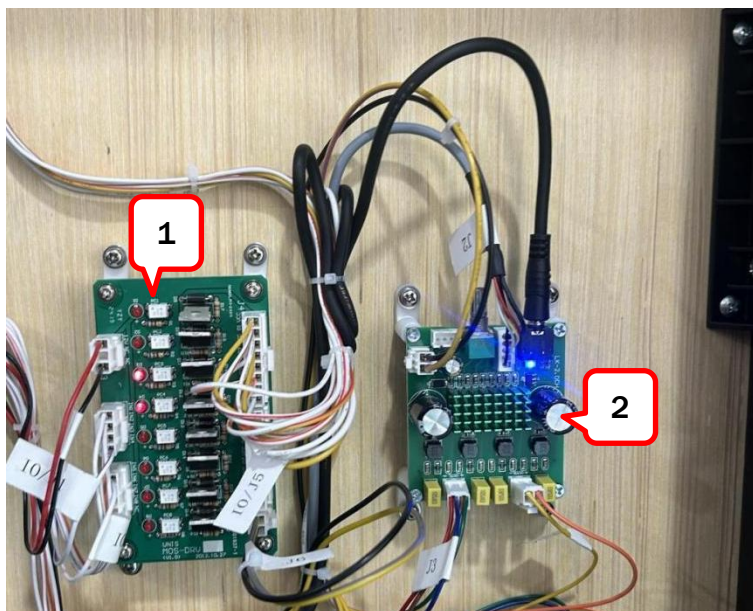
No.	Part No.	Code No.	Name	Version	Qty
1	M154-1122-00	2.11.02.000171	PC	1.1	1
2	M154-1125-00	2.33.01.010045	Power cord	1.1	1
3	M154-1124-00	2.33.07.060003	DP-DVI cable	1.1	1
4	M154-1123-00	2.33.05.000007	Audio cable	1.1	1
5	M154-1140-00	2.33.04.000100	Extend cable	1.1	1
6	M154-1129-00	2.14.12.020010	TTL cable	1.1	1
7	M154-1142-00	2.33.02.000014	Network cable	1.1	1
8	M154-1148-00	2.11.07.020036	Dongle	1.1	1
9	M154-1130-00	4.13.00000012	Recovery stick	1.1	1



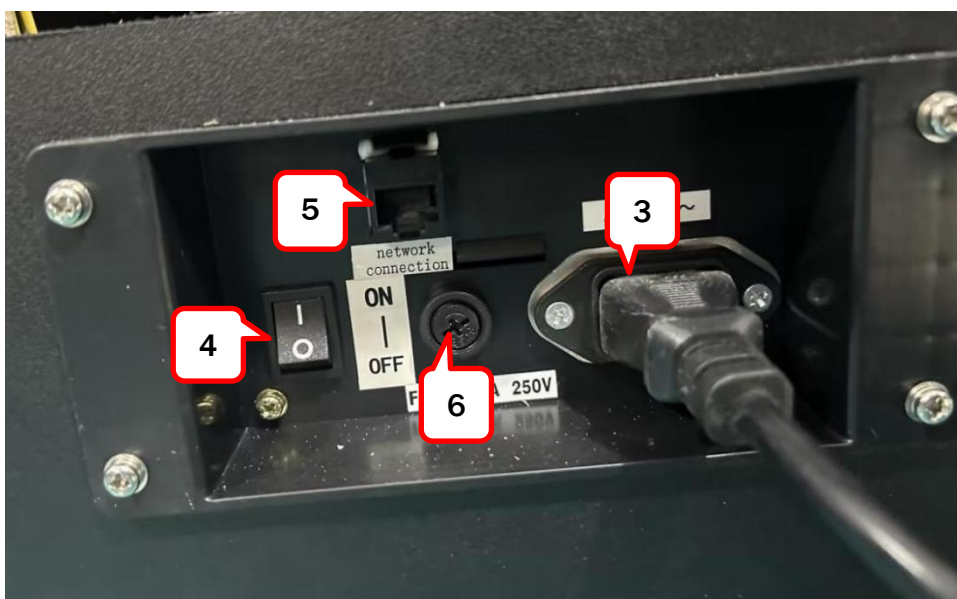
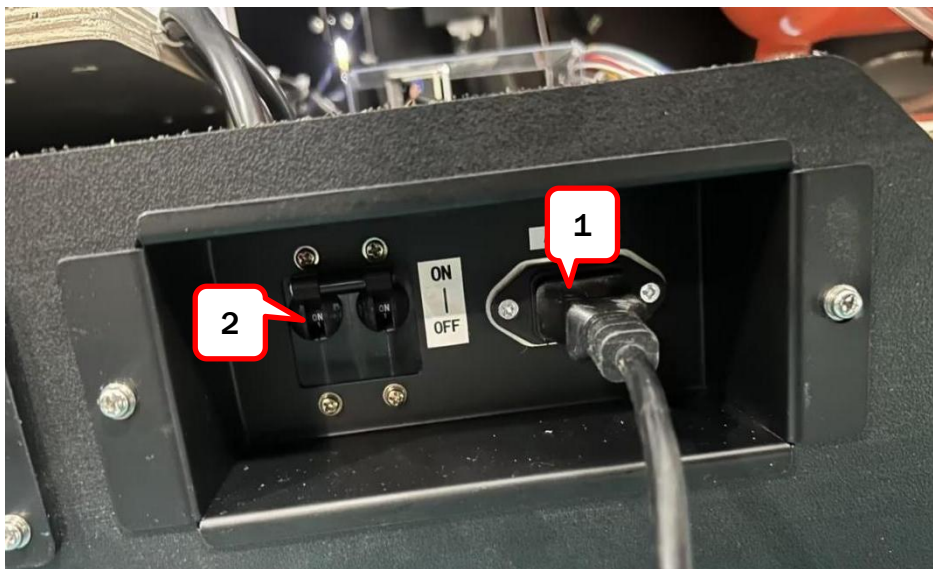
No.	Part No.	Code No.	Name	Version	Qty
1	M154-1115-00	2.16.02.000117	Power supply(12V)	1.1	1
2	M154-1116-00	2.16.02.000122	Power supply(5V)	1.1	1
3	M154-1119-00	2.17.14.000148D	Fuse board	1.1	1
4	M154-1137-00	2.19.02.000006	Fuse holder	1.1	1



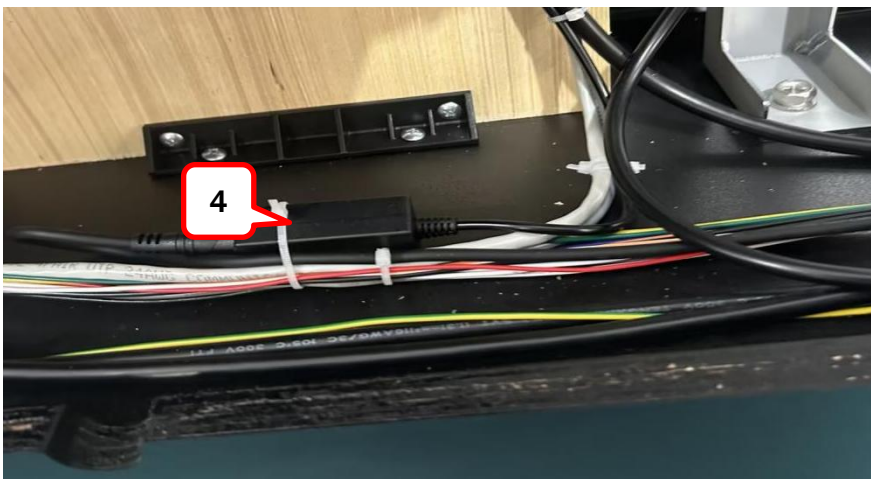
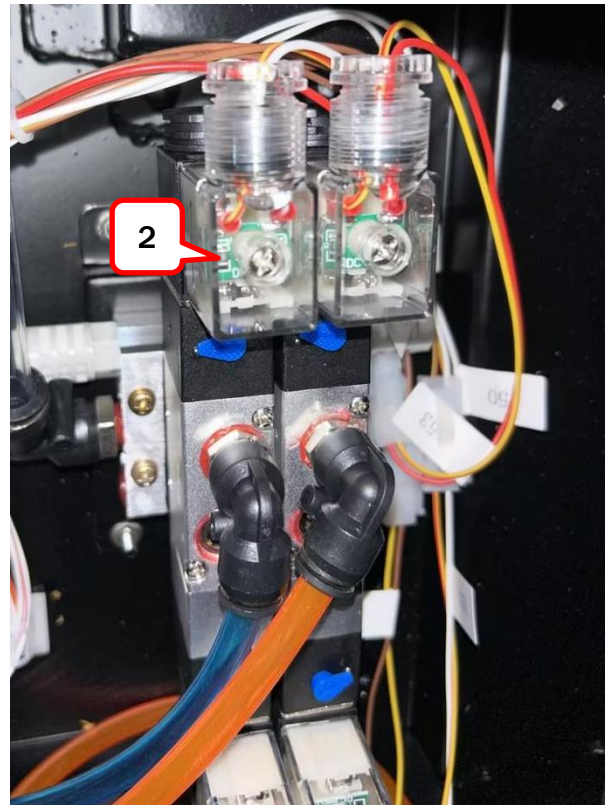
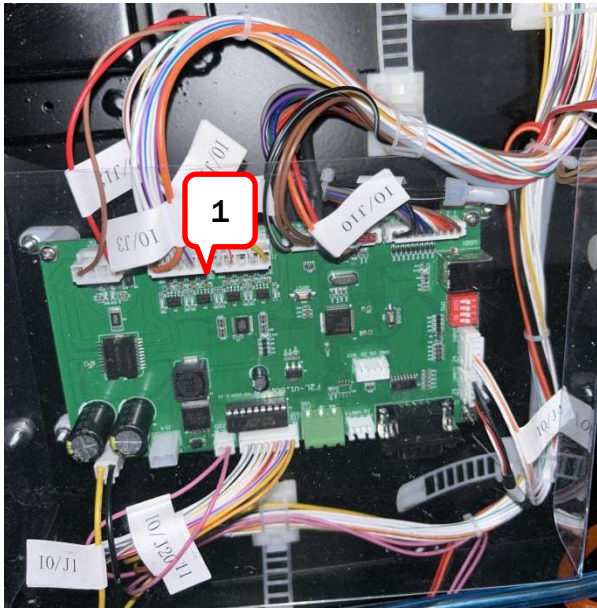
No.	Part No.	Code No.	Name	Version	Qty
1	M154-1127-00	2.30.00000006	Counter	1.1	2
2	M154-1112-00	2.24.03.000001	Knob	1.1	1
	M154-1113-00	297.9.1400001	POT board	1.1	1
3	M154-1144-00	2.24.02.000005	Red button	1.1	3



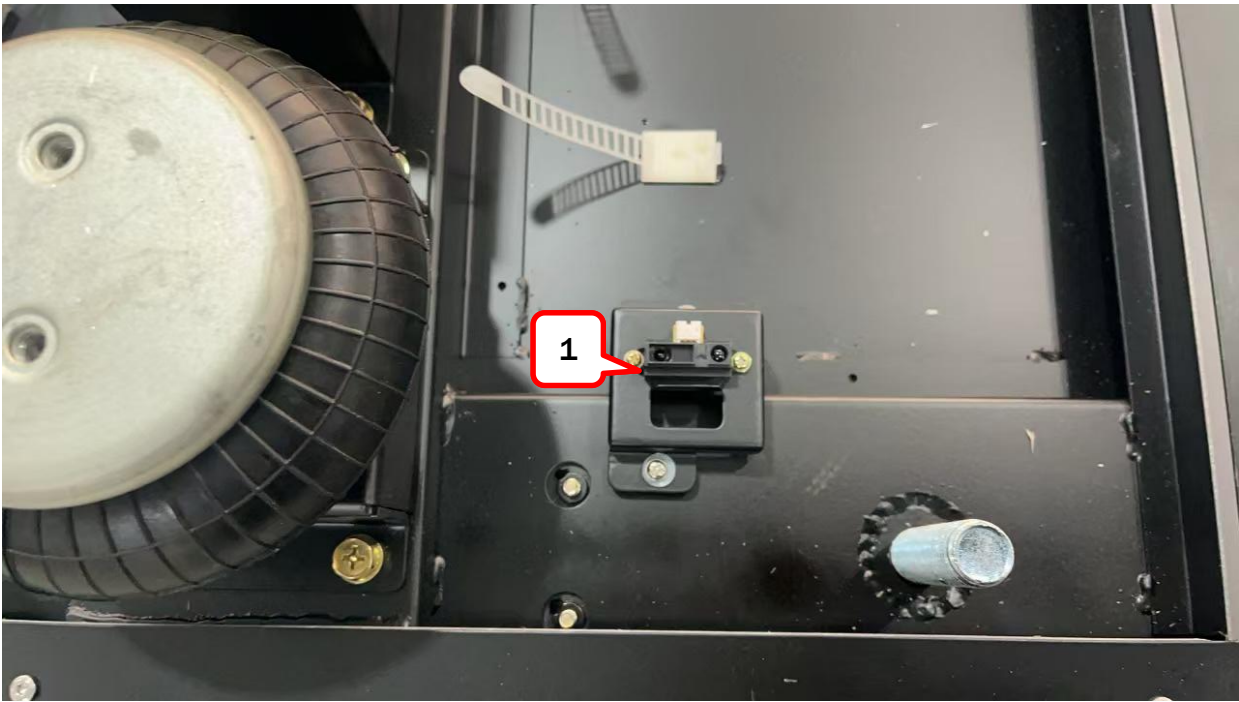
No.	Part No.	Code No.	Name	Version	Qty
1	M154-1109-00	297.1.1208002A	Drive board	1.1	1
2	M154-1120-00	2.28.03.060018	Amplifier	1.1	1



No.	Part No.	Code No.	Name	Version	Qty
1	M154-1114-00	2.32.01000004	Filter	1.1	1
2	M154-1135-00	2.26.02.000091	Breaker	1.1	1
3	M154-1114-00	2.32.01000004	Filter	1.1	1
4	M154-1139-00	2.26.01.000005	Rocket SW	1.1	1
5	M154-1140-00	2.33.04.000100	Extend cable	1.1	1
6	M154-1138-00	2.19.01.000012	Fuse	1.1	1

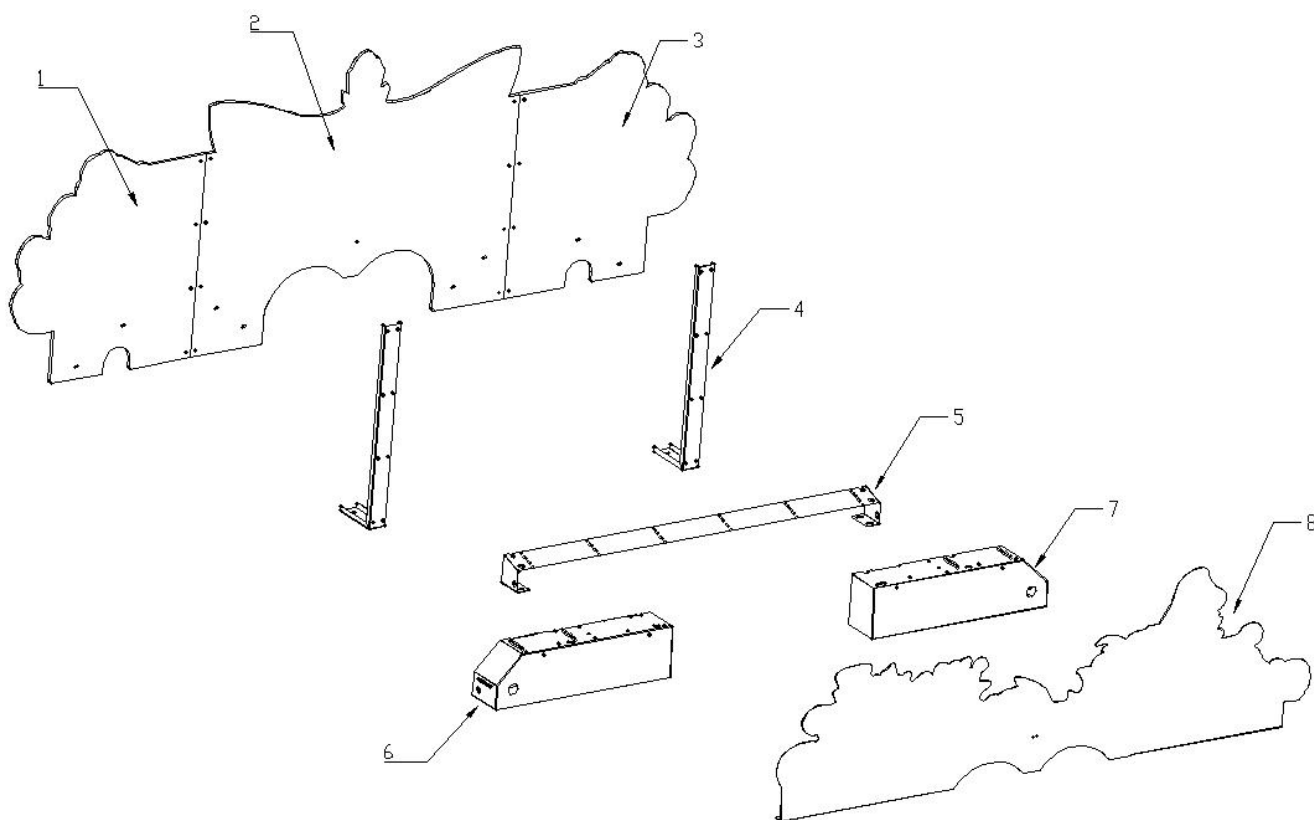


No.	Part No.	Code No.	Name	Version	Qty
1	M154-1110-00	297.6.2409003	IO board	1.1	1
2	M154-0315-00	2.51.01.12.5017	Solenoid	1.1	2
3	M154-1132-00	2.27.02.000010	Fan net	1.1	2
	M154-1133-00	2.27.02.050017	Fan	1.1	1
4	M154-1136-00	2.28.07.000003	Audio isolator	1.1	1



No.	Part No.	Code No.	Name	Version	Qty
1	M154-1121-00	2.15.01.000043	Sensor	1.1	2

### 9.16 2P Marquee Assembly



No.	Part No.	Code No.	Name	Version	Qty
1	M154-1308-00	205.4.2437.502	L Andy board	1.1	1
2	M154-1309-00	205.4.2437.503	Mid Andy board	1.1	1
3	M154-1310-00	205.4.2437.504	R Andy board	1.1	1
4	M154-1304-00	202.4.2437.089	POP bracket	1.1	2
5	M154-1303-00	202.4.2437.088	Twin marquee bracket mid	1.1	1
6	M154-1302-00	202.4.2437.087	Twin marquee bracket R	1.1	1
7	M154-1301-00	202.4.2437.086	Twin marquee bracket L	1.1	1
8	M154-1307-00	205.4.2437.501	Front PET	1.1	1



No.	Part No.	Code No.	Name	Version	Qty
1	M154-0906-00	2.20.02.000047	TG5050 white light strip	1.1	62.99 In (1600mm)
2	M154-0906-00	2.20.02.000047	TG5050 white light strip	1.1	43.31In (1100mm)

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## **10. AIR COMPRESSOR INSTRUCTION(For 110V)**

### **10.1.Introduction**

#### **10.1.1 Foreword:**

First of all, thank you for choosing our company's oil-free air compressor, which is meticulously designed using the latest international technology. Our products undergo rigorous inspection and testing before leaving the factory. However, to ensure safe and reliable operation and to guarantee a long service life, we kindly ask you to take some time to carefully read this manual before use in order to operate and maintain the machine correctly. If there are any uncertainties, please contact our company or a nearby distributor for satisfactory service. We hope that our product will make a smooth contribution to your work and life.

#### **10.1.2 Service Content:**

Our products are only intended for use by users who follow the installation and operation instructions in this manual. Within the warranty period, if the parts of our product are defective or damaged, our company will replace them free of charge or at a charge. Our technical department is the only authorized entity to confirm whether damage is covered by the quality assurance scope. This quality assurance does not cover direct or indirect human or material loss or damage caused by improper operation and maintenance of the machine. It is limited to damage to materials and parts (excluding normal wear and tear of all parts).

#### **10.1.3 Receipt of Goods:**

When you receive the air compressor, please first check whether the model and specifications match your order.

Check if there is any damage to the machine and accessories during transport. If there are any shortages or damage, please contact us for a prompt resolution.

### **10.2. Product Introduction**

Our company's oil-free air compressor (referred to as "the air compressor") is widely used in fields such as dentistry, farming, food, pharmaceuticals, fitness, beauty, chemicals, scientific experiments, and can also be used as a vacuum pump, due to its ability to provide a clean, environmentally friendly air source free of oil contamination. Its main advantages are as follows:

The motor adopts an advanced design system for optimization, ensuring the compressor achieves high power, efficiency, low energy consumption, high performance, and high reliability.

The piston ring uses a new environmentally friendly material with a low friction coefficient, capable of self-lubrication. This replaces the traditional oil-lubricated piston machines, and more importantly, it does not produce harmful substances containing any oil, preventing secondary contamination of the air source.

The cylinder sleeve adopts an advanced surface hardening process, greatly reducing

thickness and accelerating heat transfer. This effectively improves surface density and wear resistance, reducing friction coefficient, thereby extending service life and reducing maintenance time and costs.

The intake and exhaust valve plates are made from Swedish valve steel that undergoes over 80 hours of precision grinding, combined with a reasonable silencing design, greatly improving volumetric efficiency and significantly reducing noise compared to other similar products.

Multiple pressure and overload protection ensure smooth and reliable operation of the machine.

The overall design of the machine is thoughtful, flexible to move, easy to operate, and convenient to maintain.

### **10.3. Main Technical Parameters**

Type: Piston Type

Compressed Medium: Air

Suction Pressure: Atmospheric Pressure

Cooling Method: Air Cooling

Rated Discharge Volume: 120L/min

Rated Discharge Pressure: 0.8MPa

Rated Power: 600W

Power Supply/Frequency: 110V/60Hz

Motor Speed: 1480r/min

Motor Temperature Protector Cutoff Temperature: 135° C

Noise: ≤70dB(A)

Startup Method: Direct Start

Discharge Volume Control: Discharge volume adjustable manually in the range of 100%-0

Air Tank Volume: 30L

Motor Insulation Class: B

Safety Valve Opening Pressure: 0.88MPa

### **10.4. Air Compressor Operation**

4.1 Place the switch button in the ON or Auto position, connect the power, and the machine will start. If the machine does not start, lower the air pressure in the air tank to below 0.4MPa before starting.

4.2 Place the switch button in the OFF position to cut off the power, and the machine will stop running.

4.3 The switch is equipped with a safety valve. When the pressure in the air tank exceeds 0.88MPa, the safety valve will make a sound and release the pressure. If the safety valve sounds, please inspect the air pressure switch and ensure that the working pressure of the air pressure switch does not exceed the rated working pressure.

4.4 After daily shutdown, gently press the pin below the oil-water separator to drain the water from the oil-water separator. (Some users may not install the oil-water separator, in which case this step is not needed.)

4.5 The pressure of the gas discharged from the exhaust valve can be adjusted using the pressure regulating knob on the oil-water separator. Turning the knob clockwise increases the discharge pressure, which can reach the maximum pressure of the air tank. Turning the knob counterclockwise decreases the discharge pressure, and at the minimum setting, the gas source can be completely shut off. Note: When the knob reaches its limit position, do not continue to forcefully rotate it to avoid causing damage.

4.6 When adjusting the air pressure switch working pressure, remove the cover of the air pressure switch, and adjust the rotary screw inside the pressure switch. Turn clockwise to increase the pressure, and counter-clockwise to decrease the pressure. Make sure to disconnect the power before adjusting.

## 10.5. Usage Requirements

5.1 Before use, please read this manual.

5.2 The air compressor should be stored in a dry, well-ventilated indoor space, strictly avoiding proximity to perishable, decaying, flammable, and chemical substances. The storage period should not exceed two years from the date of manufacture. If the storage period exceeds this, the machine should be inspected and maintained, and necessary tests should be performed.

5.3 The machine should not be subjected to impact. When in use, ensure it is placed upright. During transportation, avoid tilting or inverting the machine to prevent malfunction.

5.4 To ensure safety and prolong the machine's service life, it should be placed in a location with good airflow, cleanliness, and coolness. Avoid using it in environments with high temperatures, polluted air, excessive dust, or exhaust fumes from oil-based fuels.

5.5 Before connecting to the power supply, ensure the machine is in the OFF position. Once the power is connected, turn on the switch to begin operation. The power supply voltage should not be more than 10% higher or lower than the rated working voltage.

5.6 The air compressor should be protected from water exposure and not placed in damp, cold environments to prevent malfunction.

5.7 During operation, avoid touching high-temperature components, such as the cylinder head, exhaust pipes, and check valves, to prevent burns.

5.8 When the power is  $\leq 750W$ , the cross-sectional area of the power cable should be no less than  $1\text{mm}^2$ . When the power is  $>750W$ , the cross-sectional area should be no less than  $2\text{mm}^2$ , and the cable should not be excessively long.

## 10.6. Maintenance

Before performing any maintenance, ensure that the power is disconnected and the air pressure is fully discharged to avoid danger.

6.1 Keep the machine clean and perform regular cleaning and maintenance.

6.2 Drain the water from the air tank at least once a week. The air tank pressure should be below 0.1MPa when draining.

6.3 Regularly check the safety valve for responsiveness. The valve should be able to easily release air, and pressing the valve stem should cause it to return immediately.

6.4 After every 500 hours of use, remove and clean or replace the air filter element, and clean the air valve. After 5000 hours of use, replace the piston seals.

6.5 The air tank should undergo a pressure test every two years, and the inner and outer surfaces should be inspected annually. If there is serious rust, damage, or the pressure test fails, the air tank should be scrapped.

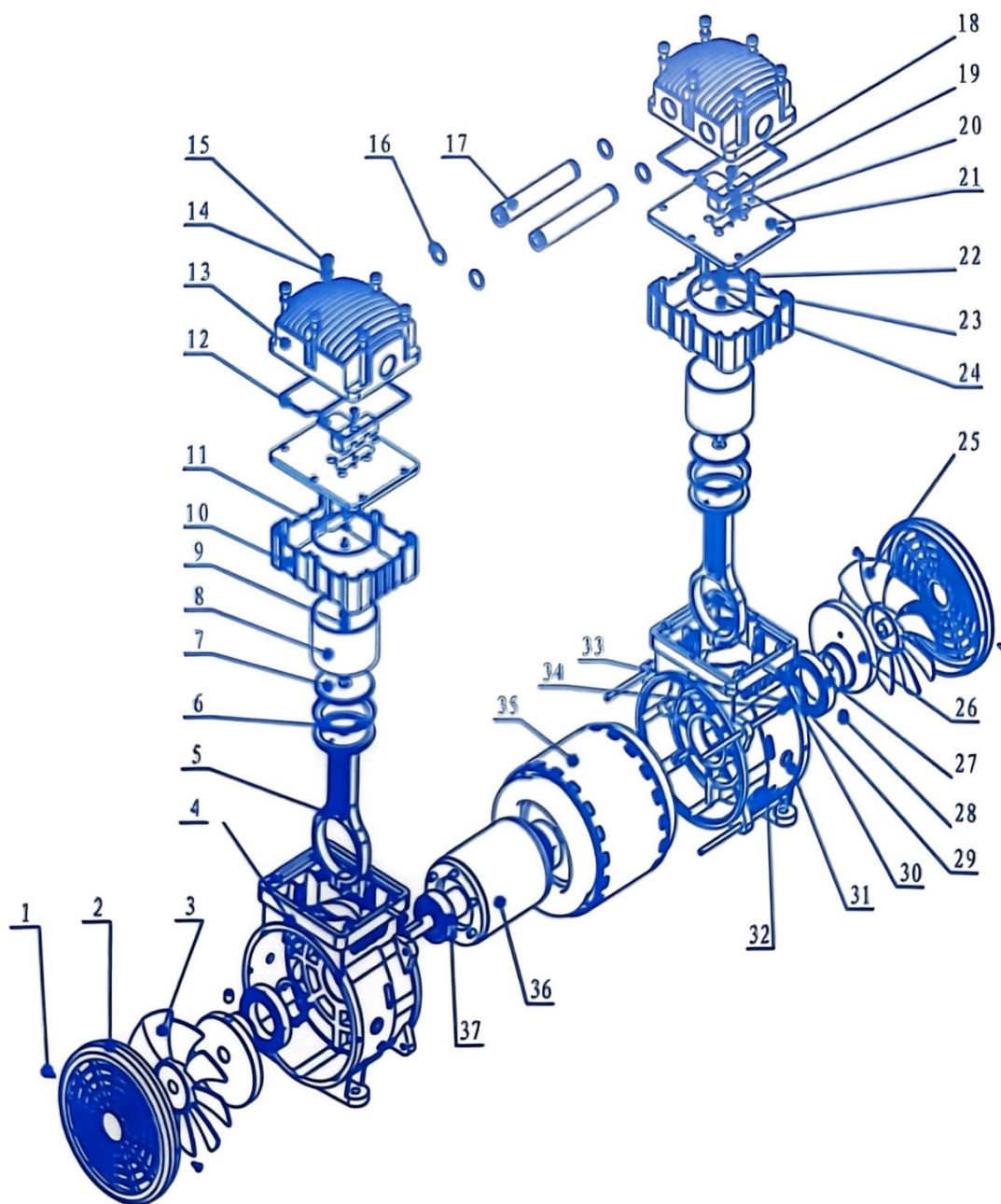
## 7. Troubleshooting

**Warning:** Before any maintenance or repair work, the power supply must be cut off, and the air pressure in the air tank must be completely released, otherwise, it may lead to potential danger!

Fault Phenomenon	Possible Cause	Solution
Motor does not rotate and there is no sound	<ol style="list-style-type: none"> <li>1 No power supply</li> <li>2 The pressure switch is disconnected</li> <li>3 Fuse blown</li> <li>4 Overload protector in protection state</li> <li>5 Pressure switch damaged</li> <li>6 Motor stator winding burned out</li> </ol>	<ol style="list-style-type: none"> <li>1 Check the plug and switch</li> <li>2 Reset the switch and check the cause</li> <li>3 Replace the fuse</li> <li>4 Wait for the motor to cool down and it will restart</li> <li>5 Contact a reliable service center</li> <li>6 Replace the stator</li> </ol>
The motor has a current sound but cannot operate or runs very slowly	<ol style="list-style-type: none"> <li>1 Voltage too low</li> <li>2 Motor coil short-circuited or open circuit</li> <li>3 One-way valve or pressure switch damaged</li> </ol>	<ol style="list-style-type: none"> <li>1 Check the voltage, ensure it is no less than 10% of the rated voltage</li> <li>2 Contact a reliable service center</li> </ol>
The overload protector repeatedly cuts off the power supply	<ol style="list-style-type: none"> <li>1 Voltage too low</li> <li>2 Poor ventilation, high temperature</li> </ol>	<ol style="list-style-type: none"> <li>1 Check the voltage, ensure it is no less than 10% of the rated voltage</li> <li>2 Place the air compressor in a well-ventilated area</li> </ol>
The air compressor's pressure drops when turned off	<ol style="list-style-type: none"> <li>1 Loose air connections, leakage</li> <li>2 Drain valve open</li> <li>3 One-way valve leaking</li> </ol>	<ol style="list-style-type: none"> <li>1 Check and eliminate</li> <li>2 Tighten the drain valve</li> <li>3 Remove, clean, and reassemble; replace if necessary</li> </ol>

Fault Phenomenon	Possible Cause	Solution
The discharged gas contains a large amount of moisture	<ol style="list-style-type: none"> <li>1 There is a large amount of water in the air tank</li> <li>2 The temperature is too high</li> </ol>	<ol style="list-style-type: none"> <li>1 Drain the water from the air tank</li> <li>2 Move the air compressor to a cooler location, or use an oil-water separator</li> </ol>
The air compressor runs continuously	<ol style="list-style-type: none"> <li>1 Pressure switch damaged</li> <li>2 Leakage</li> </ol>	<ol style="list-style-type: none"> <li>1 Replace the pressure switch</li> <li>2 Check and eliminate</li> </ol>
The air compressor vibrates	<ol style="list-style-type: none"> <li>1 Loose fasteners</li> <li>2 Support foot pads damaged or missing</li> </ol>	<ol style="list-style-type: none"> <li>1 Check and eliminate</li> <li>2 Replace the foot pads</li> </ol>
The pressure cannot rise or does not reach the specified pressure	<ol style="list-style-type: none"> <li>1 Drain valve open</li> <li>2 Air filter clogged</li> <li>3 Leakage</li> <li>4 Valve plate malfunctioning or obstructed, or leaking</li> <li>5 Piston ring excessively worn</li> </ol>	<ol style="list-style-type: none"> <li>1 Tighten the drain valve</li> <li>2 Clean or replace the filter element</li> <li>3 Check and eliminate leaks</li> <li>4 Clean or replace the valve plate</li> <li>5 Replace with new parts</li> </ol>

### 10.8 Main Unit Disassembly Diagram and Part Names

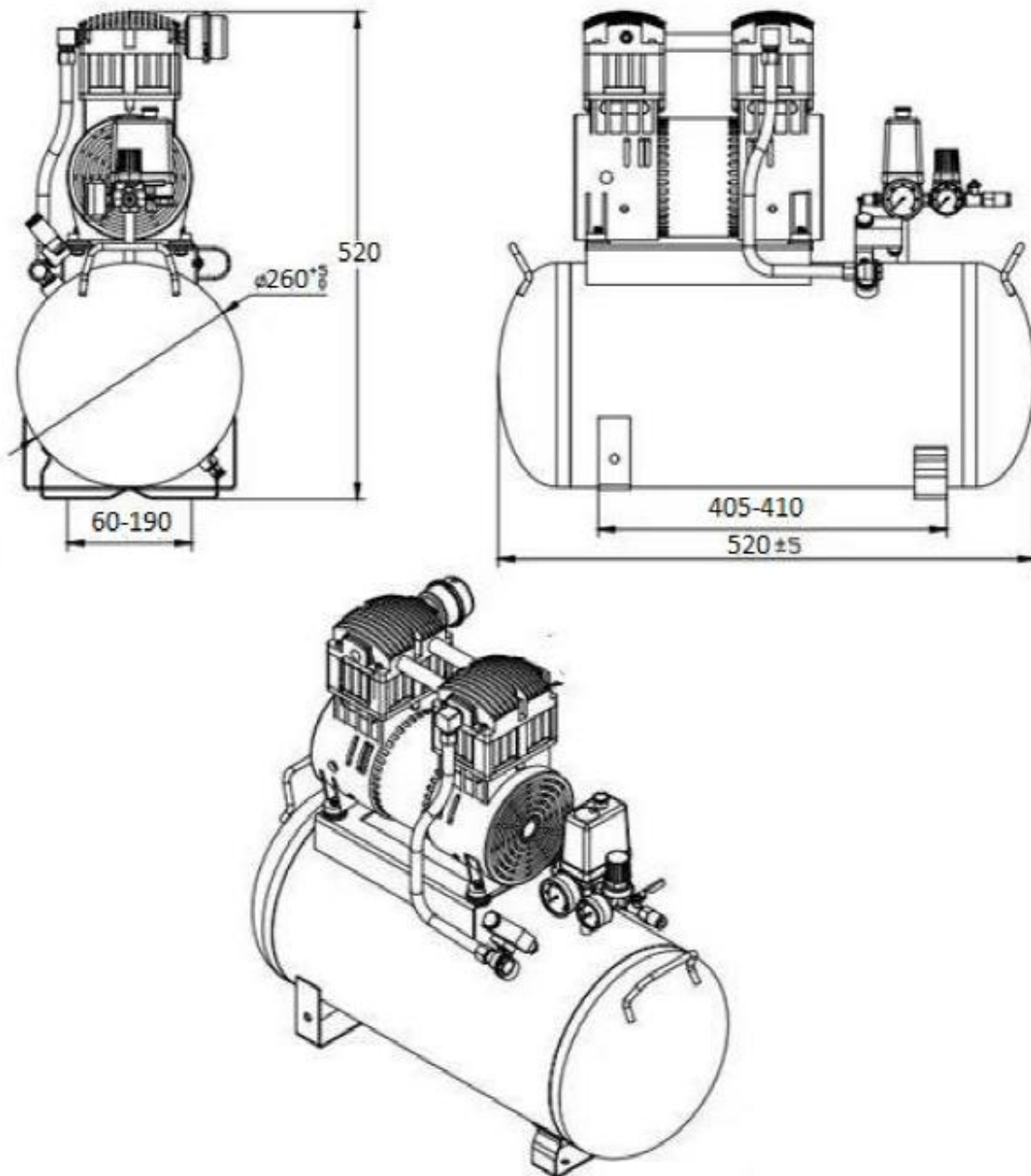


Serial No.	Name	Quantity	Material	Serial No.	Name	Quantity	Material
1	Self-tapping screw	4	ST2.9*8	20	Exhaust valve plate	2	Quenched and tempered steel strip
2	Fan cover	2	Reinforced Nylon 1010	21	Valve plate	2	Die-cast aluminum alloy YL102
3	Left fan	1	Reinforced Nylon 1010	22	Intake valve plate	2	Quenched and tempered steel strip

Serial No.	Name	Quantity	Material	Serial No.	Name	Quantity	Material
4	Left casing	1	Die-cast aluminum alloy YL104	23	Metal gasket	2	Aluminum and aluminum alloy extrusion rod LY 12
5	Connecting rod	2	Die-cast aluminum alloy YL104	24	Cross-recessed pan head screw	2	1Cr13Ni9
6	Piston cup	2	Polyphenylene sulfide (PPS) filled with PTFE	25	Right fan	1	Reinforced Nylon 1010
7	Pressure plate	2	Die-cast aluminum alloy YL102	26	Crank	2	Gray cast iron HT20-40
8	Cylinder 6 A02T4	2	Thin-walled aluminum and aluminum alloy tube	27	Bearing 6908-2Z	2	
9	Cross-recessed countersunk screw	2	Cold-die forging rock-like steel	28	Hexagon socket flat-end screw	4	
10	Adjustment bracket	2	Die-cast aluminum alloy YL104	29	Elastic retaining ring for shaft	2	
11	Cylinder sealing ring	2	Silicone rubber	30	Hexagon socket cylindrical head screw	2	
12	Cylinder head sealing ring	2	Silicone rubber	31	Right casing	1	Die-cast aluminum alloy YL104
13	Cylinder head	2	Die-cast aluminum alloy YL102	32	Lead protection ring	1	
14	Light-duty spring washer	12		33	Lead protection ring	4	Carbon structural steel for cold die forging
15	Hexagon socket cylindrical head screw	12		34	Lead protection ring	4	
16	Connection pipe sealing ring	4	Silicone rubber	35	Stator	1	

## 11. AIR COMPRESSOR INSTRUCTION(For 220V)

### 11.1.Product Structure Diagram



## 11.2 Product Technical Standards

### 1. Compliance Standards:

Compressor Performance Testing Standard  
Operation Vibration Testing Standard  
Operation Noise Testing Standard

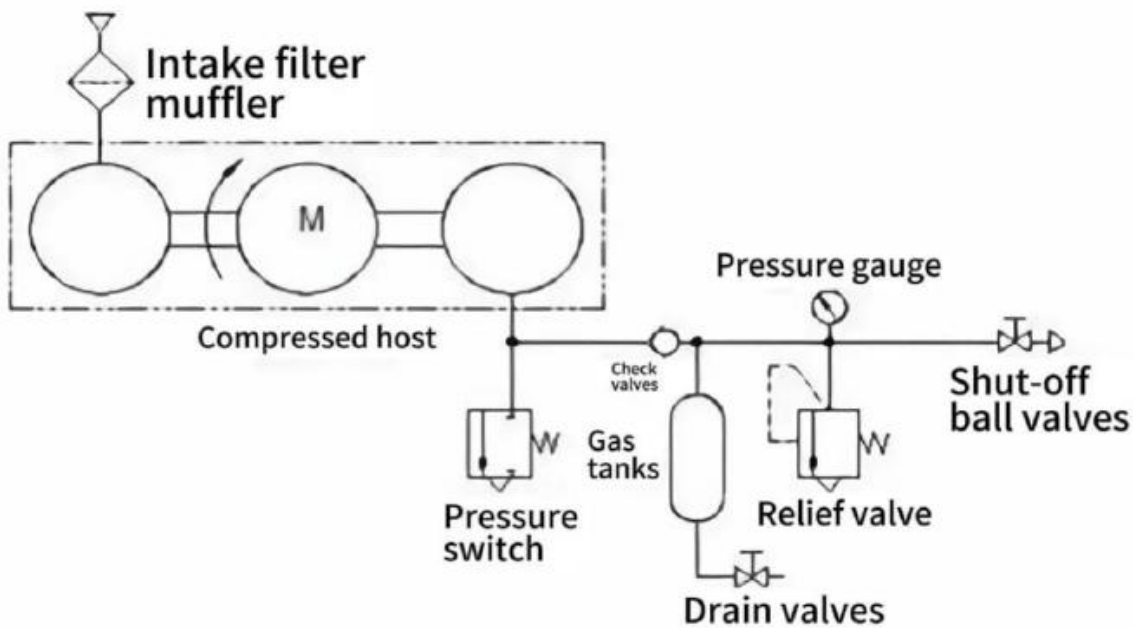
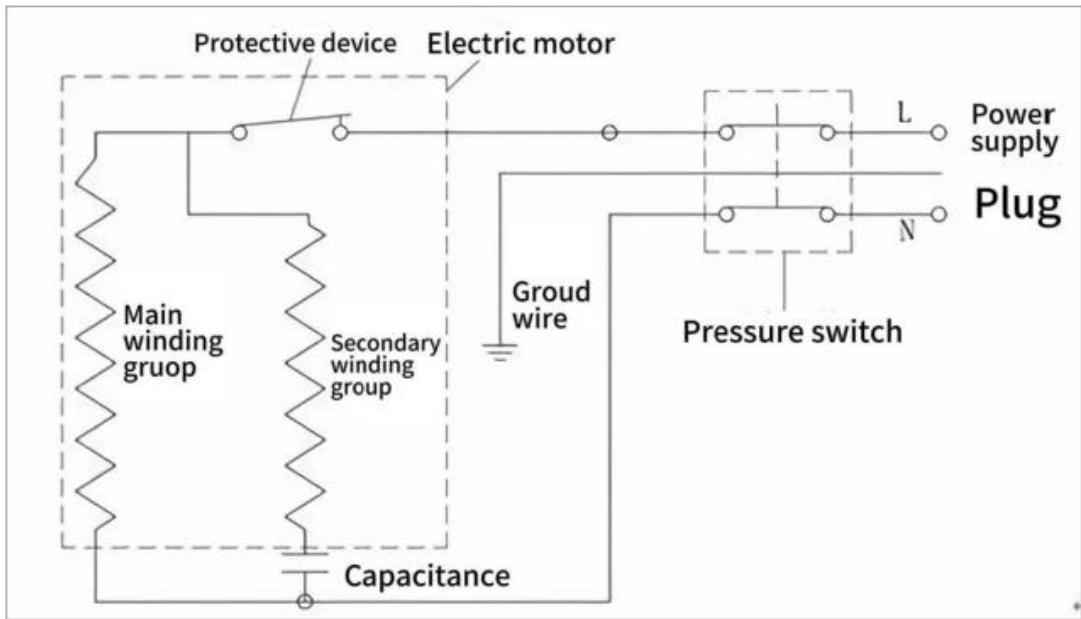
### 2. Equipment Operating Environment:

Altitude:  $\leq$  +1000M  
Humidity: 90% (+25° C)  
Temperature: -20° C to 45° C

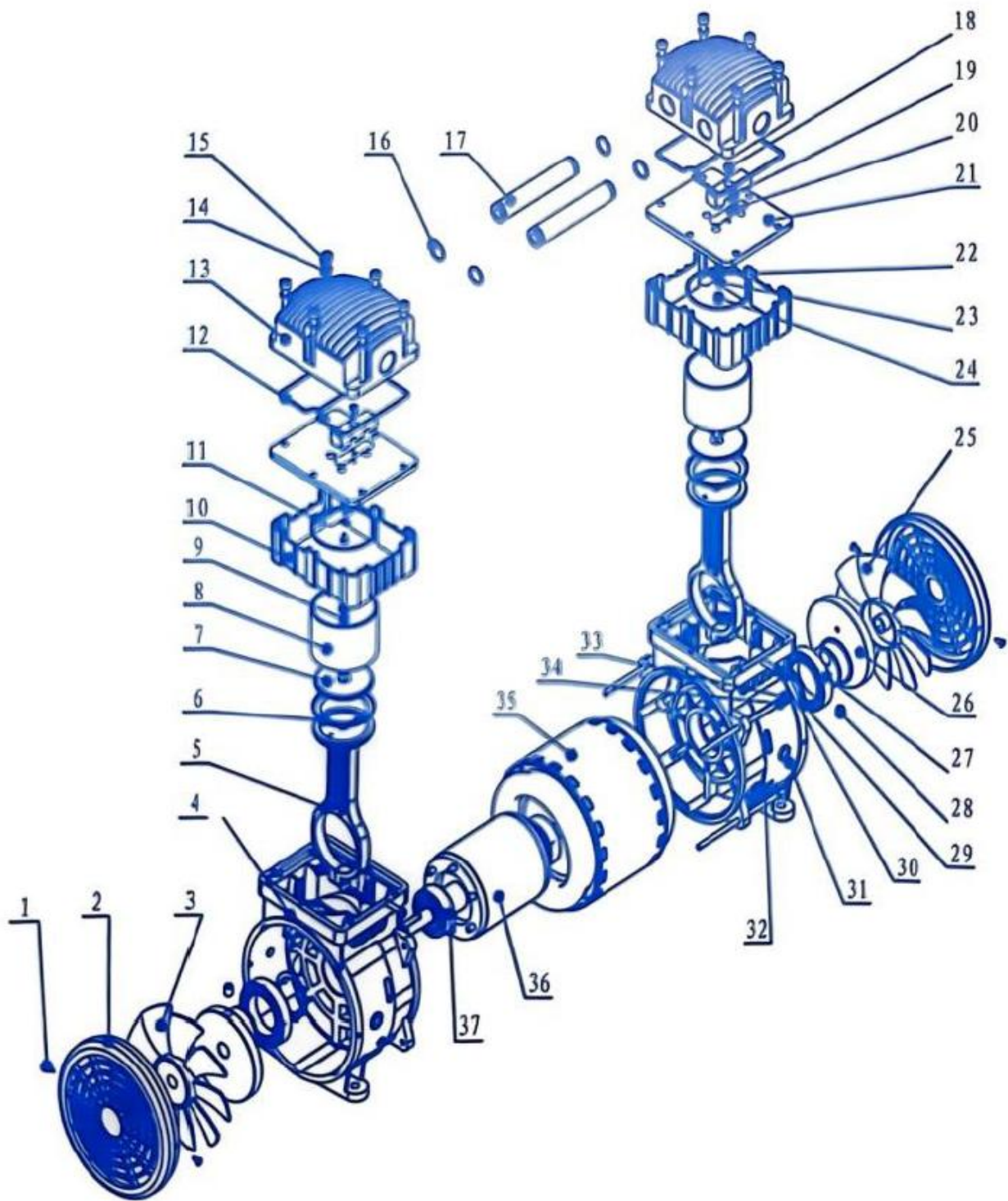
### 3. Main Technical Parameters:

Type: Piston Type  
Compressed Medium: Air  
Inlet Pressure: Atmospheric Pressure  
Cooling Method: Air Cooling  
Rated Air Delivery: 120L/min  
Rated Discharge Pressure: 0.8MPa  
Rated Power: 600W  
Power Supply/Frequency: 220V/50Hz  
Motor Speed: 1480r/min  
Motor Temperature Protector Disconnecting Temperature: 135° C 3.11 Noise:  $\leq$  80dB(A)  
Startup Mode: Direct Start  
Air Delivery Control: Air delivery can be manually adjusted within the 100%-0% range  
Air Tank Capacity: 30L  
Motor Insulation Grade: B  
Safety Valve Opening Pressure: 0.88MPa

### 11.3. Wiring Diagram



### 11.4 Main Unit Disassembly Diagram and Part Names



Monster Kart(Blue) Manual

Serial No.	Name	Quantity	Material	Serial No.	Name	Quantity	Material
1	Self-tapping screw	4	ST2.9*8	20	Exhaust valve plate	2	Quenched and tempered steel strip
2	Fan cover	2	Reinforced Nylon 1010	21	Valve plate	2	Die-cast aluminum alloy YL102
3	Left fan	1	Reinforced Nylon 1010	22	Intake valve plate	2	Quenched and tempered steel strip
4	Left casing	1	Die-cast aluminum alloy YL104	23	Metal gasket	2	Aluminum and aluminum alloy extrusion rod LY12
5	Connecting rod	2	Die-cast aluminum alloy YL104	24	Cross-recessed pan head screw	2	1Cr13Ni9
6	Piston cup	2	Polyphenylene sulfide (PPS) filled with PTFE	25	Right fan	1	Reinforced Nylon 1010
7	Pressure plate	2	Die-cast aluminum alloy YL102	26	Crank	2	Gray cast iron HT20-40
8	Cylinder 6A02T4	2	Thin-walled aluminum and aluminum alloy tube	27	Bearing 6908-2Z	2	
9	Cross-recessed countersunk screw	2	Cold-die forging rock-like steel	28	Hexagon socket flat-end screw	4	
10	Adjustment bracket	2	Die-cast aluminum alloy YL104	29	Elastic retaining ring for shaft	2	
11	Cylinder sealing ring	2	Silicone rubber	30	Hexagon socket cylindrical head screw	2	
12	Cylinder head sealing ring	2	Silicone rubber	31	Right casing	1	Die-cast aluminum alloy YL104
13	Cylinder head	2	Die-cast aluminum alloy YL102	32	Lead protection ring	1	
14	Light-duty spring washer	12		33	Lead protection ring	4	Carbon structural steel for cold die forging
15	Hexagon socket cylindrical head screw	12		34	Lead protection ring	4	
16	Connection pipe sealing ring	4	Silicone rubber	35	Stator	1	
17	Connection pipe	2	Aluminum and aluminum alloy extrusion rod LY12	36	Rotor	1	
18	Cross-recessed pan head screw	2	1Cr13Ni9	37	Bearing 6204-2	2	
19	Limit block	2	Die-cast aluminum alloy YL102				

## 11.5. Installation and Usage Guidelines

Ensure correct wiring connections.

Avoid prolonged overload, low-speed operation, or stalling of the motor to prevent excessive temperature rise or damage.

Do not disassemble the pre-assembled gearbox reducer carelessly to avoid dust ingress or improper gear engagement, which could cause noise.

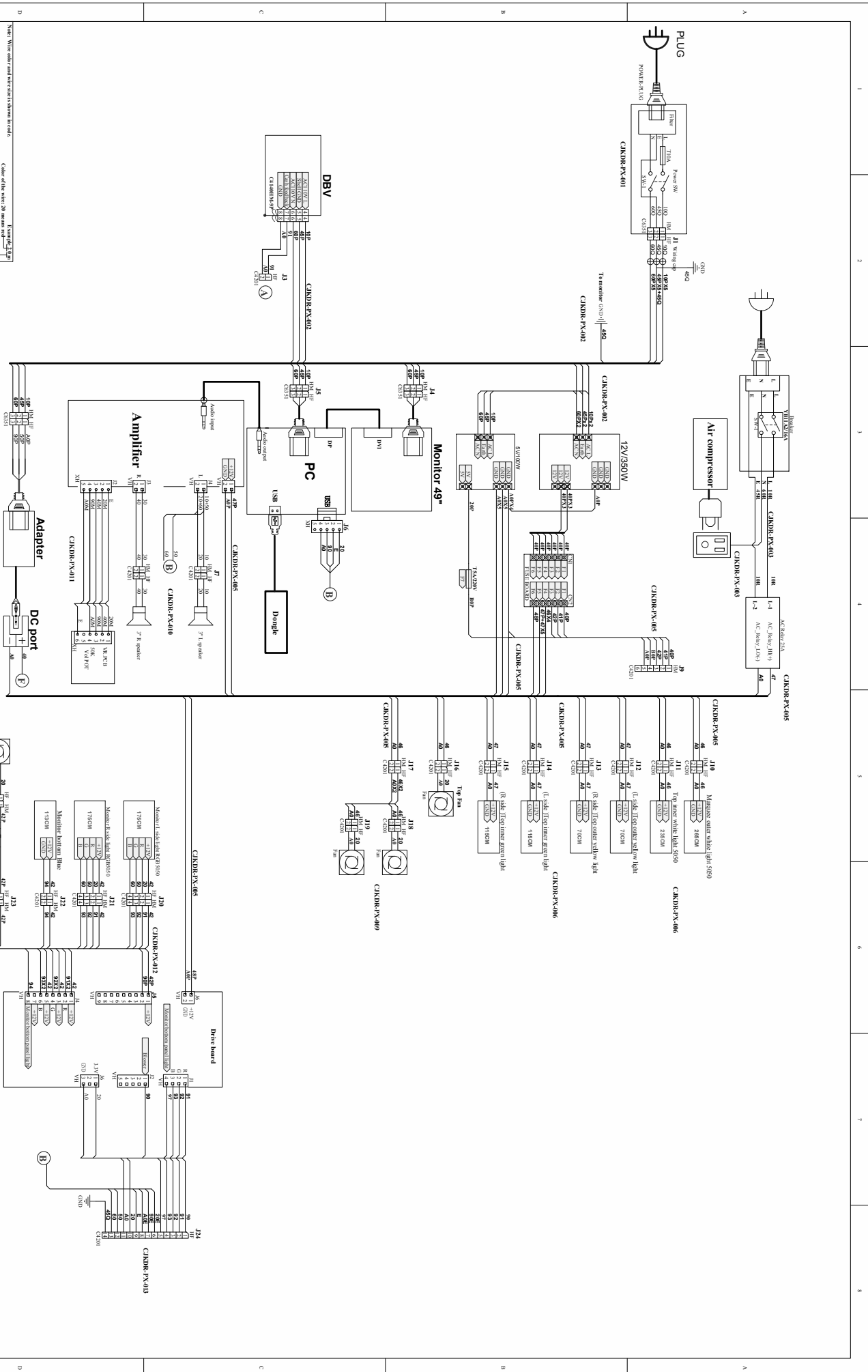
Motor installation and maintenance should be performed by qualified professionals with relevant electrical technology credentials.

When connecting the motor and gearbox shaft to the load, avoid using excessive force or impact to prevent internal deformation or misalignment, which could lead to severe noise or seizing.

Prevent collisions, drops, or impacts during transportation.

## 11.6. Warranty Requirements

The product should operate normally for up to one year from the date of purchase, provided it is used and stored according to the maintenance and usage instructions. If the product experiences damage or fails to function properly within this period due to manufacturing defects, the company will repair or replace the defective product free of charge.



Notes: Wire color and size are in accordance with:

Color of the wire: 22 gauge wire - Example: 2.0mm

1	White	21	AVERTILH (RED)
2	Blue	22	AVERTILH (RED)
3	Black	23	AVERTILH (RED)
4	Green	24	AVERTILH (RED)
5	Yellow	25	AVERTILH (RED)
6	Orange	26	AVERTILH (RED)
7	Red	27	AVERTILH (RED)
8	Brown	28	AVERTILH (RED)
9	Pink	29	AVERTILH (RED)
10	Grey	30	AVERTILH (RED)
11	Light Blue	31	AVERTILH (RED)
12	Light Green	32	AVERTILH (RED)
13	Light Yellow	33	AVERTILH (RED)
14	Light Orange	34	AVERTILH (RED)
15	Light Red	35	AVERTILH (RED)
16	Light Brown	36	AVERTILH (RED)
17	Light Grey	37	AVERTILH (RED)
18	Light Blue	38	AVERTILH (RED)
19	Light Green	39	AVERTILH (RED)
20	Light Yellow	40	AVERTILH (RED)
21	Light Orange	41	AVERTILH (RED)
22	Light Red	42	AVERTILH (RED)
23	Light Brown	43	AVERTILH (RED)
24	Light Grey	44	AVERTILH (RED)
25	Light Blue	45	AVERTILH (RED)
26	Light Green	46	AVERTILH (RED)
27	Light Yellow	47	AVERTILH (RED)
28	Light Orange	48	AVERTILH (RED)
29	Light Red	49	AVERTILH (RED)
30	Light Brown	50	AVERTILH (RED)
31	Light Grey	51	AVERTILH (RED)
32	Light Blue	52	AVERTILH (RED)
33	Light Green	53	AVERTILH (RED)
34	Light Yellow	54	AVERTILH (RED)
35	Light Orange	55	AVERTILH (RED)
36	Light Red	56	AVERTILH (RED)
37	Light Brown	57	AVERTILH (RED)
38	Light Grey	58	AVERTILH (RED)
39	Light Blue	59	AVERTILH (RED)
40	Light Green	60	AVERTILH (RED)
41	Light Yellow	61	AVERTILH (RED)
42	Light Orange	62	AVERTILH (RED)
43	Light Red	63	AVERTILH (RED)
44	Light Brown	64	AVERTILH (RED)
45	Light Grey	65	AVERTILH (RED)
46	Light Blue	66	AVERTILH (RED)
47	Light Green	67	AVERTILH (RED)
48	Light Yellow	68	AVERTILH (RED)
49	Light Orange	69	AVERTILH (RED)
50	Light Red	70	AVERTILH (RED)
51	Light Brown	71	AVERTILH (RED)
52	Light Grey	72	AVERTILH (RED)
53	Light Blue	73	AVERTILH (RED)
54	Light Green	74	AVERTILH (RED)
55	Light Yellow	75	AVERTILH (RED)
56	Light Orange	76	AVERTILH (RED)
57	Light Red	77	AVERTILH (RED)
58	Light Brown	78	AVERTILH (RED)
59	Light Grey	79	AVERTILH (RED)
60	Light Blue	80	AVERTILH (RED)
61	Light Green	81	AVERTILH (RED)
62	Light Yellow	82	AVERTILH (RED)
63	Light Orange	83	AVERTILH (RED)
64	Light Red	84	AVERTILH (RED)
65	Light Brown	85	AVERTILH (RED)
66	Light Grey	86	AVERTILH (RED)
67	Light Blue	87	AVERTILH (RED)
68	Light Green	88	AVERTILH (RED)
69	Light Yellow	89	AVERTILH (RED)
70	Light Orange	90	AVERTILH (RED)
71	Light Red	91	AVERTILH (RED)
72	Light Brown	92	AVERTILH (RED)
73	Light Grey	93	AVERTILH (RED)
74	Light Blue	94	AVERTILH (RED)
75	Light Green	95	AVERTILH (RED)
76	Light Yellow	96	AVERTILH (RED)
77	Light Orange	97	AVERTILH (RED)
78	Light Red	98	AVERTILH (RED)
79	Light Brown	99	AVERTILH (RED)
80	Light Grey	100	AVERTILH (RED)

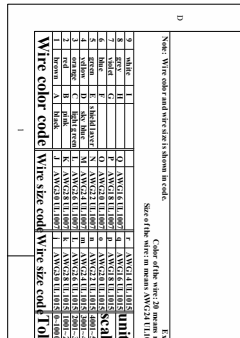
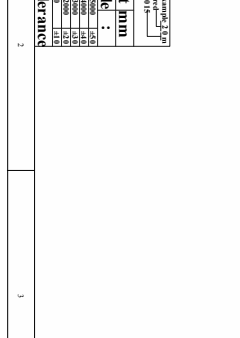
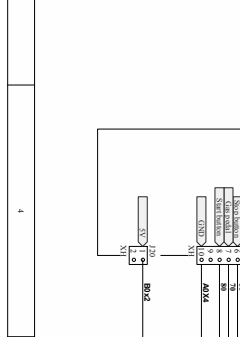
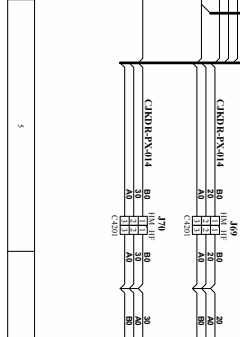
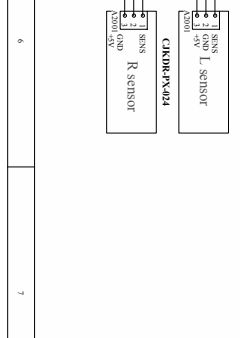
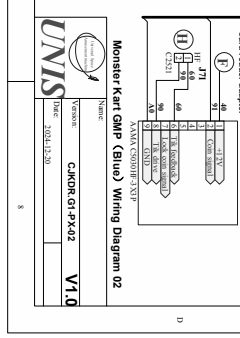
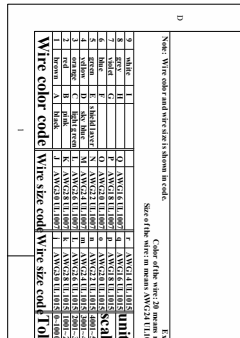
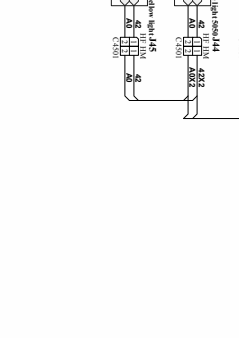
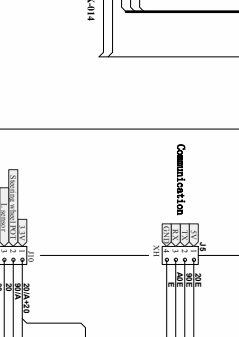
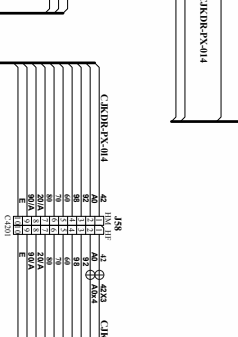
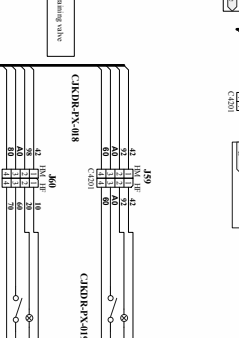
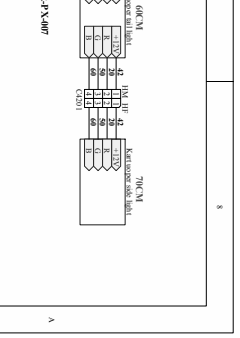
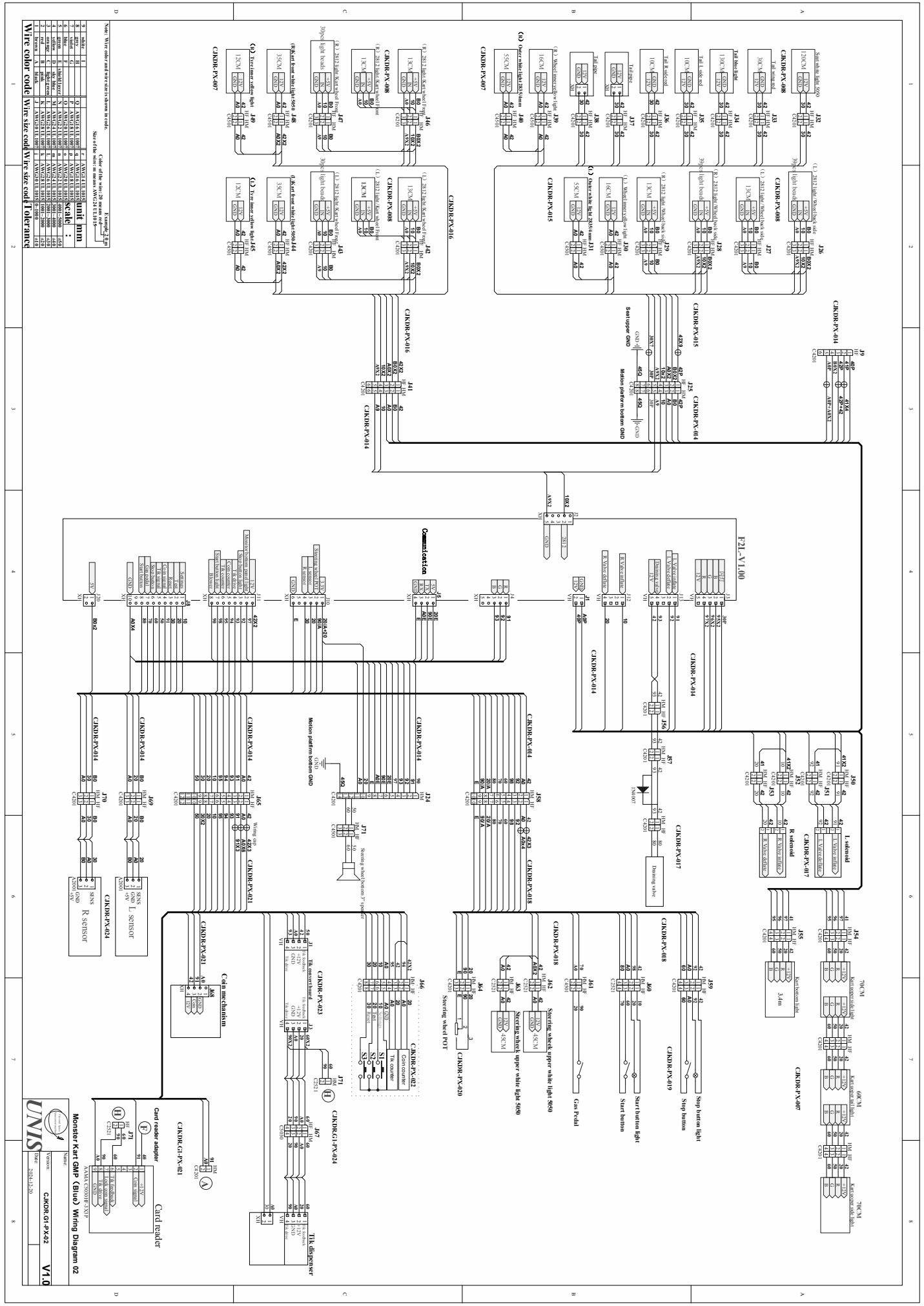
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UNIS

Monster Kart GMP (Blue) Wiring Diagram 01

Version: CANDR-G1-PX-01 V1.0

Date: 2024.12.20



UNIS

Monitor Kart GMP (Buid) Wiring Diagram 02

Version: CANOR-G1-PX-02 V1.0

Date: 2024.12.20

Author: ANAVY (GOMPT)@UNIS

Card reader adapter

Card reader

Card reader

Card reader

Card reader

1

2

3

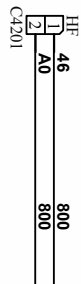
4

A

B

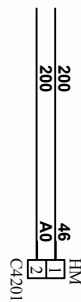
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D



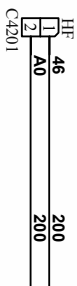
Twin marquee 5050 light

1.1m



Twin marquee 5050 light

1.6m



# 2P Marquee

## Monster Kart(2P marquee) Wiring Diagram

Name:

A4 CJKDR-G1-PX-025

2024-12-20

D

C

B

A

1

2

3

4