

# ALPHA OPS VR STRIKE

## ALPHA OPS VR STRIKE User Manual



### **WARNING**

- For safety reasons, please read the manual first before plugging in machine.
- Please keep this manual properly for convenient reference as needed.

# About This Manual

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Thank you for purchasing this product.

The manual describes how to install, set up, use and maintain the product. The main purpose of the manual is to instruct how to operate the product correctly and safely. Please follow all the safety and warning instructions in the manual to avoid personal injury and product damage.

This product may only be maintained by a technician. A technician mainly refers to a person who has obtained a certificate of senior middle school related to mechanical engineering, electrical engineering or at a level equal to that of technical senior middle school graduates, and is engaged routinely in the maintenance, management, repair of amusement machine.

When transferring the ownership of this product, be sure to provide this manual with the machine.

For further information about the game and repair (including consumables), please contact our company.

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# BEFORE USING THE PRODUCT, BE SURE TO READ THE FOLLOWING:



## TO MAINTAIN SAFETY:

To ensure the safe operation of this product, be sure to read the following before usage: The following instructions are intended for the users, operators and the personnel in charge of the operation of the product. After carefully reading and sufficiently understanding the warning displays and cautions, handle the product appropriately. Be sure to keep this manual close to the product or in a convenient place for future reference.

Herein, explanations which require special attention are enclosed with dual lines. Depending on the potentially hazardous degrees, the terms of "DANGER", "WARNING", "CAUTION", etc. are used. Be sure to understand the contents of the displays before reading the text.

 <b>DANGER</b>	Indicates that mishandling the product by disregarding this pictograph will cause severe injury or death
 <b>WARNING</b>	Indicates that mishandling the product by disregarding this warning will cause a potentially hazardous situation which can result in death or serious injury
 <b>CAUTION</b>	Indicates that mishandling the product by disregarding this caution will cause a slight hazardous situation which can result in personal injury and/or material damage

## For the safe usage of the product, the following pictographs are used:

	Indicates "HANDLE WITH CARE". In order to protect the human body and equipment, this display is attached to places where the instruction manual should be referred to
	Indicates a "protective earth terminal." Before operating the equipment, be sure to connect it to the ground (this step may be omitted for products in which a power cable with earth is used)

- **PERFORM WORK IN ACCORDANCE WITH THE INSTRUCTIONS HEREIN STATED**  
Instructions for work are explained by paying attention to the aspect of accident prevention. Failing to perform work as per the instructions can cause accidents. In the case where only those who have technical expertise should perform the work to avoid hazardous situation, the instructions herein state that the site maintenance personnel should perform such work
- **BE SURE TO TURN OFF THE POWER BEFORE WORKING ON THE MACHINE**  
To prevent an electric shock, be sure to turn off the power and unplug the power cable before carrying out any work that requires direct contact with the interior of the product. If the work is to be performed in the power-on status, the instruction manual herein always states to that effect
- **BE SURE TO GROUND THE EARTH TERMINAL (THIS IS NOT REQUIRED IN THE CASE WHERE A POWER CABLE WITH EARTH IS USED)**  
This product is equipped with the earth terminal. When installing the product, connect the earth terminal to the "accurately grounded indoor earth terminal" by using an earth wire. Unless the product is grounded appropriately, the user can be subject to an electric shock. After performing repair, etc. for the control equipment, ensure that the earth wire is firmly connected to the control equipment
- **ENSURE THAT THE POWER SUPPLY USED IS EQUIPPED WITH AN EARTH LEAKAGE BREAKER**  
Using a power supply which is not equipped with the earth leakage breaker can cause a fire when earth leakage occurs
- **BE SURE TO USE FUSES WHICH MEET THE SPECIFIED RATING (ONLY FOR THE MACHINES WHICH USE FUSES)**  
Using fuses exceeding the specified rating can cause a fire and an electric shock

- **SPECIFICATION CHANGES (REMOVAL OF EQUIPMENT, CONVERSIONS AND ADDITIONS) NOT DESIGNATED BY SEGA ARE NOT ALLOWED**

The parts of the product include warning labels for safety, covers for personal protection, etc. It is very hazardous to operate the product by removing parts and/or modifying the circuits. Should doors, lids and protective parts be damaged or lost, refrain from operating the product, and contact where the product was purchased from or the office herein stated.

SEGA shall not be held responsible for any accidents or compensation for damage to a third party resulting from the specifications not designated by SEGA

- **ENSURE THAT THE PRODUCT MEETS THE REQUIREMENTS OF APPROPRIATE ELECTRICAL SPECIFICATIONS**

Before installing the product, check for electrical specifications. SEGA products have a nameplate on which the electrical specifications are described. Ensure that the product is compatible with the power supply voltage and frequency requirements of the location. Using any electrical specifications different from the designated specifications can cause a fire and an electric shock

- **INSTALL AND OPERATE THE PRODUCT IN PLACES WHERE APPROPRIATE LIGHTING IS AVAILABLE, ALLOWING WARNING LABELS TO BE CLEARLY READ**

To ensure safety for the customers, labels and printed instructions describing potentially hazardous situations are applied to places where accidents can be caused. Ensure that where the product is operated has sufficient lighting allowing the warnings to be read. If any label is peeled off, apply it again immediately. Please place an order with where the product was purchased from or the office herein stated

- **WHEN HANDLING THE MONITOR, BE VERY CAREFUL (APPLIES ONLY TO PRODUCTS WITH MONITORS)**

Some of the monitor parts are subject to high tension voltage. Even after turning off the power, some portions are still subject to high tension voltage. Monitor repair and replacement should be performed only by those technical personnel who have knowledge of electricity and technical expertise

- **BE SURE TO ADJUST THE MONITOR PROPERLY (APPLIES ONLY TO PRODUCTS WITH MONITORS)**

Do not operate the product leaving on-screen flickering or blurring as it is. Using the product with the monitor not properly adjusted may cause dizziness or a headache to an operator, a player, or customer

- **WHEN TRANSPORTING OR RESELLING THIS PRODUCT, BE SURE TO ATTACH THIS MANUAL TO THE PRODUCT**

\* *In the case where commercially available monitors and printers are used in this product, only the contents relating to this product are explained herein. Some commercially available equipment has functions and reactions not stated in this manual. Read this manual together with the specific instruction manual of such equipment*

\* *Descriptions herein contained may be subject to improvement changes without notice*

\* *The contents described herein are fully prepared with due care. However, should any question arise or errors be found, please contact SEGA*

## **INSPECTIONS IMMEDIATELY AFTER TRANSPORTING THE PRODUCT TO THE LOCATION**

Normally, at the time of shipment, SEGA products are in a state allowing for usage immediately after transporting to the location. Nevertheless, an irregular situation may occur during transportation. Before turning on the power, check the following points to ensure that the product has been transported in a satisfactory status:

- Are there any dented portions or defects (cuts, etc.) on the external surfaces of the cabinet?
- Are casters and/or adjusters damaged?
- Do the power supply voltage and frequency requirements meet with those of the location?
- Are all wiring connectors correctly and securely connected? Unless connected in the correct way, connector connections can not be made accurately. Do not insert connectors forcibly.
- Do power cables have cuts and/or dents?
- Are all accessories available?
- Can all doors and lids be opened with the accessory keys? Can doors and lids be firmly closed?

# INTRODUCTION

This manual is intended to provide detailed descriptions together with all necessary information covering the general operation of electronic assemblies, electromechanical, servicing control, spare parts, etc. for the product:  
"ALPHA OPS VR STRIKE "

This manual is intended for the owners, personnel managers in charge of operation of this product.  
Operate the product after carefully reading and sufficiently understanding the instructions.

In the unlikely event that the product does not function correctly, **DO NOT** allow anyone other than a technician to touch the internal system. Turn off the power to the machine, making sure to unplug the electrical cord from the outlet, and contact the office listed below or the point-of-purchase for this product.

Use of this product is unlikely to cause physical injuries or damage to property. However, points that require special attention are indicated by bold text, the words "STOP, IMPORTANT or CAUTION" and the symbols below.



Indicates important information that, if ignored, may result in the mishandling of the product and cause faulty operation or damage to the product.



Indicates a warning or caution that, if ignored, may result in the mishandling of the product and cause faulty operation or damage to the product.

# 1. Safety Precautions

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## 1.1 Warning Stickers

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In order to avoid injury to related people and damage to property, please observe the followings:

**PLEASE READ FIRST**

- The following marks can be used to indicate the magnitudes of risk and damage caused by ignorance or improper operation:



means “may result in serious injury or death”



means “may result in minor injury or property damage”

**Serious Injury:** refers to the situations in which hospital treatment or long-term treatment will be accepted because of losing sight, getting hurt, getting burnt, electric shock, fracture or intoxication.

**Minor Injury:** refers to the cases that there is no need to go to hospital or accept long-term treatment.

**Property Damage:** refers to the damage of house, facility, or hurt of livestock and pet

## 1.2 Placing Site

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### Warning

- Please make sure the place line has been grounded before product installation, setup, testing, operation or repair.
- This machine is designed for indoor use only. Never install the machine outdoors. Meanwhile, please avoid the following locations indoor :
  - Direct sunlight, water leakage, damp and high temperature places.
  - Near Flammable, volatile, or/and dangerous substance.
  - Slope, unstable places or locations subject to frequent vibration.
  - Near emergency exit, fire extinguisher or similar equipment.
- The rear part has the vent for heat emission from PC or screen. Don't place anything nearby to avoid game failure.
- Provide a space of minimum 30cm between the rear of the machine and the wall for good ventilation and heat emission.

## 1.3 Safety Precautions

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The owner shall pay attention to the followings when placing, checking and repairing machine to ensure player's security and avoid damage:



### Warning

- Please check the voltage is 110V or 220V before the machine connects to the power supply, or it may cause a fire or electric shock.
- Make sure to plug the game into 110V or 220V main outlet to avoid fire and electric shock.
- Make sure to turn off the power when performing maintenance and service to avoid electric shock or short circuit.
- Do not unplug or plug the plug instantly.
- Do not touch the power plug with a wet hand to avoid electric shock.
- Do not expose the power cord/grounding line on the passageway. Failure to do this will damage the power cord, causing electric shock or short circuit.
- Do not place anything near to the power cord to avoid fire.
- Do not pull the power cord when unplugging, please hold the plug to avoid power cord damage, causing fire or electric shock.
- In case of power cord damage, please contact the local distribution for replacement
- Only use fuse and spare parts specified by our company
- Connect the connector firmly and tighten the screws.
- Do not dismount, replace or convert the product without our permission in order to avoid damage and human injury due to improper operation.
- Check and maintain the machine regularly.
- Keep "WARNING stickers" clean and legible. Replace it immediately when the words are not legible or the dirt cannot be removed.
- Please contact our service center when performing any work that is not described in this manual, and follow the instruction provided.

## 1.4 Precautions during Play

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### Caution

- In order to avoid injury and accident during play, the following people shall not play the game :
  - People who are injured or less mobile.
  - Person with poor health condition, such as hypertension or heart disease.
  - Person wearing high-heeled or slippery shoes.
  - Person who's feet cannot touch the stepping base.
  - Pregnant woman, drunk people.
- When a player feels uncomfortable during play, remind the person to have a break, or stop playing.
- Make sure the player reads the Warning labels and other indications, and plays in accordance with the instructions to avoid accidents such as electric shock and short circuit.
- Bystander shall not operate any button when the player is playing the game to avoid unnecessary trouble.

## 1.5 Transporting and Moving

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### Caution

#### Transporting

- When transporting the machine with an elevator, be sure to employ “Lift Point” to prevent accident and damage to the machine.
- To prevent movement when transporting the machine on a vehicle, please fix the casters and fully retract the adjusters. Failure to do this may cause damage to the machine.
- When carrying the machine with a forklift, be sure to insert the fork to fork position and lift stably or it may cause accident and damage to the machine.
- The glass and LCD screen are fragile. Avoid violent vibration or shock when transporting.

#### Moving

- Before moving the machine, unplug the power plug to prevent accident. Do not damage the cord.
- Pay attention to the obstructions and uneven surface when moving the machine to prevent accident and damage to the machine.
- Fully retract all adjusters before moving to prevent accident and hazard.
- Make sure to use at least two persons to conduct the above work to avoid accident and injury.
- Pay attention to the moving direction, see fig.



## 1.6 Installing and Placing

Pay attention to the following when placing the machine.



### Caution

- Place the machine on the flat and slip resistant area.
- Use the adjusters to fix the machine (See Diagram A).
  1. Loosen the nuts for the adjusters (clockwise), tighten the bolts with a wrench (clockwise).
  2. Tighten the nut firmly (counter clockwise) and fix it well.

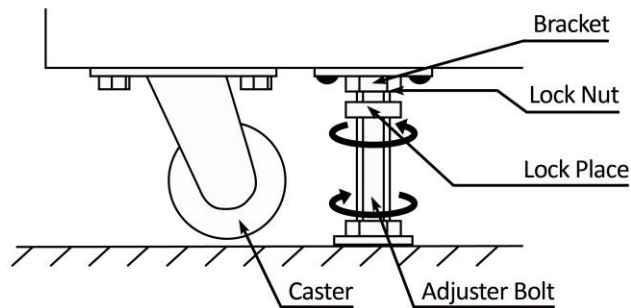


Diagram A

- Provide a space of minimum 30cm between the rear of the machine and the wall for good ventilation and heat emission (see Diagram B and C).

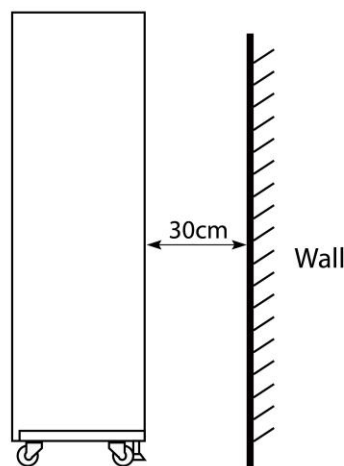


Diagram B

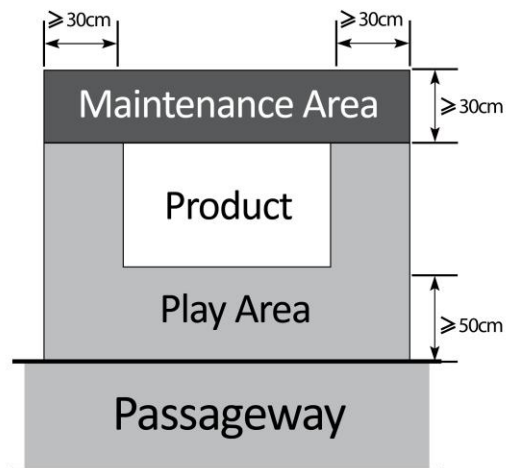


Diagram C

# 2. Product Description

## 2.1 Product Specification

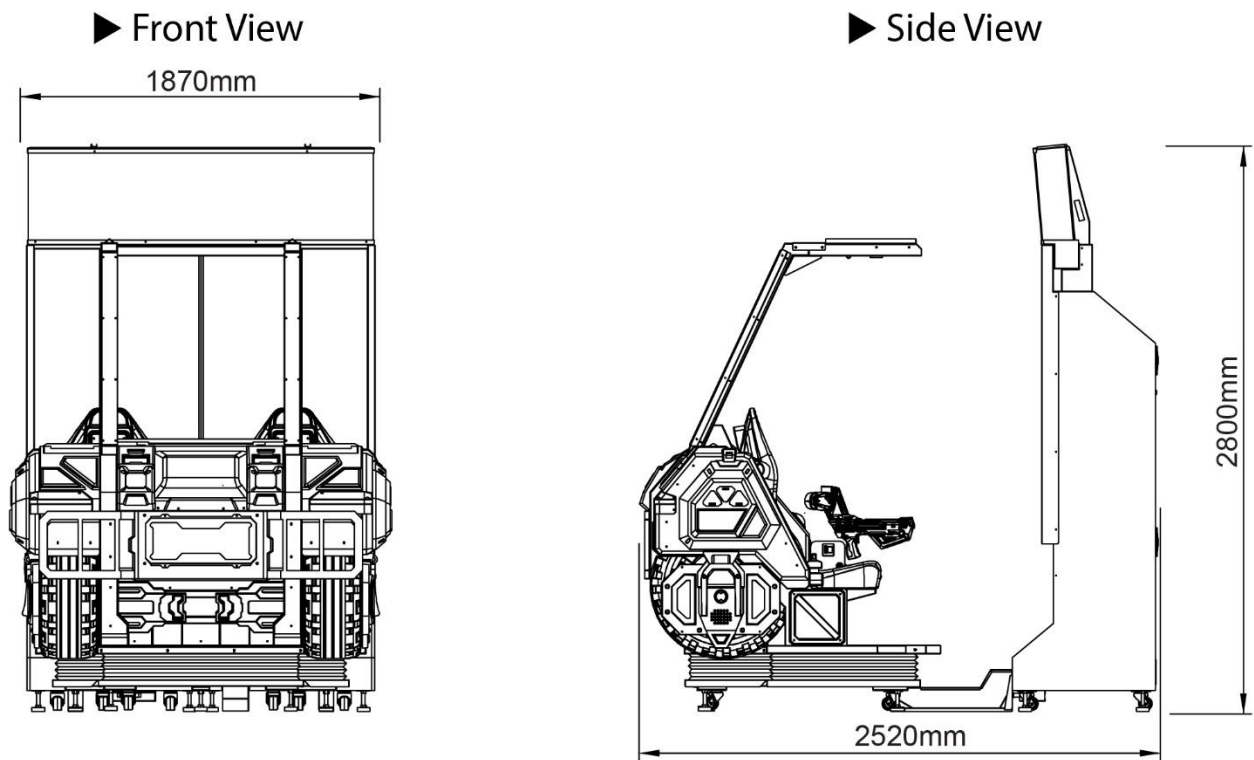
▪ Location	Indoor Only
▪ Dimension	1870(W) x 2520(D) x 2800(H)mm
▪ Rated Voltage, Frequency	AC220V 50Hz /60Hz
	AC120V 60Hz
▪ Power Consumption	Cabinet (Right): 1300W Cabinet (Left): 500W Compressor: 1700W
▪ Weight	899kg
▪ Temperature Range	5~40 °C

\*110V voltage can be set through the transformer and fuse. Please contact the distributor for details.

\*\* The compressor is fixed at either 110v or 220v depending on build

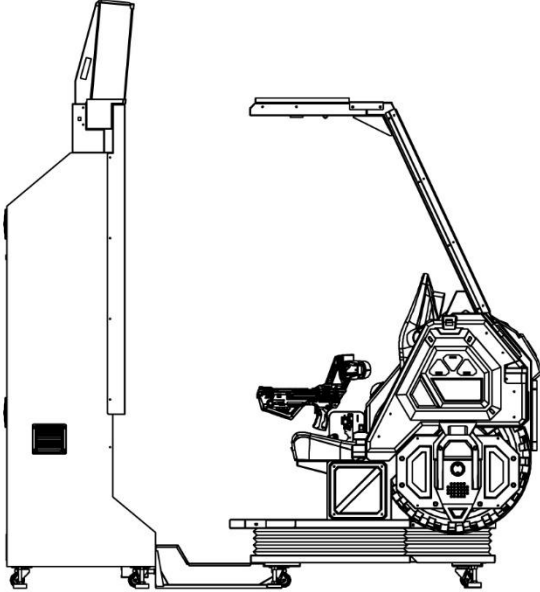
\*\* The power supplies do not change regardless of region as is handled by the transformer.

NOTE: The contents herein described are subject to change without notice.

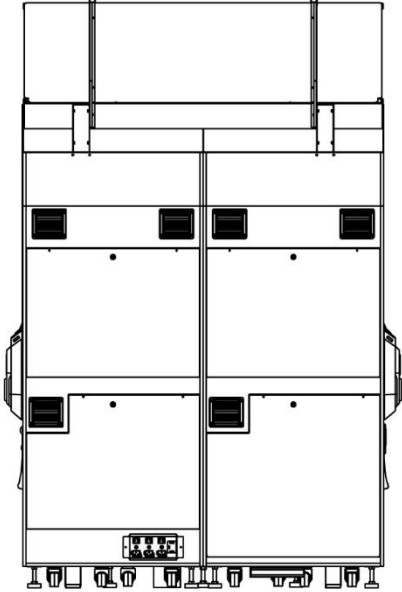


# 2.2 Cabinet Overview

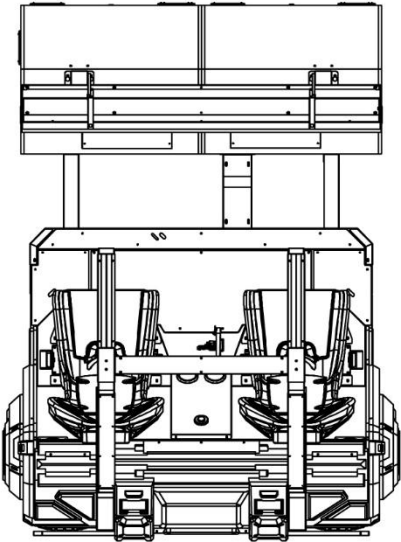
► Side View



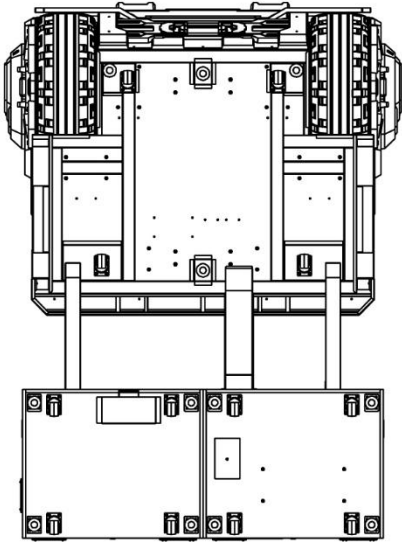
► Rear View



► Top View

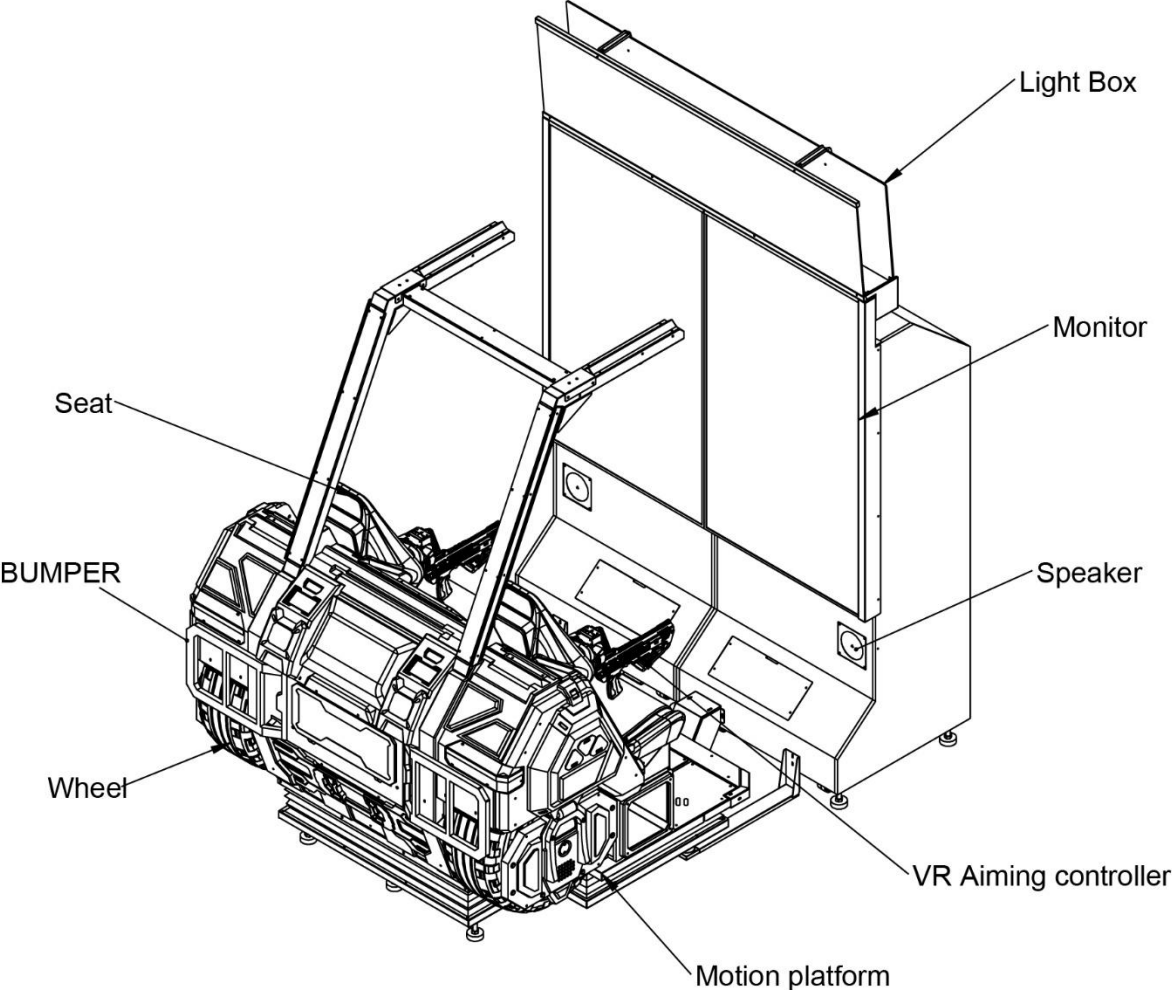


► Bottom View

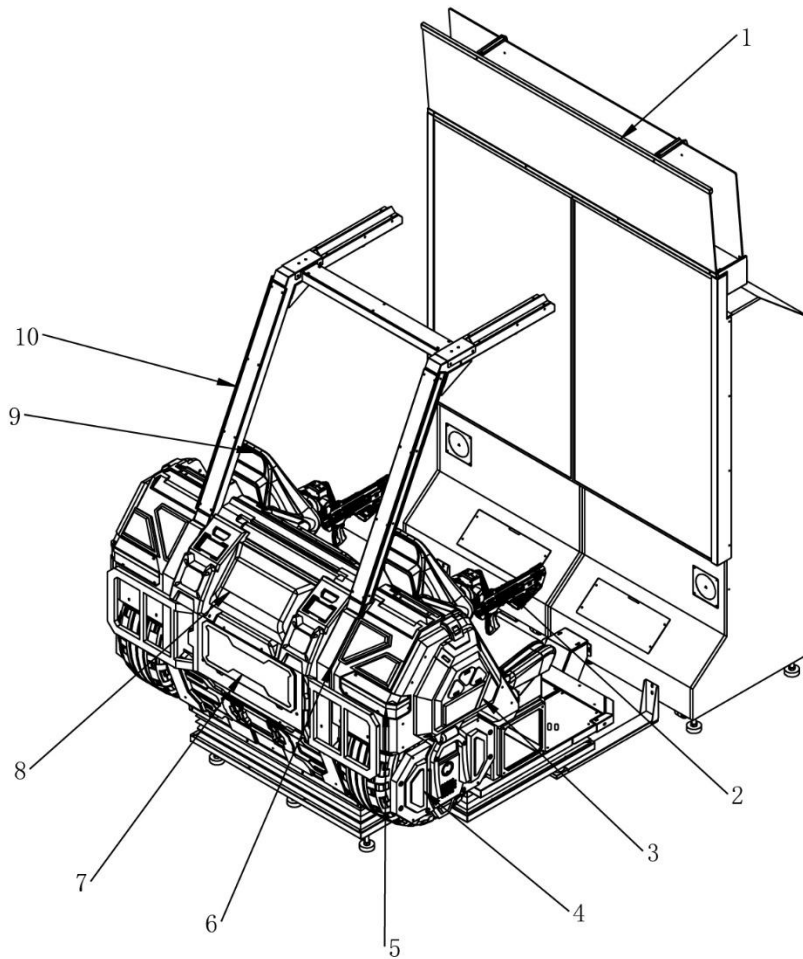


# 2.3 Parts Name

## 2.3.1 – Cabinet Component List



### 2.3.2 – Cabinet LED List



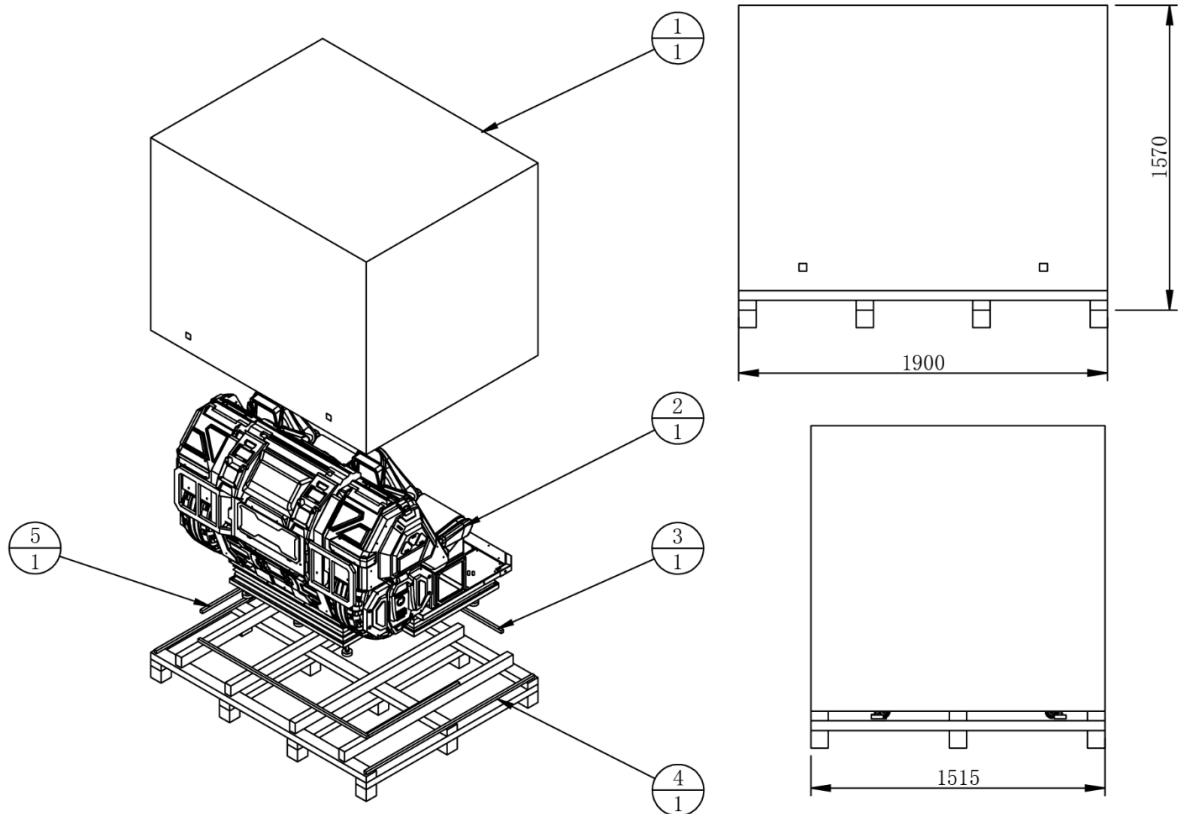
No.	Position	Drawing No.	Name	specifications	QTY
1	Light-box	APC-8002H24	LED	DC5V RGB -(LED1650)	2
		APC-8002H22	LED	BrightLEDBoard	15
2	Gun	APC-8002H01	LED	SK6812 -( 6mm LED130)	4
3	Side	APC-8002H03	LED	DC12V RGB (LED500)-(LED100)-(LED300)	2
		APC-8002H04	LED	DC12V RGB-(LED360)-(LED400)-(LED320)	2
		APC-8002H05	LED	DC12V RGB -(LED150)	2
		APC-8002H25	LED	DC12V RGB (LED200)-(LED160)	2
		APC-8002H06	LED	DC12V RGB -(LED250)-(LED250)-(LED250)-(LED250)-(LED250)-(LED250)	2
		APC-8002H07	LED	DC12V RGB -(LED250)-(LED250)-(LED250)-(LED250)-(LED250)-(LED250)	2
4	Wheel	APC-8002H02	LED	DC12V RGB -(LED400)-(LED500)-(LED500)-(LED500)-(LED100)	2
5	Brake	APC-8002H12	LED	SK6812 -(LED190)	6
		APC-8002H14	LED	DC12V RGB -(LED250)-(LED600)	2
6	Seat back	APC-8002H26	LED	DC12V RGB -(LED300)	2
		APC-8002H27	LED	DC12V RGB -(LED600)	2
		APC-8002H28	LED	DC12V RGB -(LED500)	2
		APC-8002H29	LED	DC12V RGB -(LED600)	2
		APC-8002H13	LED	DC12V White-(5mm LED1450)	1
7	LOGO	APC-8002H13	LED	DC12V White-(5mm LED1450)	1
8	Engine	APC-8002H15	LED	DC12V RGB -(LED350)-(LED350)-(LED350)-(LED350)	1
9	Seat	APC-8002H19	LED	DC12V RGB -(LED350)	2
		APC-8002H20	LED	DC12V RGB -(LED500)	2
		APC-8002H21	LED	DC12V RGB -(LED550)	2
10	Column	APC-8002H16	LED	SK6812 -(6mm LED1010)	2

## 2.4 Shipment List

Total Packing Cartons: **4pcs**

- **Packing Carton 1 (Seat ASSY): 1900(W)\*1515(D)\*1570(H) 456kgs**

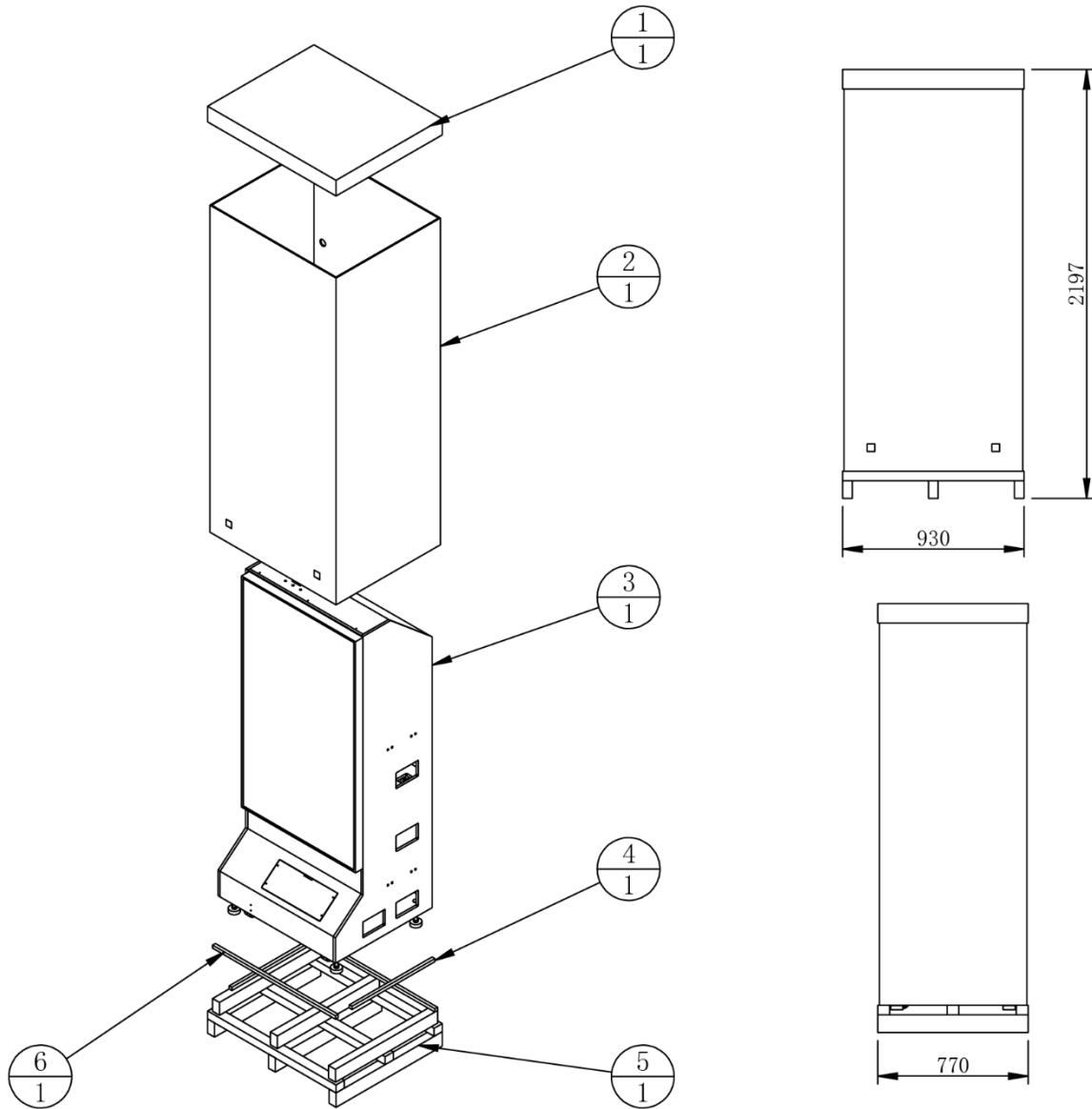
**NOTE:** Seat Section includes keys and accessory box.



5	APC-9901E04	Limiting strip 2	Wooden	1	
4	APC-9901E01	Seat pallet	Wooden	1	
3	APC-9901E03	Limiting strip 1	Wooden	1	
2	APC-0100000	Seat ASSY		1	
1	APC-9901E02	Seat carton	2C 850g T-7	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

▪ Packing Carton 2 (Monitor L ASSY): 930(W)\*770(D)\*2197(H)

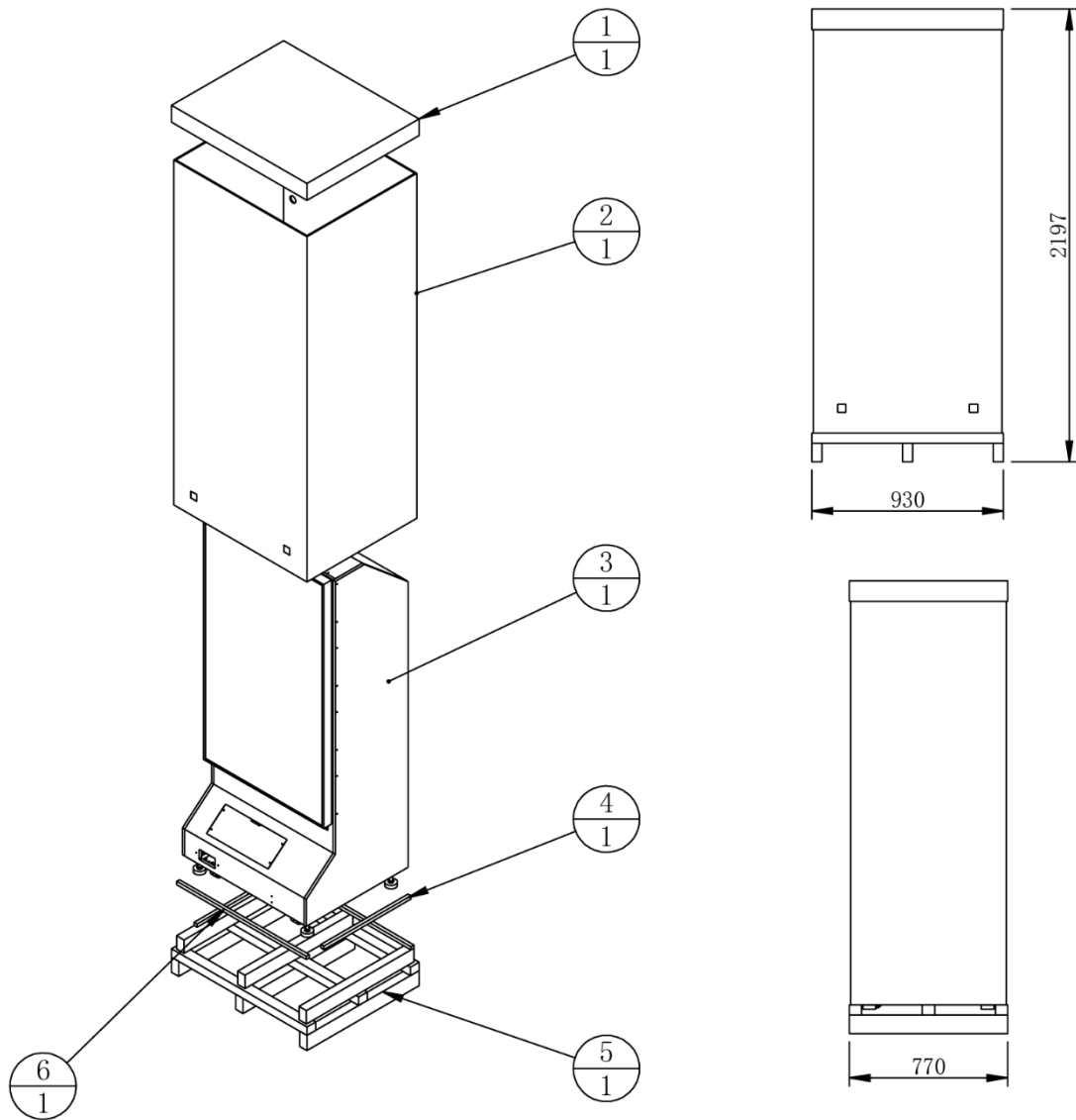
209kgs



6	APC-9902E04	Limiting strip 3	Wooden	1	
5	APC-9902E01	Monitor pallet	Wooden	1	
4	APC-9902E05	Limiting strip 4	Wooden	1	
3	APC-0200000	Monitor L ASSY		1	
2	APC-9902E02	Monitor carton 1	2C 850g T-7	1	
1	APC-9902E03	Monitor carton 2	2C 850g T-7	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

▪ Packing Carton 3 (Monitor R ASSY): 930(W)\*770(D)\*2197(H)

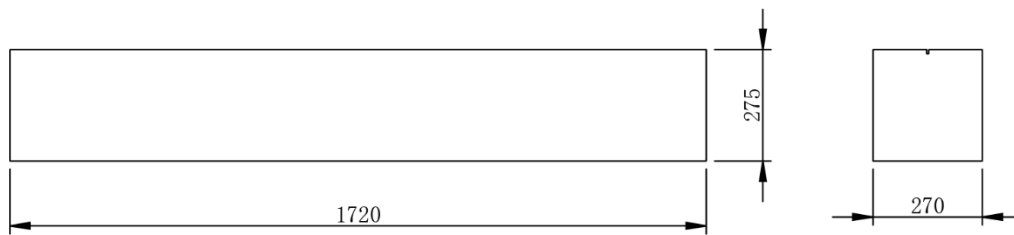
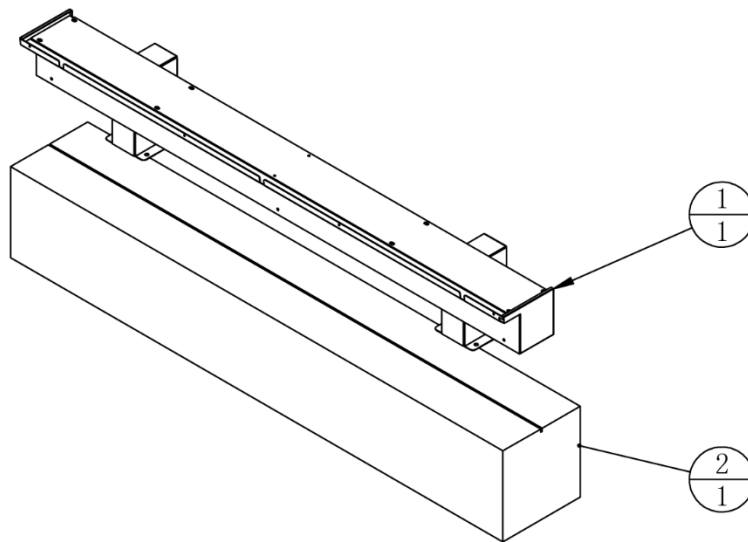
209kgs



6	APC-9902E04	Limiting strip 3	Wooden	1	
5	APC-9902E01	Monitor pallet	Wooden	1	
4	APC-9902E05	Limiting strip 4	Wooden	1	
3	APC-0300000	Monitor R ASSY		1	
2	APC-9902E02	Monitor carton 1	2C 850g T-7	1	
1	APC-9902E03	Monitor carton 2	2C 850g T-7	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

▪ Packing Carton 4 (Lightbox): 1720(W)\* 270(D)\* 275(H)

24.5kgs



2	APC-9904E01	Light-box carton	2C 850g T-7	1	
1	APC-0500000	Light-box ASSY		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

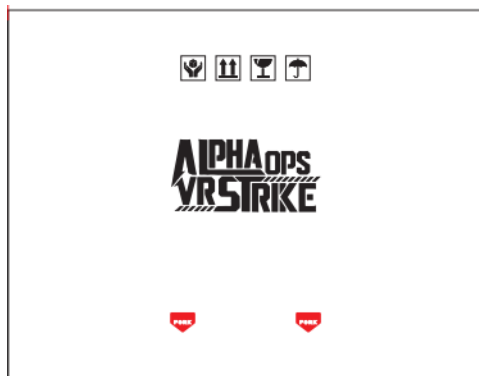
## 2.5 Unpacking Instruction

### **WARNING**

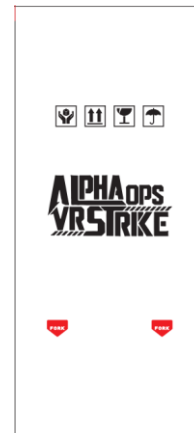
- For safety reasons, 3 people are required for the installation.

Each cabinet contains of 4 packages:

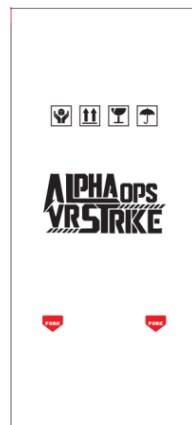
#### 1) Seat Frame package



#### 2) Monitor L Frame package



#### 3) Monitor R Frame package

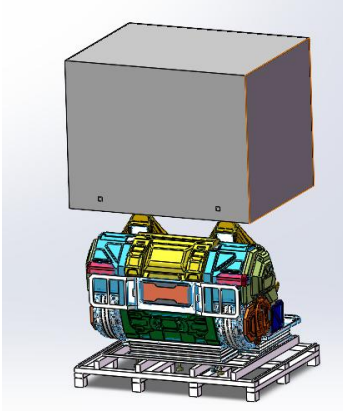


#### 4) Light-box package



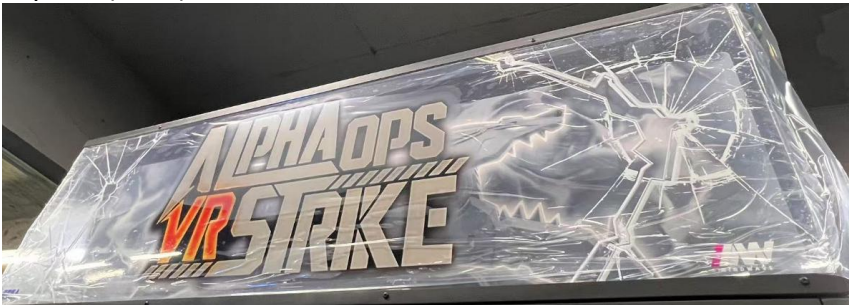
## 2.5.1 Steps of Unpacking [Seat Frame]

1. Remove the outer carton and cut the packing tape and remove the packing bag



2. Remove the up & back parts [8-items]

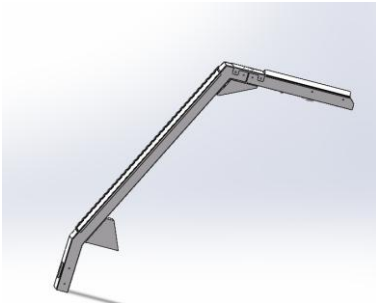
- 1) LOGO plate (1 set)



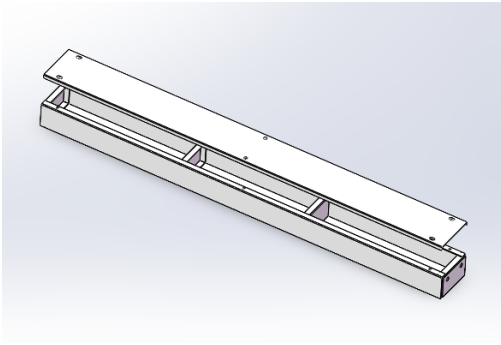
- 2) Background plate (1 set)



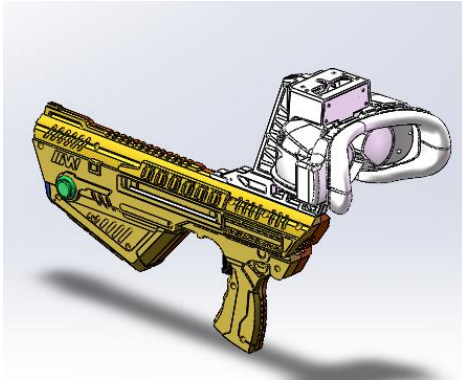
- 3) Left bracket & Right bracket (1 of each)



4) Upper bracket & cover (1 of each)



5) Gun ASSY (2 sets)



6) Crossing plate & cover (1 set)



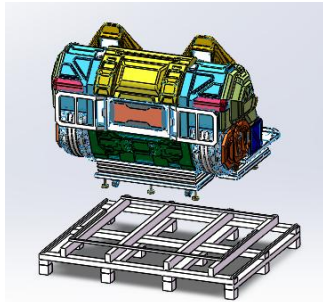
7) Positioner plate (2 sets)



## 8) Water tray assembly

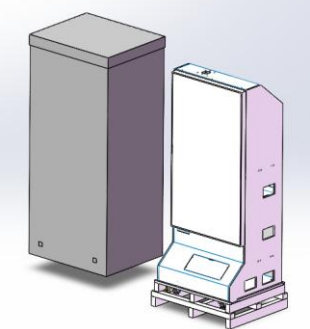


## 3. Remove seat section from pallet

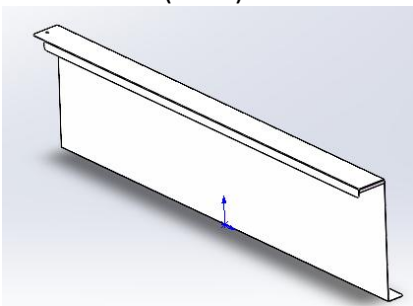


## **2.5.2 Steps of Unpacking [Monitor L Frame]**

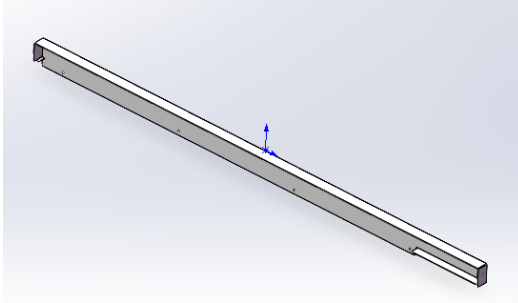
### 1. Remove the outer carton and cut the packing tape and remove the packing bag



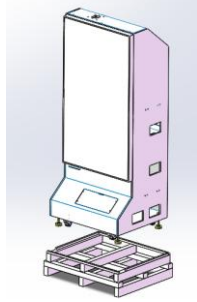
### 2. Remove the side & back parts 2.1) Left LCD rear cover (1 set)



2.2) Left LCD side cover (1 set)

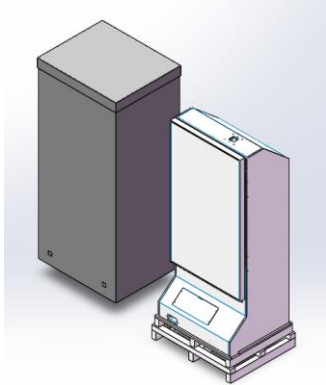


3. Remove seat section from pallet



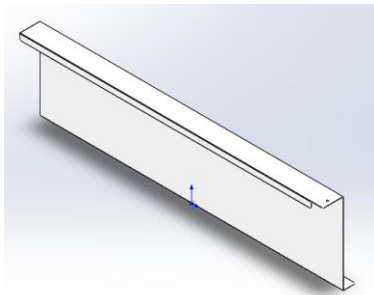
**2.5.3 Steps of Unpacking [Monitor R Frame]**

1. Remove the outer carton and cut the packing tape and remove the packing bag

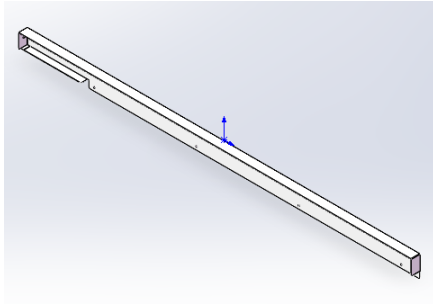


2. Remove the side & back parts [2-items]

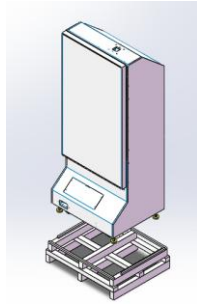
2.1) Right LCD rear cover (1 set)



2.2) Right LCD side cover (1 set)

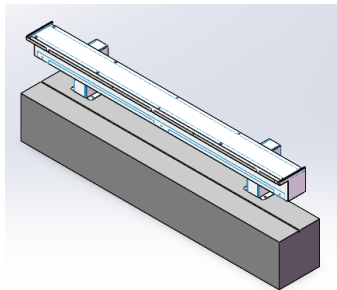


3. Remove seat section from pallet



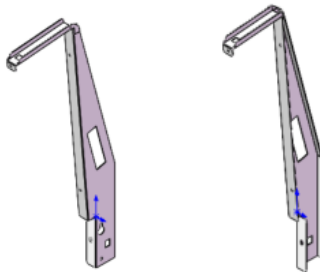
**2.5.4 Steps of Unpacking [Light-box]**

1. Remove the outer carton



2. Remove the parts

Right back bracket (1 set) & left back bracket (1 set)



## 2.6 Packing List

---

Please check the following items after purchasing our product. If any part is missing or damaged, please contact our salesperson.

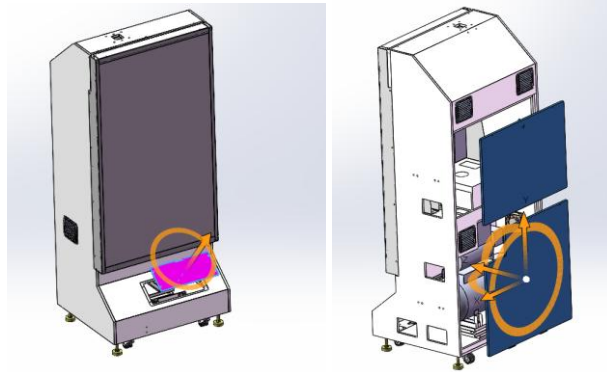
No.	Parts Name	Parts No.	Quantity
1	Fuse	TMW-0104H12 10A TMW-0104H13 20A	3
2	Key	Key	6
3	Power Cable	Power Cable (IEC C19 Type)	3
4	Hexagon socket head cap screw M4*16	SCR-303040161	20
5	Hexagon socket head cap screw M5*12	SCR-303050121	12
6	Hexagon socket set screw M6*20	SCR-202060201	10
7	Hexagon socket set screw M8*35	SCR-202080351	8
8	Hexagon socket set screw M8*45	SCR-202080451	4
9	Flat gasket M5*16*1 black	SCR-522051611	4
10	Hexagon socket head cap screw M5*20 BLACK	SCR-303050201	6
11	Black Tie Tape		2
12	Water Tray Assembly	APC-0206A02	1
13	Owner's Manual		1

## 2.7 Cabinet Assembly Instruction

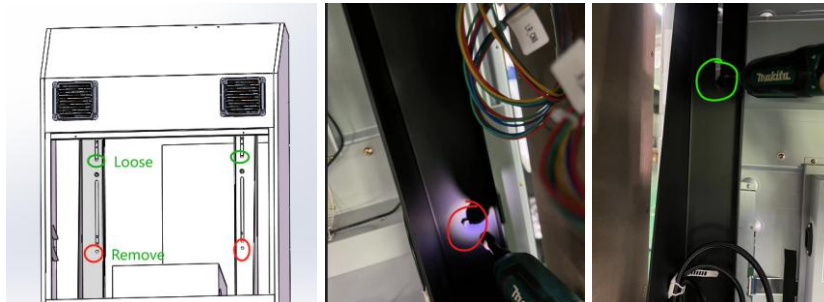
### CAUTION

- Minimum of 3 persons for the assembly.

1. Remove all doors from the monitor (L&R) cabinet.



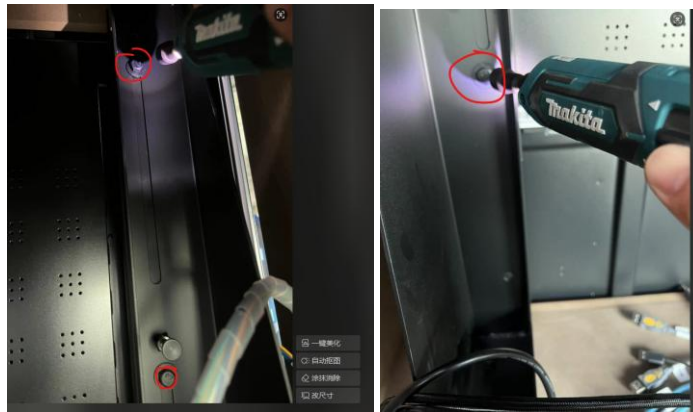
2. Remove the 2 screws fixed at the bottom of the monitor.
3. Loosen the two fixing screws on the upper part of the monitor



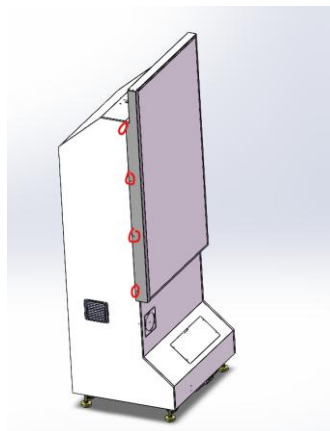
4. Gently lift the monitor until the spring locator bolt clicks into the limit axis.



5. Fix the four screws of the monitor.



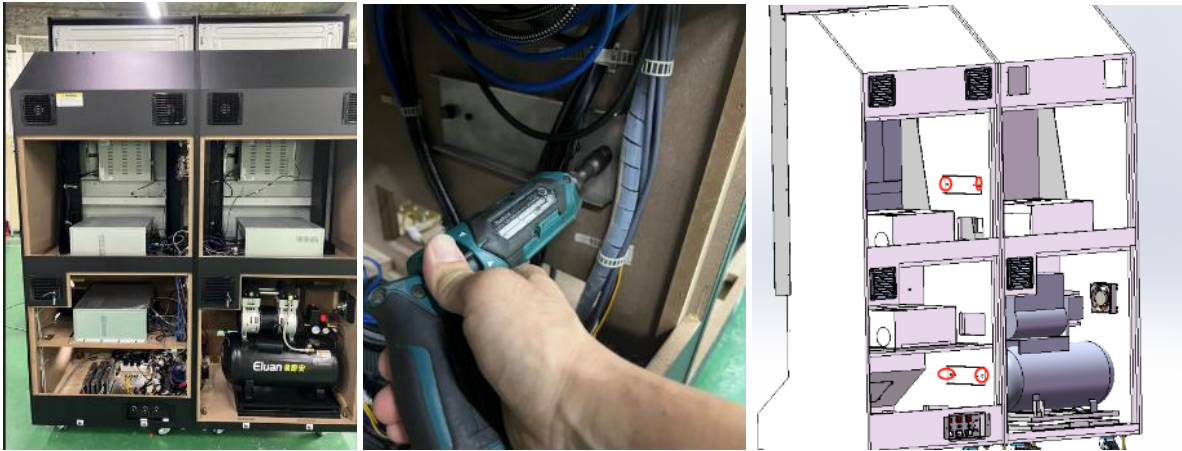
6. Fix the Left LCD side cover to the frame.



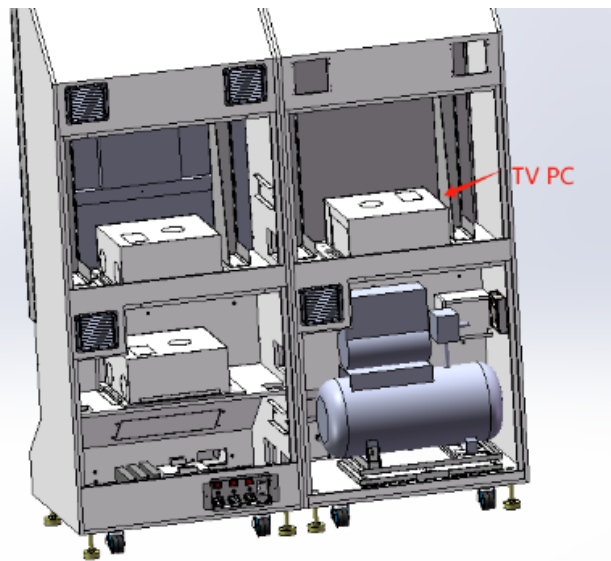
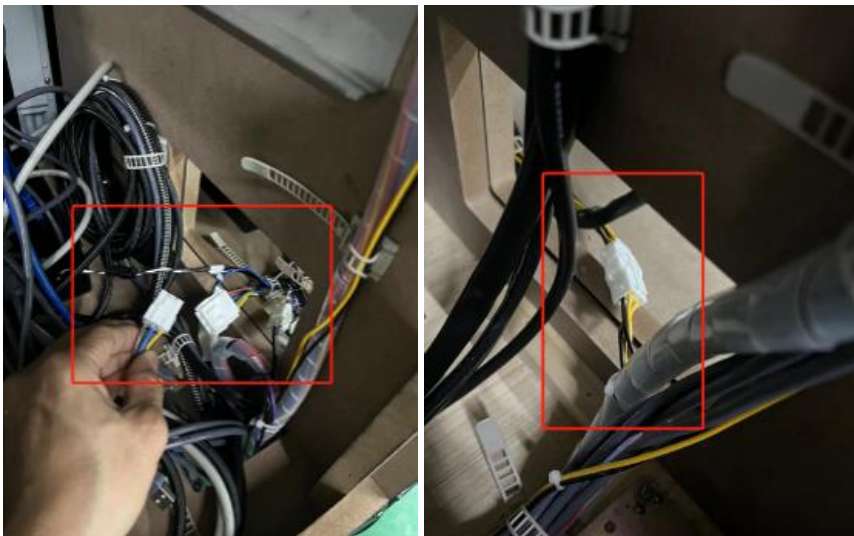
7. Repeat the process on the other Monitor cabinet.



8. Connect the L and R monitor frame together with 13mm Hex bolts.



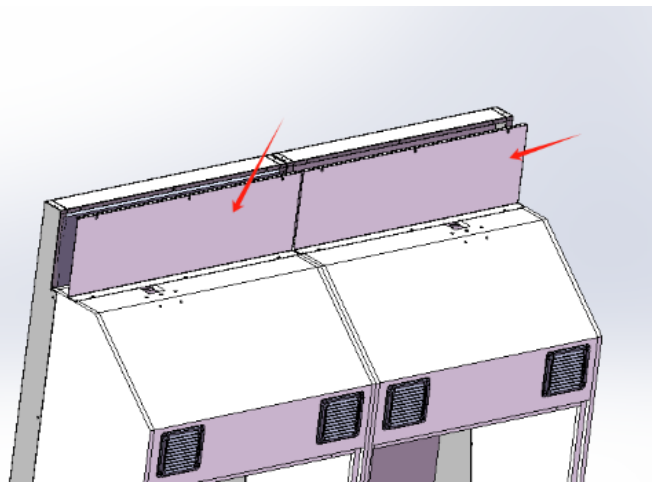
9. Connect all cables between the L&R monitor frame (Lower power connections / Upper video and data connections from the left side to the TVPC area).



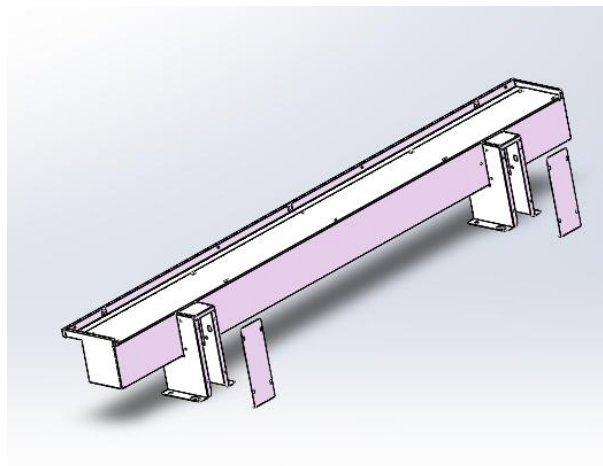
10. Connect the wires of the L and R monitor according to the labels.



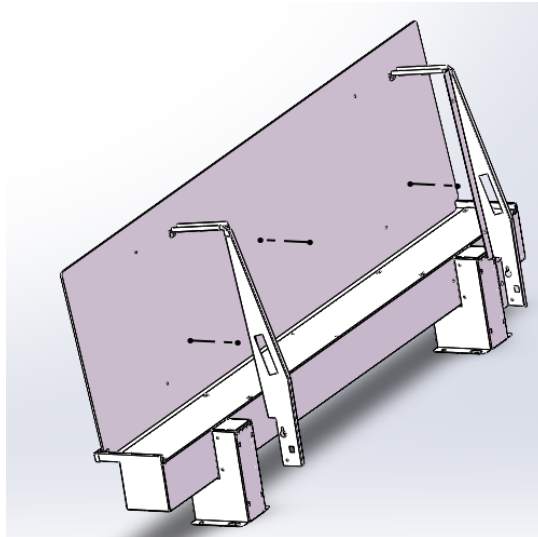
11. Fix the monitor upper back cover.



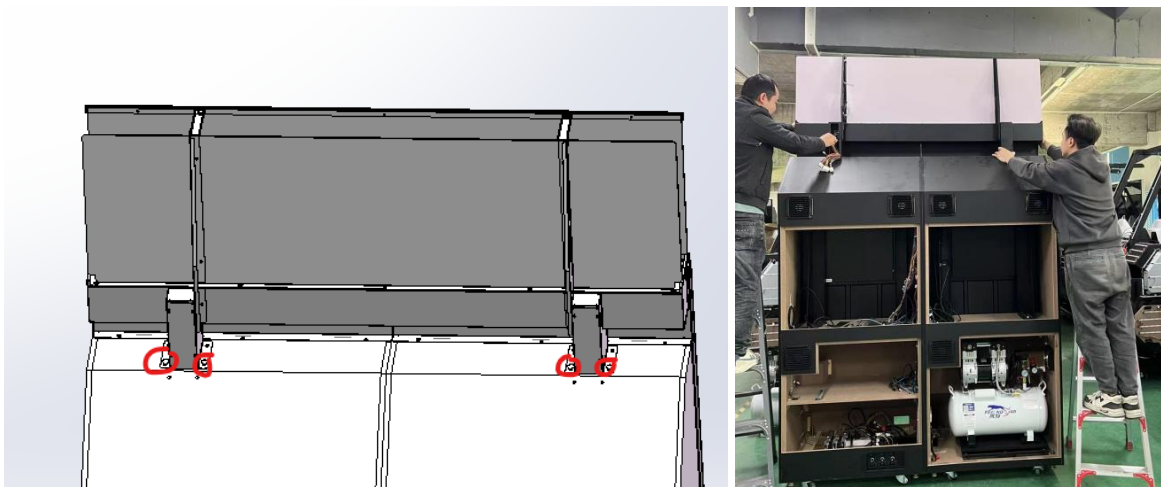
12. Remove the cover of light-box



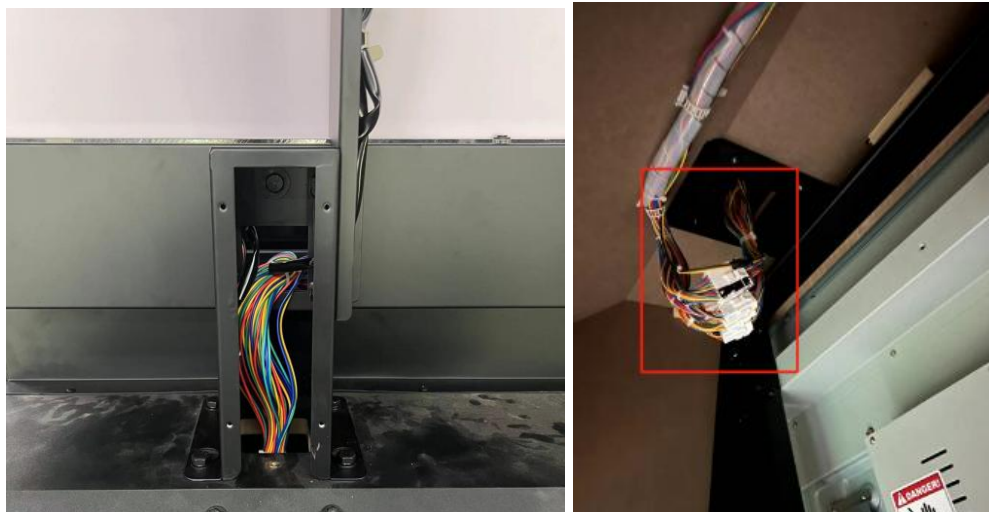
13. Fix the background to the lightbox and connect LED wire.



14. Hang the light box on the predetermined 4 screws and fix it to the monitor (L&R) frame.



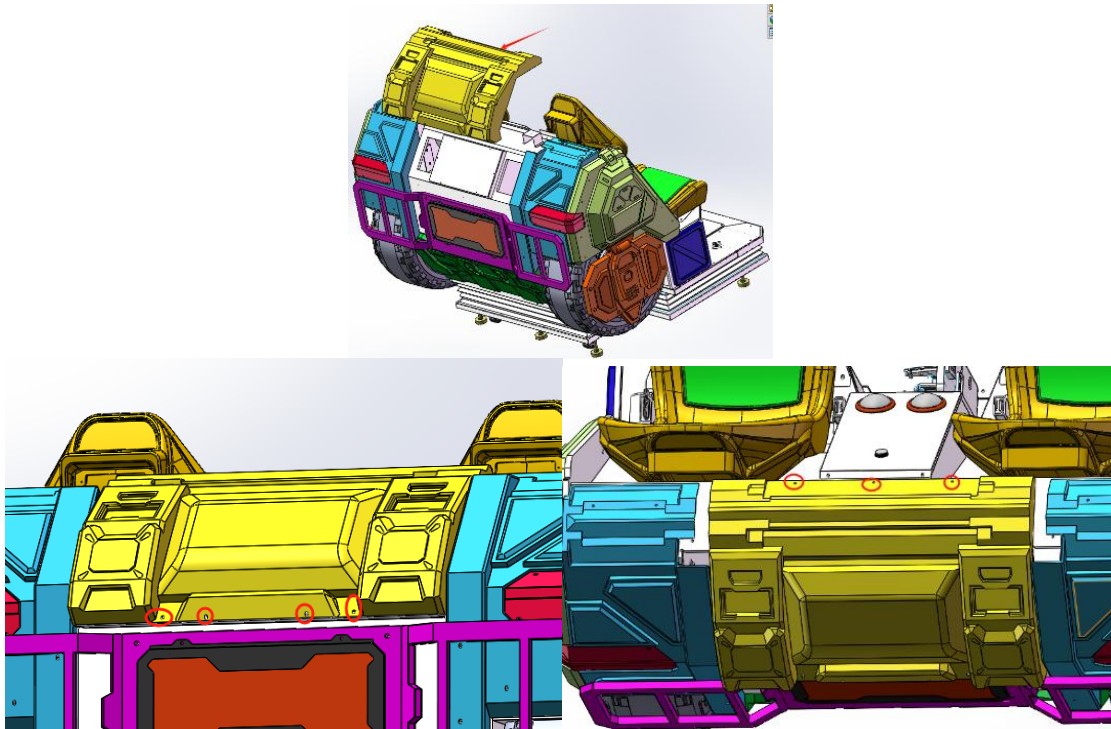
15. Connect the light box wires with the wires inside the monitor frame.



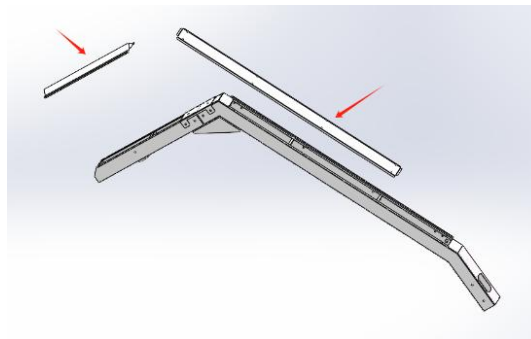
16. Fix the light box cable cover.



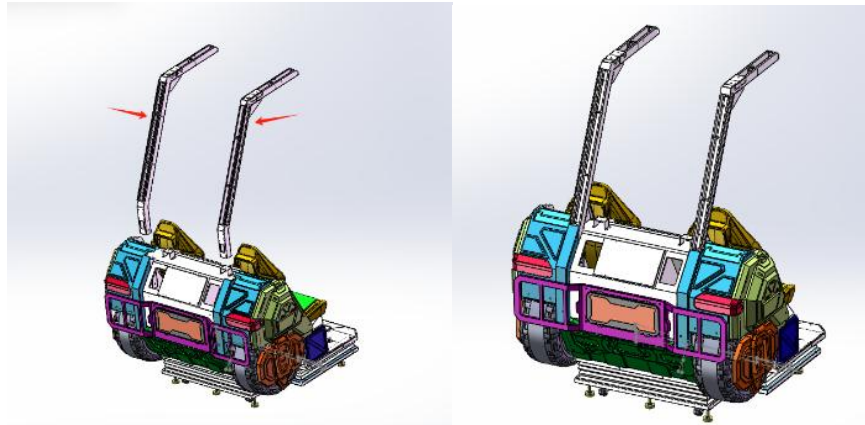
17. Remove the middle cover of the seat ASSY.



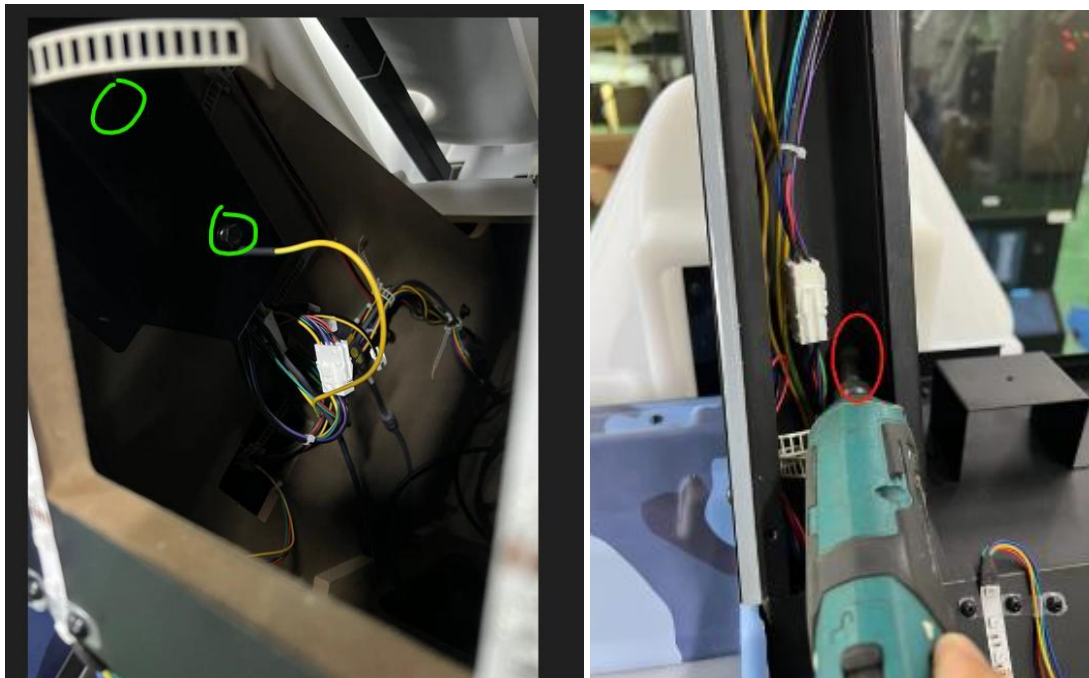
18. Remove the cover of beam (L&R).



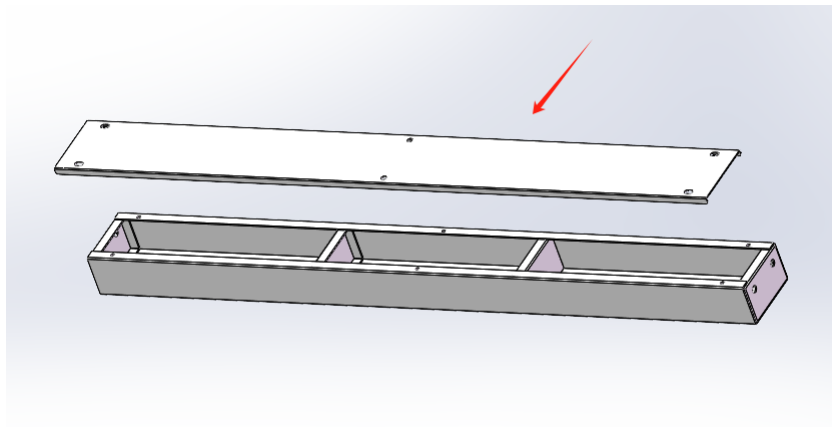
19. Insert the L & R beam into the seat ASSY.  
Pay attention to the cables as you feed them through.



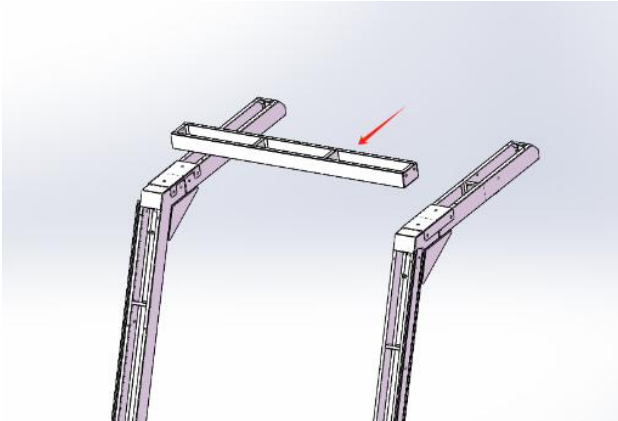
20. Secure the overhead beam to the seat ASSY (3x 10mm bolts per beam).



21. Remove the cover of support plate.



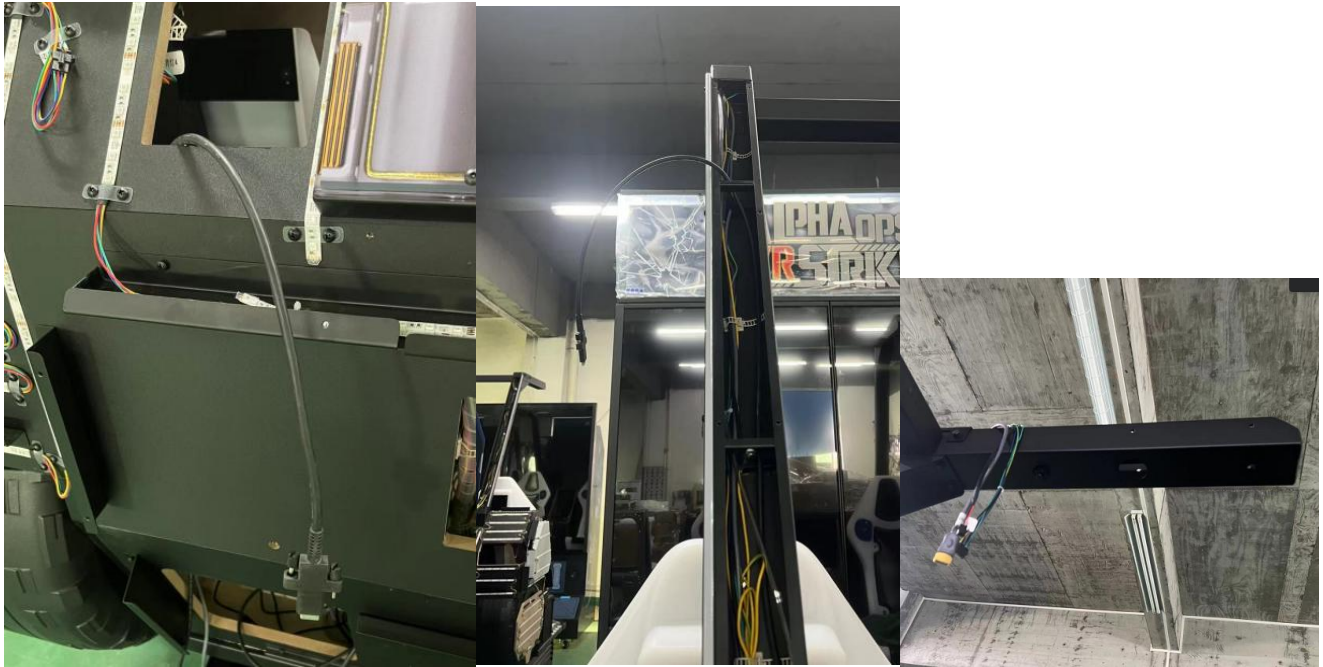
22. Fix the support plate to the beam (L&R).



23. Connect the cables between the beam and seat ASSY.



24. Feed the HMD cable through the beam and exit through the outlet hole.



25. Fix the steel cable of gun ASSY to the beam.



26. Connect the gun assembly cables.



27. Fix the harness protector to the beam.



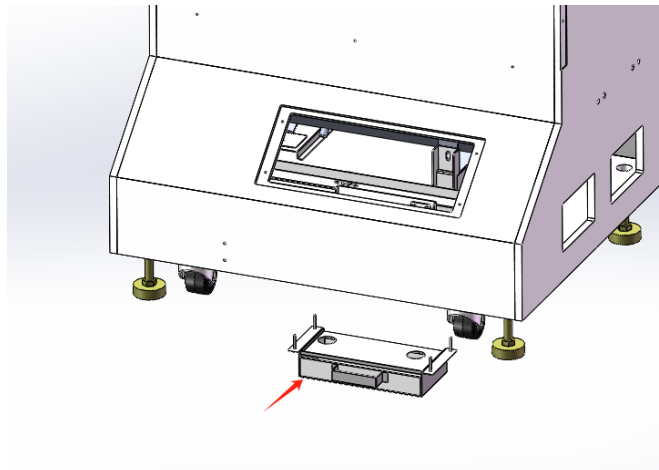
28. Install the beam cover plates.



29. Reinstall the center seat cover.



30. Fix the water tray assembly on monitor L frame.



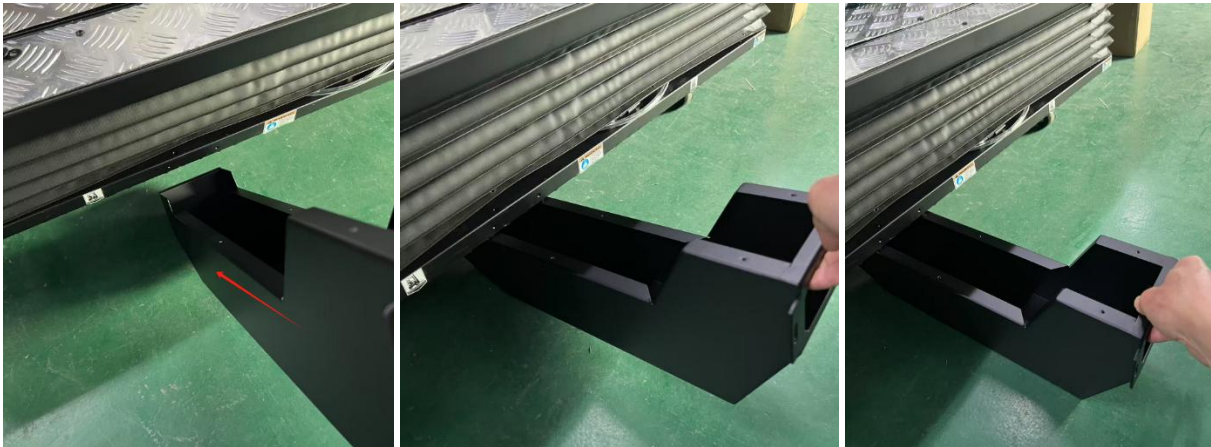
31. Remove the floor plate from the seat assembly.



32. Remove the screws from the motion skirt and drop the skirt.



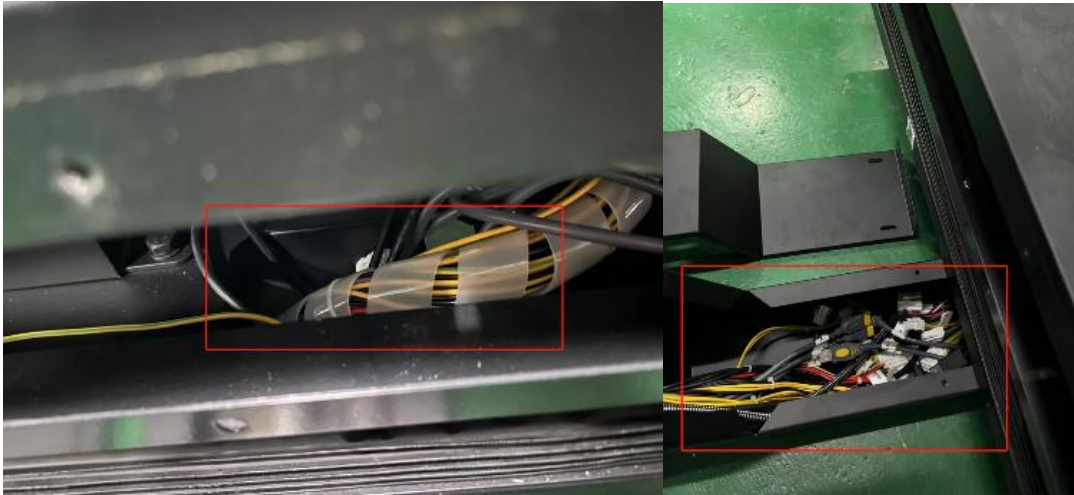
33. Insert the cable tray diagonally into the bottom of the motion platform in the position.



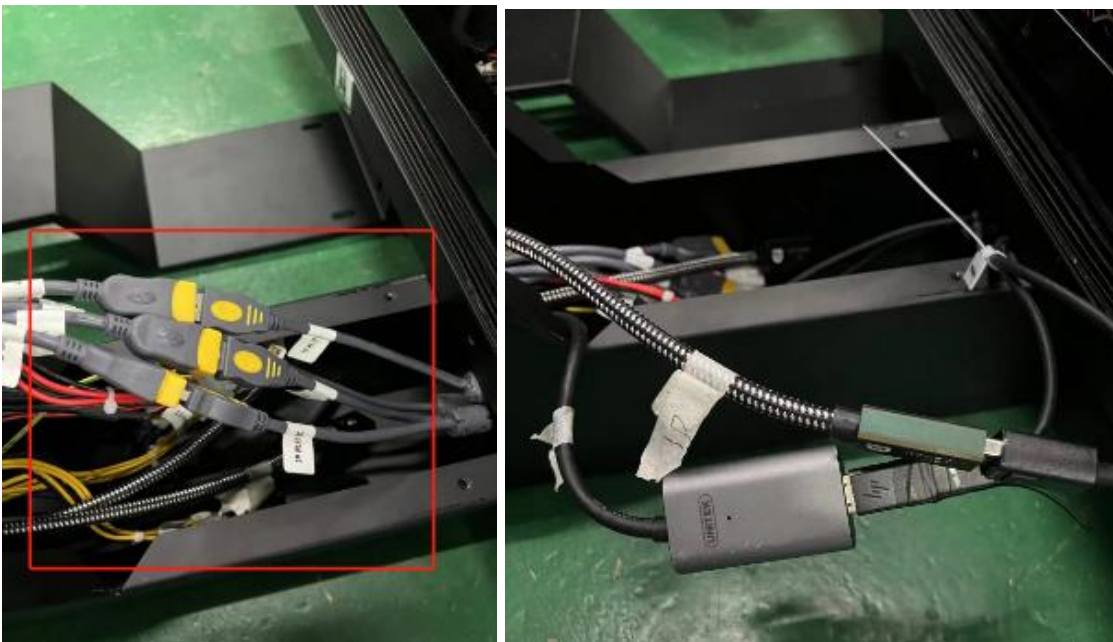
34. Align the cable tray with the wire hole of the monitor frame.



35. Feed the wires through the bottom of the seat ASSY to the cable tray.



36. Connect the wires between the seat ASSY and monitor R frame (Take note of labels).



37. Feed the HMD power cord into the seat ASSY and connect it to HMD.



38. Feed the air tube through the cable tray and connect it to the seat ASSY air tube.



39. Install the width limiting plate onto the monitor frame.



40. Wind the leg levelers down so the wheels are raised from the floor.

41. Using a lift device, lift the seat assembly leg leveler onto the limiting plate.

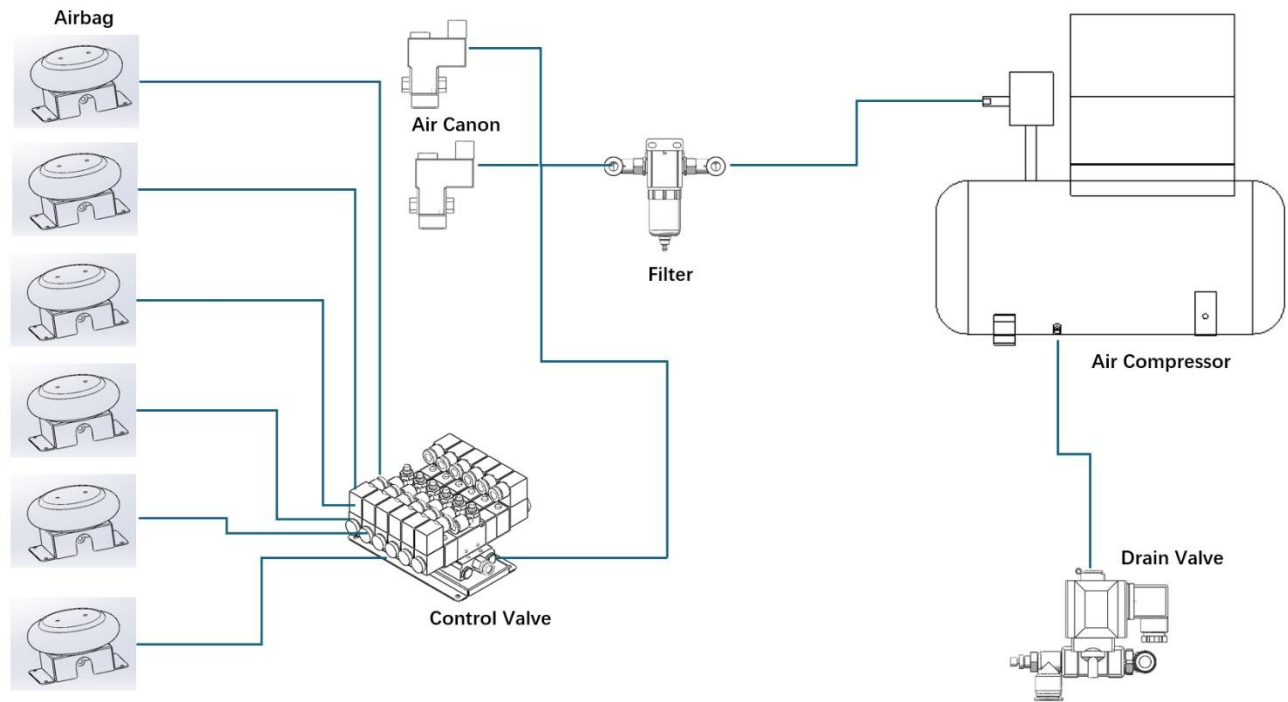


42. Secure the cable tray to the monitor cabinet and install the cover.



43. Refit all cover plates and doors.

## 2.8 Air Flow Diagram



## 2.9 Warranty

---

### ■ Exclusive

- Damage caused by force majeure.
- Failure caused by carelessness, such as water contact, falling down, toppling, knocking.
- Failure caused by disobeying the instructions in this manual.
- Failure caused by operating the machine on inappropriate site.
- Change the original design and configuration for the game without notice.
- Failure to perform regular service and clean.
- Failure to fix the product in line with the manual's requirement.
- Malfunction or part damage caused by electromagnetic interference other electronic equipments generated.

# 3. Game Description and AO MENU

---

Game version: v1.1.5 or above

## 3.1 Game Description

---

### 3.1.1 GAME FEATURE

- Attendant Free Motion VR Game
- Unique Military Inspired **2 players cabinet**
- **3 Exciting Stages** with Final Stage to face the BOSS
- **2 Game Modes:**
  - >SOLO PLAY
  - >CO-OP PLAY (support link-play up to 2 players of the same cabinet at a time)
- Game Difficulties: **Easy, Normal** and **Hard**
- **65" displays (Ultra Narrow)**
- **New VR Aiming Controller**
- **New Motion Platform**
- 4.1 Surround Sound System
- Full **LED** illuminated Cabinet

## **3.1.2 GAME CONTENT**

### **Scenes**

There are total of **3** Stages:

**1 – ICE BLIZZARD**

**2 – DESERT GORGE**

**3 – BOSS STAGE**



### **Difficulties**

- There are **3** levels of difficulties: **Easy**, **Normal** and **Hard**

### **Game Modes**

- **PLAYER SOLO**
- **CO-OP PLAY** (support link-play up to 2 players of the same cabinet at a time)

## 3.2 Game Flow

### 3.2.1 Front-End MENU

#### (1) Insert Coin Page

Insert coin page will appear to ask player to insert coins and start the game.



#### (2) Warning Message

A warning screen will appear after game is started.



### (3) Loading Screen

Player Instructions will be shown in loading screen.

VR view:



Main Screen Monitor view:

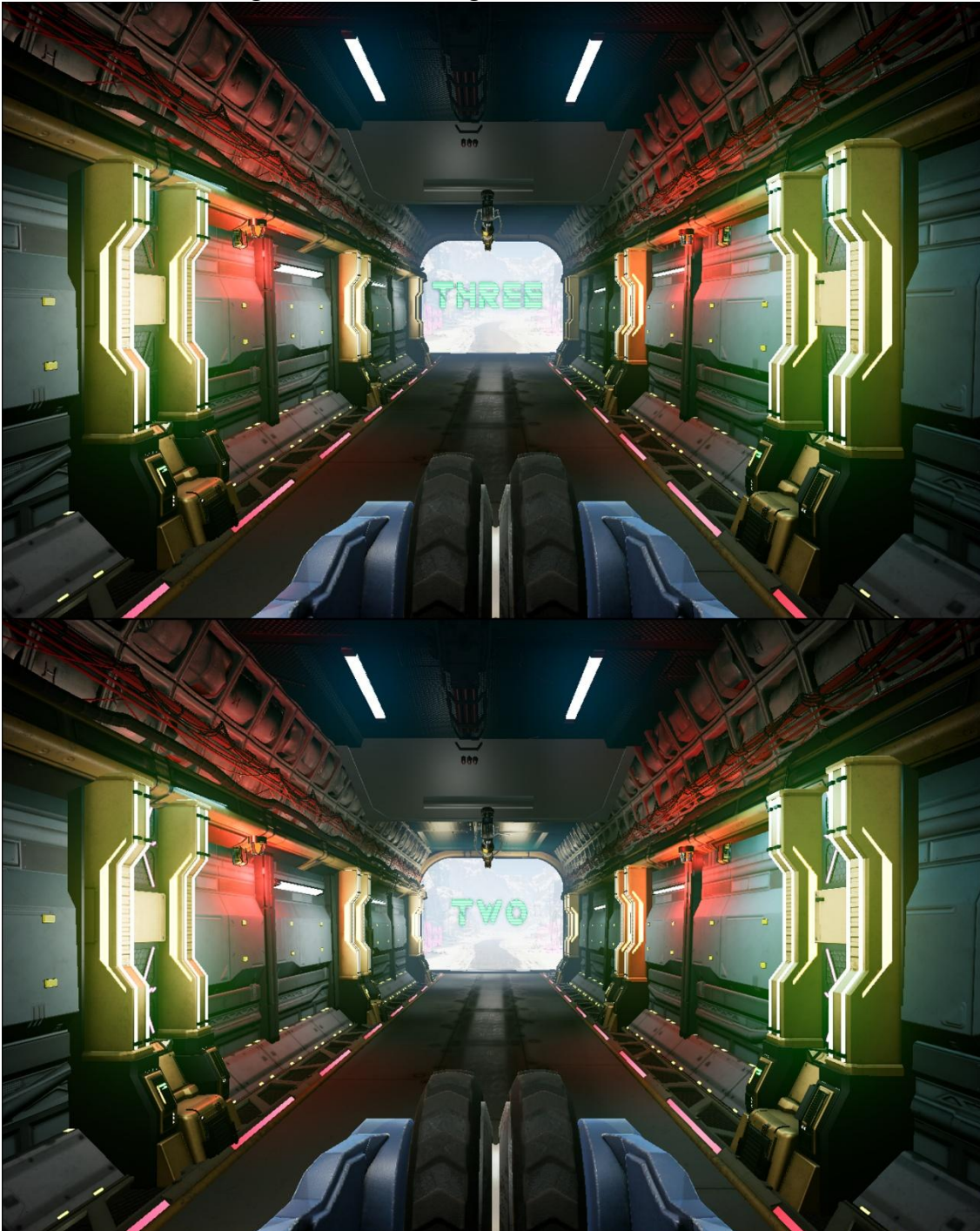


### **3.2.2 In-Game HUD (Heads up Display)**

#### **(4) In-Game HUD**

##### **Game START**

Game starts at once right after the loading is finished.



## UI Screen (VR view)

During the game, status of the player and enemies will be displayed around the **VR view**.

1 - Player's health	4 - Enemy health
2 - Number of bullets	5 - Enemy Weak Point
3 - Countdown to enemy attack time	6 - Enemy Position Locator



## UI Screen (VR view)

7- Special Enemy Weak Point

8- Throwing Weapon Weak Point



## UI Screen (Main Screen Monitor)

UI on the TV screen:

- Player 1 (P1) on the LEFT
- Player 2 (P2) on the RIGHT



1 - Number of rounds that Player 1 can play	4 - Player 1's Current weapon
2 - Player 1's Player Health	5 - Player 1's Player Score
3 - Player 1 Weapon bullet count	

### 3.2.3 Back-End MENU

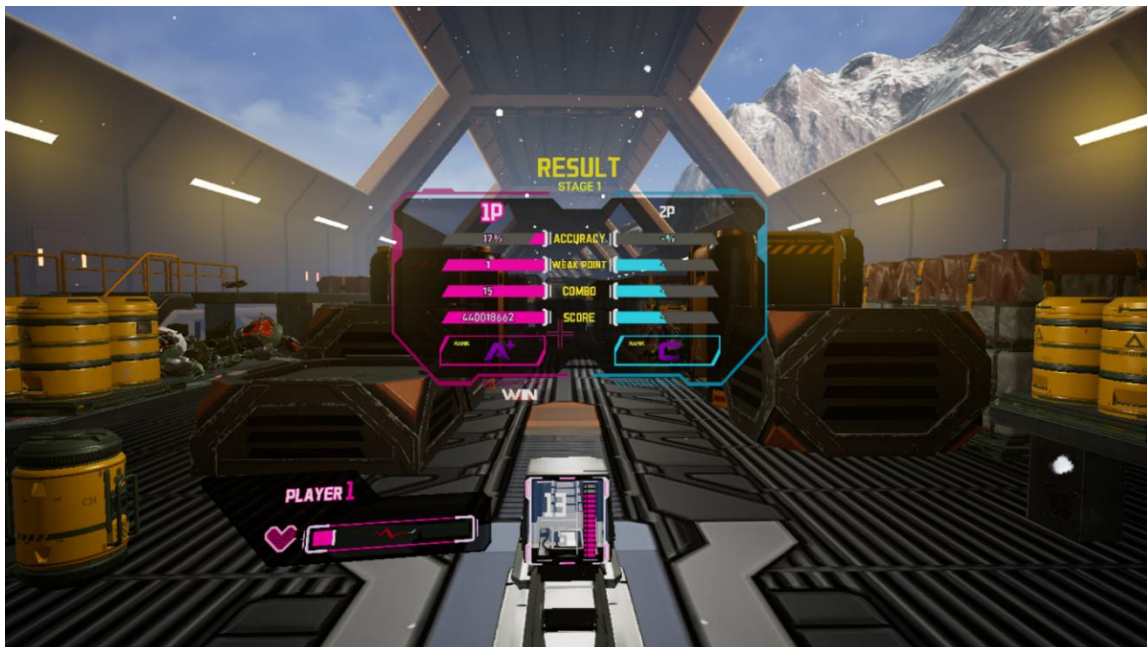
#### (5): Player Result

The game ends when the player completes the stage or has no remained life or time is up.

After a stage has been completed, player(s) will be asked to continue the game.

If player(s) do not insert coins before the countdown ends, the current game will be ended.

After the game ends, the rankings of all players will be displayed.





1 - Results and Stage	4 - Combo
2 - Accuracy	5 - Score
3 - Weak Point	6 - Ranking Score

## 3.3 USB Drive Patching

---

### USB Patching Steps:

1. Create a directory named [VRAPCUpdate] in the USB (for example, U:\VRAPCUpdate\), and copy the new game update software to this directory. (Folder is called “Windows”)

**NOTE: All 3 PCs use the same software and MUST be updated with the same version.**

2. Turn off the host computer of the ALPHA OPS VR STRIKE machine.
3. Please insert the USB Drive into the host computer of ALPHA OPS VR STRIKE machine.
4. Restart the host computer of the ALPHA OPS VR STRIKE machine, the game launcher will automatically start and install updates from the USB drive.
5. After USB patching is completed, please remove the USB drive from ALPHA OPS VR STRIKE machine.

## 3.4 Operator MENU

**NOTE:** It is advised to make any kind of test menu change when sat idle is on the attract sequence.

**Tip:** If in game, you can toggle AO menu ON/OFF to quit the game in progress.

### Arcade Operator

1. Under the game **Title Screen**, press the [TEST/EXIT] key of the coin control box to enter the [Arcade Operator], the **main arcade operator** menu is shown as below.



2. In the main menu screen, use the [OPTION Cycle/SELECT] switch scroll down the list.

3. To enter an option, pull **UP** on the same switch.

4. To change any option, pull **UP** and when the setting is correct, continue pressing **DOWN** to move to other options.

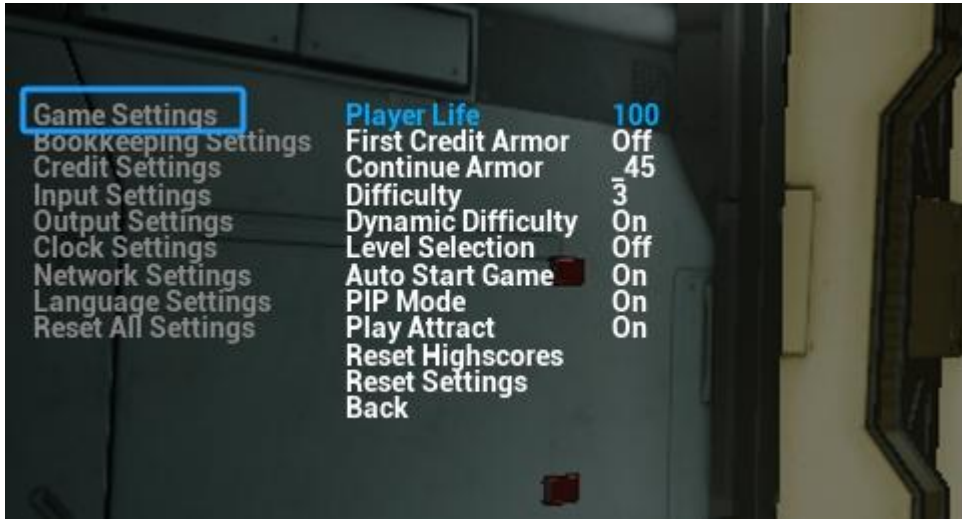
5. To exit the **arcade operator** user interface, press the [TEST/EXIT] button.

Setup is saved automatically. It will go back to the game title screen with new settings.

Main menu settings:

<ul style="list-style-type: none"><li>▪ <b>Game Settings</b></li><li>▪ <b>Bookkeeping Settings</b></li><li>▪ <b>Credit Settings</b></li><li>▪ <b>Input Settings</b></li><li>▪ <b>Output Settings</b></li></ul>	<ul style="list-style-type: none"><li>▪ <b>Clock Settings</b></li><li>▪ <b>Network Settings</b></li><li>▪ <b>Language Settings</b></li><li>▪ <b>Reset All Settings</b></li></ul>
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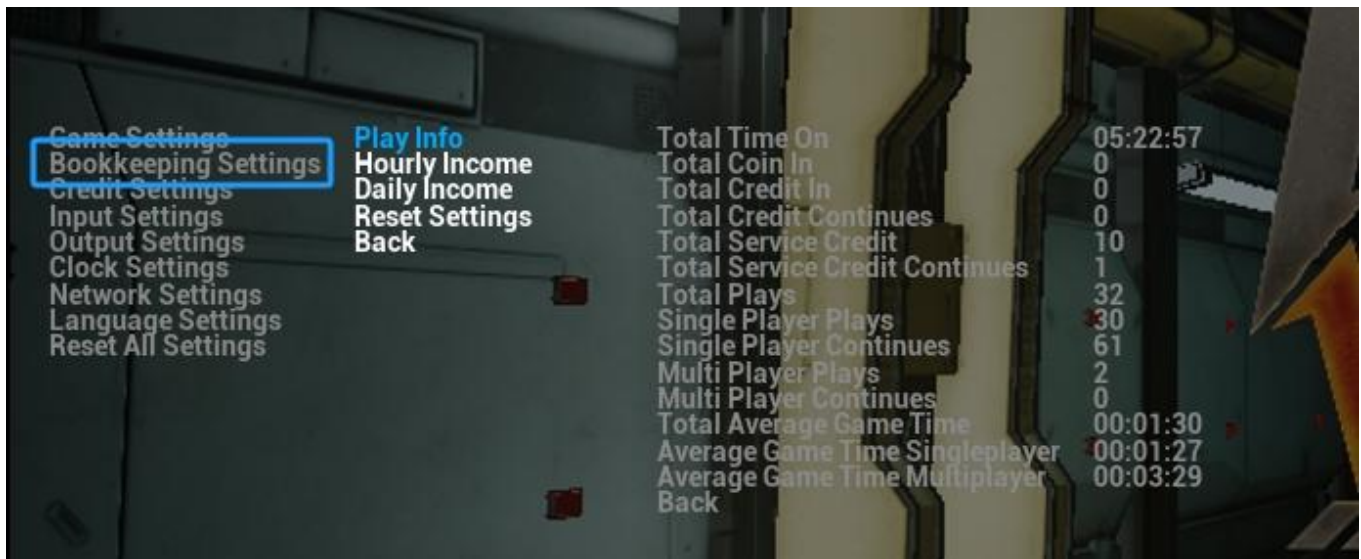
### 3.4.1 Game Settings



Enter **[Game Settings]**, you can set the following items:

Setting Items	Setting Content
Player Life	95-100
First Credit Armor	Off/_30/_60/_120/_150/_180
Continue Armor	Off/_30/_45/_60
Difficulty	1/2/3 (1 = the easiest)
Dynamic Difficulty	On/Off
Level Selection	On/Off
Auto Start Game	On/Off
PIP Mode	On/Off
Play Attract	On/Off
Reset Highscores	Reset High score back to Default
Reset Settings	Reset
Back	Back

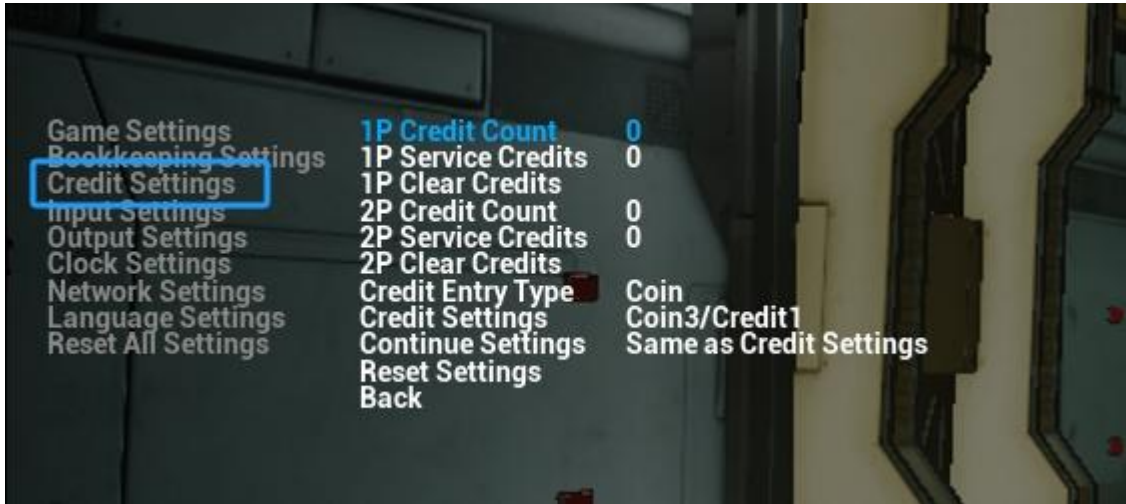
### 3.4.2 Bookkeeping Settings



Enter [**Bookkeeping Settings**], you can check the following items:

Setting Items	Check Content
Play Info	/
	Total Time On
	Total Coin In
	Total Credit In
	Total Credit Continues
	Total Service Credit
	Total Service Credit Continues
	Total Play
	Single Player Plays
	Single Player Continues
	Multi Player Plays
	Multi Player Continues
	Total Average Game Time
	Average Game Time Singleplayer
	Average Game Time Multiplayer
Hourly Income	Total Income by Hour
Daily Income	Monday to Sunday
Reset Settings	Reset
Back	Back

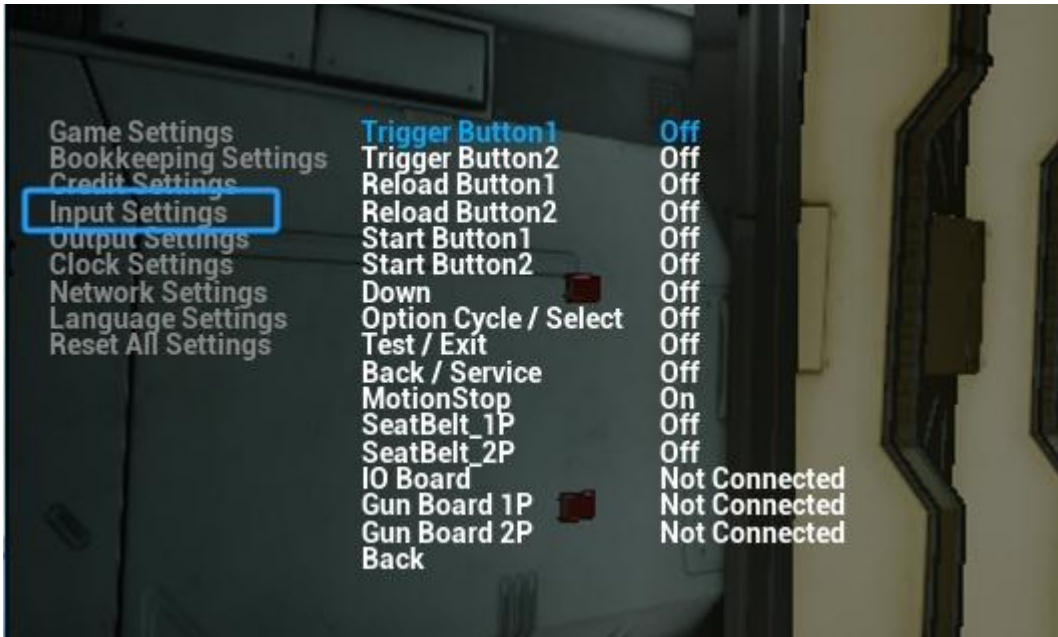
### 3.4.3 Credit Settings



Enter [**Credit Settings**], you can set the following items:

Setting Items	Setting Content
1P Credit Count	0-24
1P Service Credits	0-24
1P Clear Credits	Clear Credit to 0
2P Credit Count	0-24
2P Service Credits	0-24
2P Clear Credits	Clear Credit to 0
Credit Entry Type	Coin/Card Swipe
Credit Settings	Free Play/ X Coins X Credit
Continue Settings	Same as Credit Settings/ X Coins X Credit
Reset Settings	Reset
Back	Back

### 3.4.4 Input Settings



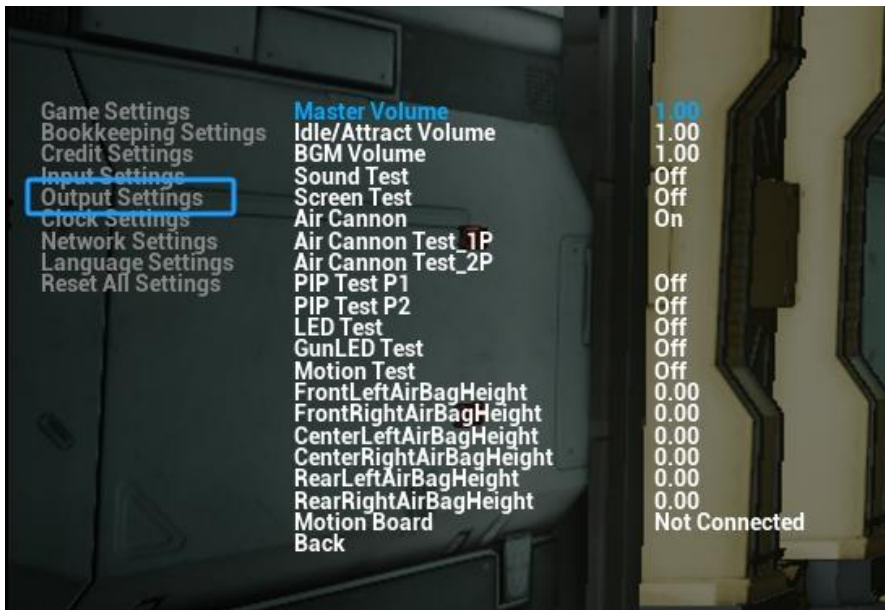
Enter **[Input Settings]**, you can set the following items:

The screen will toggle ON/OFF depending on if the input signal is active or not.

Example: Pull trigger on P1 = "Trigger Button1 =ON "

Setting Items	Setting Content
Trigger Button1	On/Off
Trigger Button2	On/Off
Reload Button1	On/Off
Reload Button2	On/Off
Start Button1	On/Off
Start Button2	On/Off
Down	On/Off
Option Cycle / Select	On/Off
Test / Exit	On/Off
Back / Service	On/Off
MotionStop	On/Off
SeatBelt_1P	On/Off
SeatBelt_2P	On/Off
IO Board	Connected/Not Connected
Gun Board 1P	Connected/Not Connected
Gun Board 2P	Connected/Not Connected
Back	Back

### 3.4.5 Output Settings



Enter **[Output Settings]**, you can set the following items:  
Set and test all output functions of the game.

Setting Items	Setting Content
Master Volume	0-2.00
Idle/Attract Volume	0-2.00
BGM Volume	0-2.00
Sound Test	Off/Left/Right/Sub
Screen Test	Off/On
Air Cannon	On/Off
Air Cannon Test_1P	
Air Cannon Test_2P	
PiP Test P1	Off/On
PiP Test P2	Off/On
LED Test	Off/On
GunLED Test	Off/On
Motion Test	Off/On
FrontLeftAirBagHeight	
FrontRightAirBagHeight	
CenterLeftAirBagHeight	
CenterRightAirBagHeight	
RearLeftAirBagHeight	
RearRightAirBagHeight	
Motion Board	Connected/Not Connected
Reset Settings	Reset
Back	Back

**PiP's Working Logic:**

1. Left & Right PiP are **OFF** in "Titles screen".



2. Left & Right PiP are **ON** when game starts.



3. Left & Right PiP are **OFF** after game is over and return to “Titles screen”.



**PiP Function Testing Procedures:**

- 1. Enter AO menu-->Output Settings
- 2. Turn ON/OFF PiP test (P1 and P2)  
PiP in 1P/2P would be displayed when toggled **ON**

**NOTE:** PiP will turn **OFF** after exiting Output Settings/AO menu.



### Manual PiP Toggle buttons (AO control panel)

3. If PiP is enabled (ON) at any point,  
pressing the PiP button on the control panel will turn the PiP **OFF**.
4. If PiP is disabled (OFF) at any point,  
pressing the PiP button on the control panel will turn the PiP **ON**.



### How the HMD calibrates and when:

1. The HMD will calibrate automatically when VRPC1 / VRPC2 boot, and the **DPVR Assistant 4** initialises.
2. The HMD will calibrate in the "Title screen" if it has been idle for 3 minutes.  
If the HMD moves again in "Title Screen", it will re-calibrate after being idle for 3 minutes.
3. The operator can point the controller towards the screen hold **START** Button for a few seconds during game to manually recalibrate the HMD.

### 3.4.6 Clock Settings



Enter **[Clock Settings]**, you can set the following items:

Setting Items	Setting Content
Year	Year
Month	Month
Date	Date
Hour	Hour
Minute	Minute
Second	Second
Apply	Apply
Back	Back
	PLEASE NOTE: Setting the time or date to the past will require the game to restart.

### 3.4.7 Network Settings



Enter **[Network Settings]**, you can set the following items:

**NOTE:** The IP addresses are handled by DHCP and are assigned by the security HASP key.

Setting Items	Setting Content
Network Status	Linked [X] Cabs / No Link
Cabinet ID	1/2/3/4
IP Mode	Auto/Manual
Other Machine IP	xxx.xxx.xx.xxx When this option is activated, it will toggle between the other IP addresses of the linked cabinets and show in the "Other Cabinet ID" setting.
Other Cabinet ID	½ (See above description)
Reset Settings	Resets all network settings to factory default
Back	Back

#### Network Settings Instruction (displayed on TVPC Monitor):

<b>Player 1</b> (Cabinet 1 TLC) Cabinet ID: <b>1</b>	<b>Player 2</b> (Cabinet 1 TRC) Cabinet ID: <b>2</b>
<b>Player 3</b> (Cabinet 3 TW) Cabinet ID: <b>3</b>	
<b>TLC = Top left corner</b> <b>TRC = Top right corner</b> <b>TW = Two Monitor</b>	
<b>Group ID of all machines <u>should be the same.</u></b>	

## Main PC and sub PCs

The main PC is Cabinet ID 3 and the sub-PCs are Cabinet ID 1&2.

Cabinet ID : 1	Sub PC
Cabinet ID : 2	Sub PC
Cabinet ID : 3	Main PC

## TVPC, VRPC1 and VRPC2

In “Title Screen”, the Left & Right monitors show the contents of **TVPC** (main PC).  
After entering the game, the PiP in the upper left and right corners shows the contents of **VRPC1** (sub PC) and **VRPC2** (sub PC).



**Network Setup Procedures:**

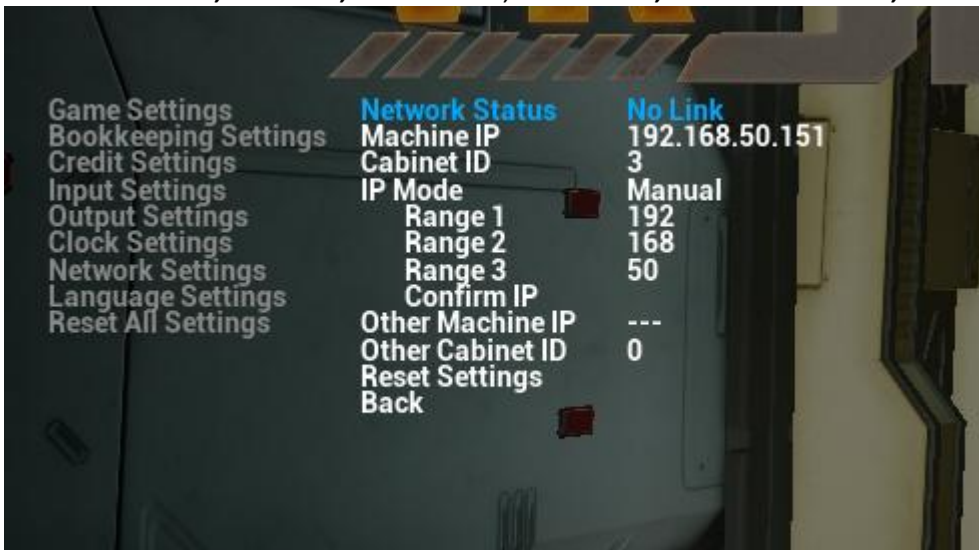
1. Please use the button which in green box position to do the setup.



2. Enter **AO** --> **Network Setting:**

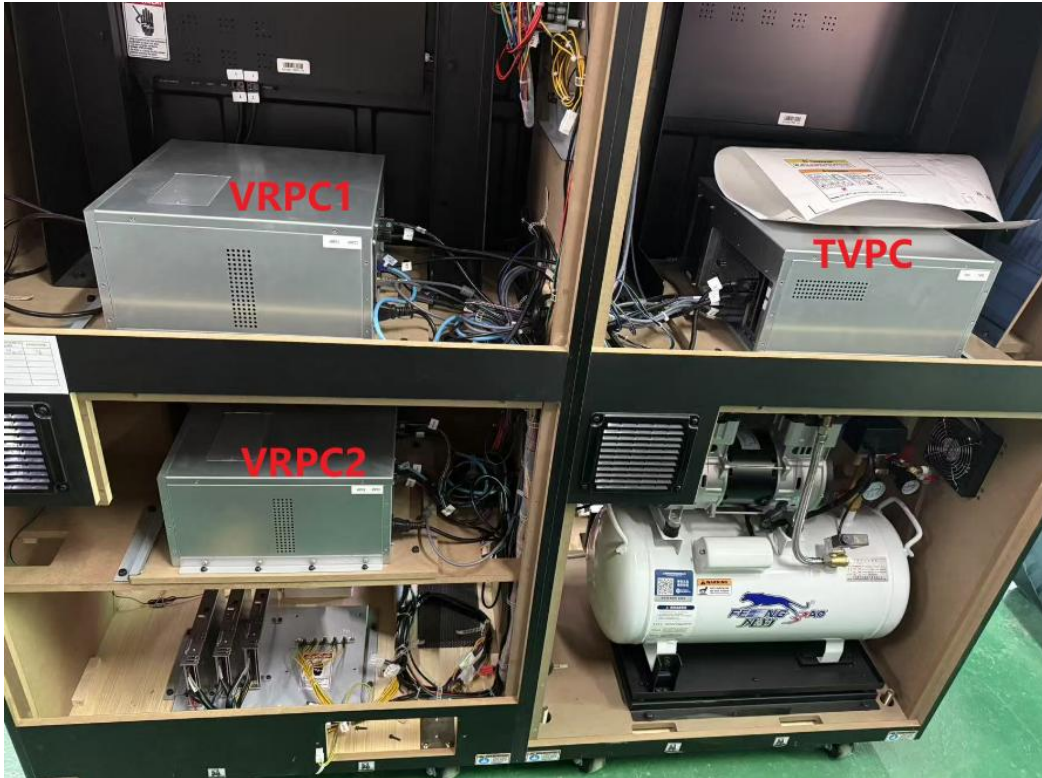
-Network information:

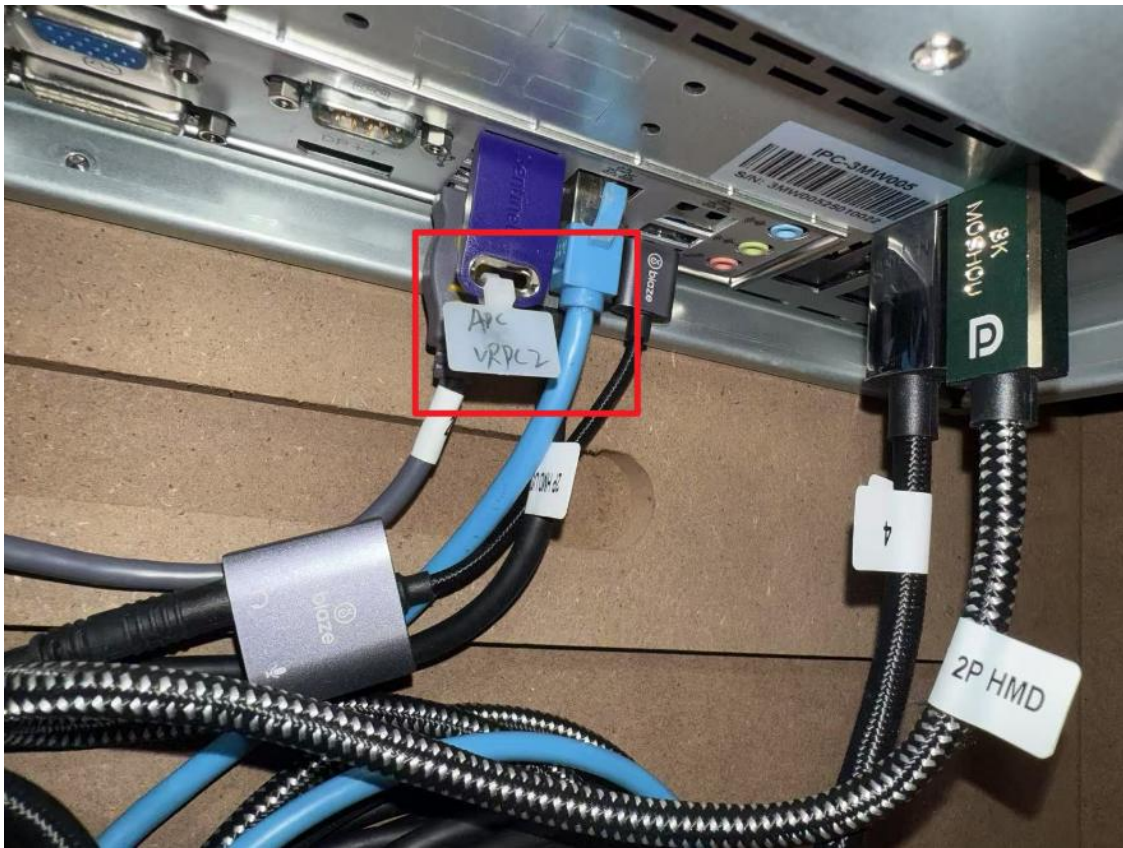
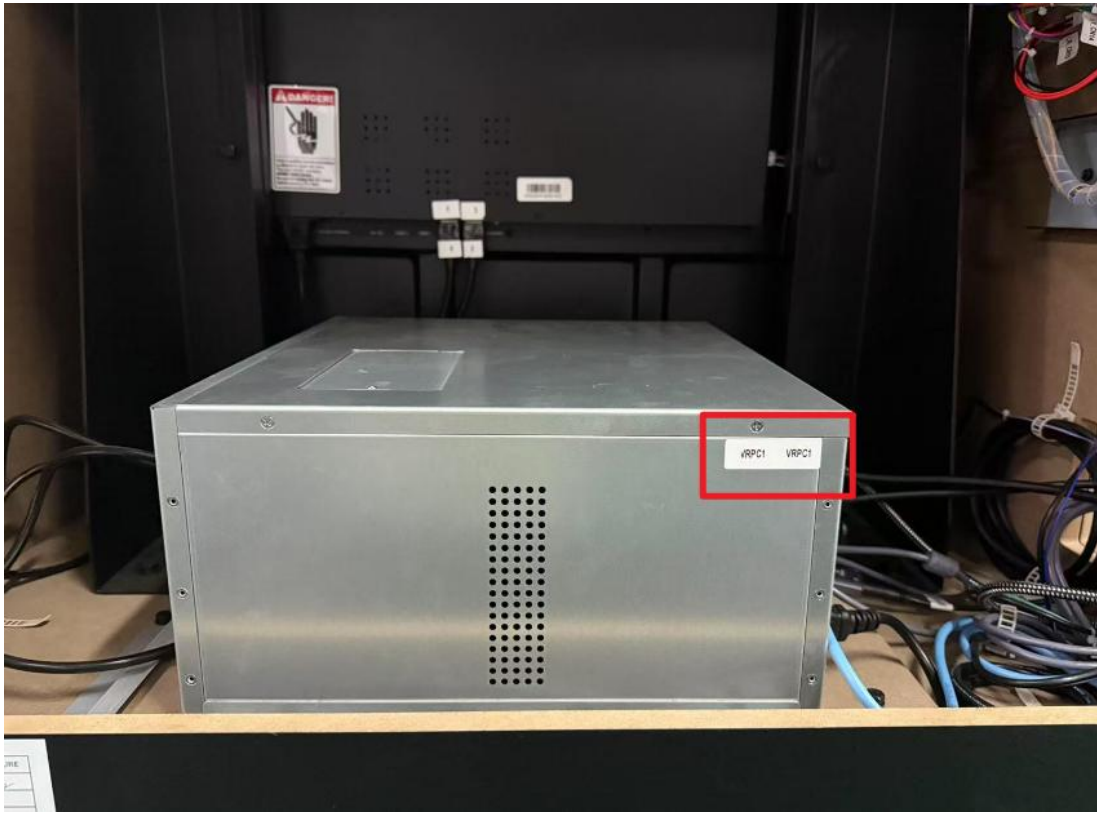
**NetWork Status, IP Mode, Machine IP, Cabinet ID, Other Machine IP, Other cabinet ID.**

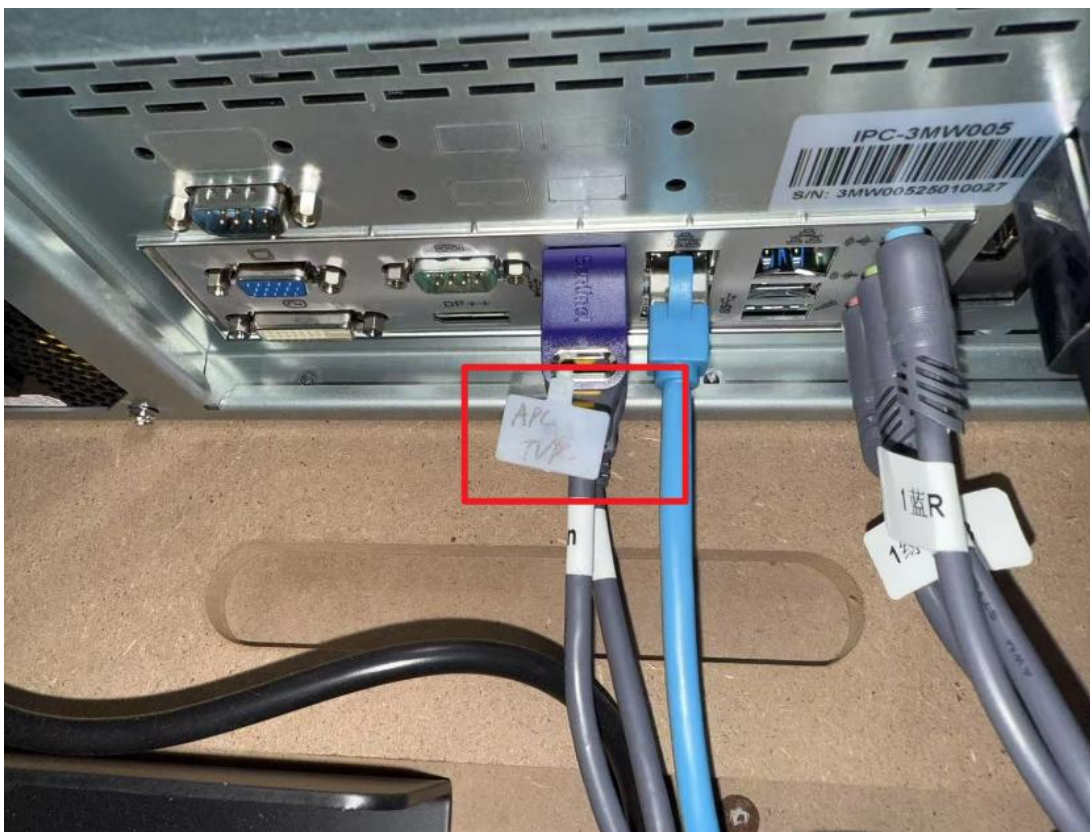


3. To set **Cabinet ID**:

Insert the dongle with the corresponding tag into the corresponding host, and the game's Cabinet ID will be set automatically.





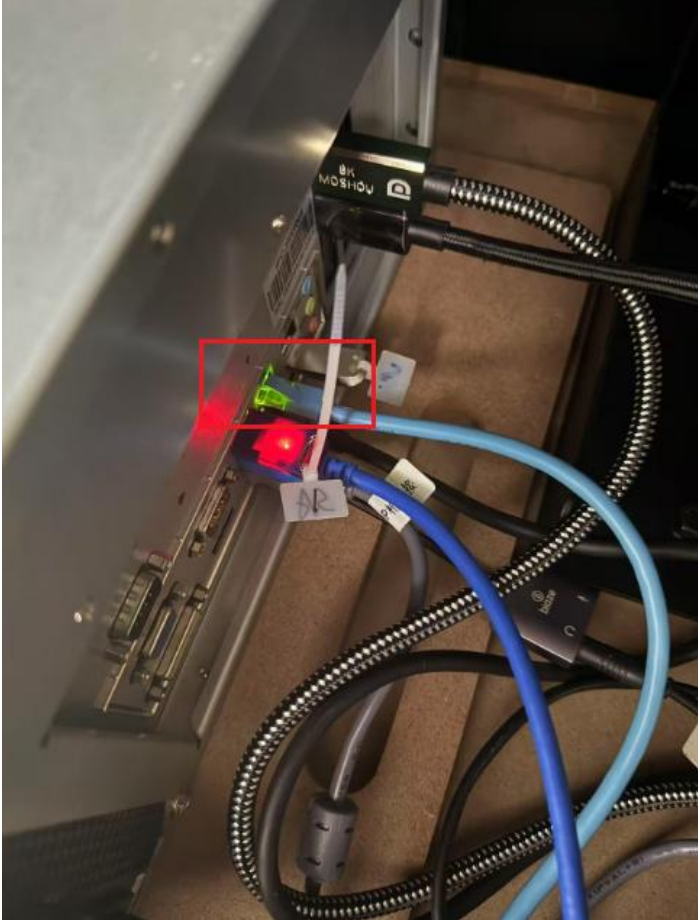




# Network Settings - Troubleshooting

## Case 1: No Link / Link 1 Cab



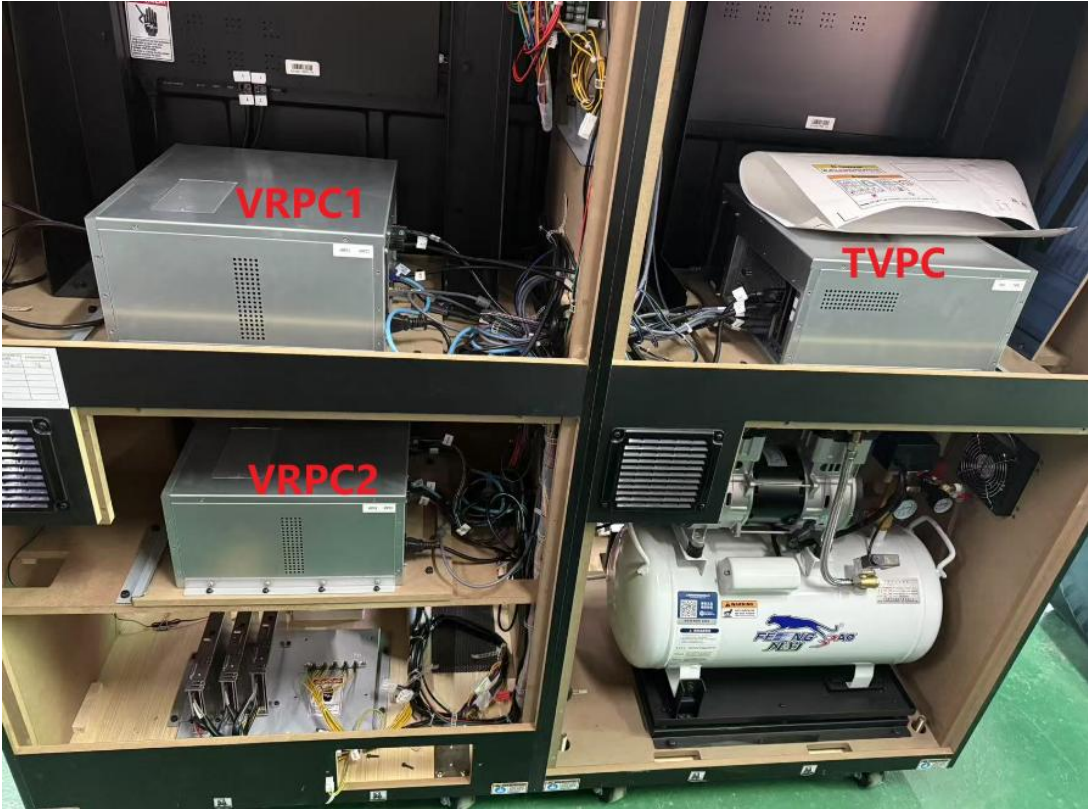
<b>Situation</b>	TVPC Shows No link/ Link 1 Cab in AO menu-->Network Settings
<b>Cause</b>	Three hosts are connected to each other by a switch. This condition occurs when the network ports on the hosts are not tightly connected or the network ports on the switch are not tightly connected
<b>Solution</b>	<p><b>Solution :</b></p> <ol style="list-style-type: none"><li>1. Check whether the network cables of the three hosts are loose. If the network cable is properly connected, the light on the network port will flash normally.</li></ol>  <p>The photograph shows a close-up of network ports on a device. A red box highlights a specific port where a network cable is plugged in. A red light is visible next to the port, indicating a connection status. Other cables and ports are visible in the background.</p>

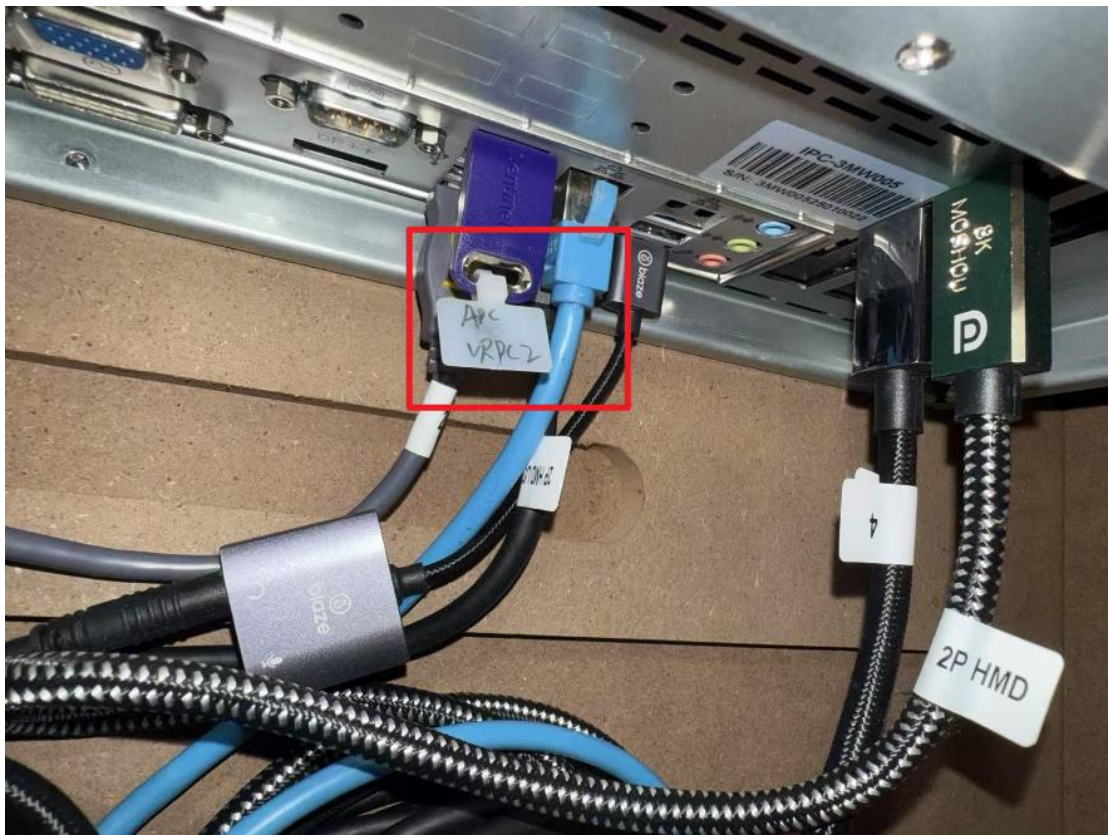
2. Check whether the network cables in the switch are loose.  
If the network cable is properly connected, the light on the network port will flash normally.

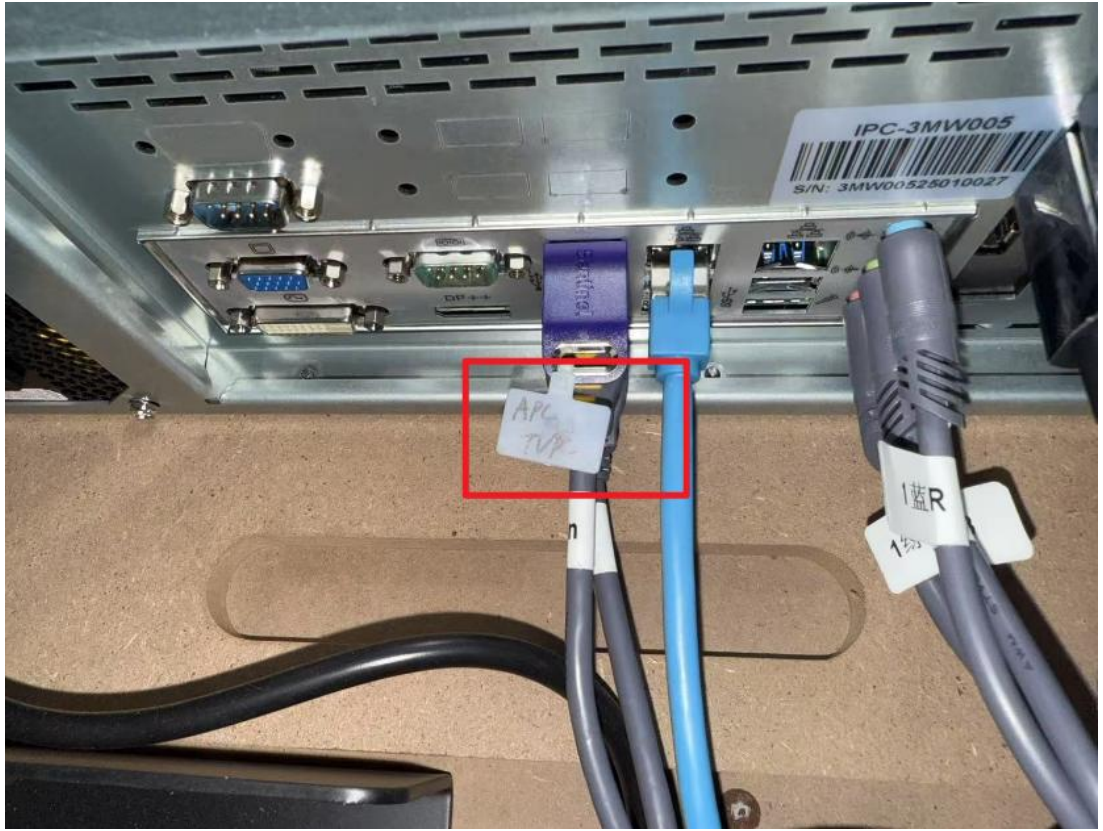


## Case 2: Cabinet ID Error



<b>Situation</b>	Monitor shows "Cabinet ID Error"
<b>Cause</b>	The Cabinet ID is determined by Dongle, and if the wrong Dongle is used, the Cabinet ID error is displayed
<b>Solution</b>	<p><b>Solution :</b></p> <p>Ensure the dongle is correctly connected to the corresponding host according to the labels</p>  A photograph showing the interior of a game cabinet. There are four machines visible. The top-left machine is labeled "VRPC1" in red. The top-right machine is labeled "TVPC" in red. The bottom-left machine is labeled "VRPC2" in red. The bottom-right machine is a white air compressor with a blue and red logo. The cabinet is open, showing various cables and components.





### 3.4.8 Language Settings



Enter **[Language Settings]**, you can set the following items:

Setting Items	Setting Content
Language	English
Reset Settings	Reset
Back	Back

### 3.4.9 Reset All Settings



On the "**Reset All Settings**" page, you can reset all settings to the factory settings.

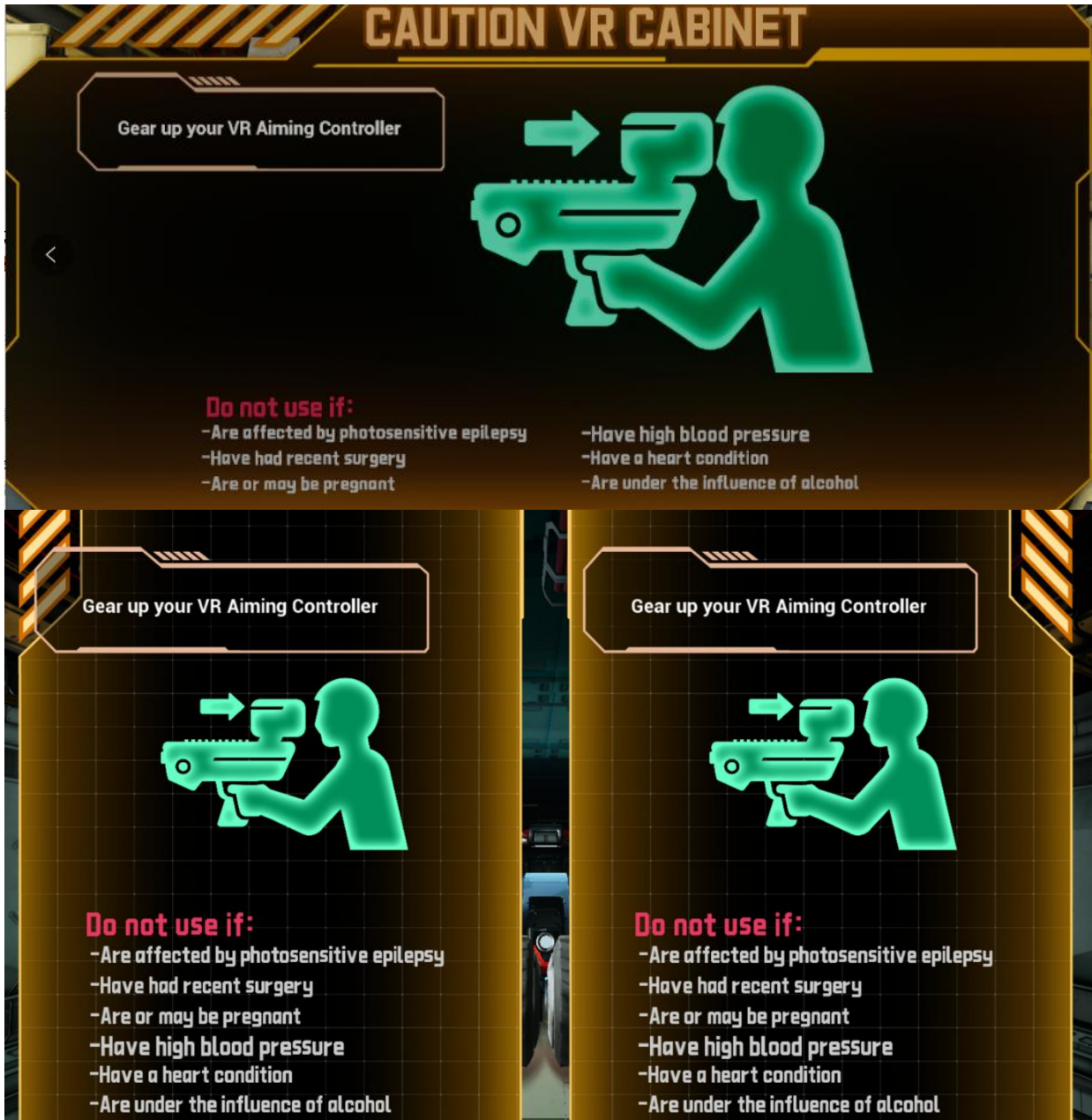
1. Select [**Reset All Settings**] and press the [**OPTION Cycle/SELECT**] button to restore all the settings in the arcade to the default values.

At the same time, all the records in the arcade will be cleared.

# 4. Warnings & Errors with Troubleshooting

## 4.1 Warnings with Troubleshooting

- **ATTENTION:** Gear up your VR Aiming Controller.



<b>Cause</b>	This warning occurs when player enter the game. This is normal.
--------------	---

## 4.2 Errors with Troubleshooting

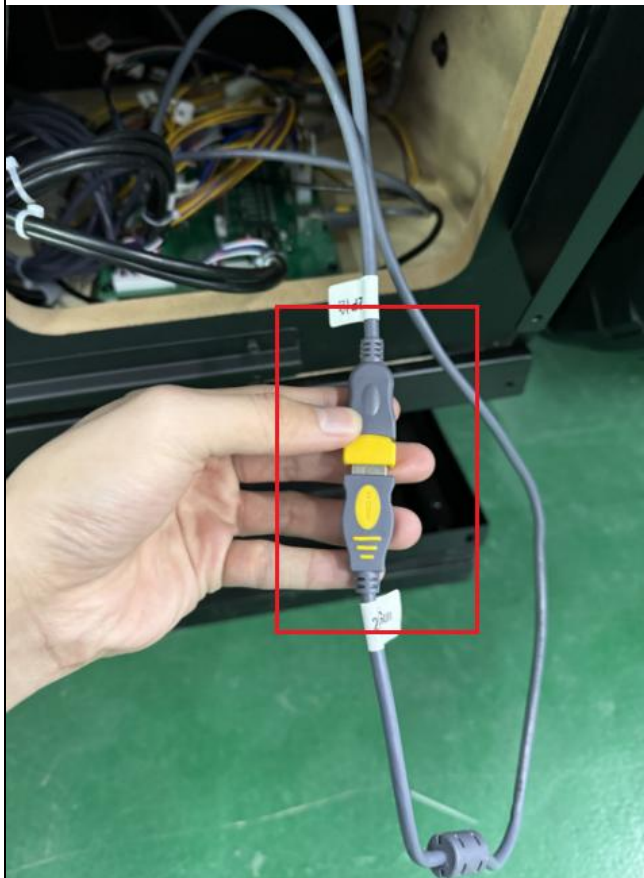
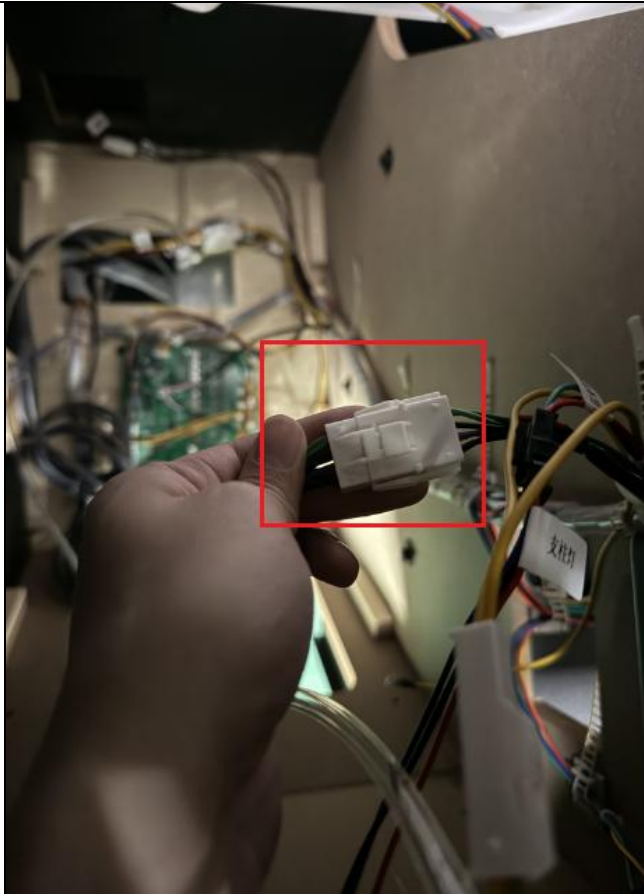
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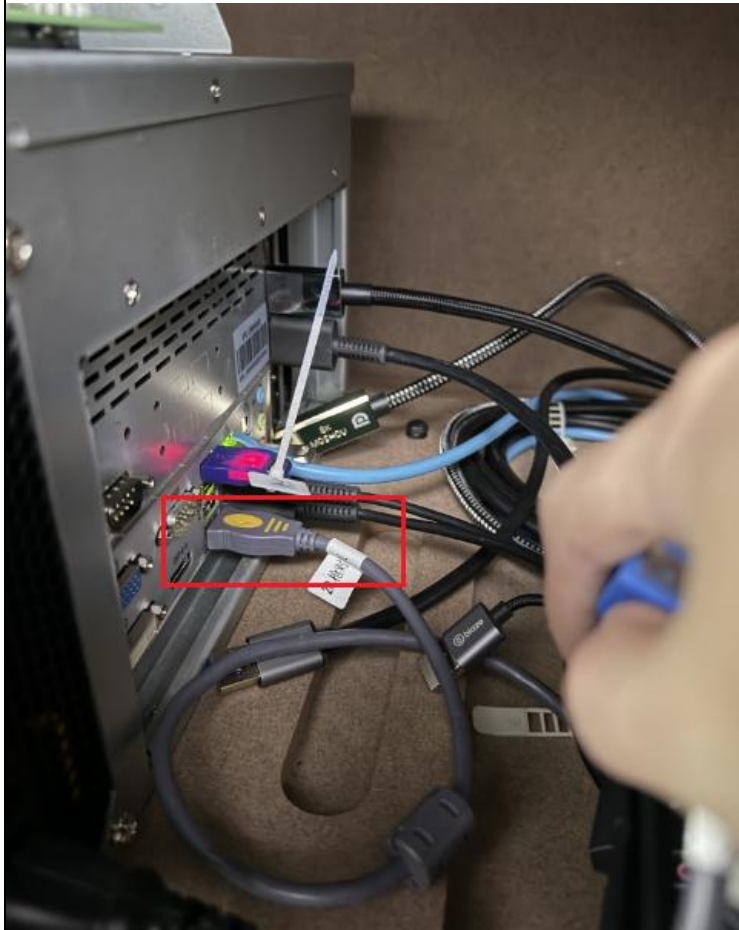
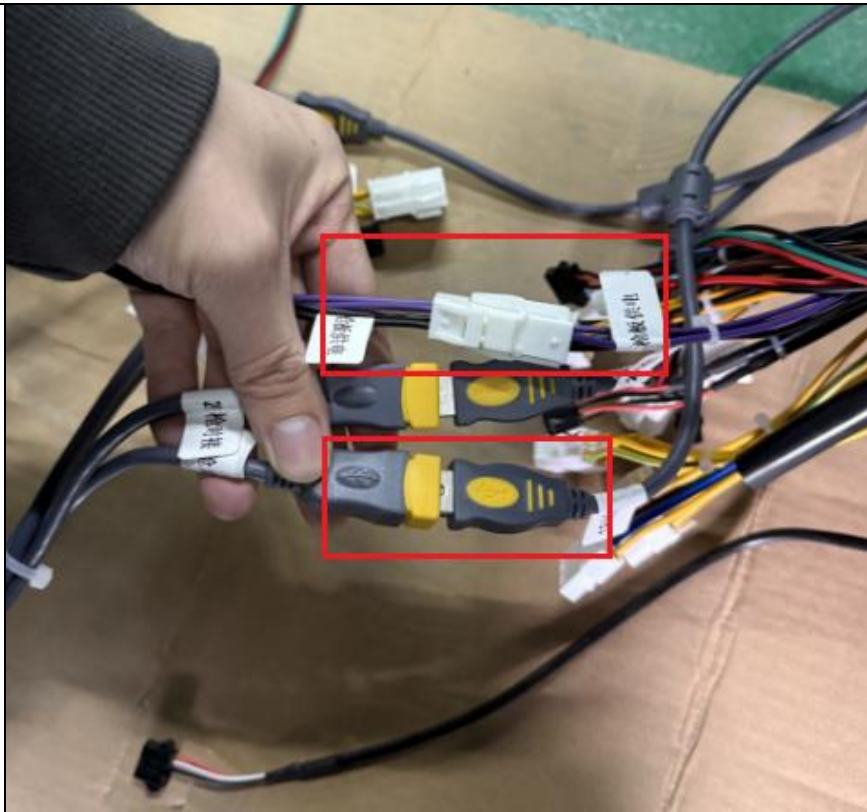
- Gun Connection Error



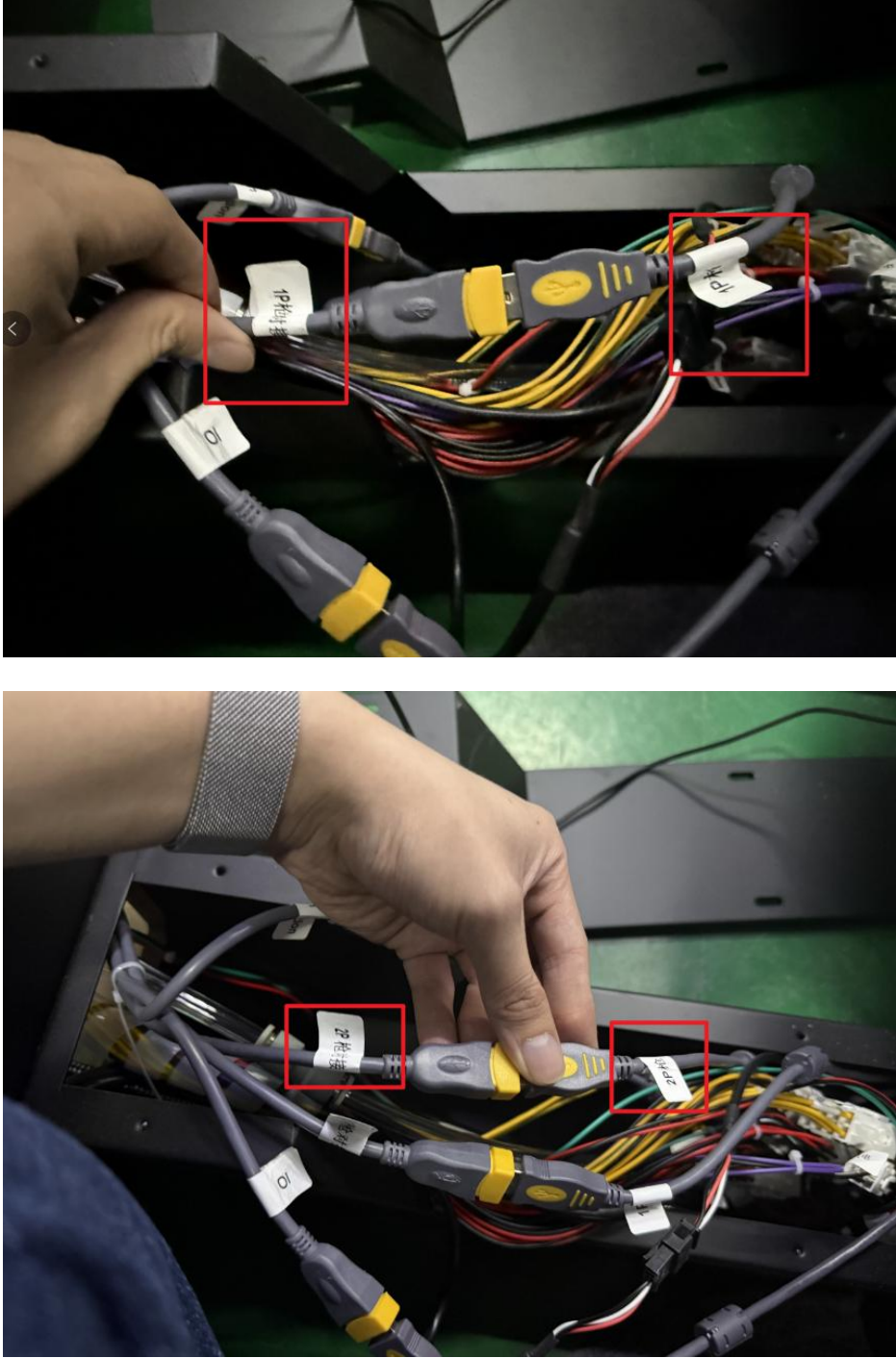
### Gun Connection Error-Case 1

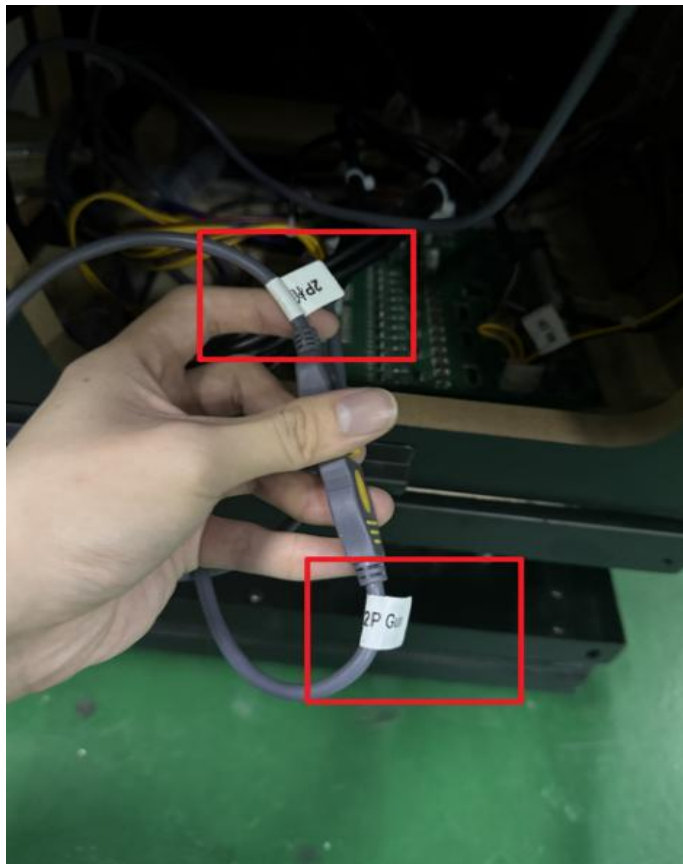
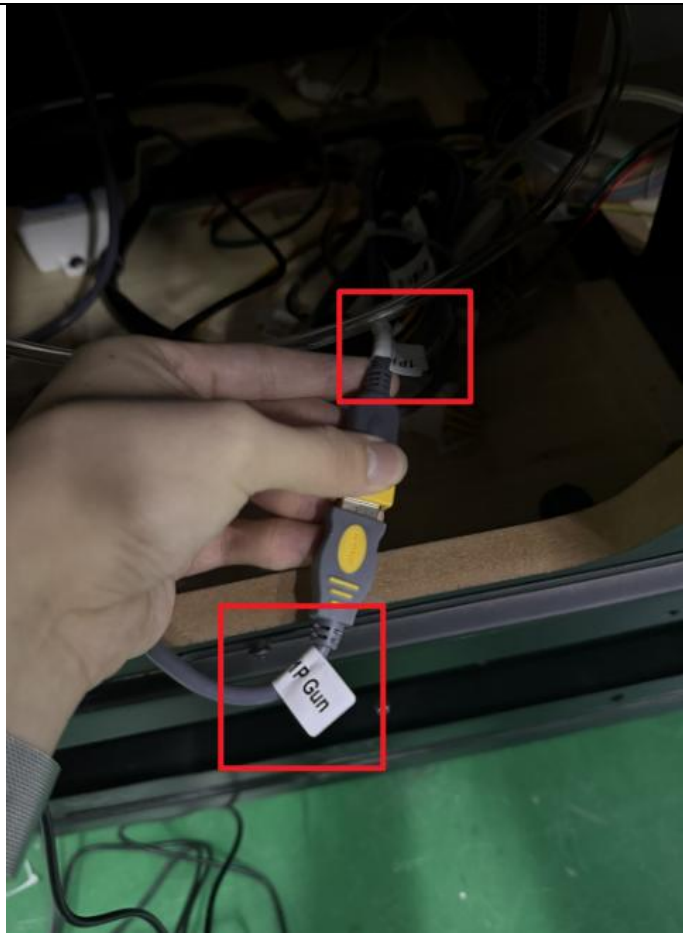
<p><b>Troubleshooting Solution</b></p>	<p>Please check if the cables of the Gun (power cable and USB cable) are well connected.</p>  A photograph showing a person's hand holding a bundle of cables connected to a blue machine. A red rectangular box highlights the connection points of the cables, including a power cable with a yellow and black connector and a multi-colored USB cable. The background shows a workshop or arcade setting with shelves and other equipment.
--	--





## Gun Connection Error-Case 2

<b>Situation</b>	By pressing 1P's gun button,2P players will react accordingly. Press the 2P gun button, and 1P players will react accordingly.
<b>Troubleshooting Solution</b>	<p>Please check that the gun USB at each location in the figure below is properly connected.</p>  <p>The top photograph shows a hand holding a grey USB cable with a yellow gun button. The cable is plugged into a port. Two red boxes highlight the USB connector and the gun button. The bottom photograph shows a hand holding a similar USB cable, also plugged into a port. Two red boxes highlight the USB connector and the gun button.</p>



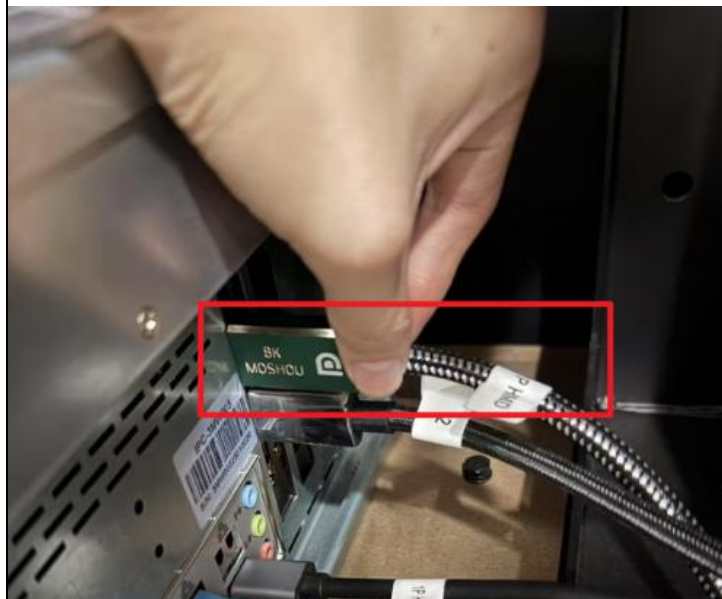
- VR HMD Connection Error



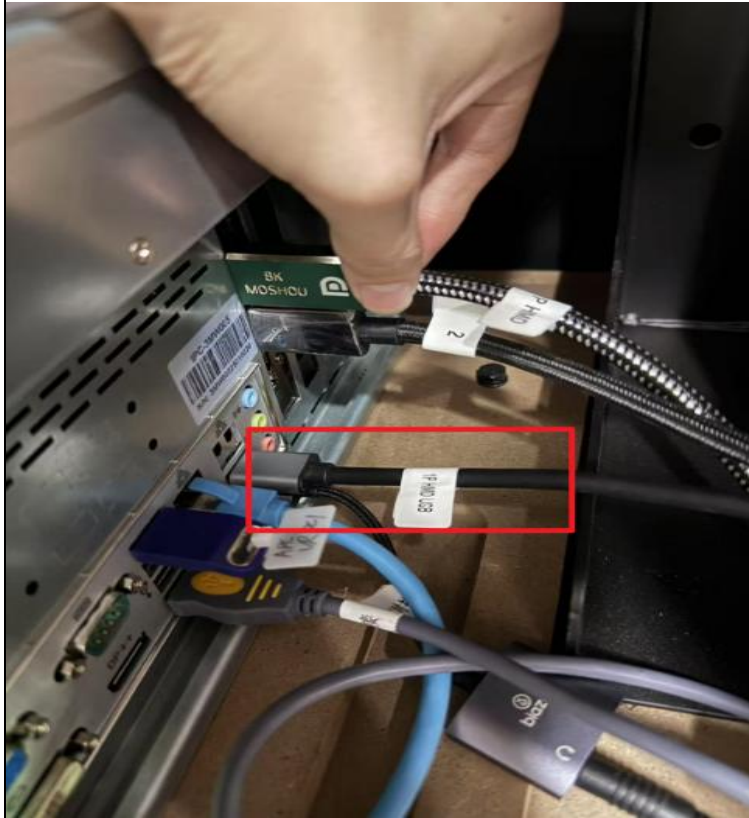
**Troubleshooting Solution**

Please check if all the cables of the VR HMD are well connected.

PC display card DP Cables:



### PC USB 3.0 Cables:

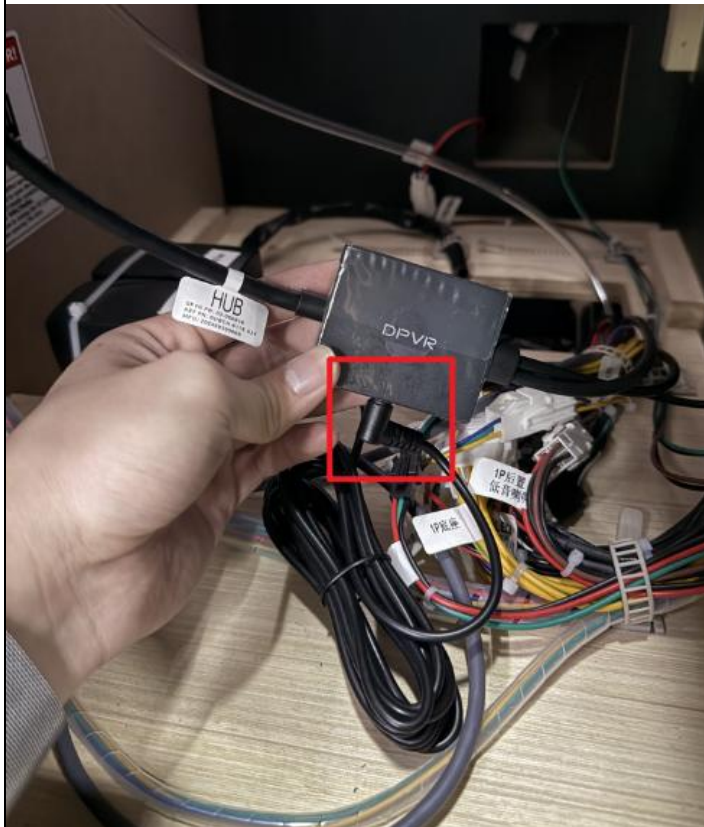


### DP & USB 3.0 Cables:

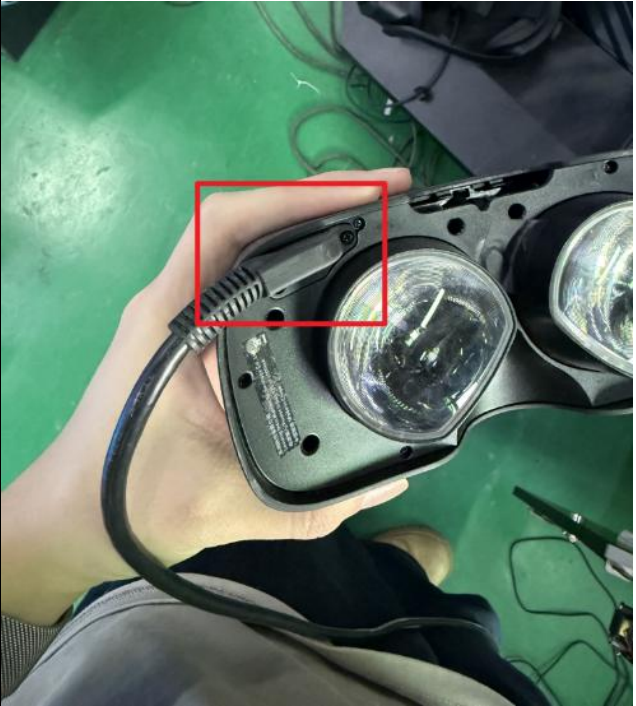
Please note that not to mix the GUN USB cable (USB 2.0) and HDM USB cable (USB 3.0) up.



Power Cables:



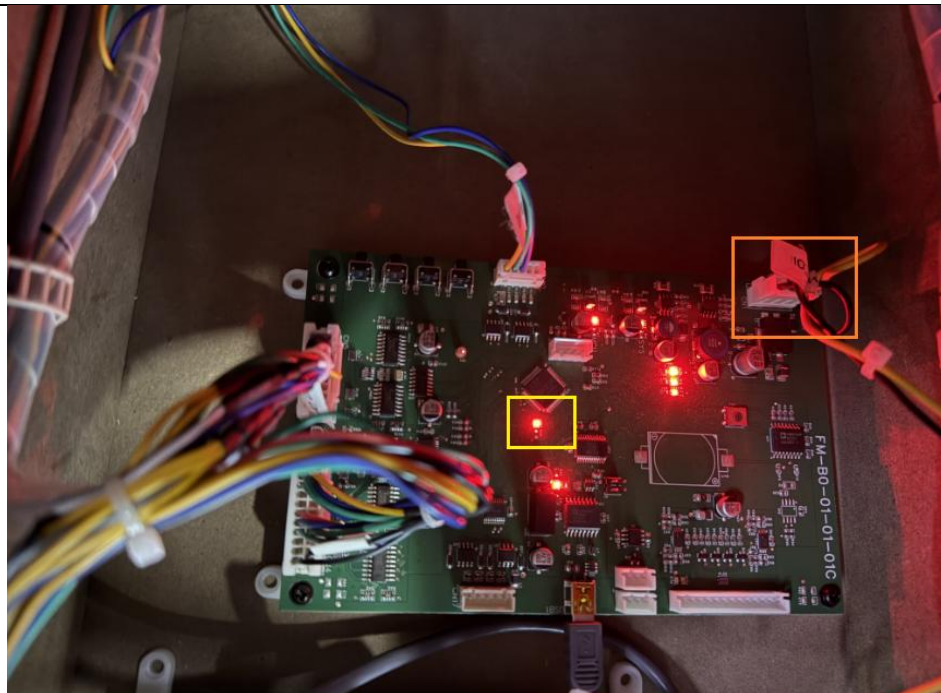
Headset Cables:



- I/O Connection Error



**Troubleshooting  
Solution**



1)

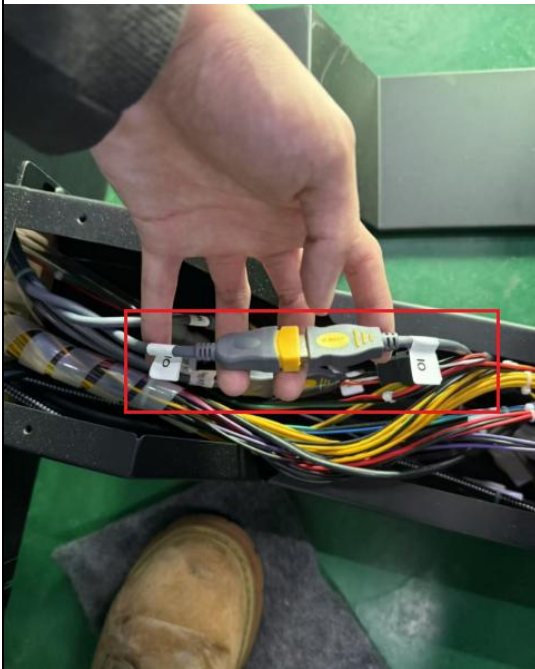
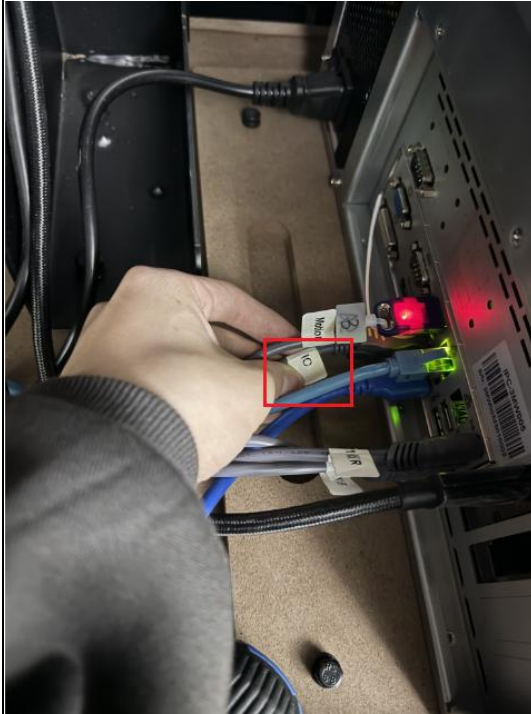
Firstly, please check whether the LED in the yellow circle in the above picture is blinking.

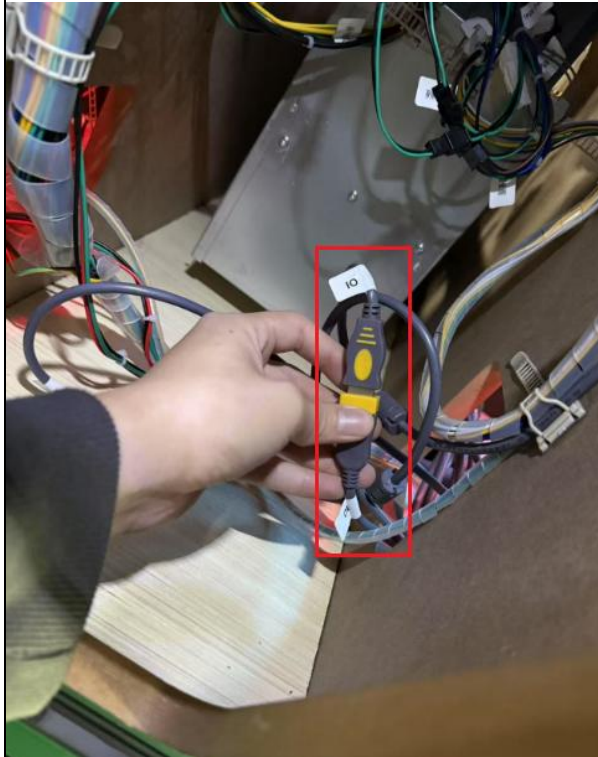
If it doesn't flash, please make sure that the 12V power supply at the orange square is normal and is not loose.

If the power supply is normal and the LED does not flash, it means there is a problem with the IO board and it is needed to be repaired.

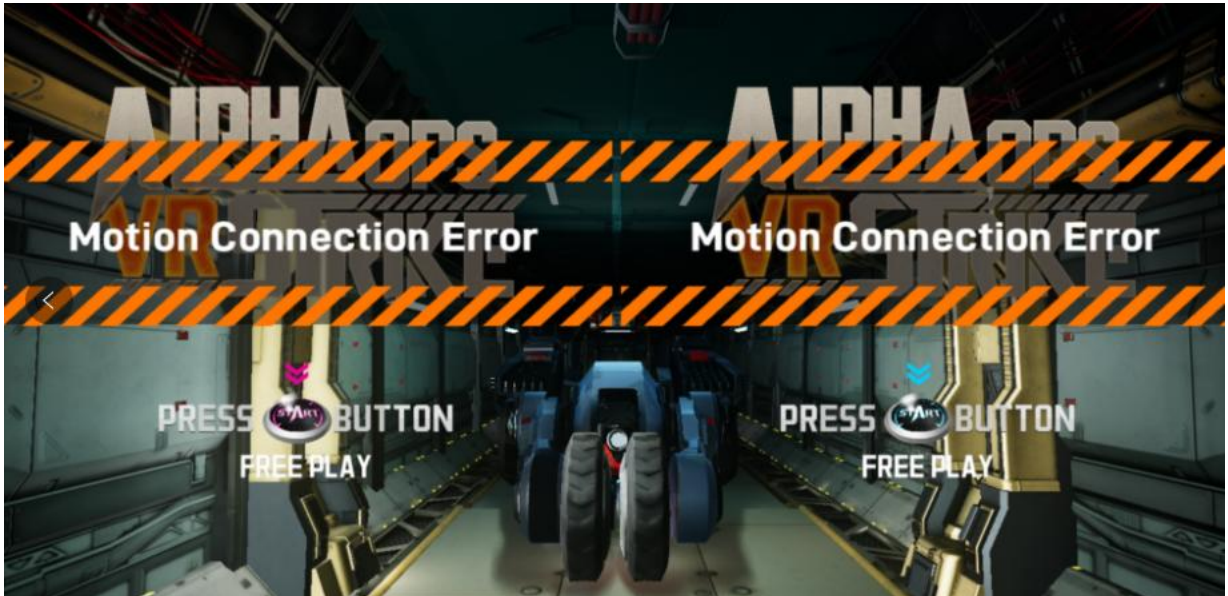
2)

Please check whether the IO USB cable is securely connected to the TVPC



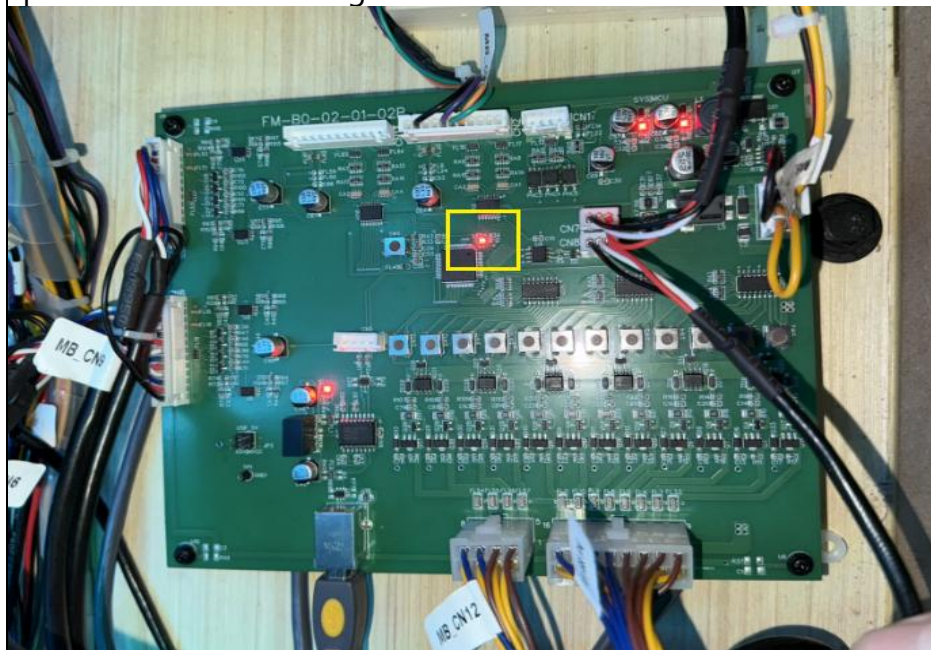


- Motion Connection Error



**Troubleshooting Solution**

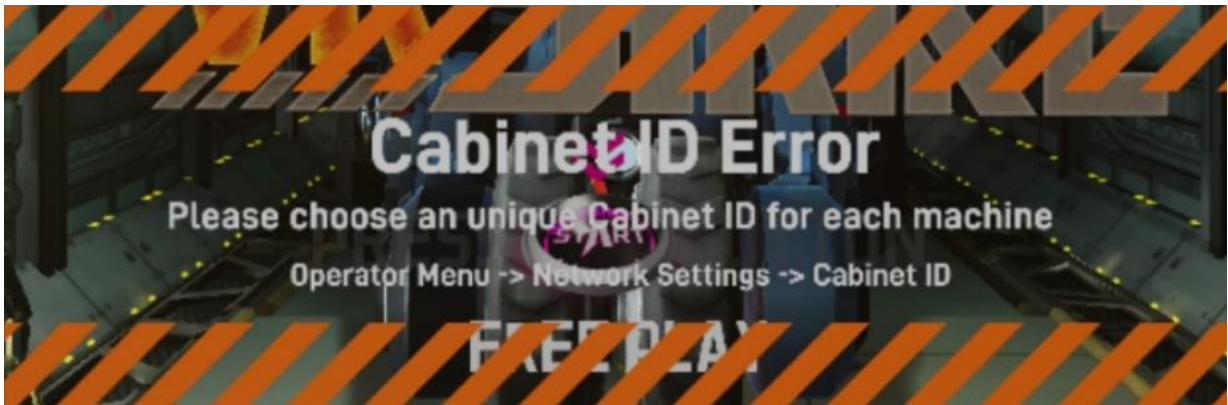
Firstly, please check whether the LED light in the yellow box in the picture below is blinking.



If the light is flashing quickly, check that the USB cable connected to the Motion board is loose.



- **Cabinet ID Error**



**(Please refer to the detailed information on P.78 - Case 2: Cabinet ID Error from Network Settings-Troubleshooting)**


- Dongle Connection Error

**Situation**


Below is the correct visual of the screen when starting a game. Note the player left and right position in the vehicle and garage.



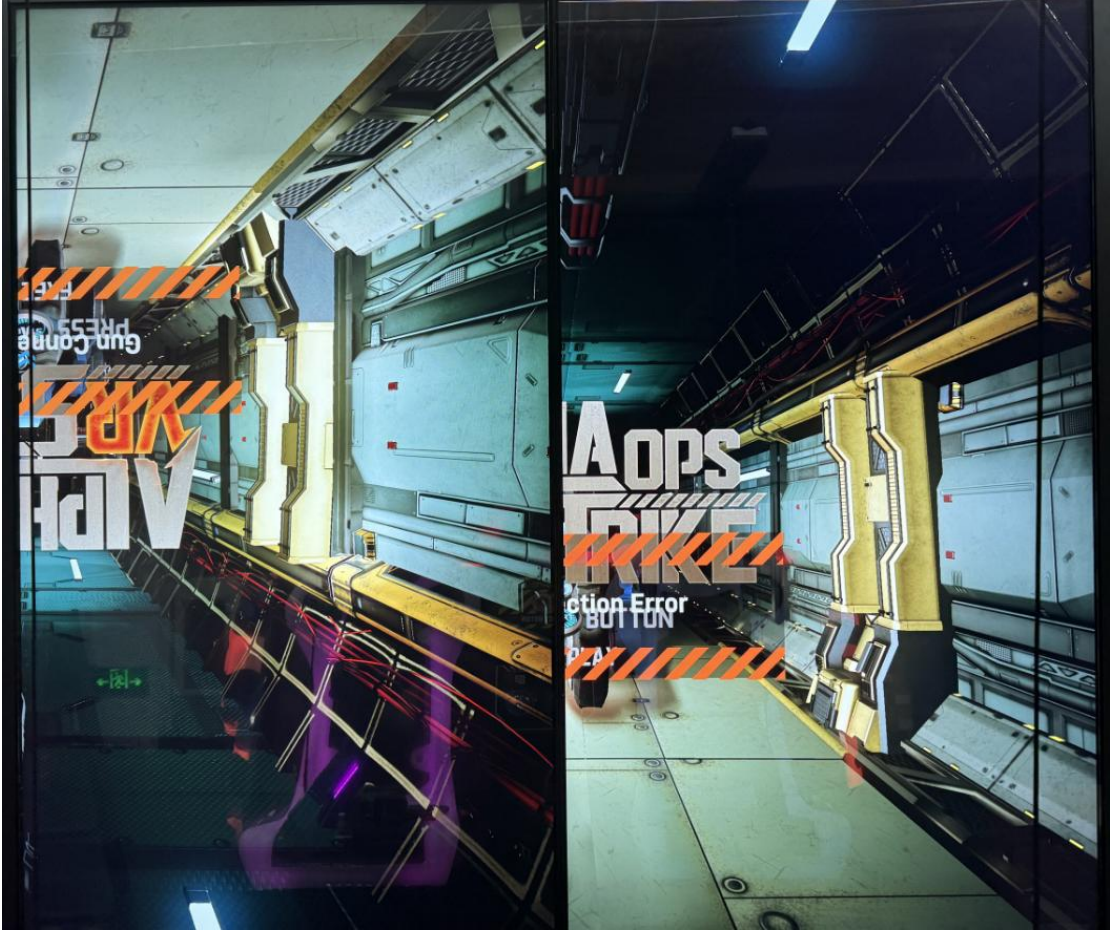
## Dongle Connection Error-Case 1

<b>Situation</b>	<p>The PiP screen in the green box below is inverted.</p> 
<b>Troubleshooting Solution</b>	<p>In this case, VRPC1 dongle is connected to VRPC2, and VRPC2 dongle is connected to VRPC1.</p> <p>Ensure that dongle labeled VRPC1 is connected to VRPC1, dongle labeled VRPC2 is connected to VRPC2, and dongle labeled TVPC is connected to TVPC.</p>

## Dongle Connection Error-Case 2

<b>Situation</b>	<p>After opening the game, the screen shows the following image</p>  <p>The image shows a first-person view from the game 'Alpha Ops VR Strike'. The player is in a futuristic, industrial environment with yellow and blue lighting. In the center of the screen, there is a large, stylized title 'ALPHA OPS VR STRIKE' with orange and black diagonal stripes. Below the title, a red error message reads 'Gun Connection Error' with 'PRESS [button] BUTTON' and 'FREE PLAY' below it. The background shows a long, narrow corridor with various equipment and panels.</p>
<b>Troubleshooting Solution</b>	<p>In this case, VRPC1 dongle is connected to TVPC. Ensure that dongle labeled VRPC1 is connected to VRPC1, dongle labeled VRPC2 is connected to VRPC2, and dongle labeled TVPC is connected to TVPC.</p>

## Dongle Connection Error-Case 3

<b>Situation</b>	<p>After opening the game, the screen shows the following image</p> 
<b>Troubleshooting Solution</b>	<p>In this case, VRPC2 dongle is connected to TVPC. Ensure that dongle labeled VPRC1 is connected to VRPC1, dongle labeled VRPC2 is connected to VRPC2, and dongle labeled TVPC is connected to TVPC.</p>

# 5. Maintenance and Service

## 5.1 Maintenance and Service

### WARNING

- When working with the product, be sure to turn the power off. Working with the power on may cause an electric shock or short circuit.
- Be careful not to damage the wires. Damaged wires may cause an electric shock, short circuit or present a risk of fire.
- Do not touch any parts that are not specified in these directions. Touching unspecified locations may lead to electric shock or cause short circuits.
- This work should be performed by site maintenance personnel or other skilled professionals. Work performed by non-technical personnel can cause a severe accident such as an electric shock.
- Exercise due caution in performing soldering procedures. If soldering iron is handled carelessly, there could be fires or burns.
- Proceed very carefully when heating thermal contraction tube. Careless operations can result in fires or burns.

### CAUTION

- When fastening plastic parts, be careful not to tighten screws and nuts excessively. Otherwise parts may be damaged, resulting in injuries from fragments, etc.
- Be careful not to get hand or finger caught when removing or attaching the parts.
- Disconnection and connection of connectors will be performed within the narrow cabinet space. Take due care not to scratch or otherwise injure yourself.
- Take care when carrying the removed Control Units. Such heavy lifting carries a risk of injury to back or shoulders.

### IMPORTANT

- After the volume has been replaced, be sure to set the volume value on the test mode calibration screen and the input test screen and check variations in the volume value
- After adjusting or replacing a microswitch, always check ON/OFF of the switch on the input test screen of the test mode
- Handle parts inside the Control Unit very carefully. Be especially careful to avoid damage, deformation or loss of these parts. If any one of these parts is lost or defective, it can result in damages and/or faulty operations

If the operability of the Control Unit is unsatisfactory, or if settings on the test mode calibration screen are ineffective, the problem could be a defective mechanism, displacement of the position where volume or microswitch has been fastened or malfunctioning of volume or microswitch.

Carry out the following procedure to replace Control Unit or microswitch. Also be sure to grease the mechanical components of the Control Unit once every 3 months.

## 5.2 Parts Replacement

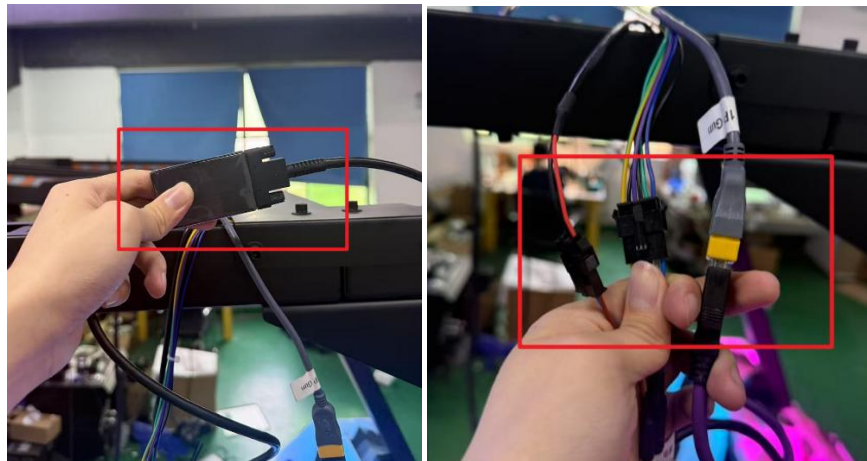
**NOTE:** Please turn the machine **OFF** before operating any parts replacement.

### 5.2.1 Replacement of Gun Assembly:

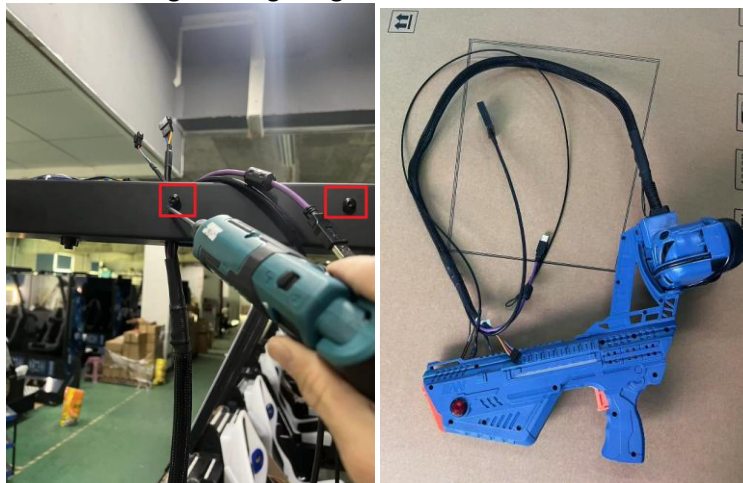
1) Remove the upper cover and case of beam.



2) Disconnect the below cables.



3) Remove the screws before removing the original gun.



4) Thread the gun sheet rope through the green hole in the following picture.



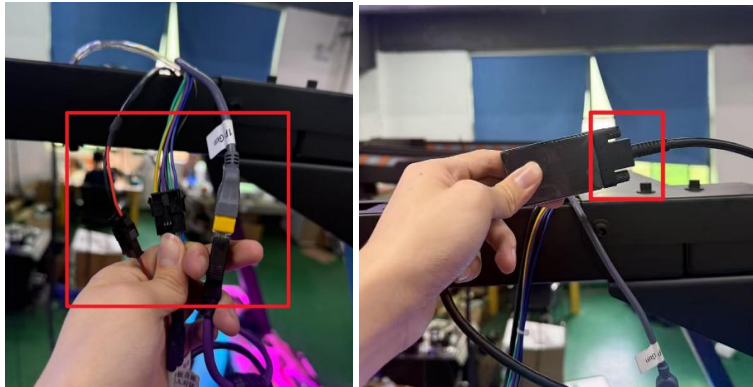
5) Thread the gun ASSY wires through the yellow hole in the following picture.



6) Secure the wire rope and harness of the gun in place.



7) Connect the wires and tighten the cable fixing head in the figure below.



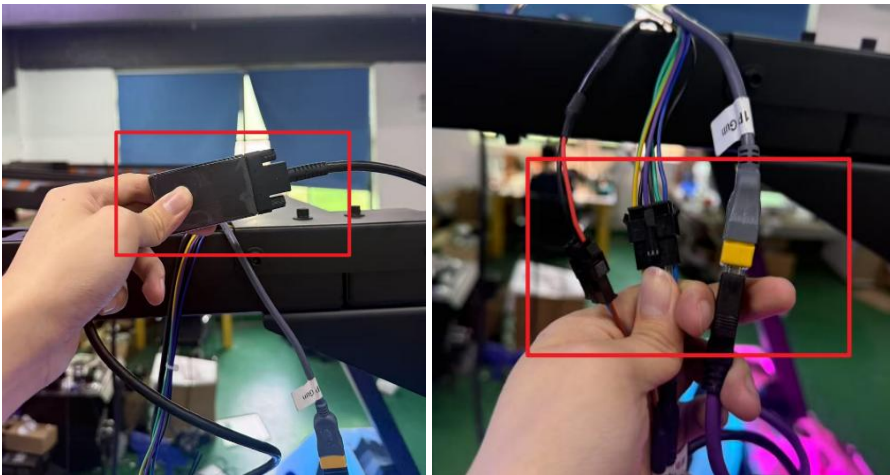
8) Fix the upper cover and case to the beam.

## 5.2.2 Replacement of Front HMD (Head-mounted Display) Cable:

1) Power-off, remove the upper cover and case of beam.



2) Disconnect the below wires.



3) Remove the screws of front cable WH for HMD.



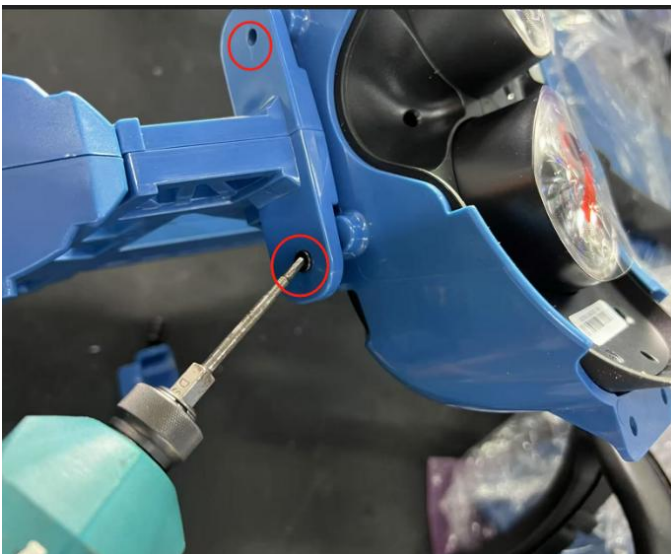
4) Remove the back cover of HMD



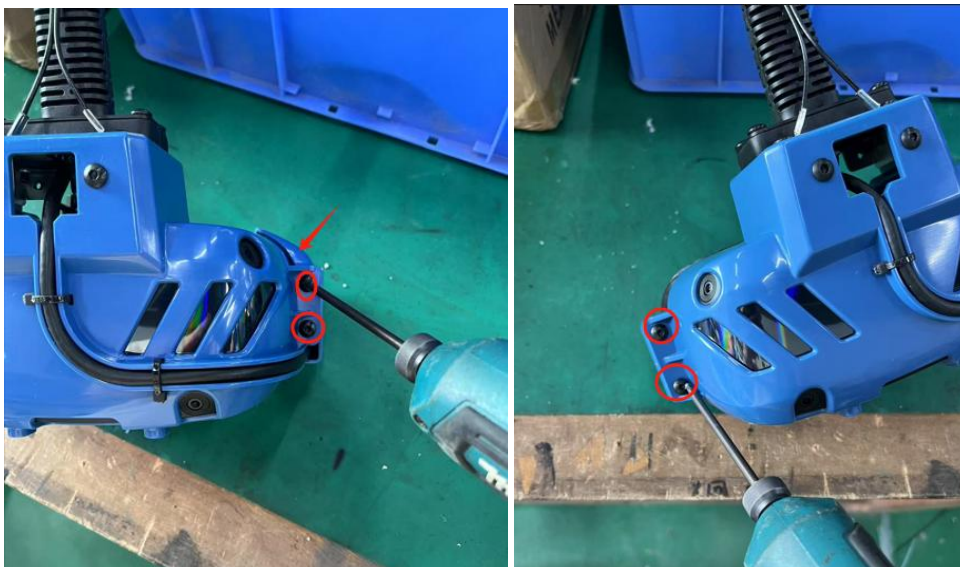
5) Disconnect the wires of gun



6) Remove the screws of HMD frame then remove the HMD ASSY



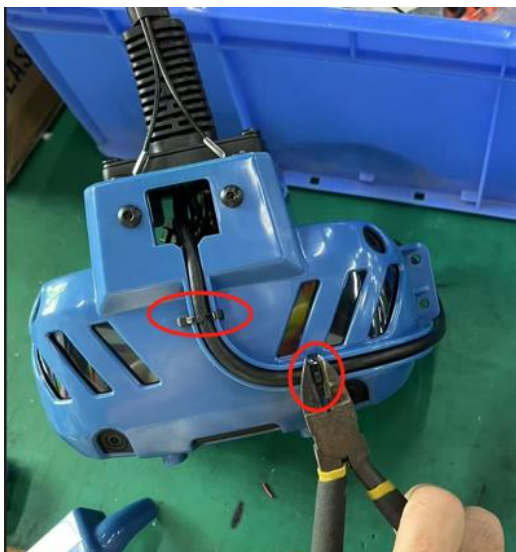
7) Remove the left & right limit.



8) Remove the mask of HMD



9) Cut off the cable tie strap



10) Remove the HMD cable from HMD



11) Replace the New HMD cable and reinstall it in reverse order.

### **5.2.3 Replacement of HMD (Head-mounted Display):**

1) Remove the back cover of HMD



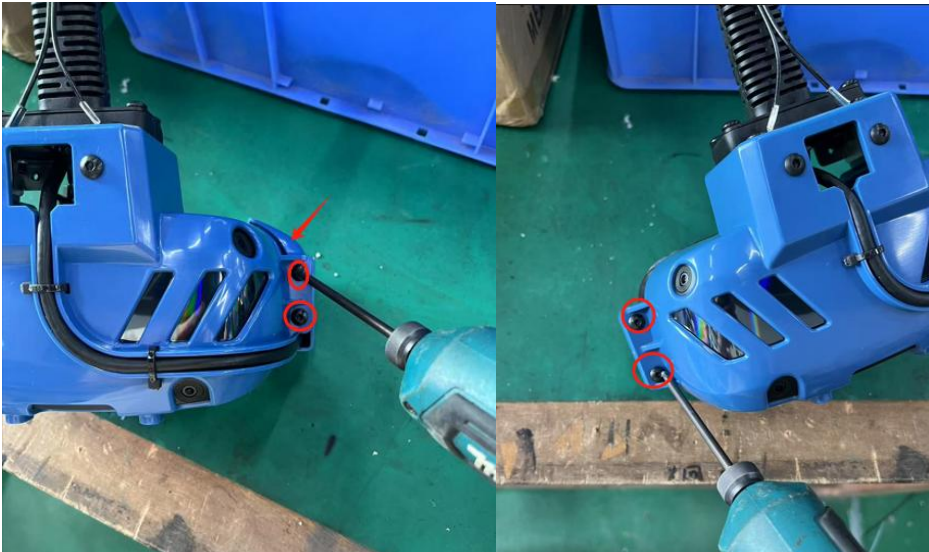
2) Disconnect the wires of gun.



3) Remove the screws of HMD frame then remove the HMD ASSY



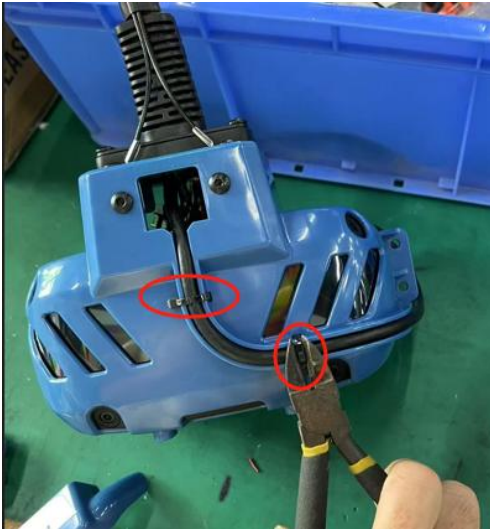
4) Remove the left & right limit.



5) Remove the mask of HMD



6) Cut off the cable tie strap



7) Remove the HMD cable from HMD



8) Remove the HMD from the frame



9) Replace the New HMD cable and reinstall it in reverse order.

## 5.3 Air Compressor Maintenance Guide

As with all air-driven motion games, the compressor and general air circuit requires semi-regular maintenance. This guide is to be used to ensure your game stays in A1 condition:

### 5.3.1 Air Connections:

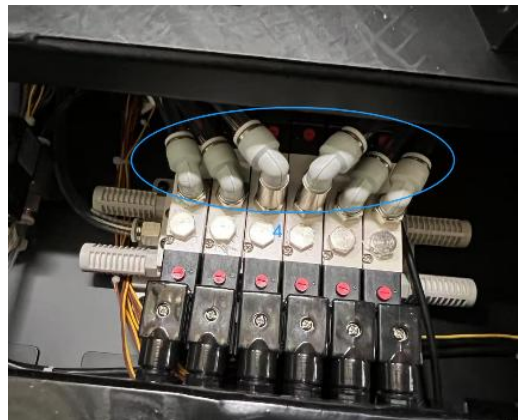
Check the inlet and outlet pipes to ensure they are all secure and show no signs of damage or wear.

Position	Name
1	Outlet valve
2	Gas Source unit (Input and output connections)
3	Drain valve input
4	Input and Output control valves



It is also prudent to check that there is no water in the output tubes between the compressor, gas source and control valves.

**NOTE:** Only the drain valve should contain water residue.



## 5.3.2 Drain Valve:

### Drain Valve:

Check the proper operation of the drain valve.

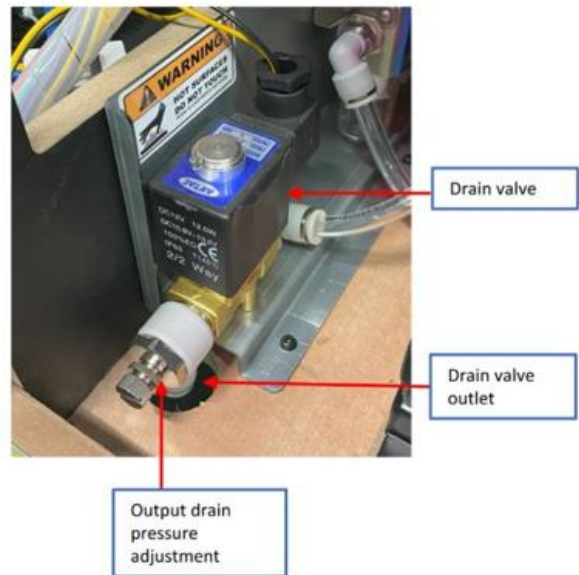
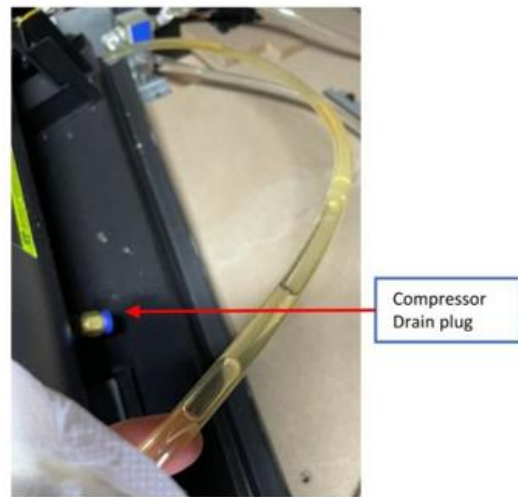
- Remove the 2x 13mm hex fixings from the compressor plate and pull the compressor out and turn it 90 degrees to access the back.
- Check the pipe is connected securely into the drain plug at the base of the compressor and at the drain valve to the left of the compressor.
- The drain valve should have a 12v supply and will be hot under normal operation.
- When the power is turned off to the game, the drain valve should open, and air should expel from the valve into the water tray below.
- When the game is turned ON, this valve will also open for Approx. 5 seconds to clear any residue from the tank.
- There is an adjustment to the valve that can attenuate the output pressure of the air from the compressor tank to the output tray.
- To increase the output pressure, loosen the locking nut, and turn the screw adjustment counter-clockwise until the desired pressure is set. Now close the locking nut so it is secure.

### NOTE:

Only the drain valve should contain water residue.

If the compressor expels a lot of water into the tray, or the tube seems to have more corroded water than normal, you may have to remove the compressor and drain the tank manually by removing the plug in the base and tipping the compressor on its side.

**Warning:** Before removing the compressor, ALWAYS ensure the tank is empty of air by checking the regulated pressure gauge.



### 5.3.3 Compressor Pressure:

It is paramount to correct operation and safety that the regulated tank and output pressures are correct.

- Power on the game and the compressor tank should charge to the regulated pressure of Approx 700kPa (7 BAR)



**WARNING:** If it goes past this and into the red then turn game OFF immediately and seek advice from Sega.

- The output pressure can be attenuated but should be around 300kPa (3 BAR) and no more than 500kPa (5 BAR)
- Use the Red dial on top of the gauge to increase and decrease the pressure noting the +/- markings.
- Ensure the stop valve works correctly.
  - Perpendicular to the outlet and pipe = Closed
  - In line with outlet and pipe = Open (Normal operation)



Regulated pressure<sup>Ⓔ</sup>



Output pressure dial<sup>Ⓔ</sup>

Output pressure<sup>Ⓔ</sup>



Output valve open/close lever.<sup>Ⓔ</sup>

↓  
Picture shows the valve in the open position.<sup>Ⓔ</sup>

To check this, turn the lever from the open position to closed and remove the outlet pipe from the coupling.

Please open the lever and check that air expels correctly from the compressor.

### **5.3.4 Electrical Checks:**

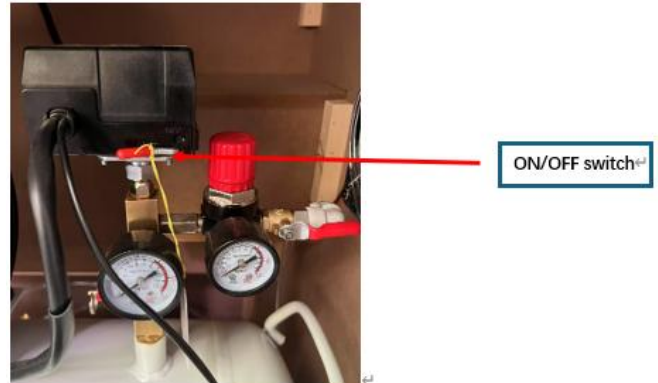
Compressors generate a lot of current which translates to heat, plus the motor will get hot, so regular checks of electrical connections and mechanical integrity is of upmost importance to safety and prolonged operation.

- Check that the ON/OFF pressure switch operates correctly.

are left for **ON** / Turn vertically for **OFF**

#### **Power OFF the Compressor:**

- Remove the screw in the top and lift off the lid to access the internal area of the pressure switch.
- Check that all terminals are tight using a crosshead screwdriver.



### **Final Checks:**

- Check the compressor motor casing for any cracks or wear
- Check there is no abnormal vibrations when the compressor is running
- Check that all connections between the motor and compressor housing are secure and not loose.
- Check all other bolts around the compressor.

If you have any concerns on the content of this guide, or have any other questions, please contact your local distributor for advice.

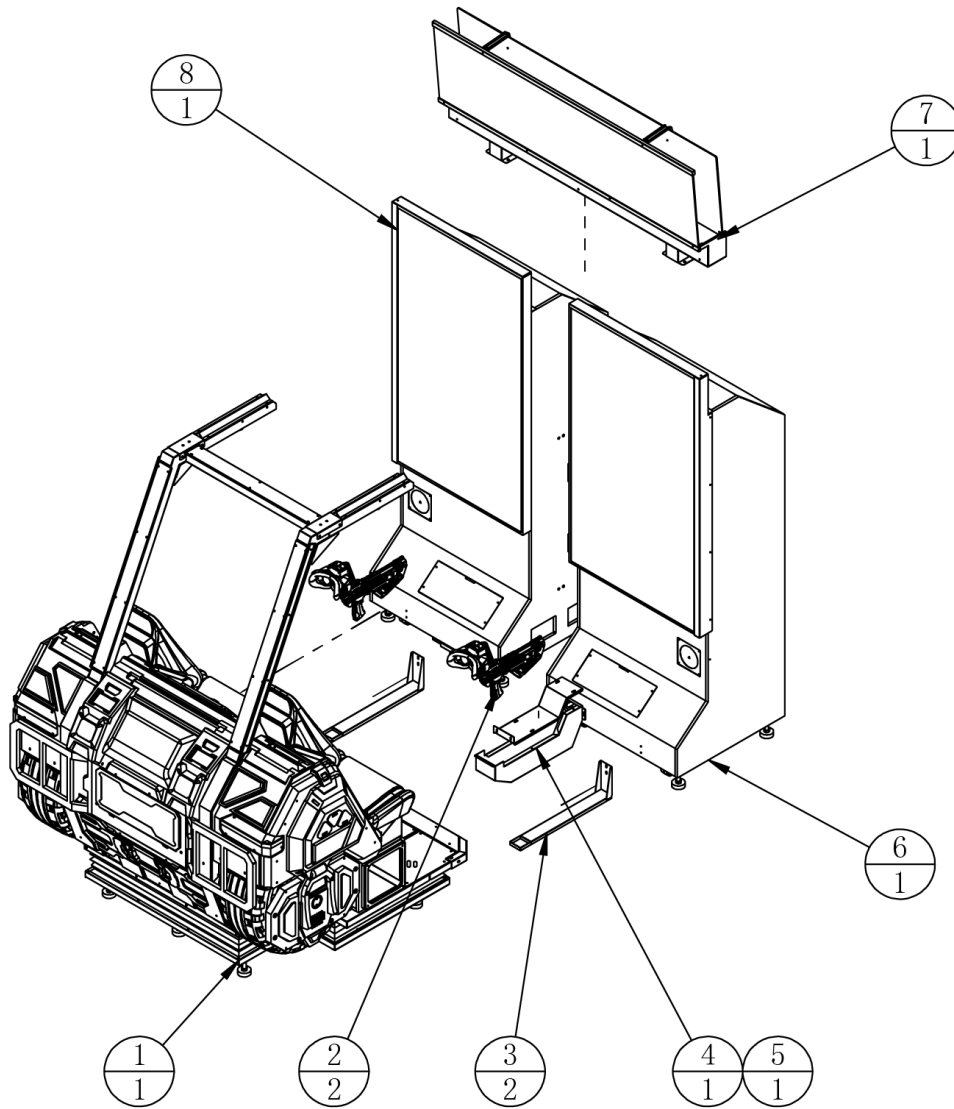
# 6. Assembly

## 6.1 Assembly Tree Diagram

APC-0000000	Machine assembly			APC-0100000	Seat Frame Assembly			APC-0101000	Base Assembly
								APC-0102000	Motion Platform Assembly
								APC-0103000	Seat Wooden Frame Assembly
								APC-0104000	Right Seat Assembly
								APC-0105000	Left Seat Assembly
								APC-0106000	Support Bracket Assembly
								APC-0107000	Rear Trim Assembly
								APC-0108000	Keypad Assembly
								APC-0109000	Pneumatic Control Valve Assembly
								APC-0110000	Hubcap Assembly
								APC-0111000	Service Panel Assembly
								APC-0112000	Jet Assembly
				APC-0200000	Left LCD Frame Assembly			APC-0201000	Left Wooden Frame Assembly
								APC-0202000	Air Compressor Assembly
								APC-0203000	Left LCD Assembly
								APC-0204000	Main Host Assembly
								APC-0205000	Air Compressor Door Assembly
								APC-0206000	Catch Basin Assembly
								APC-0207000	Liquid Crystal Door Assembly
				APC-0300000	Right LCD Frame Assembly			APC-0301000	Right Wooden Frame Assembly
								APC-0302000	Power Switch Assembly
								APC-0303000	Power Box Assembly
								APC-0304000	Host Door Assembly
								APC-0305000	Right LCD Assembly
				APC-0400000	Controller Assy				
				APC-0500000	Light Box Assembly				

# 6.2 General Assembly Diagram

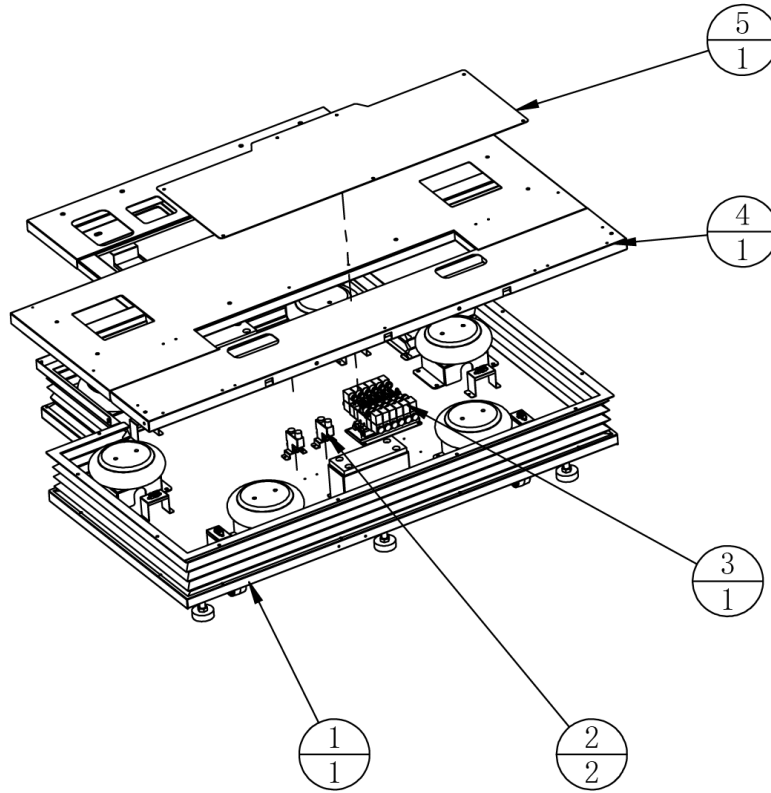
## Cabinet General Assembly



8	APC-0200000	Left LCD Frame Assembly		1	
7	APC-0500000	Light Box Assembly		1	
6	APC-0300000	Right LCD Frame Assembly		1	
5	APC-0000A02	Crossing cover plate	SPCC-1.2T	1	
4	APC-0000A01	Crossing plate	SPCC-1.5T	1	
3	APC-0000A03	Positioner plate	SPCC-1.5T	2	
2	APC-0400000	Controller Assy		2	
1	APC-0100000	Seat Frame Assembly		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

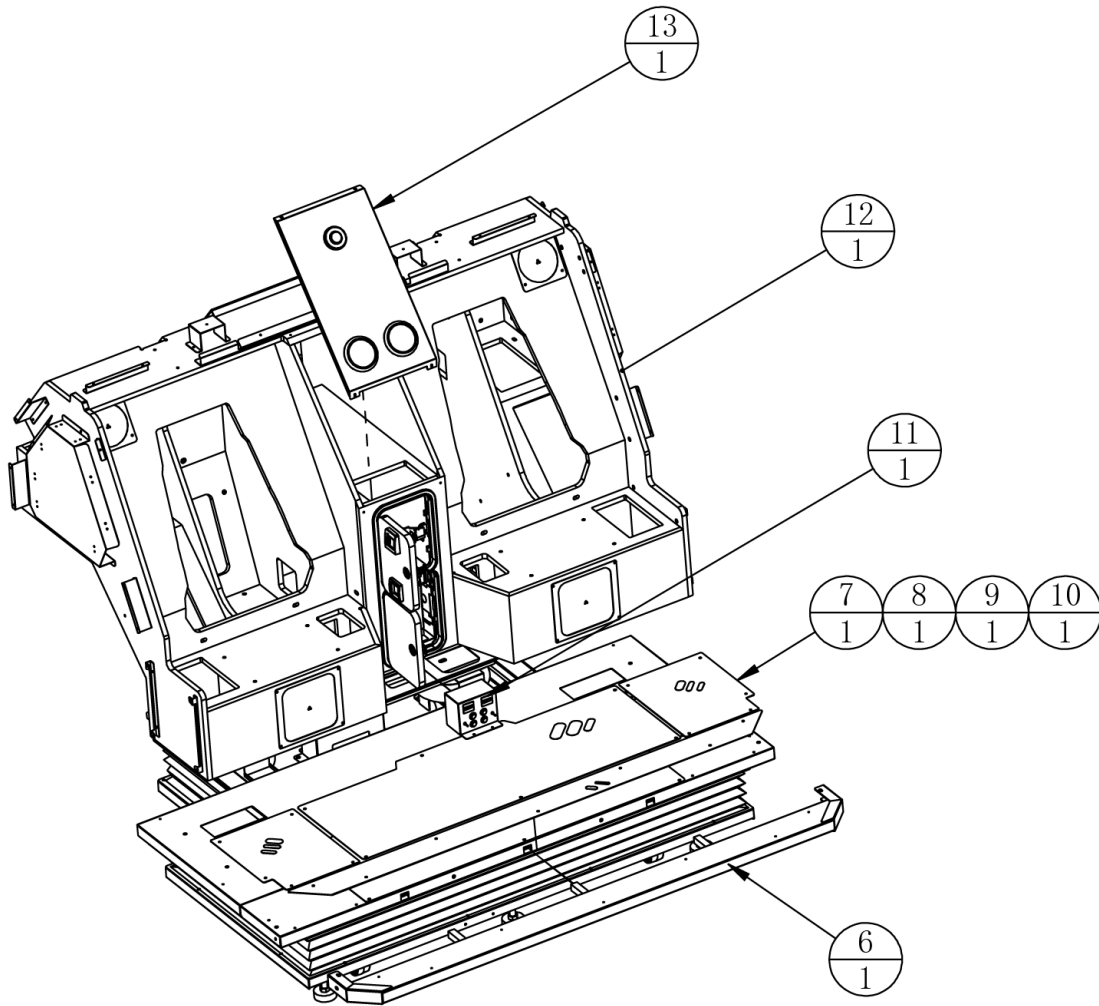
# 6.3 Seat Frame Assembly

## 6.3 Seat Frame Assembly (1 of 4)



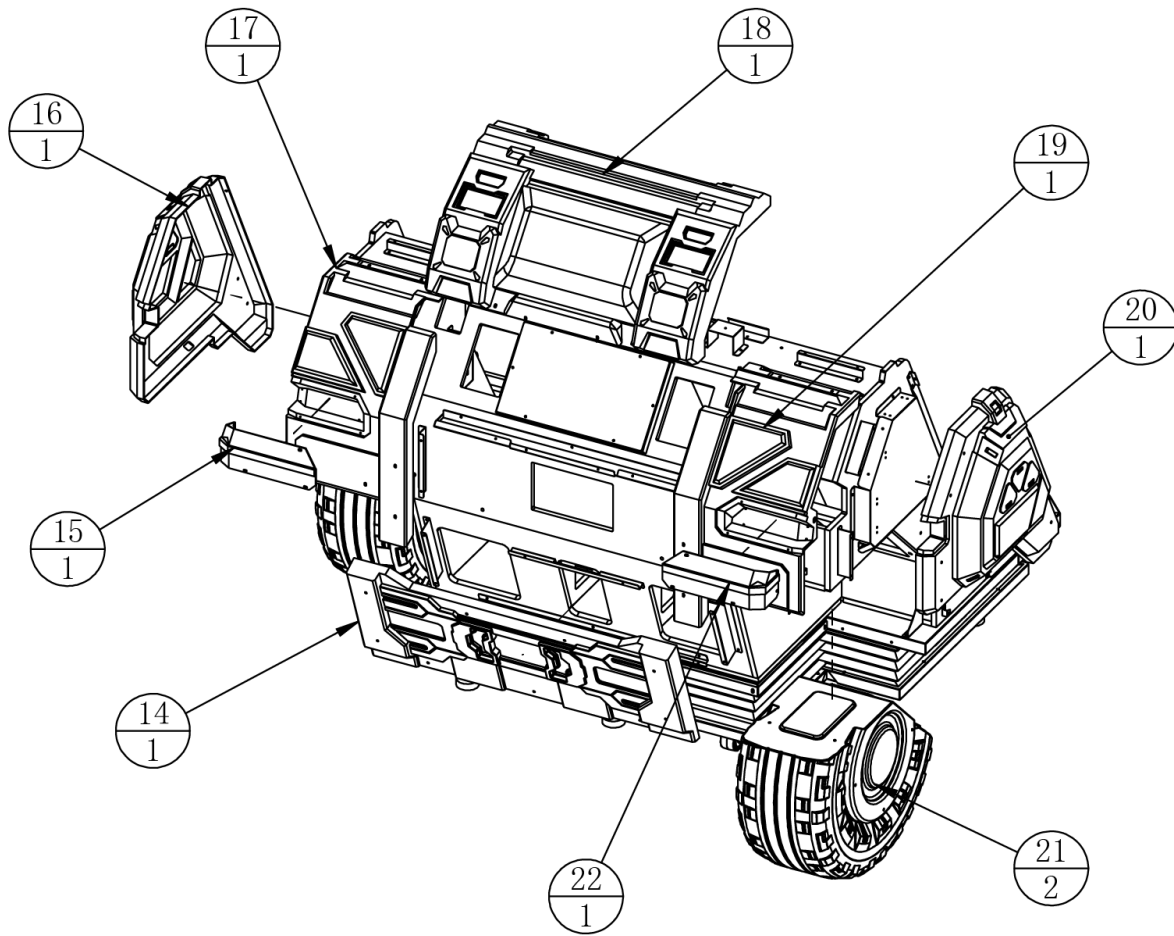
5	APC-0100A02	Foot pedal	SPCC-1.5T	1	
4	APC-0102000	Motion Platform Assembly		1	
3	APC-0109000	Pneumatic Control Valve Assembly		1	
2	APC-0112000	Jet Assembly		2	
1	APC-0101000	Base Assembly		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3 Seat Frame Assembly (2 of 4)



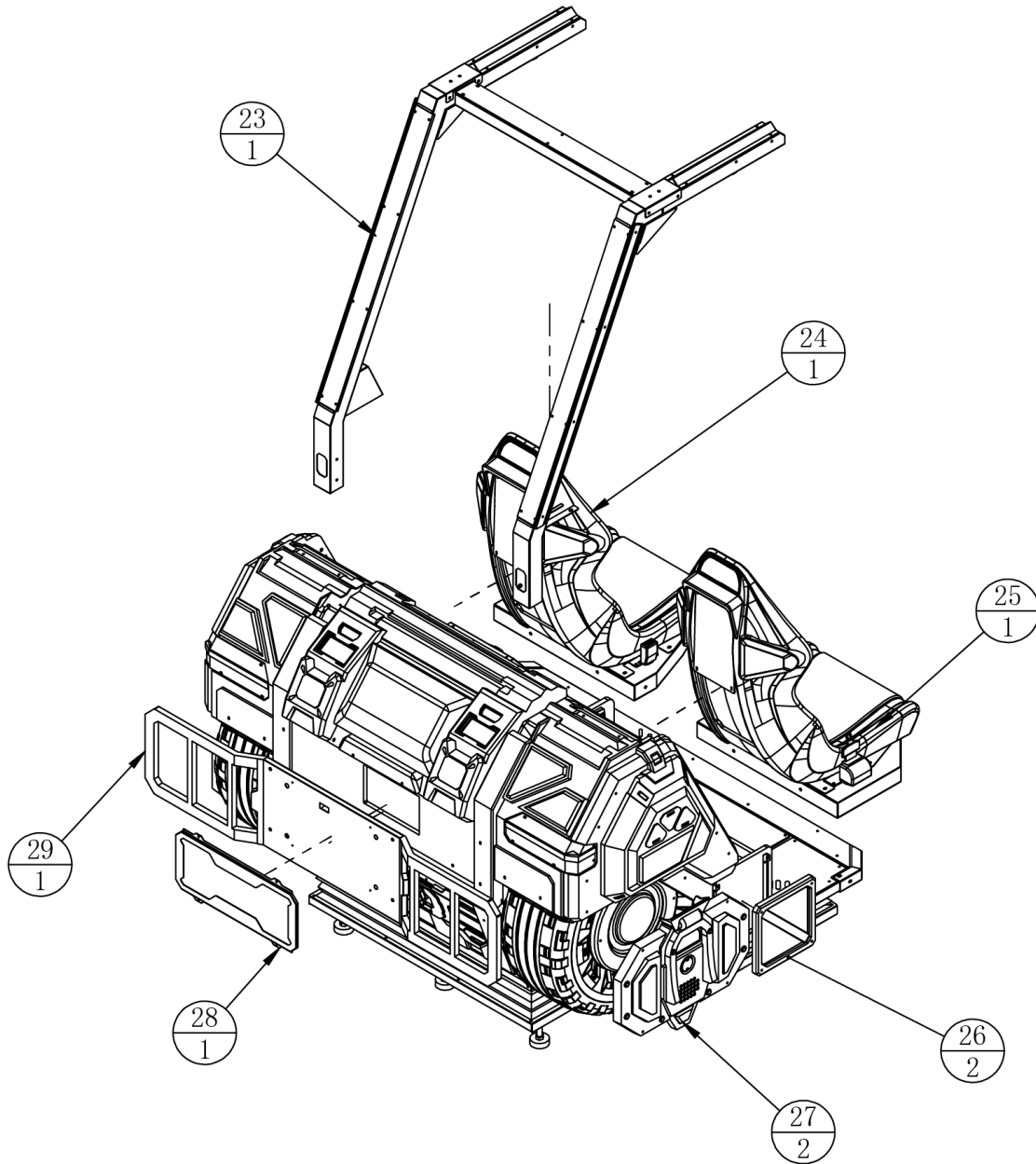
13	APC-0108000	Keypad Assembly		1	
12	APC-0103000	Seat Wooden Frame Assembly		1	
11	APC-0111000	Service Panel Assembly		1	
10	APC-0100A07	Anti-slip plate 4	AL	1	
9	APC-0100A06	Anti-slip plate 3	AL	1	
8	APC-0100A03	Anti-slip plate 1	AL	1	
7	APC-0100A04	Anti-slip plate 2	AL	1	
6	APC-0100A05	Support plate	SPCC	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3 Seat Frame Assembly (3 of 4)



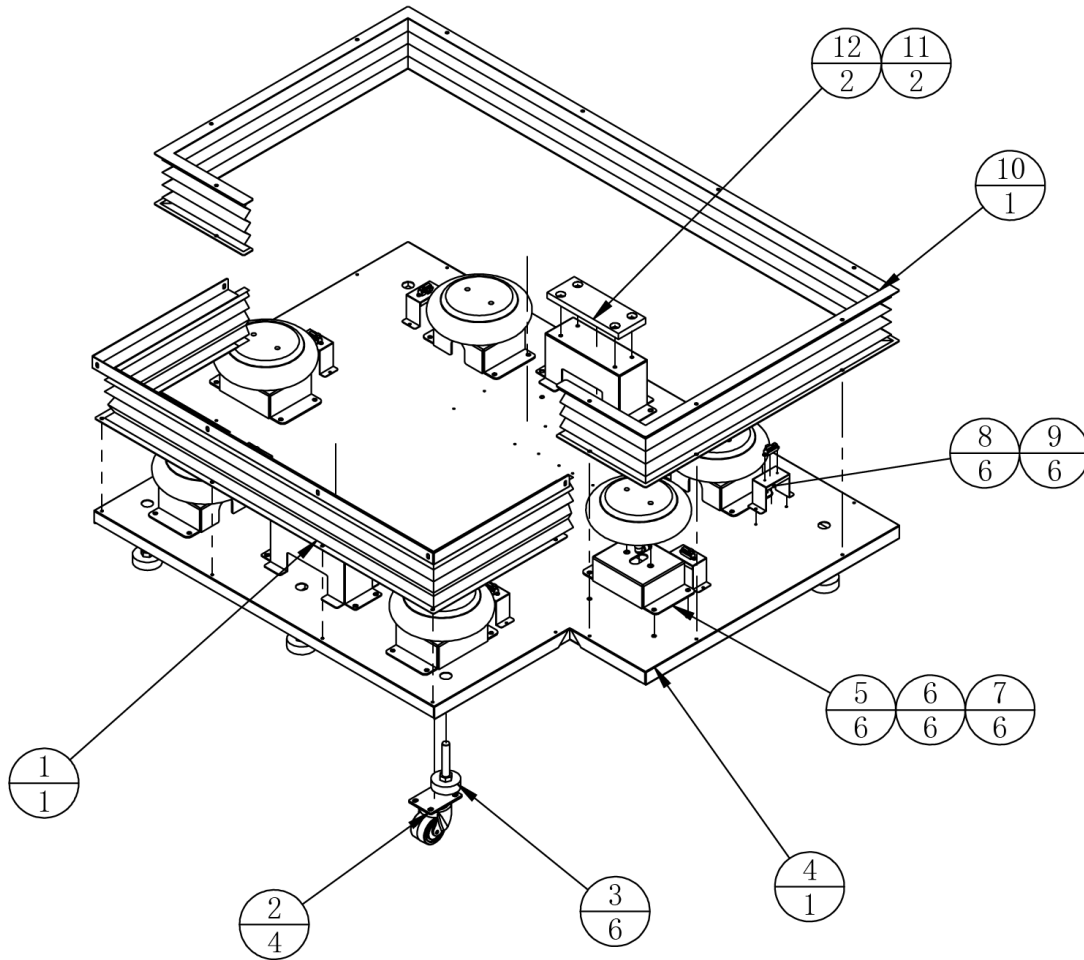
22	APC-0100C03	Right side tail light cover	RED PVC	1	
21	APC-0100C01	Wheel decoration		2	
20	APC-0100C06	Right side trim cover	ABS	1	
19	APC-0100C08	Right rear cover	ABS	1	
18	APC-0100C07	Top and middle cover	ABS	1	
17	APC-0100C09	Left rear cover	ABS	1	
16	APC-0100C10	Left side trim cover	ABS	1	
15	APC-0100C04	Left side tail light cover	RED PVC	1	
14	APC-0100C02	Lower back cover		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3 Seat Frame Assembly (4 of 4)



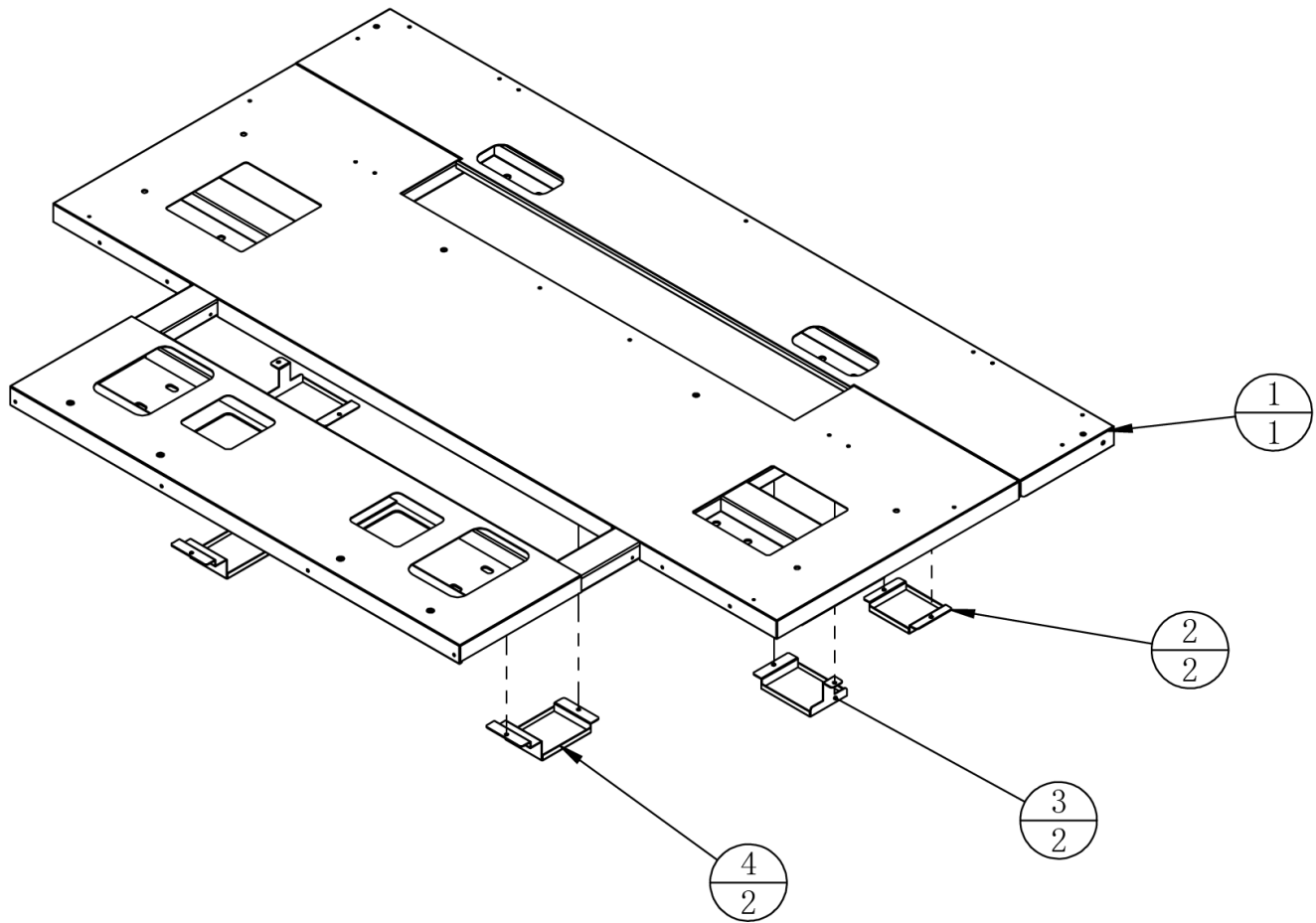
29	APC-0100A01	Crash barrier	管材 SPCC	1	
28	APC-0107000	Rear Trim Assembly		1	
27	APC-0110000	Hubcap Assembly		2	
26	APC-0100C05	Seat Side Trim Cover	ABS	2	
25	APC-0105000	Left Seat Assembly		1	
24	APC-0104000	Right Seat Assembly		1	
23	APC-0106000	Support Bracket Assembly		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.1 Base Assembly



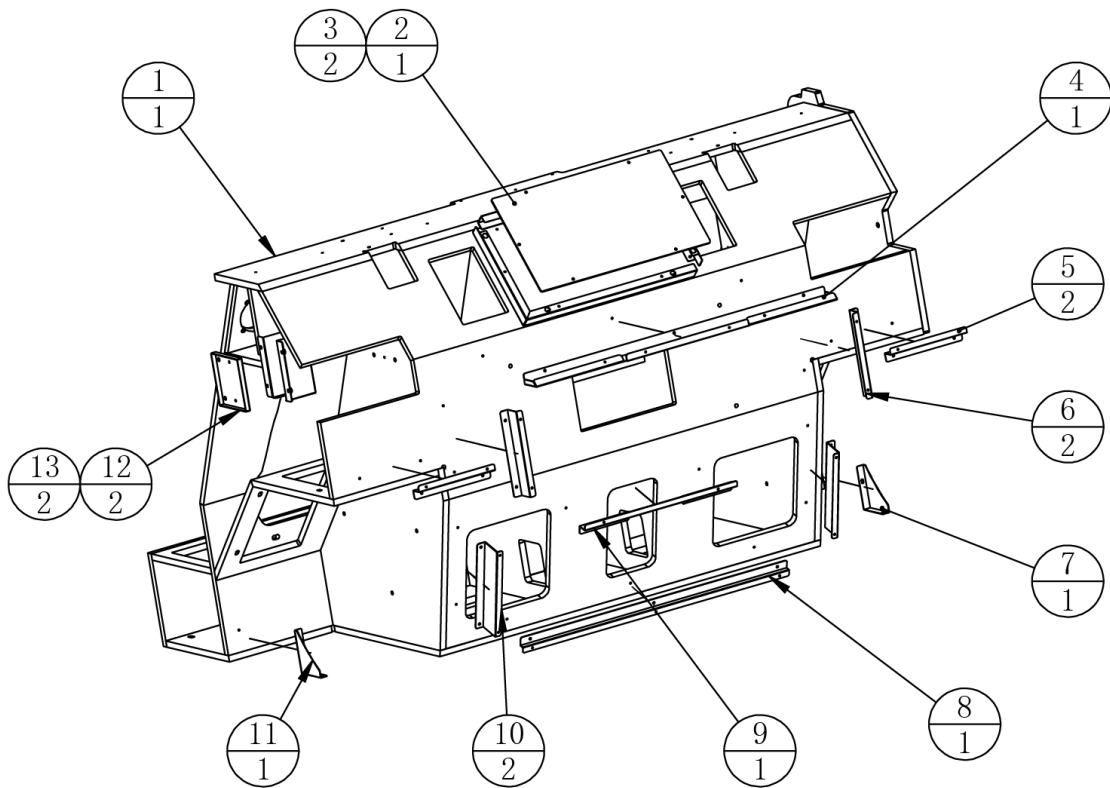
12	APC-0101C01	Limit rubber		2	
11	APC-0101A03	Limit seat	SPCC-2.0T	2	
10	APC-0101A05	Front end dust cover		1	
9	TMW-0210H13	Distance Sensor	GP2Y0A41SK0F	6	
8	APC-0101A06	Inductor retaining iron	SECC-1.0T	6	
7	TMW-0404G21	L-type threaded 2-way	APL10-02	6	
6	TMW-0403G62	Airbags	1B0120	6	
5	APC-0101A02	Airbag fixing iron	SPCC-3.0T	6	
4	APC-0101A01	Dynamic base		1	
3	TMW-0102G03	Ground Screw (Rubber Bottom)	M16*100	6	
2	TMW-0101G01	Movable casters	2.5'	4	
1	APC-0101A04	Rear end dust cover		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.2 Monitor Glass Assembly



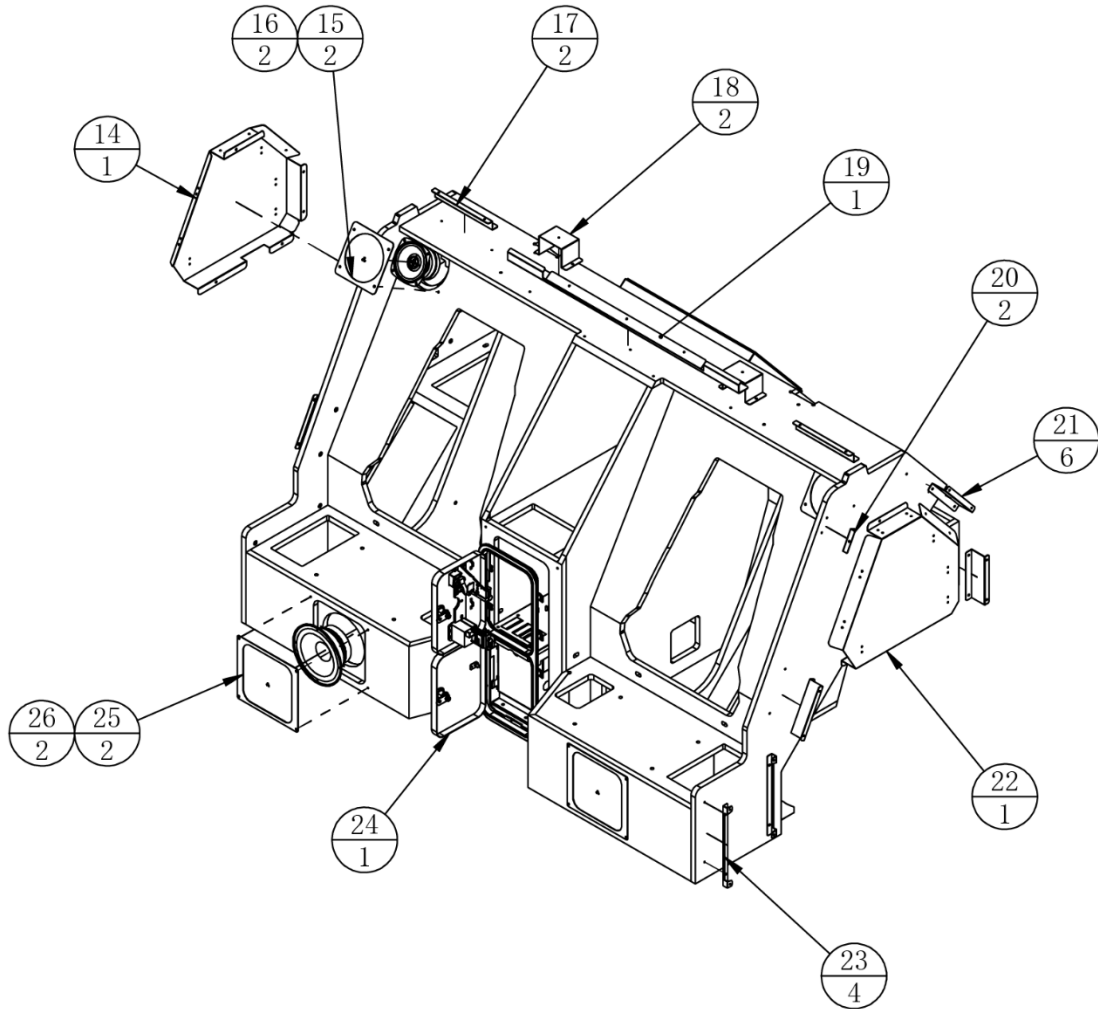
4	APC-0102A04	Induction plate 3	SPCC-1.5T	2	
3	APC-0102A03	Induction plate 2	SPCC-1.5T	2	
2	APC-0102A02	Induction plate 1	SPCC-1.5T	2	
1	APC-0102A01	Motion platform		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.3 Seat Wooden Frame Assembly (1 of 2)



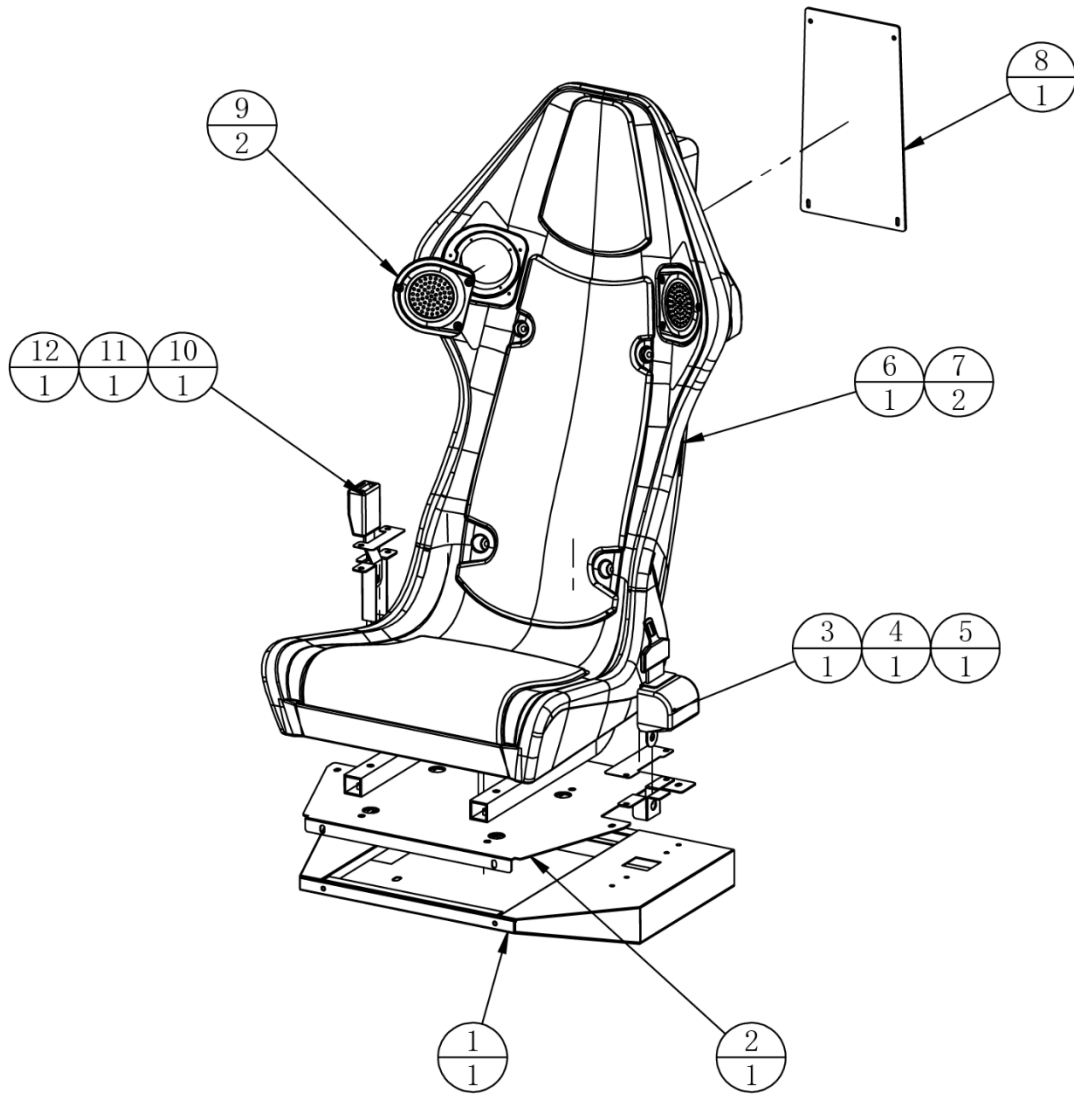
13	APC-0103A02	Bracket Fixing Plate	SPCC-1.5T	2	
12	APC-0103A16	Bracket reinforcement plate	SPCC-1.5T	2	
11	APC-0103A21	Left hand wheel plate	SPCC-1.2T	1	
10	APC-0103A11	Bottom cover 1	SPCC-1.2T	2	
9	APC-0103A12	Bottom cover 2	SPCC-1.2T	1	
8	APC-0103A13	Bottom cover 3	SPCC-1.2T	1	
7	APC-0103A20	Right hand wheel plate	SPCC-1.2T	1	
6	APC-0103A07	Side cover plate 2	SPCC-1.2T	2	
5	APC-0103A08	Side cover plate 3	SPCC-1.2T	2	
4	APC-0103A05	Middle cover plate 3	SPCC-1.2T	1	
3	APC-0103A14	Medium decorative box	SPCC-1.2T	2	
2	APC-0103D01	Medium decorative board	PMMA-3.0T	1	
1	APC-0103B01	Seat frame		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.3 Seat Wooden Frame Assembly (2 of 2)



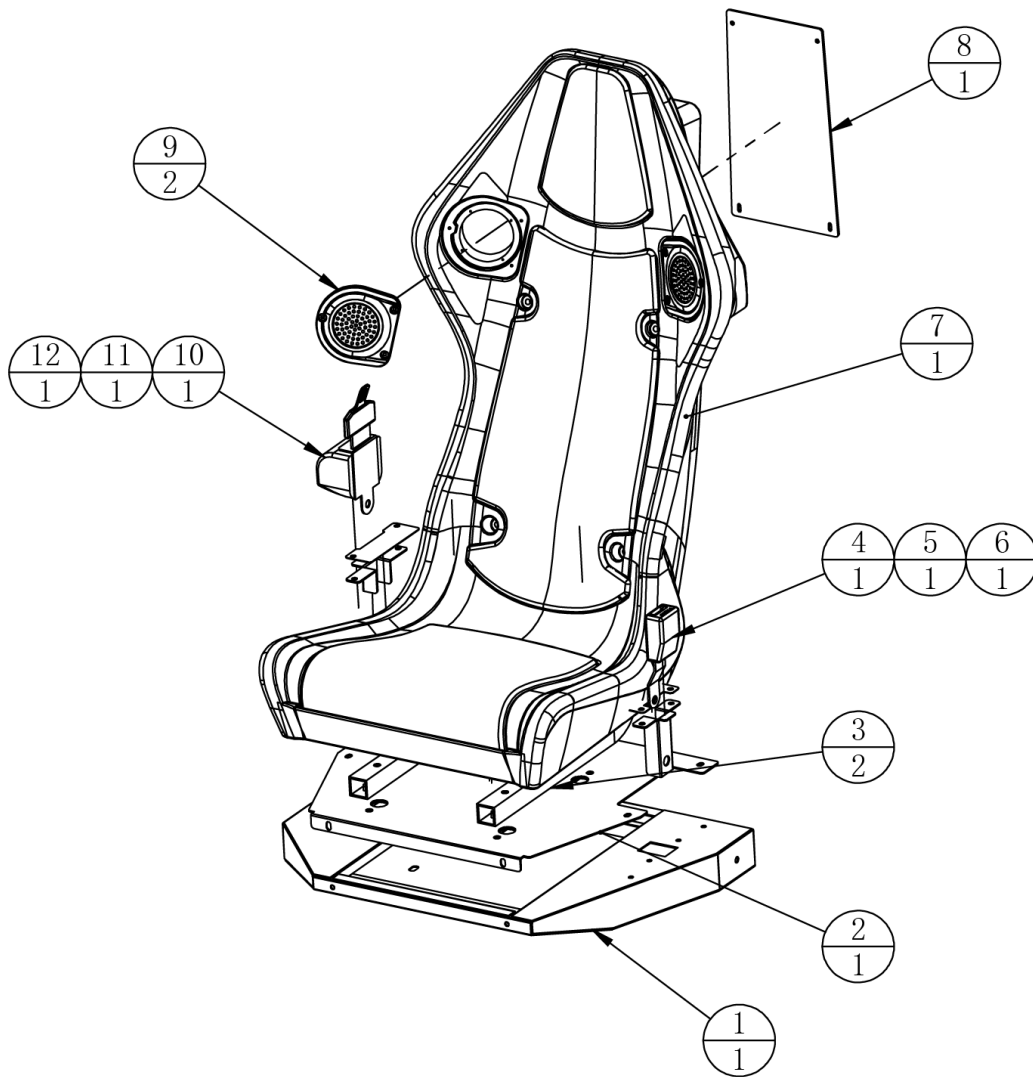
26	TMW-0401H03	Woofer	6.5' 4Ω/60W	2	
25	APC-0103A01	Woofer Networks		2	
24	TMW-0204G02	Cion door	10429800	1	
23	APC-0103A09	Side decorative panel	SPCC-1.2T	4	
22	APC-0103A18	Right LED board	SECC-1.0T	1	
21	APC-0103A10	Side plate	SPCC-1.2T	6	
20	APC-0103A19	Side cover plate 4	SPCC-1.2T	2	
19	APC-0103A03	Middle cover plate 1	SPCC-1.2T	1	
18	APC-0103A04	Middle cover plate 2	SPCC-1.2T	2	
17	APC-0103A06	Side cover plate 1	SPCC-1.2T	2	
16	TMW-0401H09	Speaker	4' 8Ω 60W	2	
15	APC-0103A15	Speaker net		2	
14	APC-0103A17	Left LED plate	SECC-1.0T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.4 Right Seat Assembly



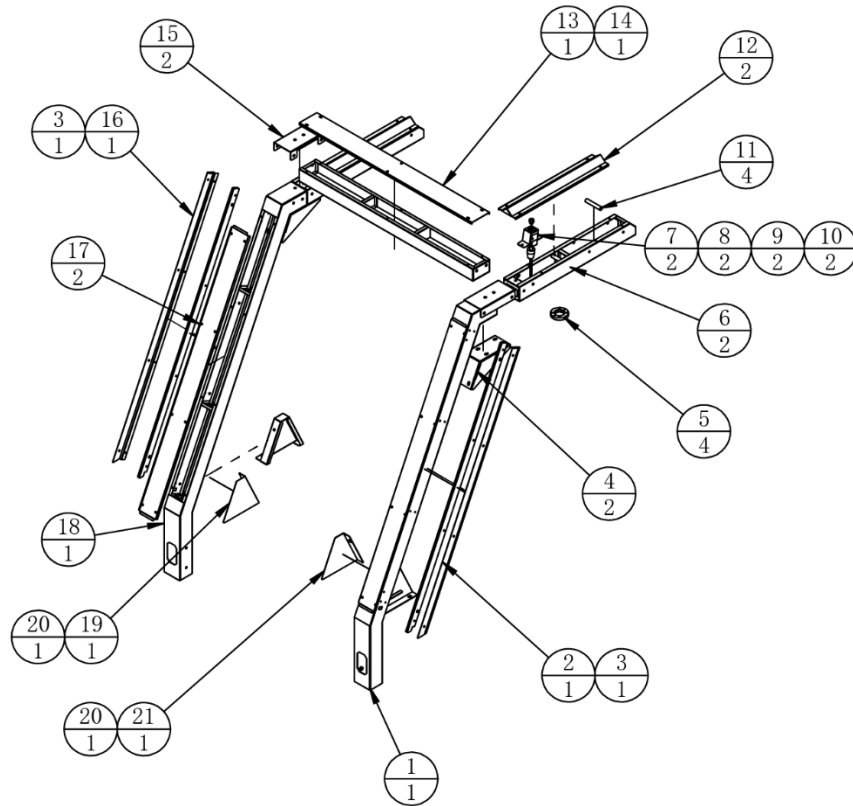
12	APC-0104A03	Seat belt plate 2	SPCC-2.0T	1	
11	APC-0104A06	Seat belt cover plate 2	SPCC-1.0T	1	
10	TMW-0601G05-01	Seat Belt Buckle		1	
9	ATC-0103C02	Hole cover	ABS	2	
8	APC-0104D01	Seat Decorative Plate	PMMA-3.0T	1	
7	ATC-0103A06	Seat Bend	30*30*2.5	2	
6	ATC-0103C01	Seat		1	
5	APC-0104A02	Seat belt plate 1	SPCC-2.0T	1	
4	APC-0104A05	Seat belt cover plate 1	SPCC-1.0T	1	
3	TMW-0601G05-02	Seat Belt		1	
2	APC-0104A04	Seat fixing plate	SPCC-2.0T	1	
1	APC-0104A01	Right seat fixing frame		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.5 Left Seat Assembly



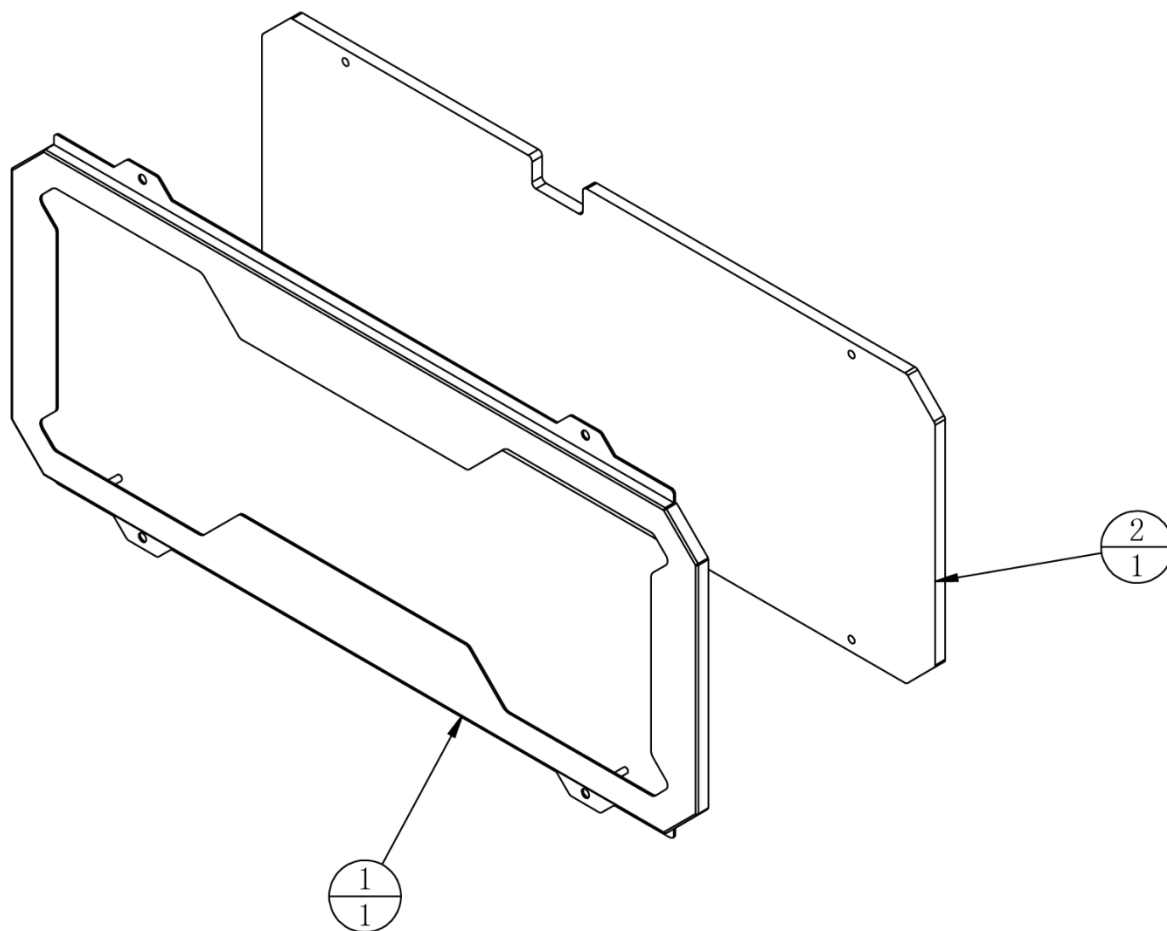
12	APC-0104A02	Seat belt plate 1	SPCC-2.0T	1	
11	APC-0104A05	Seat belt cover plate 1	SPCC-1.0T	1	
10	TMW-0601G05-02	Seat Belt		1	
9	ATC-0103C02	Hole cover	ABS	2	
8	APC-0104D01	Seat Decorative Plate	PMMA-3.0T	1	
7	ATC-0103C01	Seat		1	
6	APC-0104A03	Seat belt plate 2	SPCC-2.0T	1	
5	APC-0104A06	Seat belt cover plate 2	SPCC-1.0T	1	
4	TMW-0601G05-01	Seat Belt Buckle		1	
3	ATC-0103A06	Seat Bend	30*30*2.5	2	
2	APC-0104A04	Seat fixing plate	SPCC-2.0T	1	
1	APC-0105A01	Left seat fixing frame		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.6 Support Frame Assembly



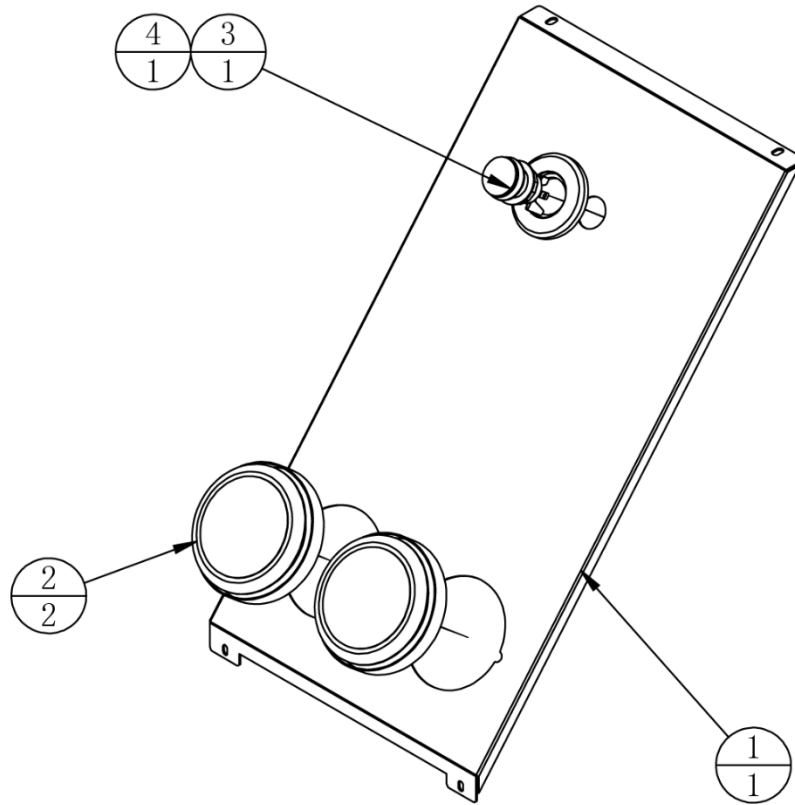
21	APC-0106A18	Right bracket cover	SPCC-1.2T	1	
20	APC-0106A03	Bracket support plate	SPCC-1.5T	2	
19	APC-0106A17	Left bracket cover	SPCC-1.2T	1	
18	APC-0106A02	Left bracket		1	
17	APC-0106A08	Bracket cover plate 2	SPCC-1.0T	2	
16	APC-0106A12	Left frame lamp cover	SPCC-1.2T	1	
15	APC-0106A13	Suspension bracket fixing plate	SPCC-2.0T	2	
14	APC-0106A04	Upper bracket		1	
13	APC-0106A07	Bracket cover plate 1	SPCC-1.2T	1	
12	APC-0106A16	Bracket cover plate 3	SPCC-1.0T	2	
11	APC-0106A10	Retaining rod	Q235	4	
10	TMW-0404G01	Straight threaded Joint	APC10-02	2	
9	TMW-0601G15	Nozzle	BLACK	2	
8	APC-0106A06	Air cannon mount	Q235	2	
7	APC-0106A09	Air cannon racks	SPCC-1.2T	2	
6	APC-0106A05	Suspension bracket		2	
5	APC-0106A15	Harness protector		4	
4	APC-0106A14	Strengthen plate 1	SPCC-3.0T	2	
3	APC-0106D01	Bracket light guide acrylic	PMMA-8.0T	2	
2	APC-0106A11	Right frame lamp cover	SPCC-1.2T	1	
1	APC-0106A01	Right bracket		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.7 Seat Back Decoration Assembly



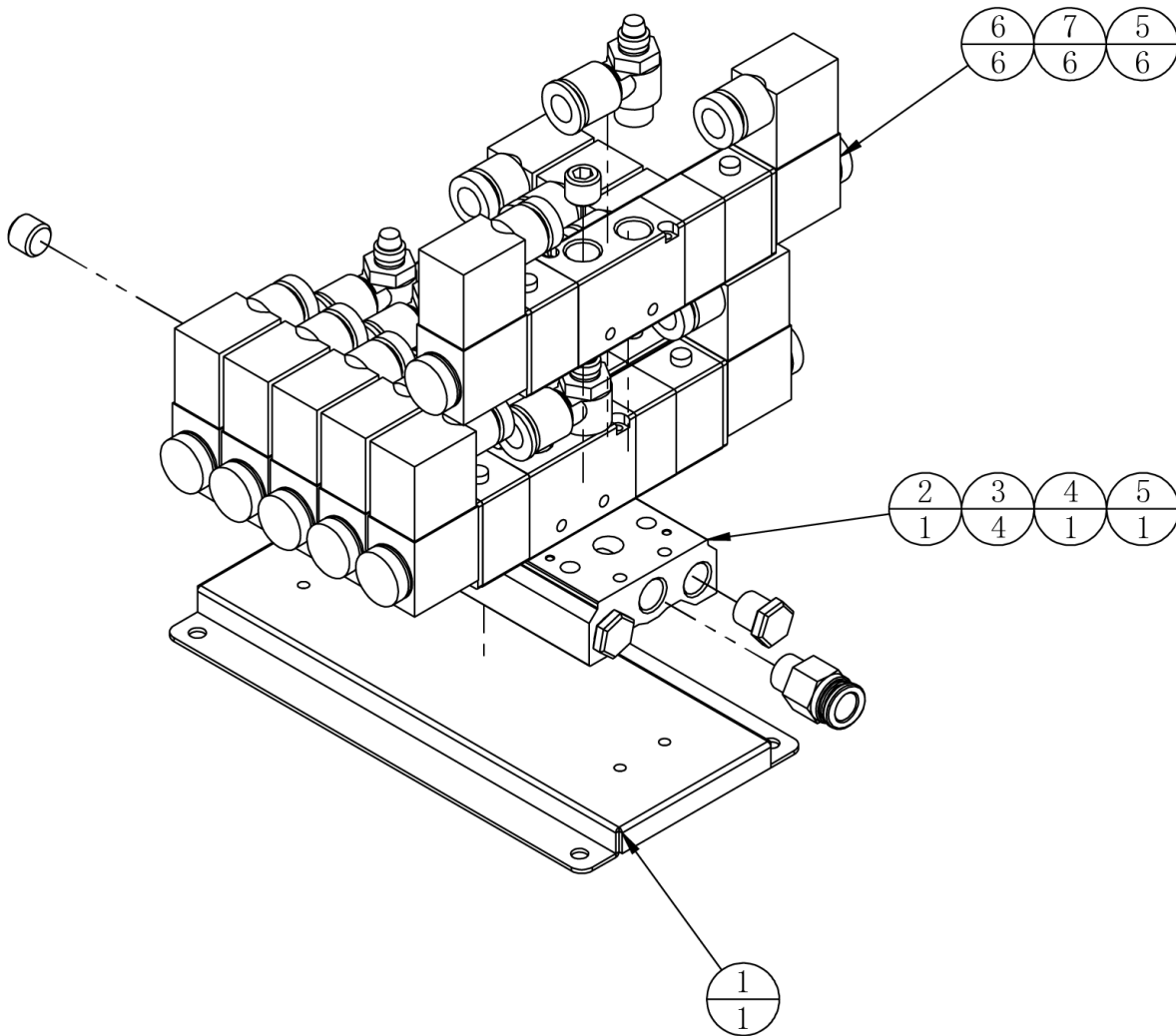
2	APC-0107D01	Anti-collision light guide acrylic	PMMA-8.0T	1	
1	APC-0107A01	Anti-collision decorations	SPCC-1.2T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.8 Button Assembly



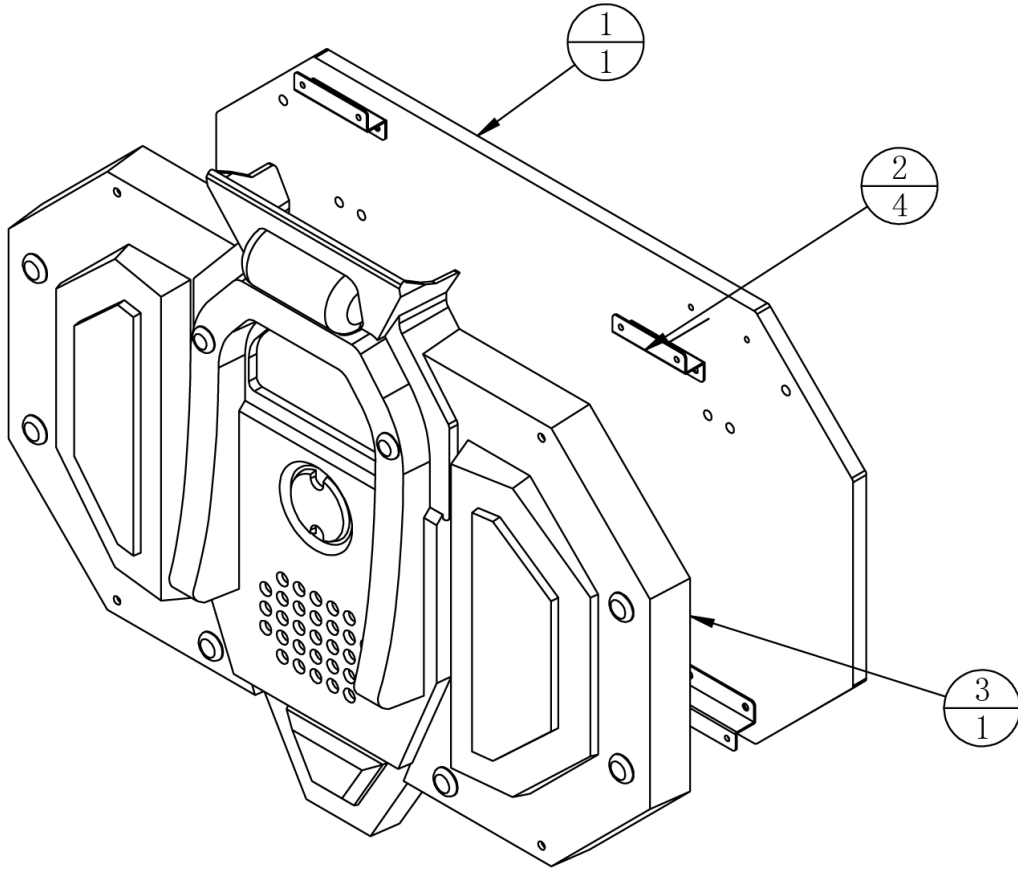
4	ATV-0107D01	STOP Button Pad	PMMA-8.0T	1	
3	TMW-0203H01	Red Button	LA38-11M	1	
2	TMW-0301H04	Start button	φ100-DOME-CW	2	
1	APC-0108A01	Keypad	SPCC-1.5T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.9 Air Control Valve Assembly



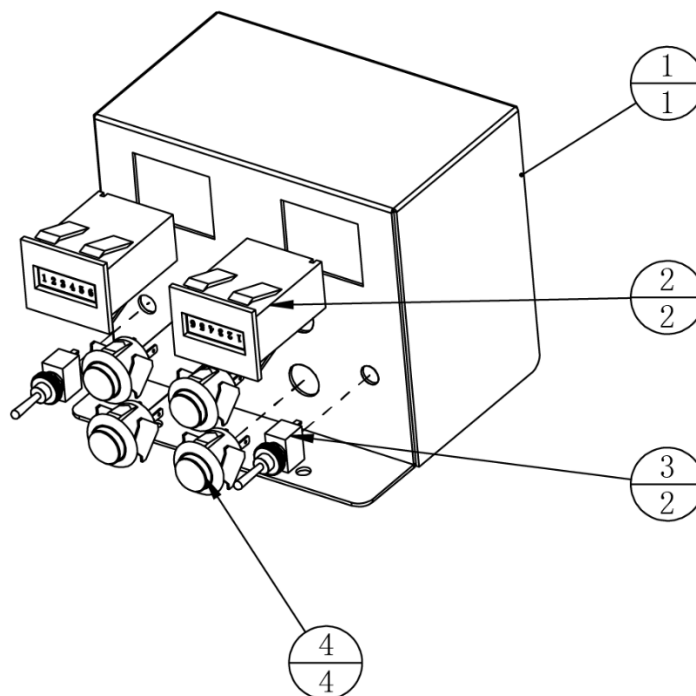
7	TMW-0404G21	L-type threaded 2-way	APL10-02	6	
6	TMW-0701H09	Solenoid valve	4V230C 08F	6	
5	TMW-0404G72	Hexagonal Plugs	ABP-02	7	
4	TMW-0404G01	Straight threaded Joint	APC10-02	1	
3	TMW-0901G13	Silencer	PAL02	4	
2	TMW-0801G24	Base	200M6F	1	
1	APC-0109A01	Solenoid valve seat	SECC-1.5T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

**6.3.10 Wheel Hubcap Assembly**



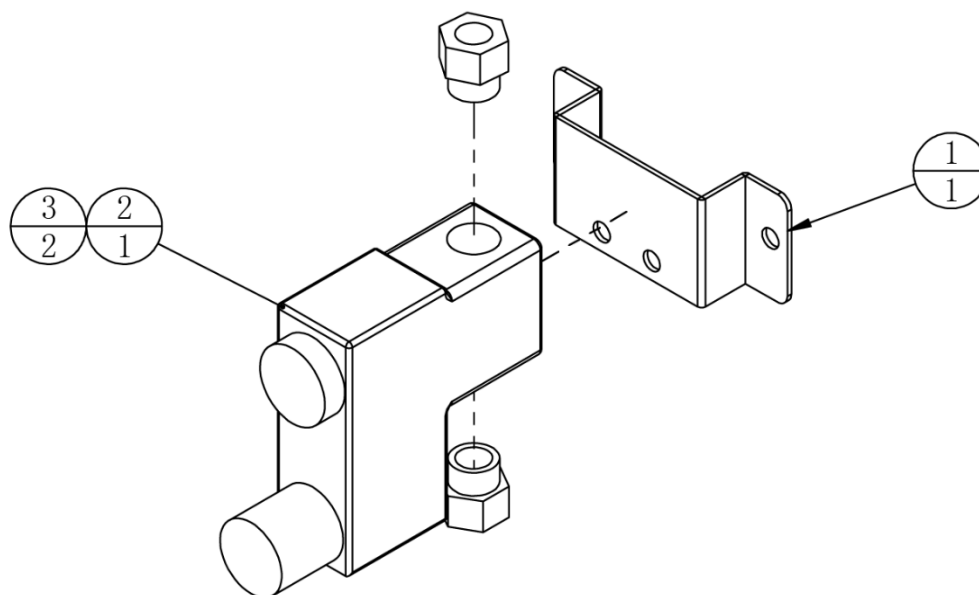
3	APC-0110C01	Wheel cover	ABS	1	
2	APC-0110A01	Wheel support plate	SPCC-1.2T	4	
1	APC-0110B01	Wheel hub board	MDF-12.0T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.3.11 Service Panel Assembly



4	TMW-0203H01	Red Button	G-111-CR	4	
3	TMW-0103H08	Mini Button Switches	3P KNX123D	2	
2	TMW-0210H08	Counter	DC 5V	1	
1	APC-0111A01	Service panel	SECC-1.2T	1	

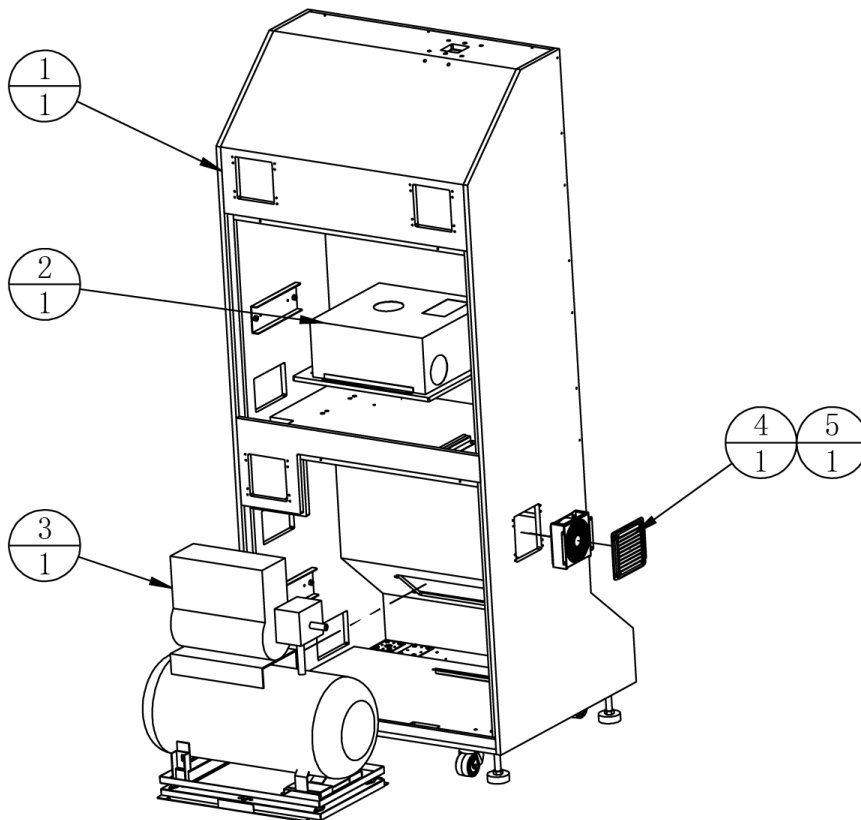
**6.3.12 Air Jet Assembly**



3	TMW-0404G01	Straight threaded Joint	APC10-02	2	
2	TMW-0701H02	Fulid Control Valve	2V025-08	1	
1	APC-0112A01	Air valve fixing plate	SPCC-1.2T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

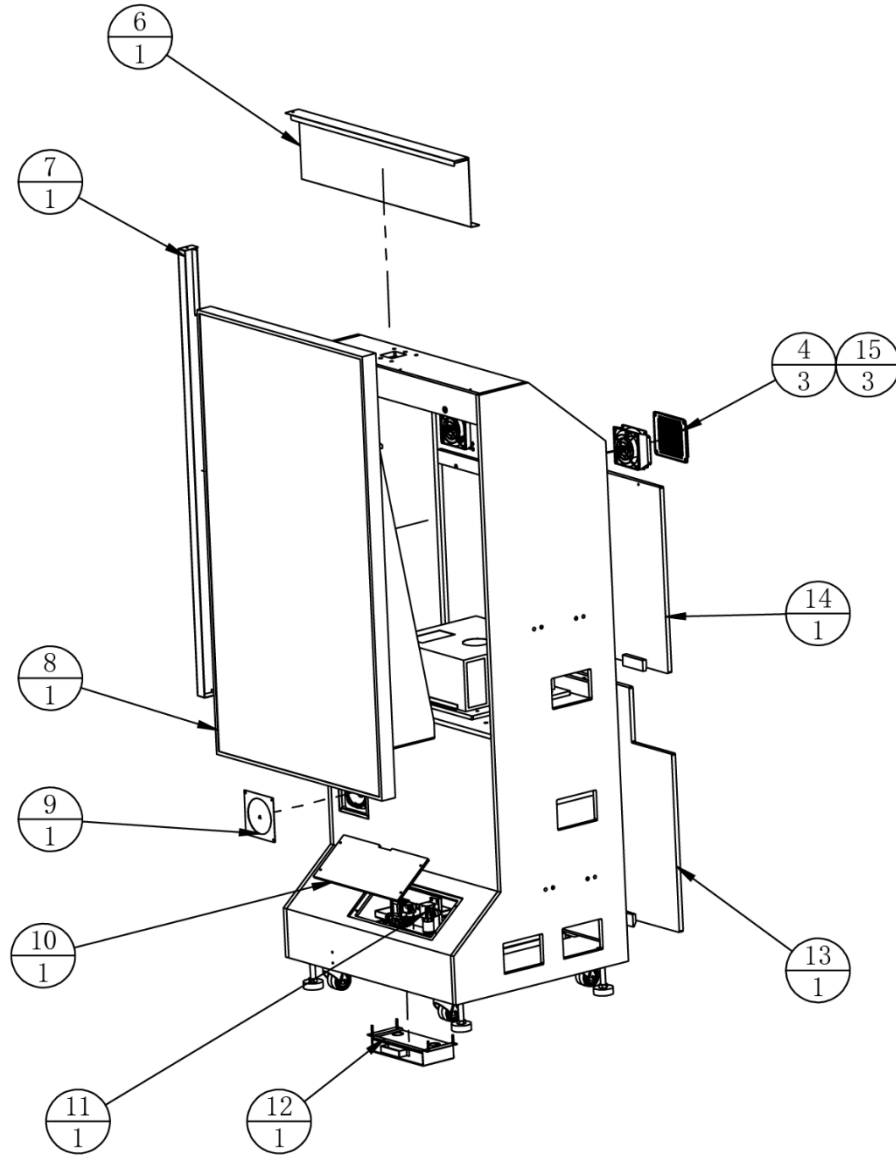
## 6.4 Left LCD Frame Assembly

### 6.4 Left LCD Frame Assembly (1 of 2)



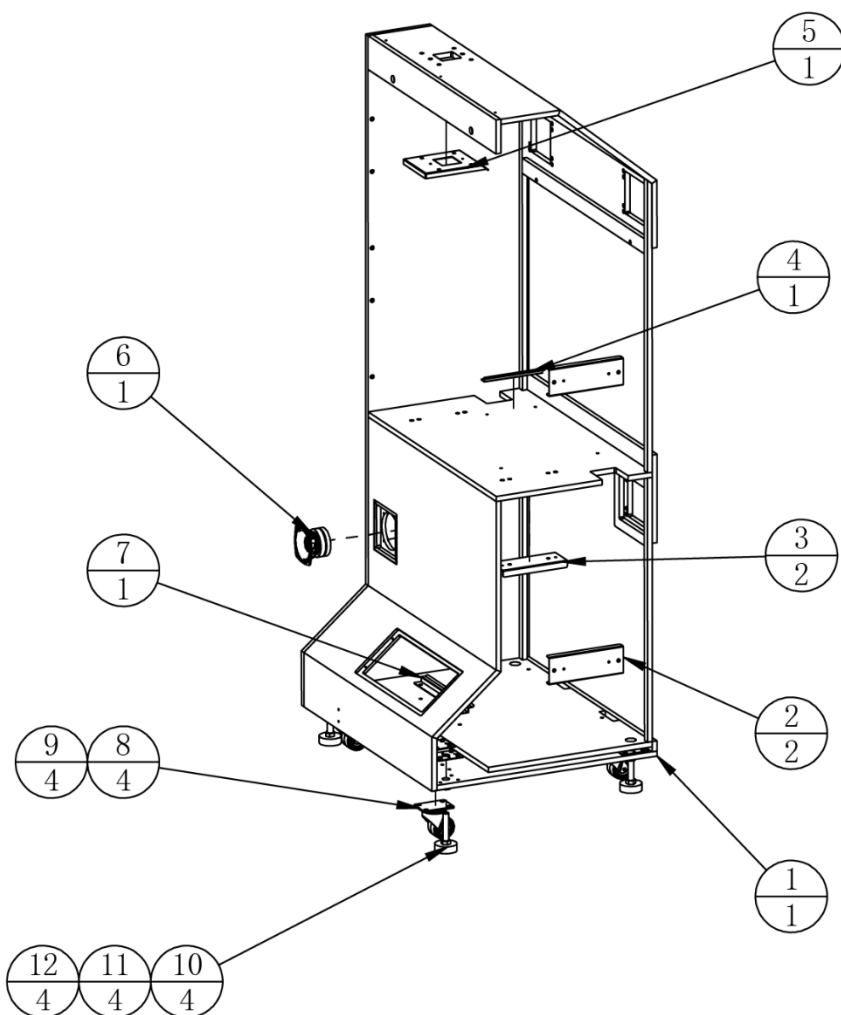
5	ATC-0210000	Air Intake Fan Assembly		1	
4	TMW-0302G01	Plastic Ventilation Net	253-5460	4	
3	APC-0202000	Air Compressor Assembly		1	
2	APC-0204000	Main Host Assembly		1	
1	APC-0201000	Left Wooden Frame Assembly		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

## 6.4 Left LCD Frame Assembly (2 of 2)



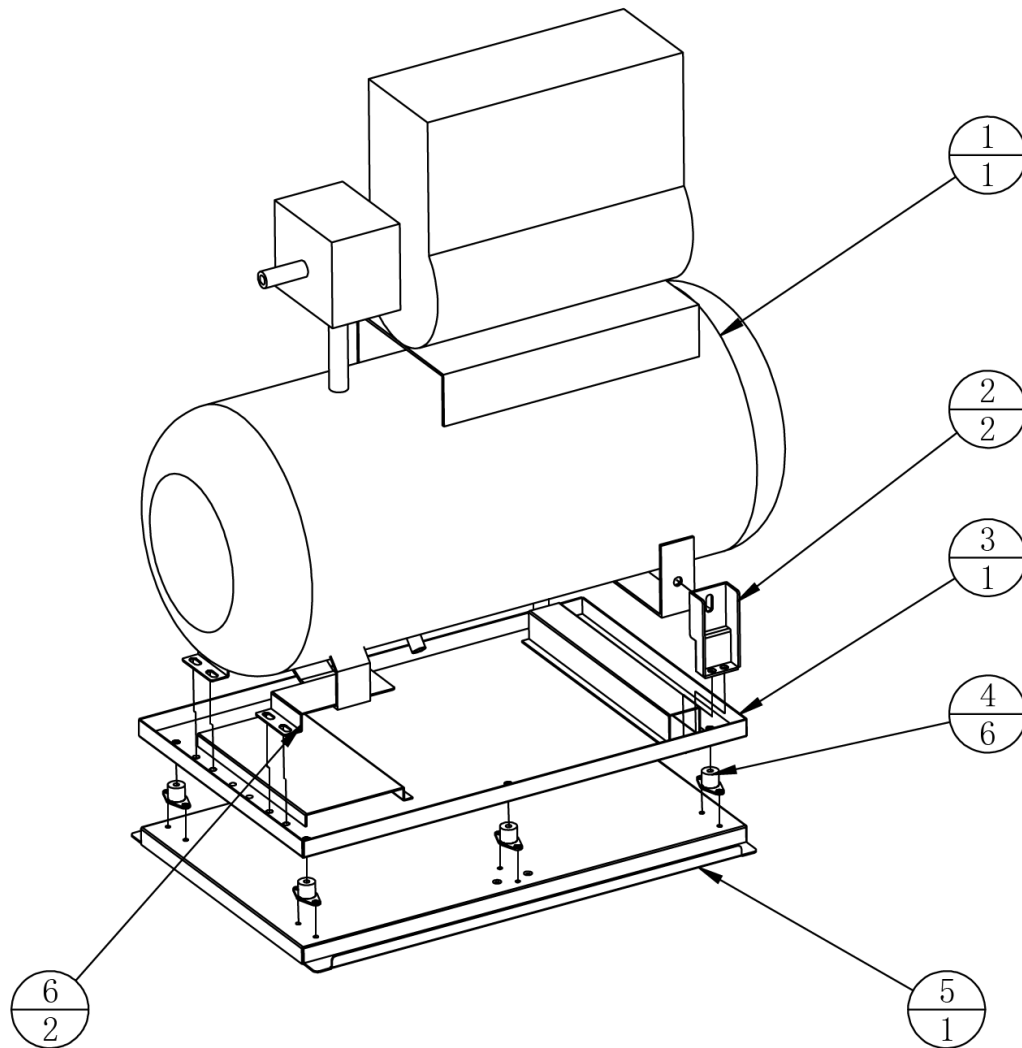
15	ATC-0209000	Fan Assembly		3	
14	APC-0207000	Liquid Crystal Door Assembly		1	
13	APC-0205000	Air Compressor Door Assembly		1	
12	APC-0206000	Catch Basin Assembly		1	
11	ATC-0214000	Filter Assembly		1	
10	APC-0200B01	LCD lower cover	MDF-15.0T	1	
9	APC-0200A02	Speaker cover	SPCC-1.2T	1	
8	APC-0203000	Left LCD Assembly		1	
7	APC-0200A03	Left LCD side cover	SPCC-1.5T	1	
6	APC-0200A01	Left LCD rear cover	SPCC-1.0T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

## 6.4.1 Left Wooden Frame Assembly



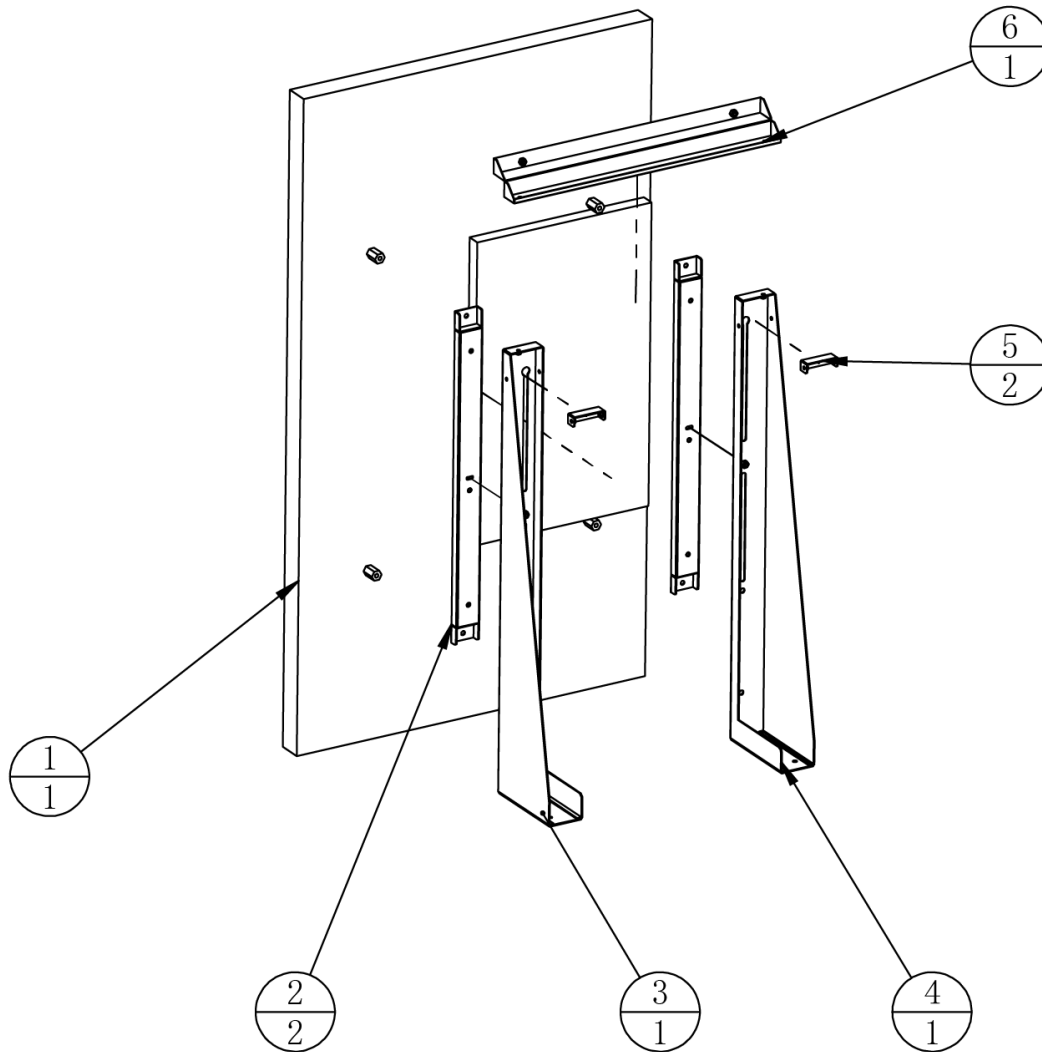
12	ATV-0201A05	Ground screw fixing iron	SPCC-2.0T	4	
11	ATV-0201A07	Baseboard	SPCC-2.0T	4	
10	TMW-0102G03	Ground Screw (Rubber Bottom)	M16*100	4	
9	ATV-0201A06	Caster fixing iron	SPCC-2.0T	4	
8	TMW-0101G01	Movable casters	2.5'	4	
7	APC-0201A04	Air compressor limit plate	SECC-1.5T	1	
6	TMW-0401H09	Speaker	4' 8Ω Golden 60W	1	
5	APC-0201A05	Light box reinforcement plate	SPCC-2.0T	1	
4	APC-0201A01	Host Limit Plate	SECC-1.5T	1	
3	APC-0201A02	Monitor reinforcement plate	SECC-2.0T	2	
2	APC-0201A03	Frame connecting plate	SECC-2.0T	2	
1	APC-0201B01	Left LCD frame		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

## 6.4.2 Air Compressor Assembly



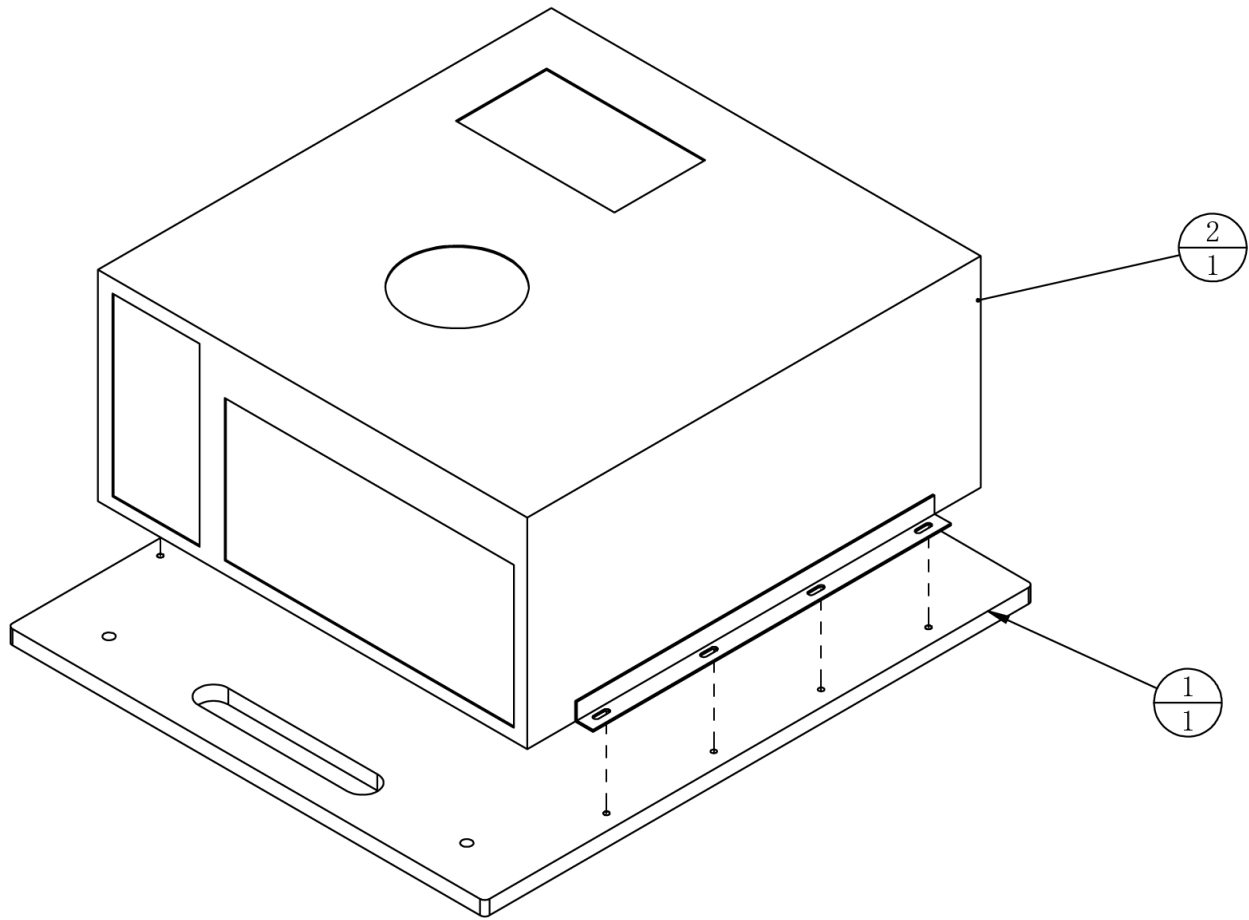
6	APC-0202A03	Air compressor press iron	SPCC-1.5T	2	
5	APC-0202A01	Air compressor anti-vibration base		1	
4	TMW-0102G02	Marquee Type Anti-Vibration Feet		6	
3	APC-0202A02	Air compressor support base		1	
2	APC-0202A04	Air compressor fixing iron	SPCC-2.5T	2	
1	TMW-0206H07	Compressor	FB1100D0-10C40	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.4.3 Left LCD Assembly



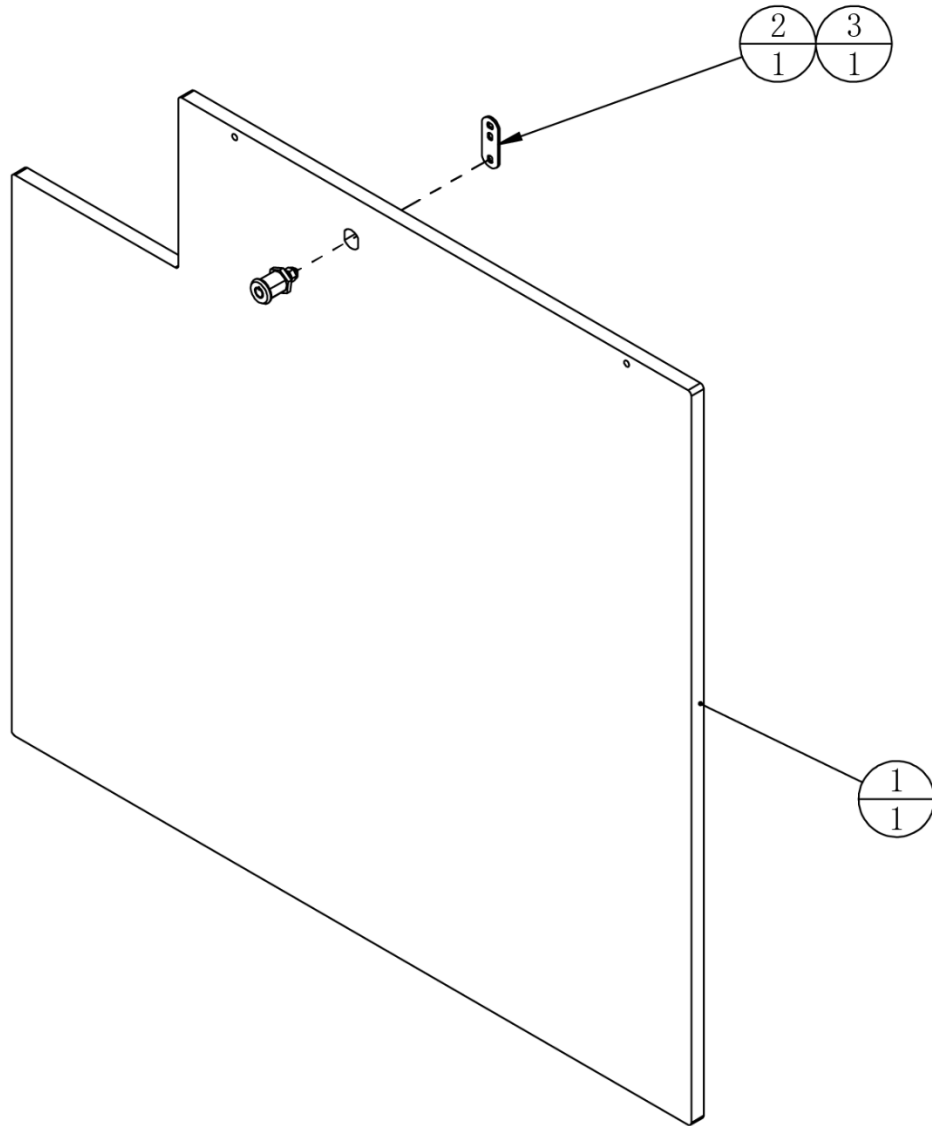
6	APC-0203A03	Monitor support plate	SPCC-1.5T	1	
5	APC-0203A05	Limit Plate	SPCC-2.0T	2	
4	APC-0203A02	Monitor left fixing plate	SPCC-2.5T	1	
3	APC-0203A01	Monitor right fixing plate	SPCC-2.5T	1	
2	APC-0203A04	Monitor pad	SPCC-2.0T	2	
1	TMW-0201H10	Monitor-Left side	65" LCD Ultra Narrow Bezel	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.4.4 PC Assembly



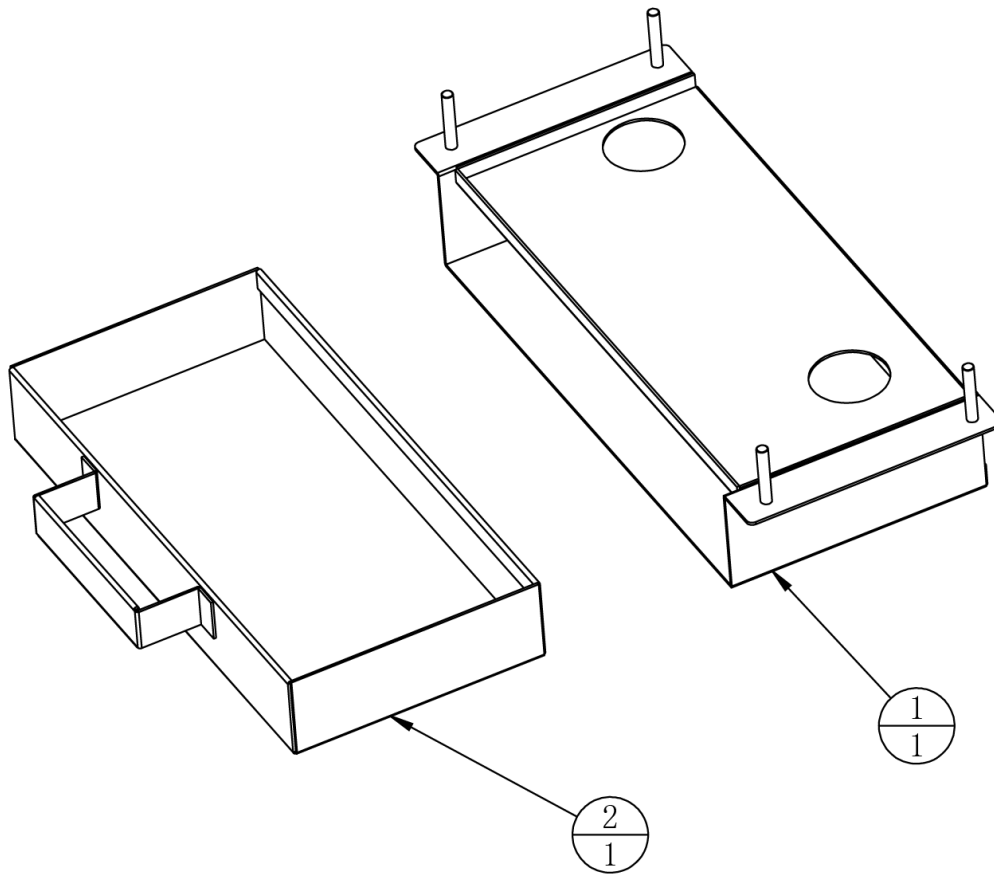
2	APC-0207H01	PC	IPC-3WM002	1	
1	APC-0204B01	Host PC fixing board	MDF-15.0T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.4.5 Air Compressor Door Assembly



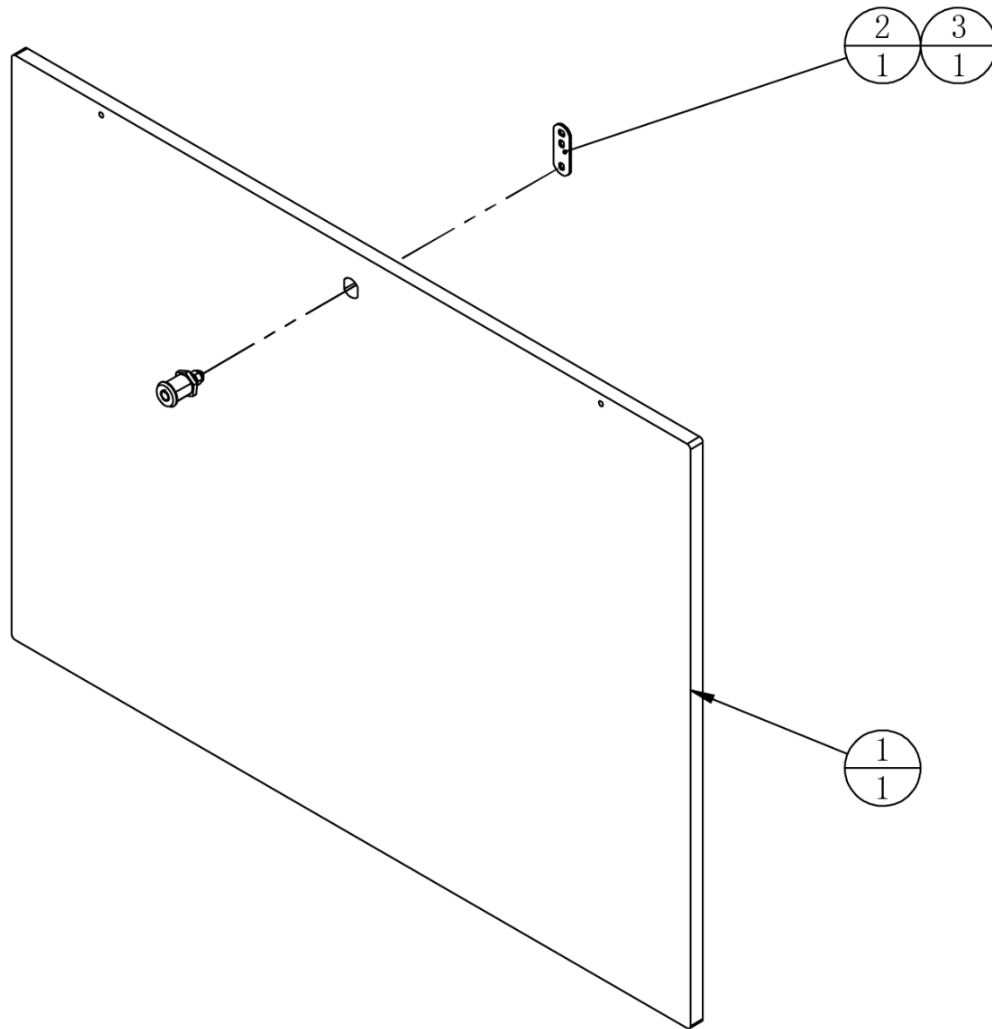
3		Lock	FM666	1	
2		locking plate	5cm(004号 )	1	
1	APC-0205B01	Air compressor Door	MDF-15.0T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

## 6.4.6 Water Tank Assembly



2	APC-0206A02	Sink		1	
1	APC-0206A01	Sink fixing plate		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

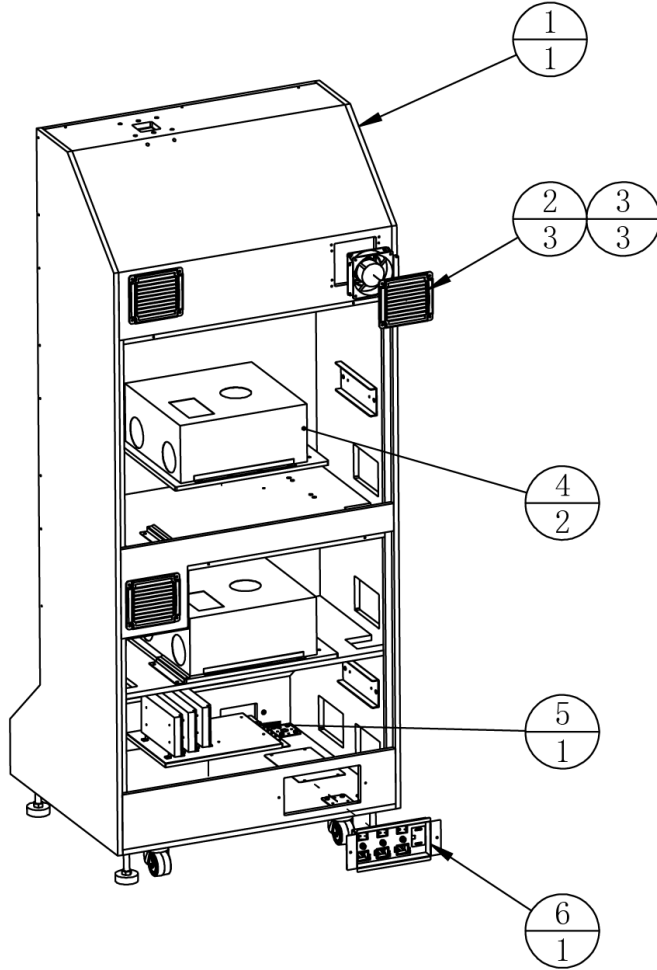
### 6.4.7 LCD Door Assembly



3		Lock	FM666	1	
2		locking plate	5cm(004号 )	1	
1	APC-0207B01	Monitor Door	MDF-15.0T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

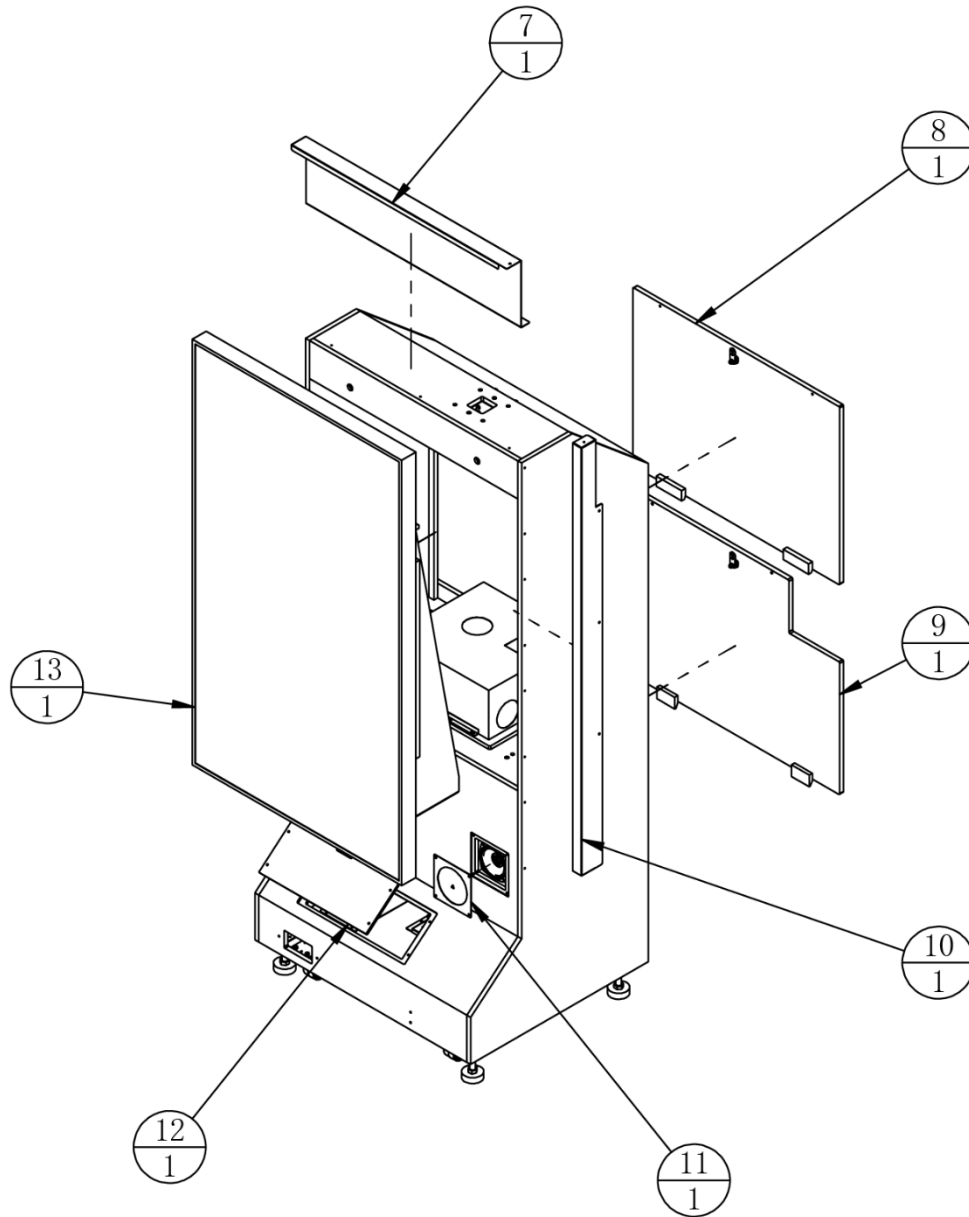
# 6.5 Right LCD Frame Assembly

## 6.5 Right LCD Frame Assembly (1 of 2)



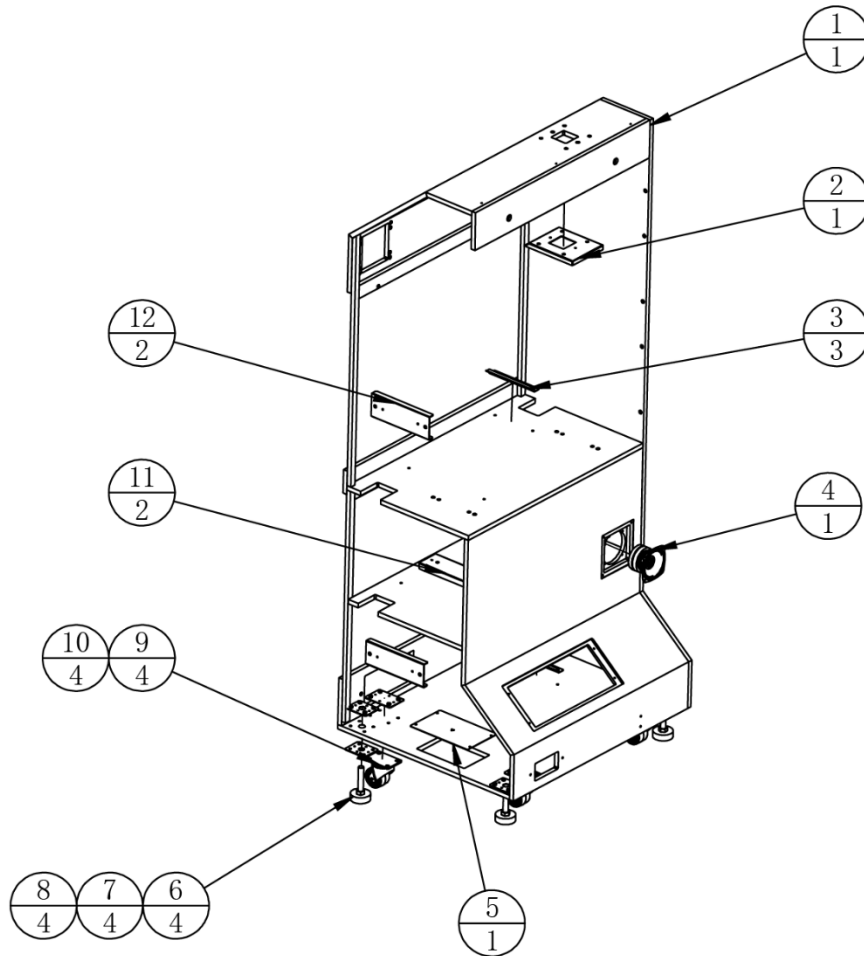
6	APC-0302000	Power Switch Assembly		1	
5	APC-0303000	Power Box Assembly		1	
4	APC-0204000	Mainframe Assembly		2	
3	ATC-0209000	Fan assembly		3	
2	TMW-0302G01	Plastic Ventilation Net	253-5460	3	
1	APC-0301000	Right Wooden Frame Assembly		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

## 6.5 Right LCD Frame Assembly (2 of 2)



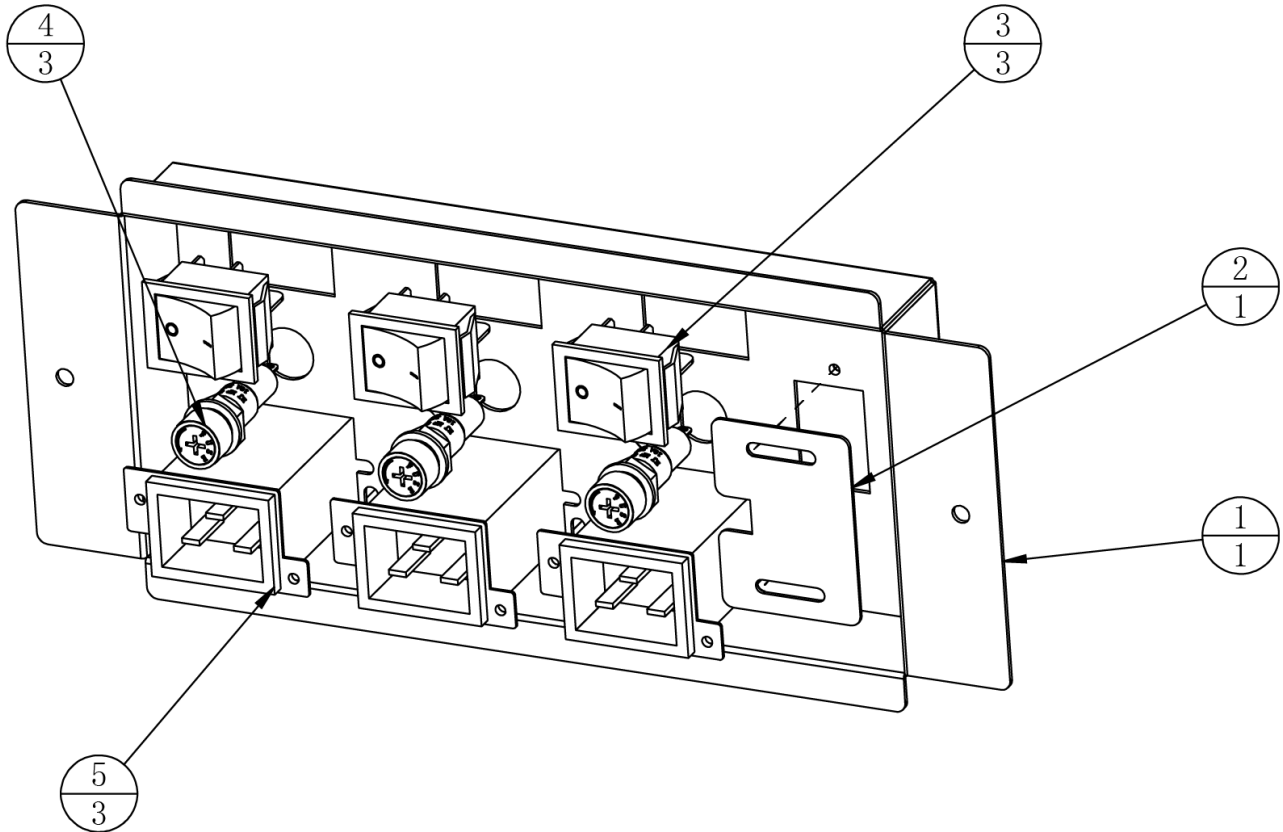
13	APC-0305000	Right LCD Assembly		1	
12	APC-0200B01	LCD lower cover	MDF-15.0T	1	
11	APC-0200A02	Speaker cover	SPCC-1.2T	1	
10	APC-0300A02	Right monitor side cover	SPCC-1.5T	1	
9	APC-0304000	Host Door Assembly		1	
8	APC-0207000	Liquid Crystal Door Assembly		1	
7	APC-0300A01	Right monitor back cover	SPCC-1.0T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.5.1 Right Wooden Frame Assembly



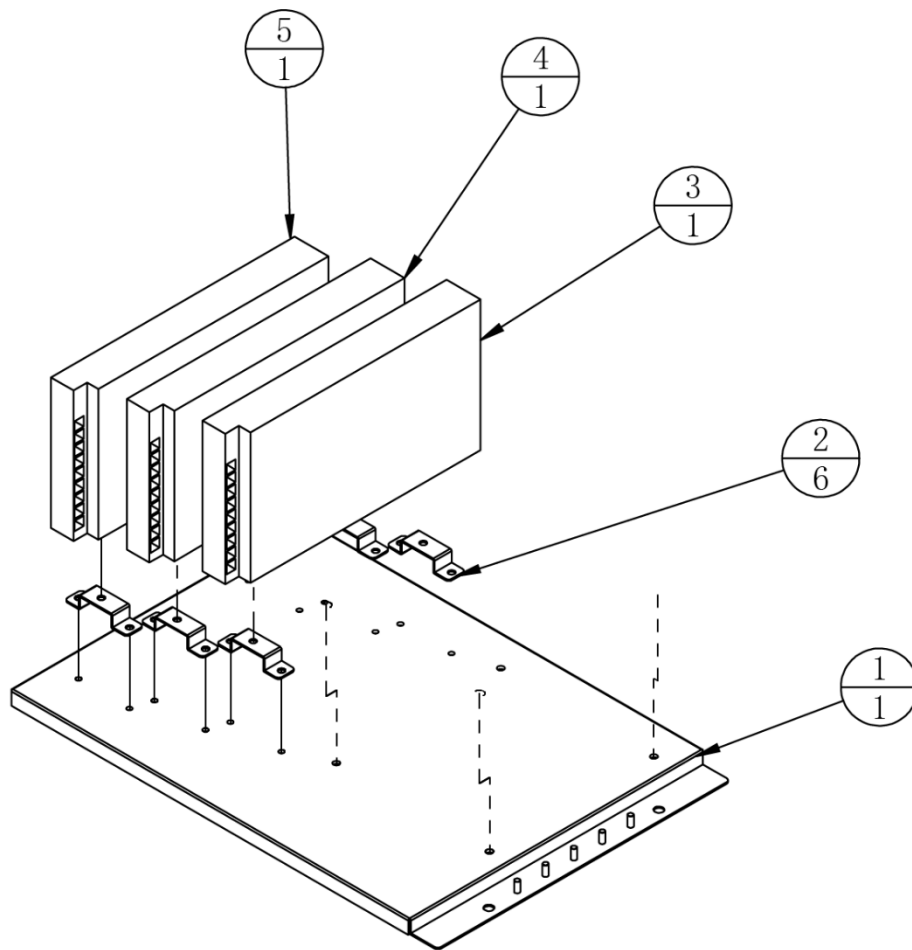
12	APC-0301A02	Frame reinforcement plate	SECC-2.0T	2	
11	APC-0201A02	Monitor reinforcement plate	SECC-2.0T	2	
10	ATV-0201A06	Caster fixing iron	SPCC-2.0T	4	
9	TMW-0101G01	Movable casters	2.5'	4	
8	ATV-0201A05	Ground screw fixing iron	SPCC-2.0T	4	
7	ATV-0201A07	Baseboard	SPCC-2.0T	4	
6	TMW-0102G03	Ground Screw (Rubber Bottom)	M16*100	4	
5	APC-0301A01	Ventilation net plate		1	
4	TMW-0401H09	Speaker	4' 8Ω Golden 60W	1	
3	APC-0201A01	Host Limit Plate	SECC-1.5T	3	
2	APC-0201A05	Light box reinforcement plate	SPCC-2.0T	1	
1	APC-0301B01	Right monitor frame		1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

## 6.5.2 Power Switch Assembly



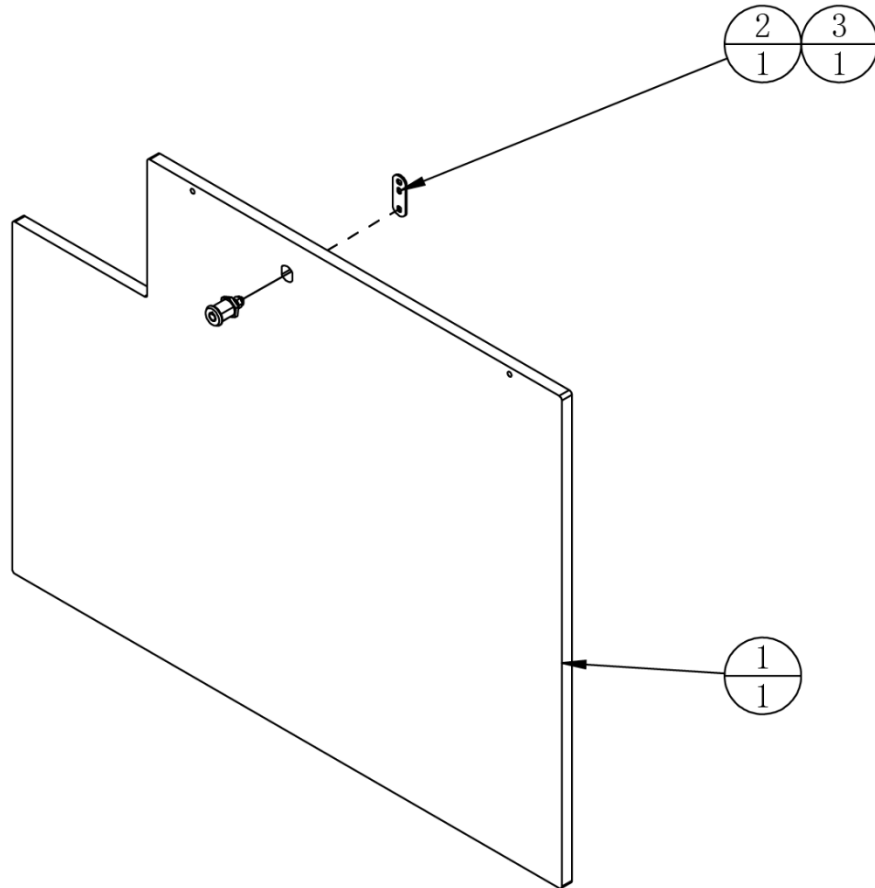
5	TMW-0105H03	Filter	MA03102200 20A/250V	3	
4	TMW-0104H01	Fuse Cartridge	MF527A ( 6*30)	3	
3	TMW-0103H02	Boat-shape Switch	SJ3-121-2-BK/BK-P2	3	
2	APC-0302A02	Cable cover	SPCC-1.0T	1	
1	APC-0302A01	AC power supply	SPCC-1.2T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.5.3 Power Box Assembly



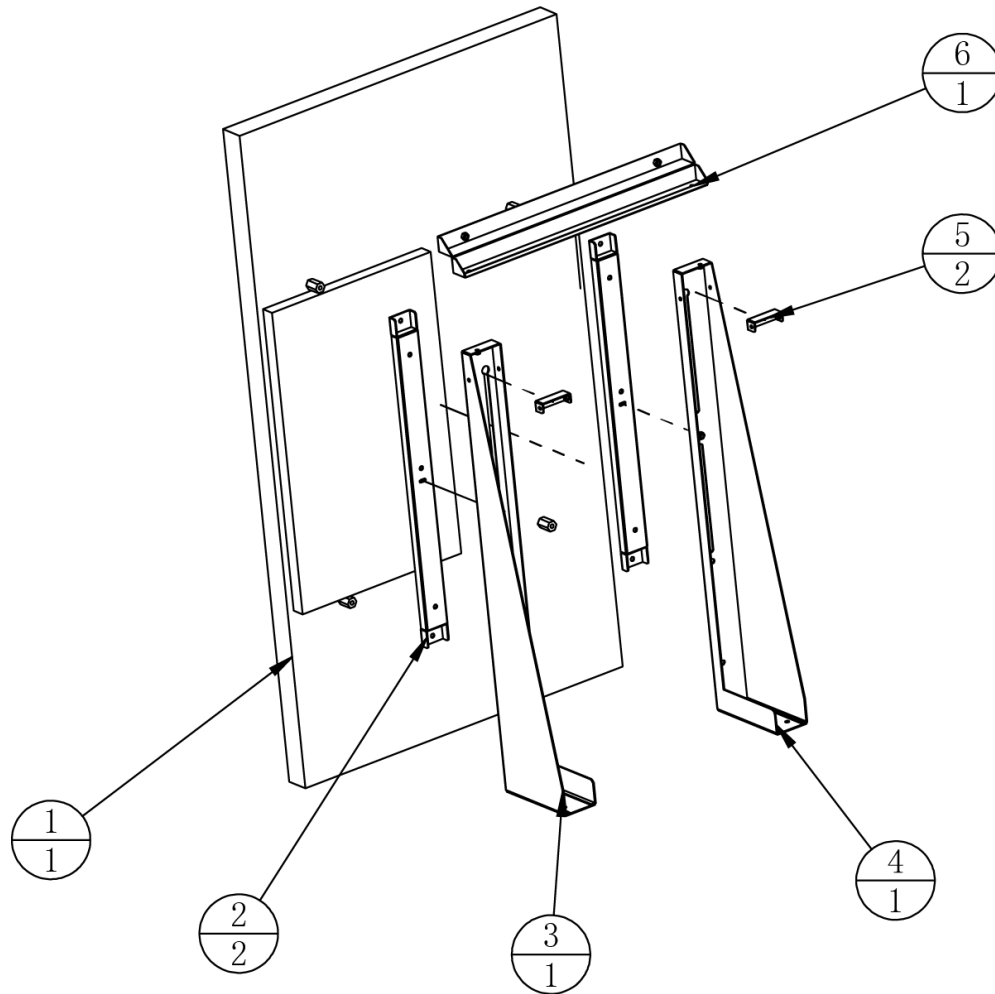
5	TMW-0102H04	Power Box	LRS-350-5	1	
4	TMW-0102H02	Power Box	LRS-350-24	1	
3	TMW-0102H01	Power Box	LRS-350-12	1	
2	APC-0303A02	Power supply fixing plate	SECC-1.2T	6	
1	APC-0303A01	Transformer fixing plate	SECC-1.2T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

### 6.5.4 PC Door Assembly



3		Lock	FM666	1	
2		locking plate	5cm(004号 )	1	
1	APC-0304B01	Lower right door	MDF-15.0T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

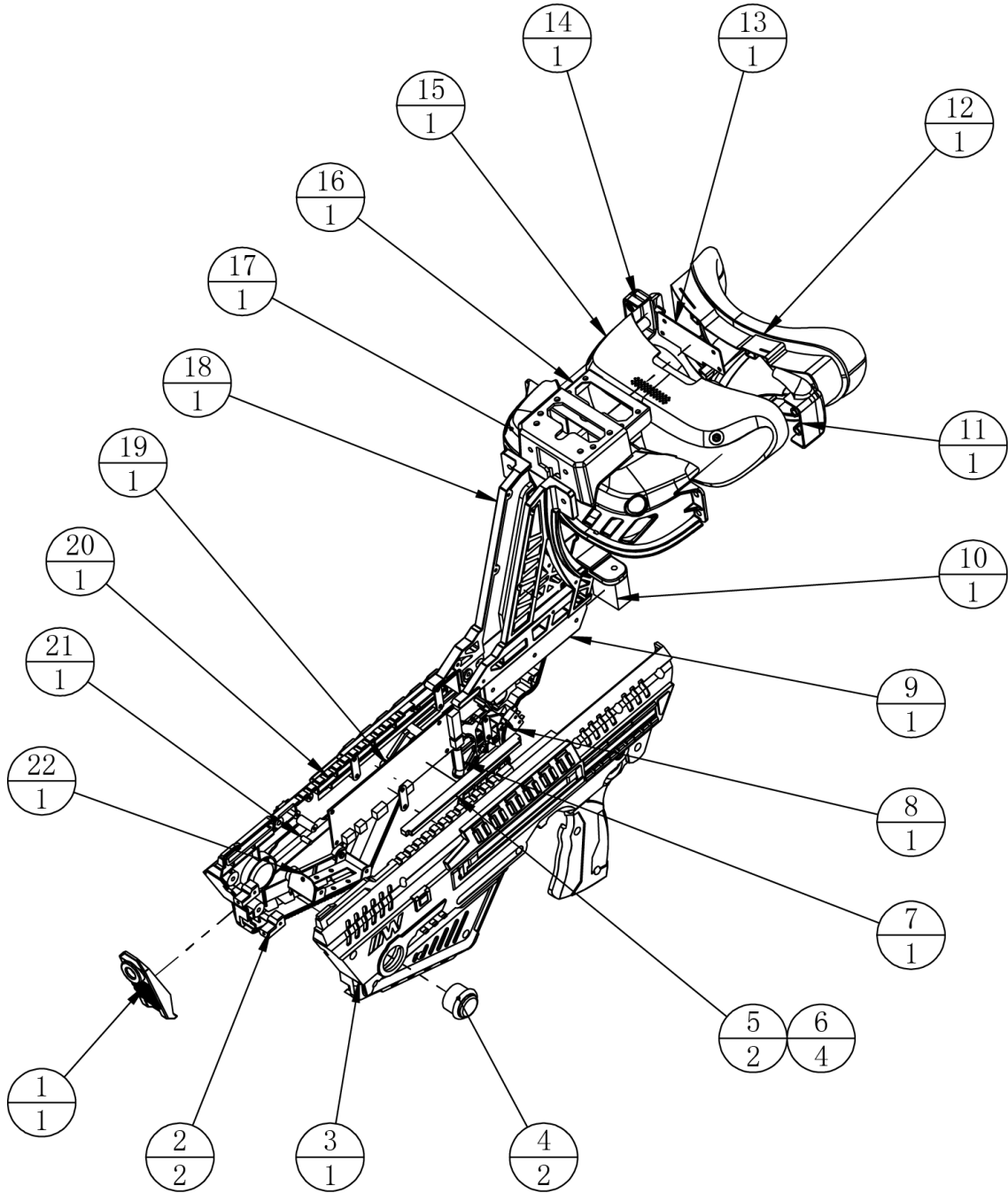
## 6.5.5 Right LCD Assembly



6	APC-0203A03	Monitor support plate	SPCC-1.5T	1	
5	APC-0203A05	Limit plate	SPCC-2.0T	2	
4	APC-0203A02	Monitor left fixing plate	SPCC-2.5T	1	
3	APC-0203A01	Monitor right fixing plate	SPCC-2.5T	1	
2	APC-0203A04	Monitor pad	SPCC-2.0T	2	
1	TMW-0201H11	Monitor-right side	65" LCD Ultra Narrow Bezel	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

# 6.6 Controller Assembly

## 6.6 Console Assembly (Diagram)

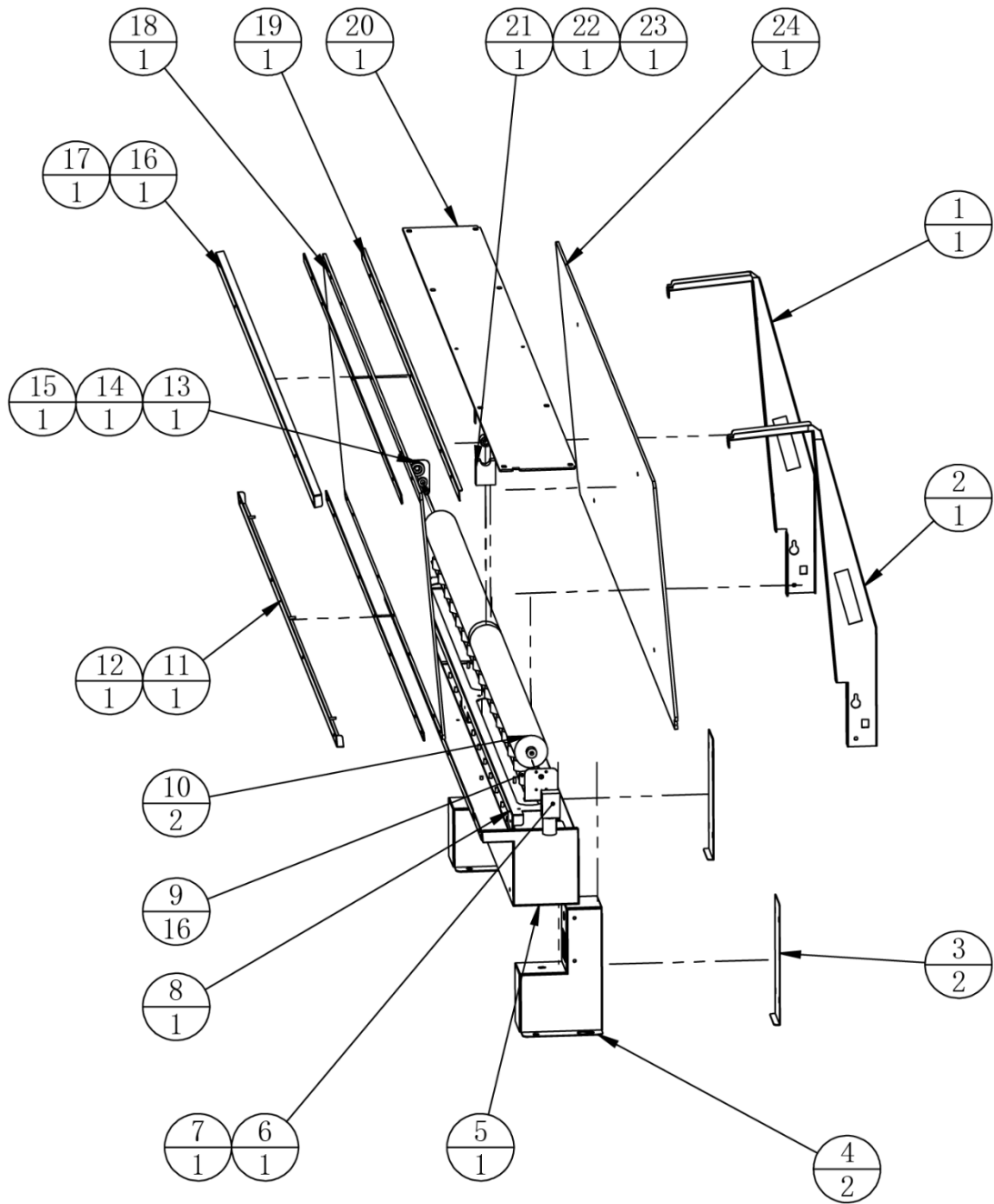


## 6.6 Console Assembly (Table)

22	APC-0400A01	Gun rack	SECC-1.0T	1	
21	APC-0400A06	Rope fixing bar	SUS304	1	
20	APC-0400C02	Controller cover right	ABS	1	
19	APC-0401F01	Controller Sub IO PCB	FM-B0-04-01-01H	1	
18	APC-0400C05	Right bracket	nylon	1	
17	APC-0400C07	Helmet shell	ABS	1	
16	APC-0400A05	Upper fixing plate	SECC-1.2T	1	
15	TMW-0210H14	VR Headset	DPVR E4	1	
14	APC-0400C08	Right limit	ABS	1	
13	APC-0400A02	Back cover	SPCC-1.0T	1	
12	TMW-0210H14-01	Mask of VR Headset	DPVR E4	1	
11	APC-0400C09	Left limit	ABS	1	
10	TMW-0401H11	Mini Speaker	MS83	1	
9	APC-0400C06	Right bracket	nylon	1	
8	TMW-0103H03	Microswitch	ss-01gl2-e	1	
7	APC-0400C01	Shoot trigger	ABS	1	
6	APC-0400A03	Lamp Fixing Tabs	SECC-1.0T	4	
5	APC-0400D01	Gun guide acrylic	PMMA-5.0T	2	
4	TMW-0301H15	Button	M4-24	2	
3	APC-0400C03	Controller cover left	ABS	1	
2	APC-0400A04	Sheath fixing block	AL	2	
1	APC-0400C04	Bumper block	PEB	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

# 6.7 Light Box Assembly

## 6.7 Light Box Assembly (Diagram)

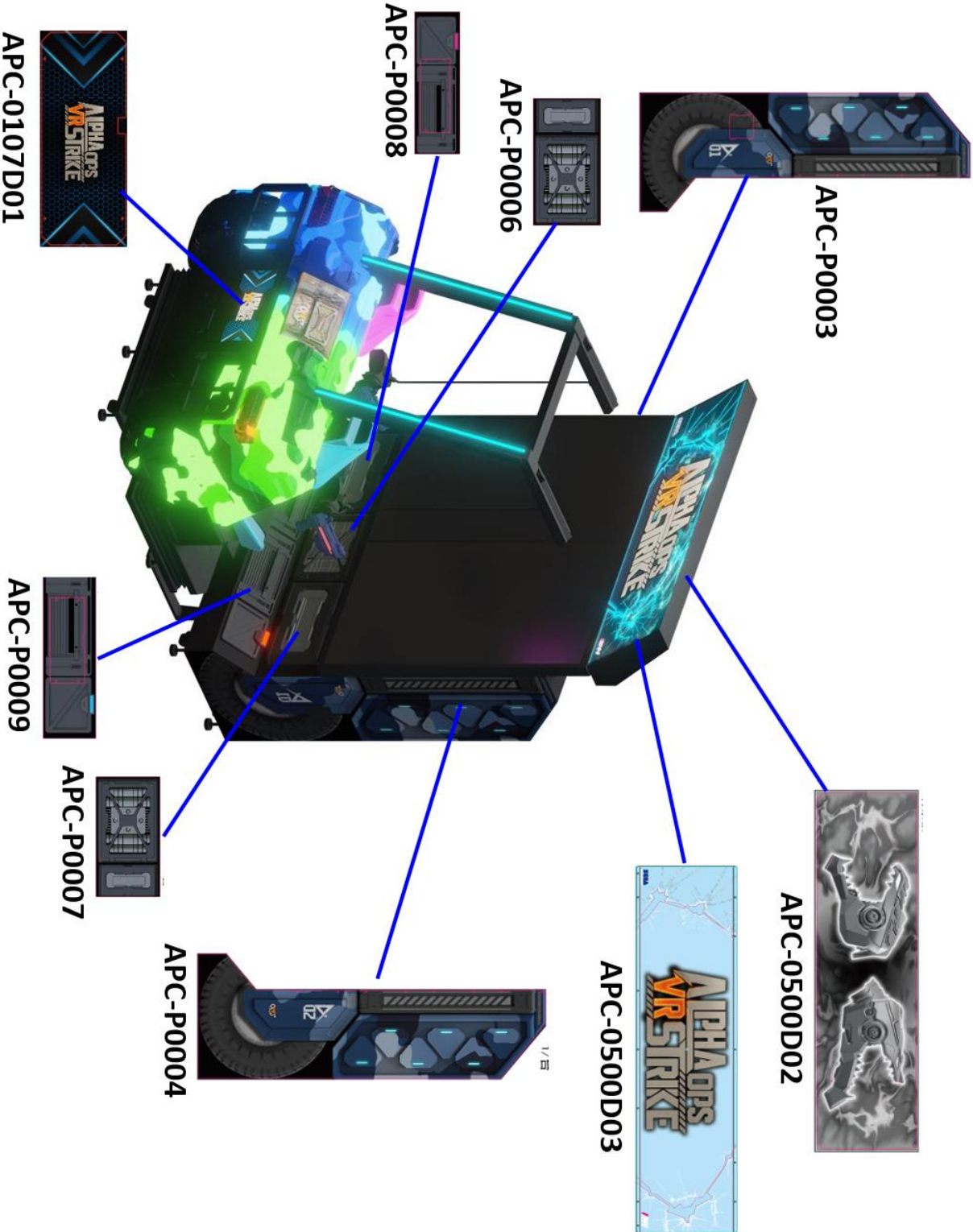


## **6.7 Light Box Assembly (Table)**

24	APC-0500D02	Background acrylic	5.0T	1	
23	APC-0500A12	Limit plate	SECC-1.2T	1	
22	APC-0500A02	Coupling	Q235	1	
21	APC-0500A07	Support base	POM	1	
20	APC-0500D01	Light box guide acrylic	PMMA-3.0T	1	
19	APC-0500A15	Blackout board	SPCC-1.2T	1	
18	APC-0500D03	LOGO Board	PMMA-5.0T	1	
17	APC-0500D04	Upper panel	PVC-2.0T	1	
16	APC-0500A08	Upper cover plate	SPCC-1.2T	1	
15	APC-0500A05	Gearing pole	Q235	1	
14	TMW-0801G23	Gear	628/8-2Z	1	
13	APC-0500A06	Gearing seat		1	
12	APC-0500D05	Lower panel	PVC-2.0T	1	
11	APC-0500A09	Lower cover palte	SPCC-1.2T	1	
10	TMW-0601G16	Acrylic tube	77cm	2	
9	APC-8002H22	BrightLEDBoard	BrightLEDBoard	16	
8	APC-0500A03	Llght bracket	SPCC-1.2T	1	
7	APC-0500A04	Motion plate	SPCC-1.5T	1	
6	TMW-0203H06	Geared motor	30 rpm 200 reduction ratio	1	
5	APC-0500A01	Light box		1	
4	APC-0500A10	Light box bracket		2	
3	APC-0500A11	Light box bracket cover	SPCC-1.2T	2	
2	APC-0500A13	Right back bracker	SPCC-1.5T	1	
1	APC-0500A14	Left back bracker	SPCC-1.5T	1	
<b>No.</b>	<b>Drawing No.</b>	<b>Name</b>	<b>Specification</b>	<b>Qty</b>	<b>Other</b>

# 7 Printing Pattern

## Printing Pattern of Cabinet



# **8 Wiring Diagram**

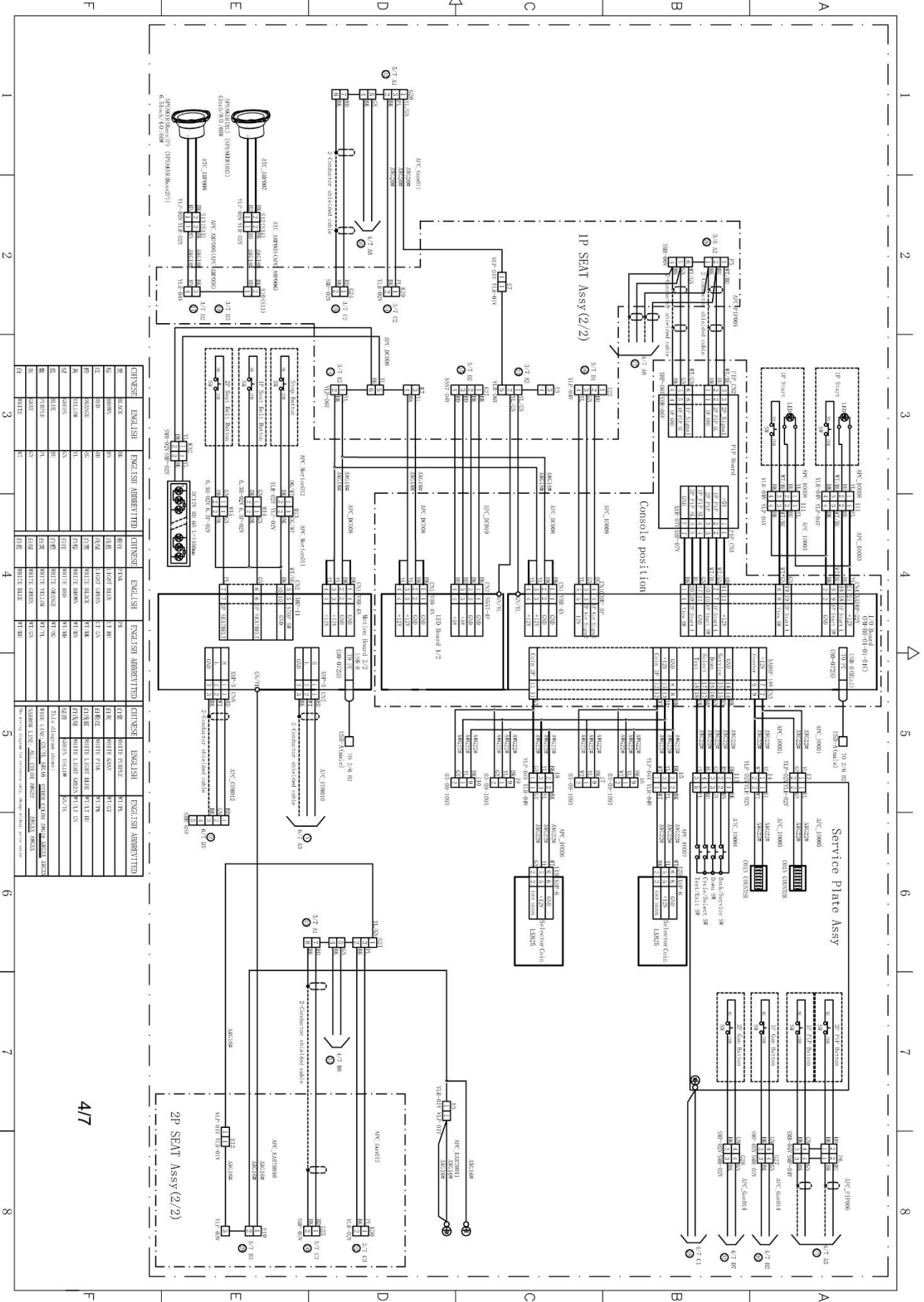
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**There are a total of 7 pages for Wiring Diagram.**









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## 9 Spares and Service Contact Information



amusements international

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**ALPHA OPS VR STRIKE  
User Manual**

