

ASPHALT LEGENDS ARCADE 9

OWNER'S MANUAL

Ver.1.00



⚠ WARNING

- For safety reasons, please read the manual first before plugging in machine.
- Please keep this manual properly for convenient reference as needed.
- The machine specifications or the information in this operation manual may be change without prior notice.

About This Manual

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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After-sales Service

1. Safety Precautions

1.1 Warning Stickers

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

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

The owner shall pay attention to the followings when placing, checking and repairing machine to insure 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.
- Don't touch the power plug with a wet hand to avoid electric shock.
- Don't expose the power cord/grounding line on the passageway. Failure to do this will damage the power cord, causing electric shock or short circuit.
- Don't lay anything near 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 distributor 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 can't 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

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 can't touch the pedal.
 - 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

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. If not, 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. Don't 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 1)
 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.

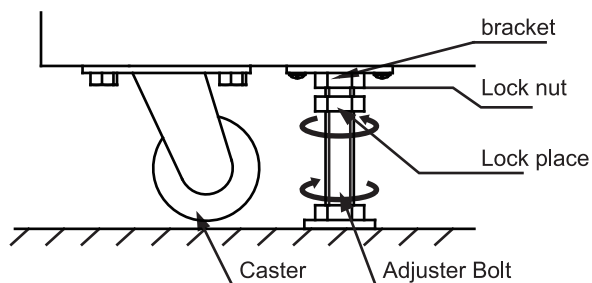


Diagram (1)

- Provide a space of minimum 30cm between the rear of the machine and the wall for good ventilation and heat emission (See diagram 2 and diagram 3).

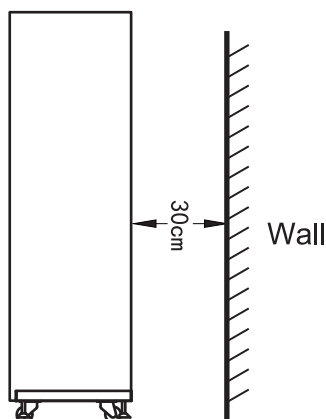


Diagram (2)

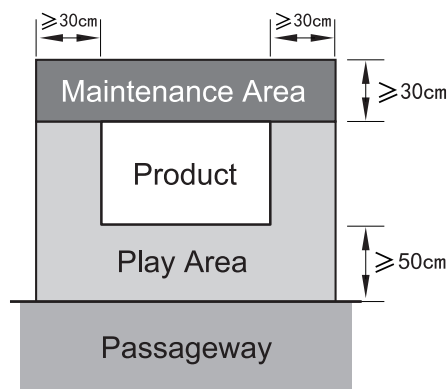
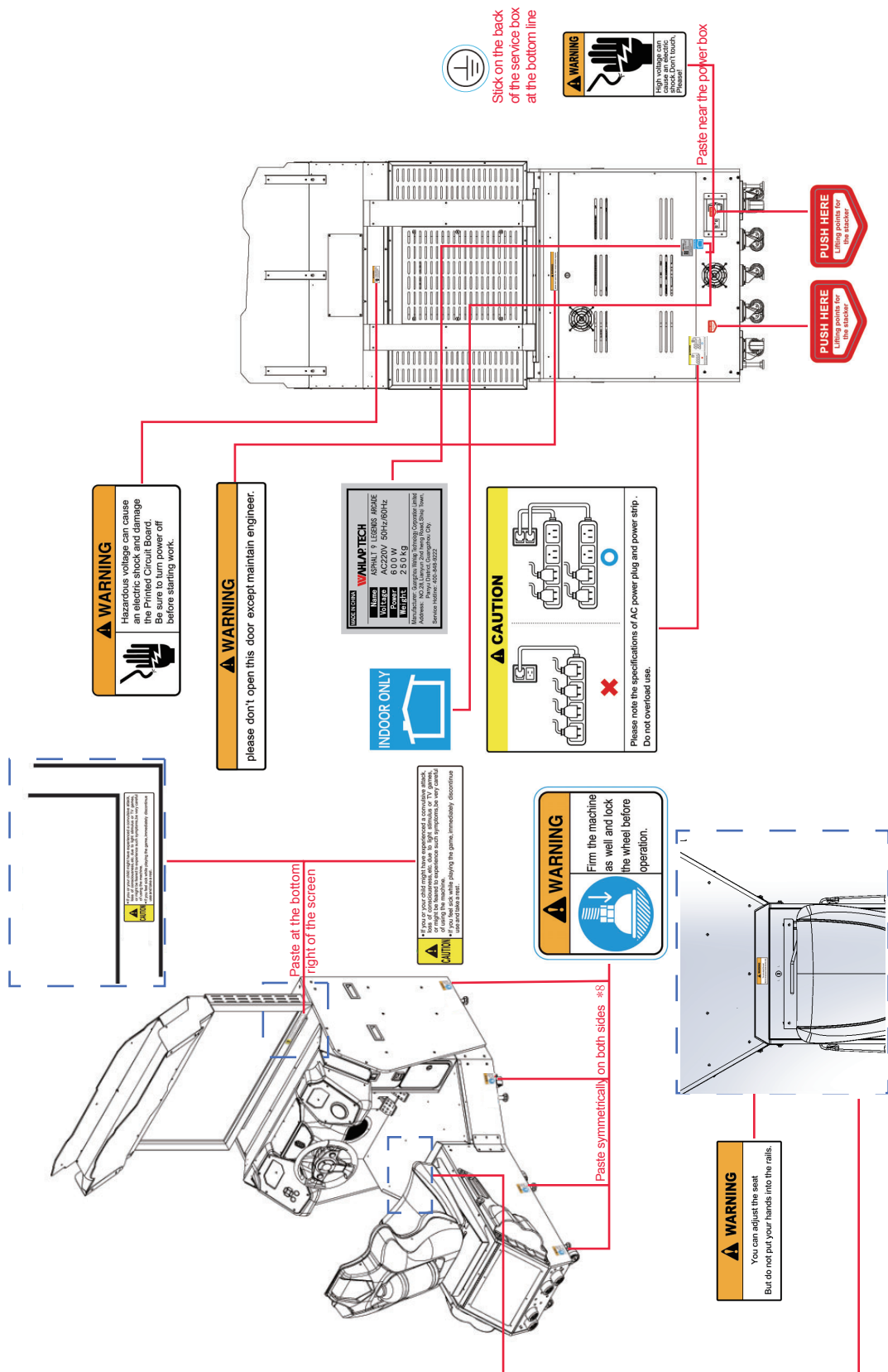


Diagram (3)

1.7 Caution & Warning Stickers

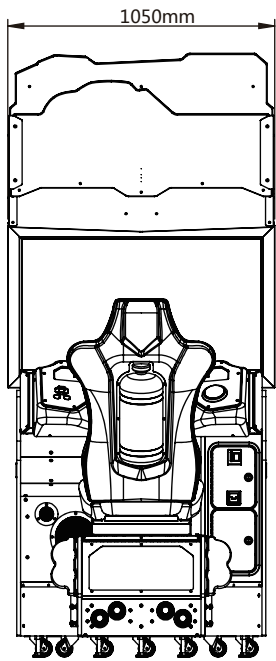


2. Product Description

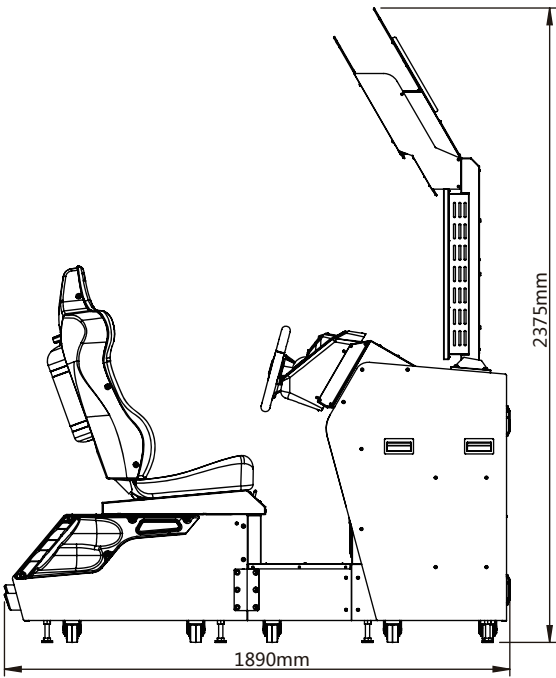
2.1 Product Specification

■ Location	Indoor Only
■ Dimension	1050(W)×1890(D)×2375(H) mm
■ Rated Voltage、Frequency	AC220V 50HZ /60HZ
	AC110V 50HZ /60HZ
■ Power Consumption	600W
■ Weight	250kg
■ Temperature Range	5~40 °C

* 110V voltage can be set through the transformer and fuse. Please contact the distributor for details.
NOTE:The contents herein described are subject to change without notice.



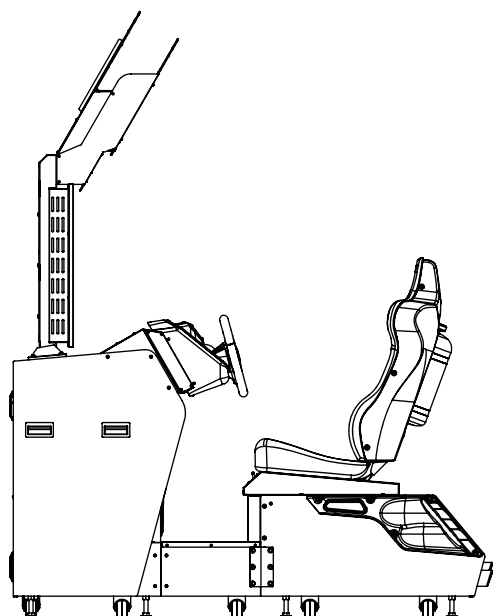
■ Front View



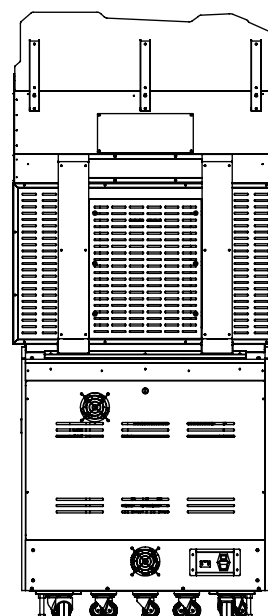
■ Side View

2.2 Overview

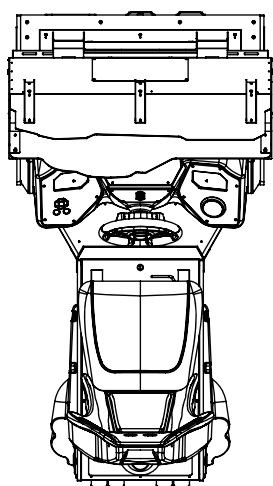
■ Side View



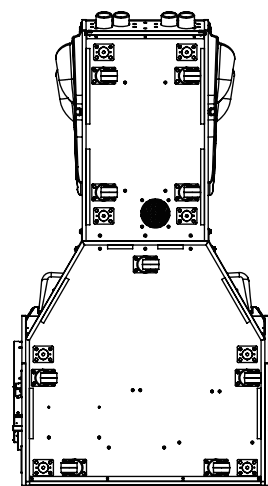
■ Rear View



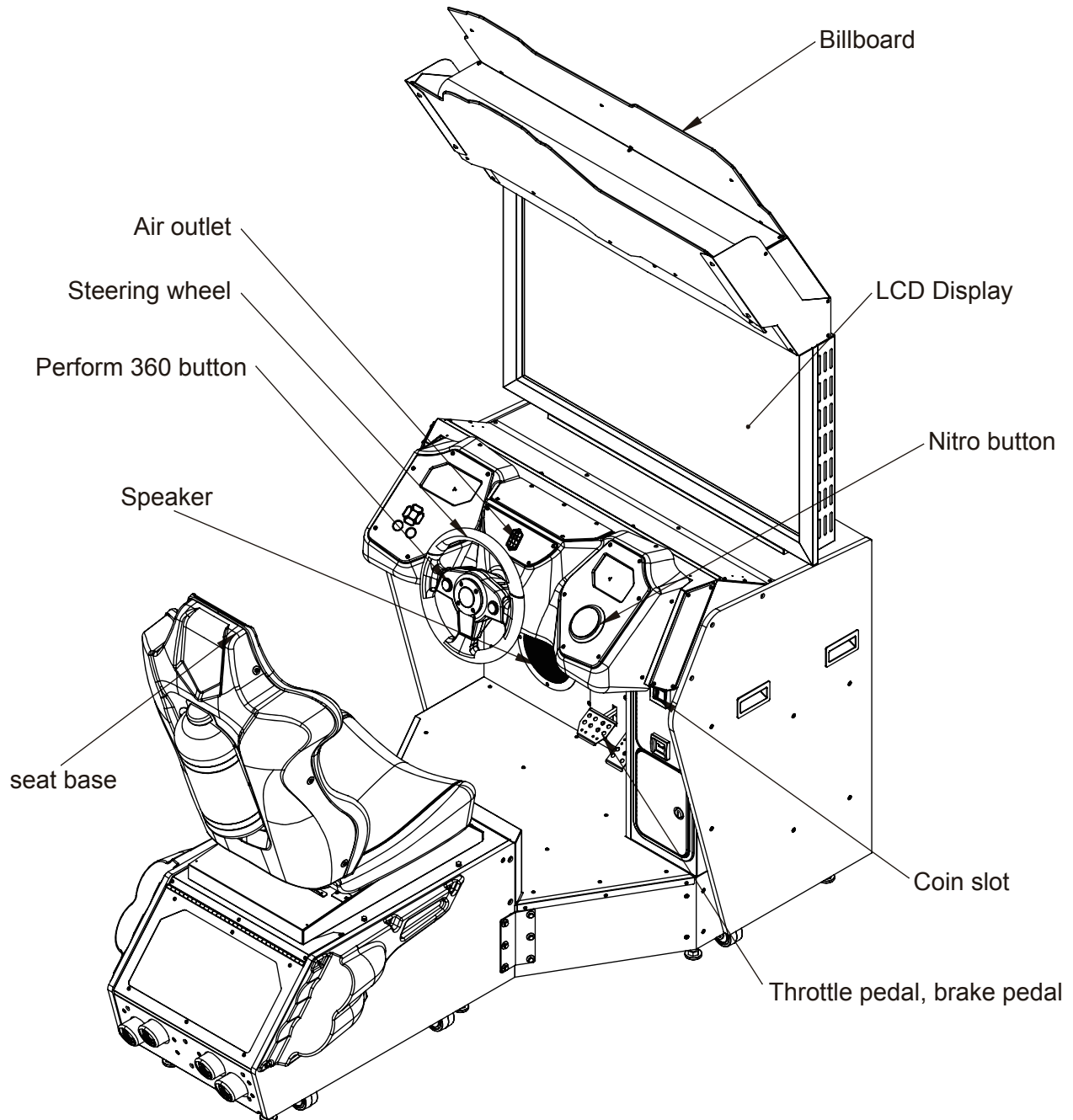
■ Top View



■ Bottom View



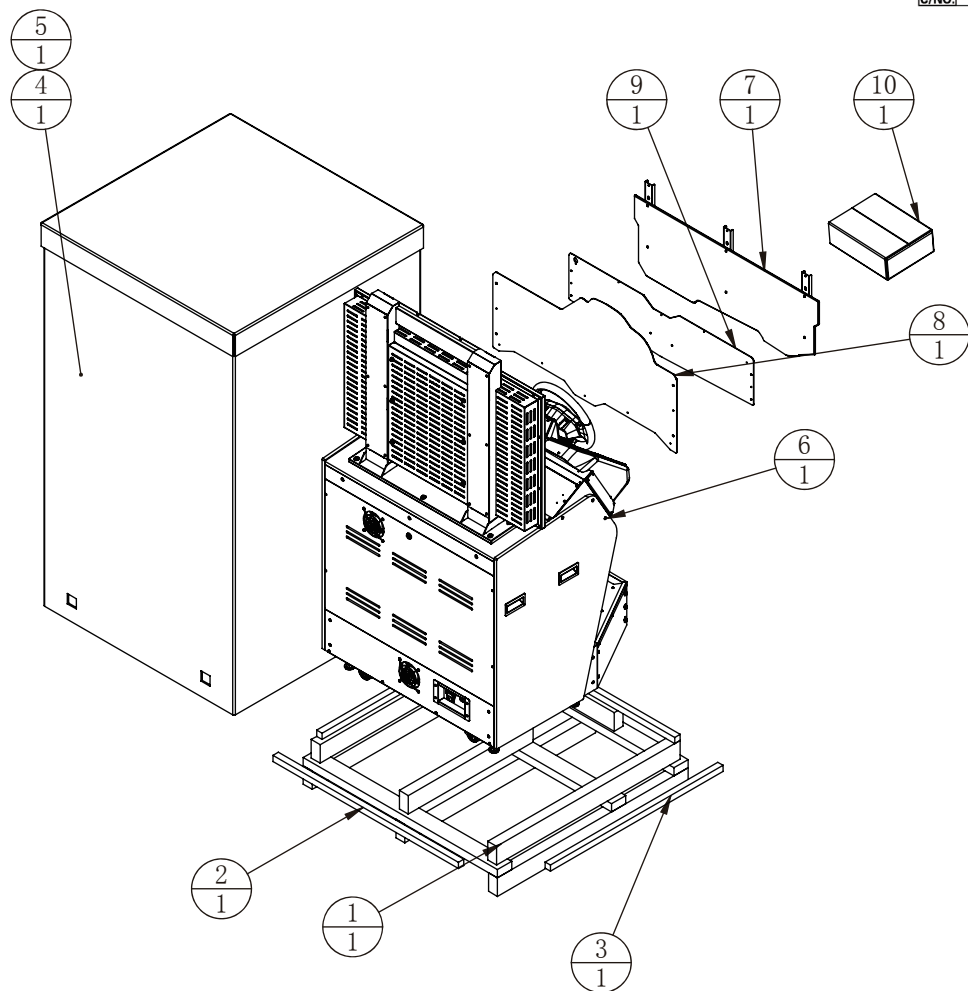
2.3 Parts Name



2.4 Shipment List

■ Packing Carton 1

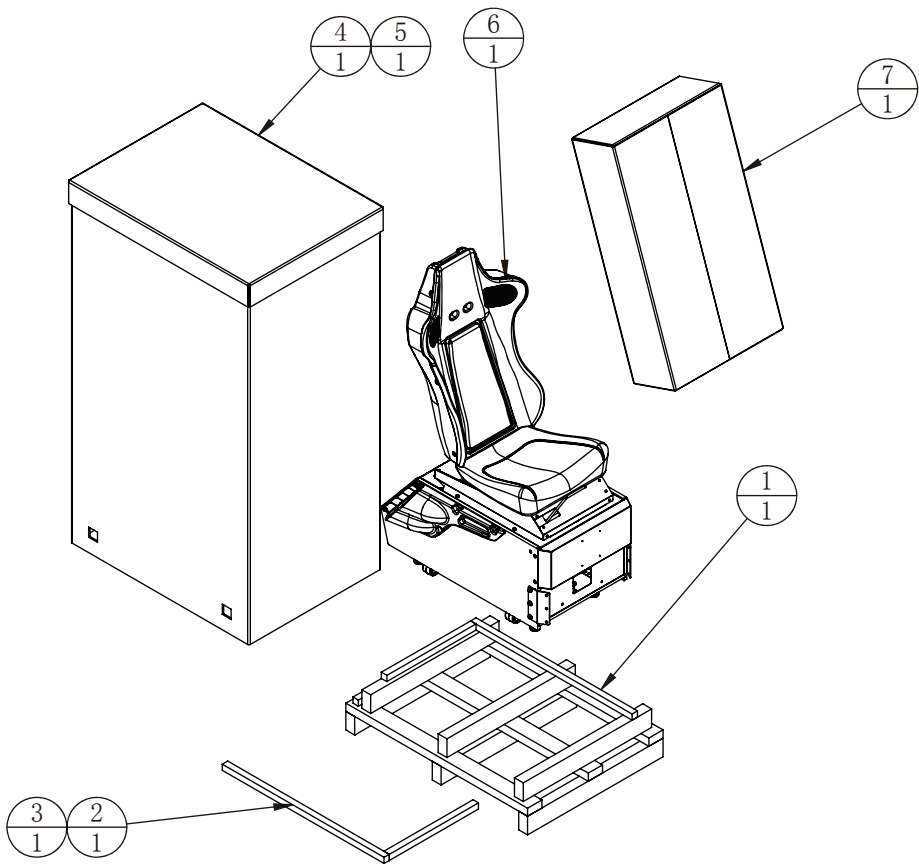
产品名称	ASPHALT
箱体重量	183 kg
箱体尺寸	1090 × 1070 × 1990 mm (W) (D) (H)
箱体备注	液晶屏箱体、灯箱装饰亚克力 组件、灯箱车厂亚克力、灯箱 机种各亚克力、附属品箱
C/NO.	1/2



10		Accessory List	External dimensions: 345*255*110mm	1	
9	A9-P0003	Dengxiang garage acrylic	PMMA-5.0T	1	
8	A9-P0001	Several kinds of acrylic light boxes	PMMA-5.0T	1	
7	A9-0404000	Acrylic component for lamp box decoration		1	
6		A9 LCD screen frame		1	
5	A9-9901E05	Top cover of LCD screen frame	water-2C 850g T-7	1	
4	A9-9901E04	Enclosure of LCD screen frame	water-2C850g T-7	1	
3	A9-9901E03	limit wood 2	wood	1	
2	A9-9901E02	limit wood 1	wood	1	
1	A9-9901E01	Liquid crystal frame floor stand		1	
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

■ Packing Carton 2

产品名称 Product Name	ASPHALT 5
箱体重量 Box Weight	130 kg
箱体尺寸 Box Size	1020 × 760 × 1890 mm (W) (D) (H)
箱体备注 Box Remark	座椅组、灯箱装箱
C/NO.	2/2
条形码粘贴处	



7	A9-9903000	Box packing of light box		1	
6		A9 seat group		1	
5	A9-9902E05	seat coaming	water-2C 850g T-7	1	
4	A9-9902E04	seat cover	water-2C850g T-7	1	
3	A9-9902E03	limit wood 5	wood	1	
2	A9-9902E02	limit wood 4	wood	1	
1	A9-9902E01	seat Platform		1	
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

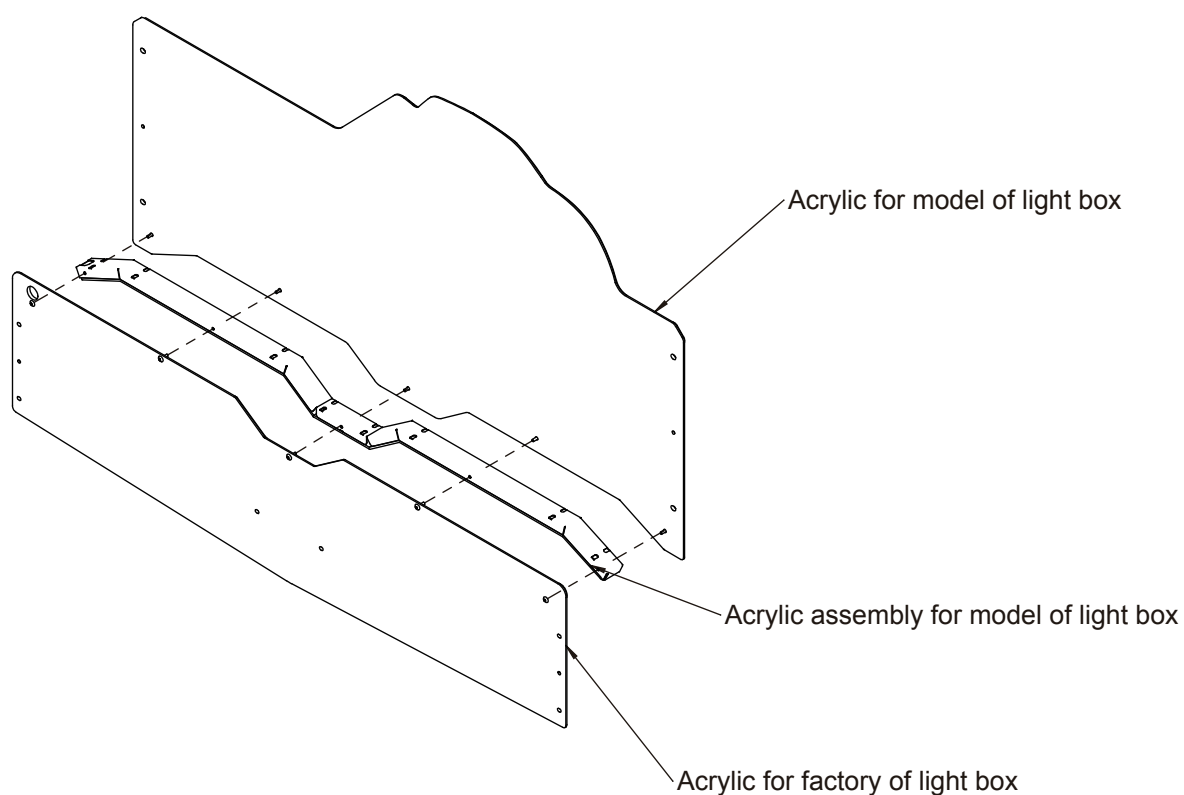
2.5 Packing List

Please check the following items after purchasing our product. If any part missing or damaged, please contact our sales person!

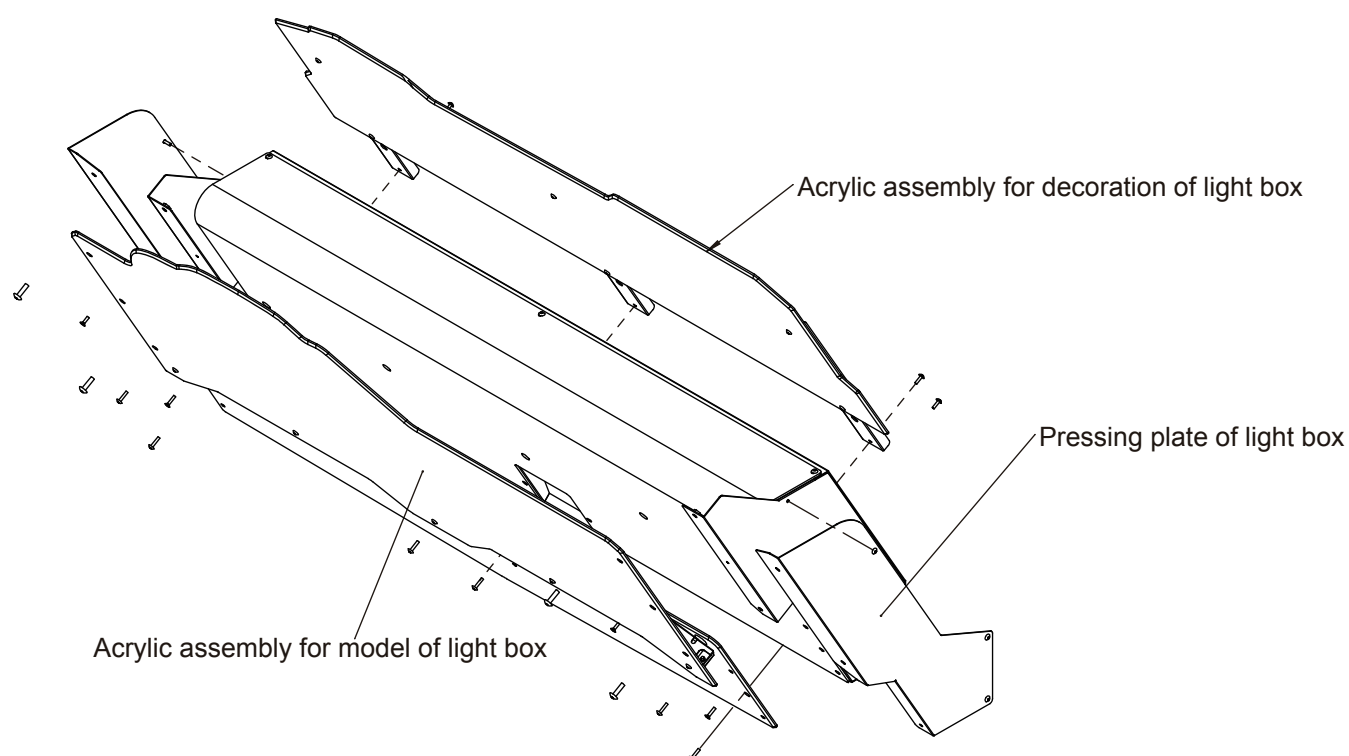
Description	Specification	Quantity	Remarks
Lexus key		2	
external hex socket screw	M6*40 (Black)	10	
plain washers	Φ6*Φ20*2.0 (Black)	10	
spring washer	M6 (Black)	10	
Hexagon triple combination	6*16*12*1.2 (Black)	8	
hex socket cap screws	M4*12 (Black)	6	
hex socket cap screws	M4*16 (Black)	4	
hex socket cap screws	M6*20 (Black)	4	
hex socket cap screws	M4*12 (chrome)	4	
hex socket cap screws	M4*12 (chrome)	10	
hex socket cap screws	M4*16 (chrome)	2	
network cable	AMP Gigabit Ethernet Cable 5M	1	
ac cable	3m (1.0mm ²)(Slanted foot)	1	
Fuse tube	F8A/5*20 250V	1	
manual	Copperplate paper	1	

2.6 Install Direction

I . Installation of Light box assembly

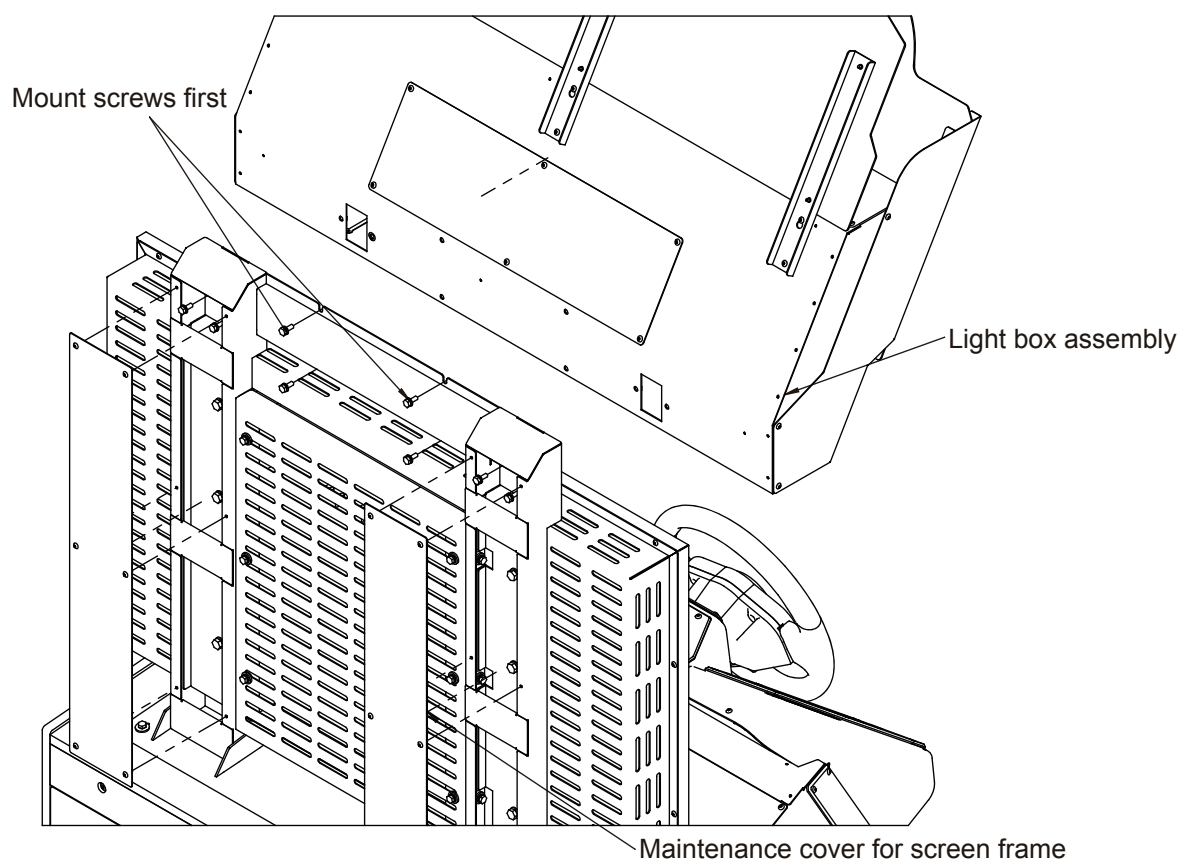


1. As shown in the figure, use 10 hexagon socket large flat head screws M4*12 (chrome plated), fix acrylic for vehicle factory of light box, and acrylic for model of light box in turn.



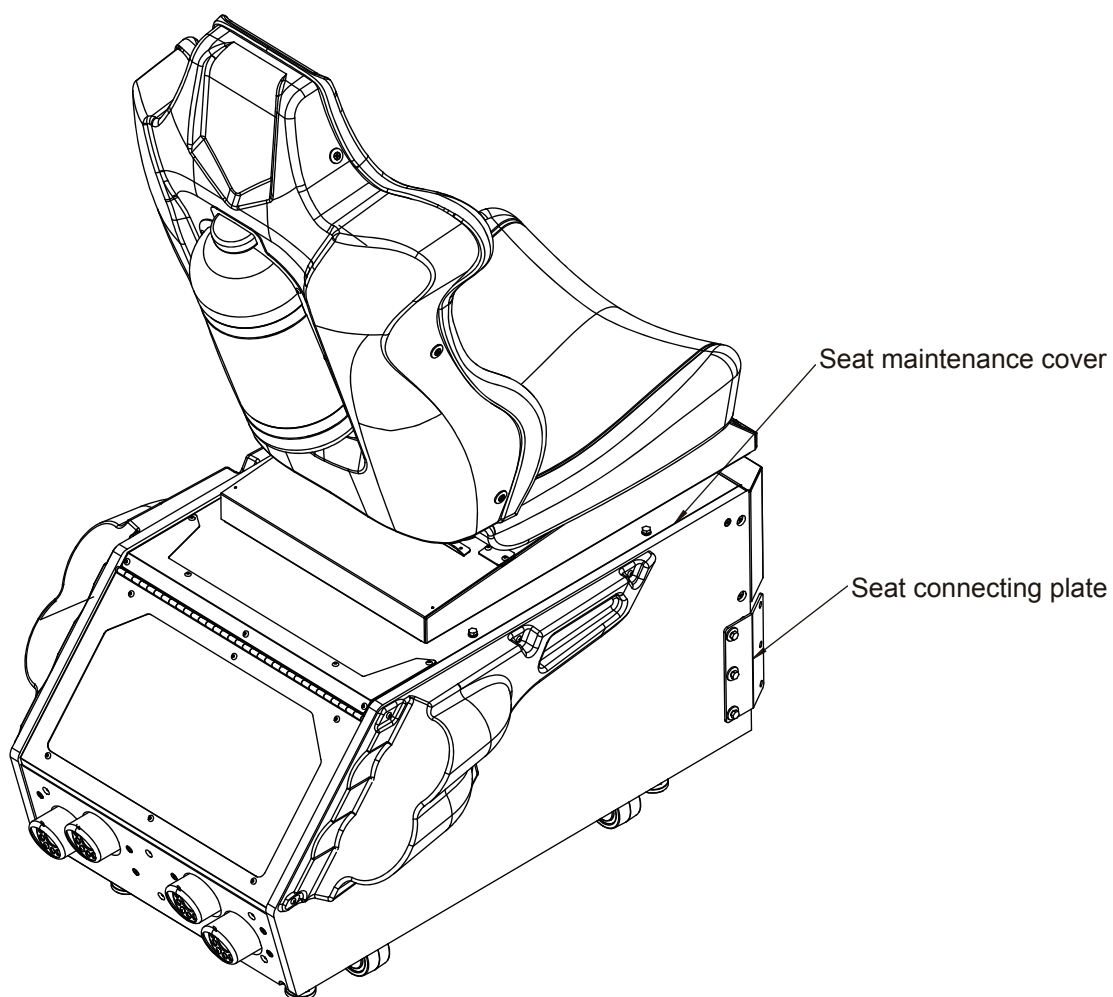
2. Remove the pressing plate for light box, use 4 cross countersunk head screws M4*12 (chrome plated), and 2 hexagon socket large flat head screw M4*16 (chrome plated) to fix acrylic assembly for model of light box. Install the pressing plate for light box in reverse order.
3. Connect the wire as shown in the figure. Use 6 hexagon socket large flat head screws M4*12 (black plated) to fix the acrylic assembly for decoration of light box.

II. light box connection installation

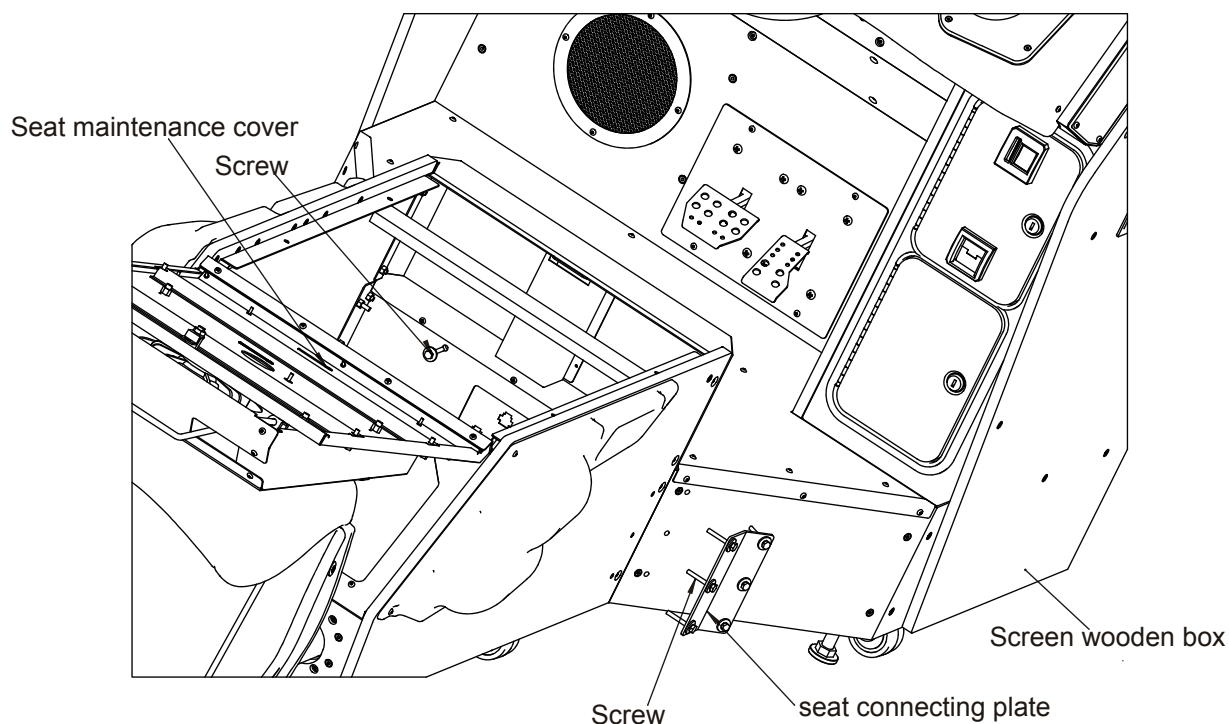


1. Remove the maintenance cover for screen frame.
2. First screw on 2 outer hexagonal three-combination screws 6*16*12*1.2 (black plated) (screw on half length).
3. As shown in the figure, use 6 outer hexagonal three-combinations screws 6*16*12*1.2 (black plated) to fix light box assembly (Fix the screws installed first) During installation, the light box assembly must be supported to prevent it from falling off.)
4. Connect the wire, and install the maintenance cover for screen frame.

III. Seat connection and installation



1. Remove the seat connecting plates (including one at the opposite side) and screws of seat maintenance cover (4).



2. As shown in the figure, fix the seat and the seat connecting plate (including the one at opposite side) with 12 outer hexagon screws M6*40 (black plated) (with flat pad and spring pad).
3. Open the seat maintenance cover, and use 4 outer hexagon screws M6*40 (black plated) (with flat pad and spring pad). Connect the screen wooden box, connect the wire, and install the screws for seat maintenance cover in reverse order.

Special attention: When special case occurs in shipment, please check “Installation guide” in attachment box of shipment, and make assembly according to installation guide; special supplement will not be made in this instruction.

2.7 Warranty

■ Scope

- Inquiry regarding product can be assisted for free.
- The warranty scope for consumables and durables may differ from product to product. Please contact our after-sales service center for detailed information. The right of final interpretation is reserved.

■ Exclusive

- Damage caused by force majeure such as god will.
- 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.

■ Non-warranty Consumables

- Light tube and bulb
- Button lamp and switch
- Fragile items
- Solenoid
- Other spare parts

3. Game Description

3.1 Appearance Design

1. Red is the main color for the appearance of the whole product, which represents speed and passion; auxiliary element for the appearance of the machine. With the red lines full of water flowing style as the major, it can not only make the whole product look gorgeous and dynamic visually, but also let the player having real sensing of participating in the exciting wild racing;
2. The machine name is equipped with lighting, bright and conspicuous; the top and sides are set with the racing cars as the background; with sparks and tilting car bodies, the intensity of the racing field is highlighted. The visual impact presented by the whole machine will let the player have a kind of eager to try, and the impulse to conquer the racing field;
3. For the thickness and texture of the steering wheel, the linear shape of seat for the back, waist and hip, and the changes in movement, all of them are designed with reference to the real racing car, which is very consistent with the ergonomics and kinematics, so as to replicate the real racing environment for players as completely as possible. In addition, vibration speaker, fan and steering wheel force feedback system are used to simulate driving behaviors such as collision, bumping, steering and acceleration. Bring the real racing experience to the player;
4. In terms of lighting, whether it is the lighting from top light box, console, seat or exhaust tube light, it will change correspondingly depending on the actual game operation of player (acceleration or braking). The lighting is eye-catching and gorgeous, which is accompanied by dynamic music, it can well catch the eye of the onlookers.

3.2 Game introduction

This game is a racing entertainment machine authorized officially by famous mobile game "Asphalt 9: Legends"; with the using of vibrating speakers, fans and steering wheel force feedback system, it can simulate collision, bumping, steering, acceleration and other driving behaviors, and bring real racing experience for players.

Famous luxury cars authorized, realistic and delicate cars and scenes, and special effects for wild racing, it breaks through the player's imagination for racing games; multiple modes to get the car drawings and upgrade the car, making the racing more exciting with better results.

3.3 How to play

Four Kinds Of Mode:

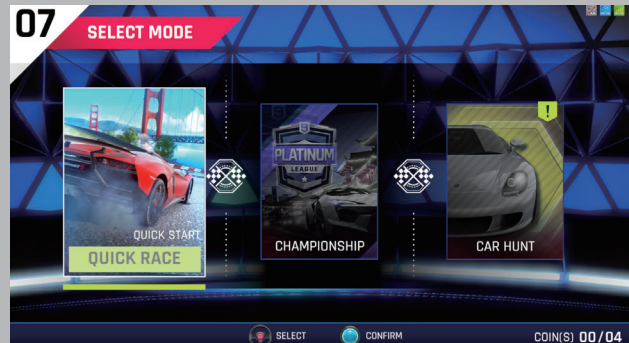
- (1) Multiplayer: Allowing 4 player to battle. Compete with your friends!
- (2) Quick Race: Set the fastest record for each route, set a new record!
- (3) Championship: Challenge 5 league with each supercar. Complete the stage missions and each league to win the highest honor!
- (4) Car Hunt: Accumulate points during the season to win blueprints for specific cars! The more points you win the better rewards you get!

Multiple Stunts: Use Nitro, 360 Stunt, Barrel Roll and other awesome stunts!

3.4 Game Controls

In addition to the basic throttle and brake controls in the game, the other controls are as follows:

1. Turning the steering wheel left / right to select options.



2. Turning the steering wheel to the left or right could make turns.



3. Press the Nitro Button to use Nitro in the game.



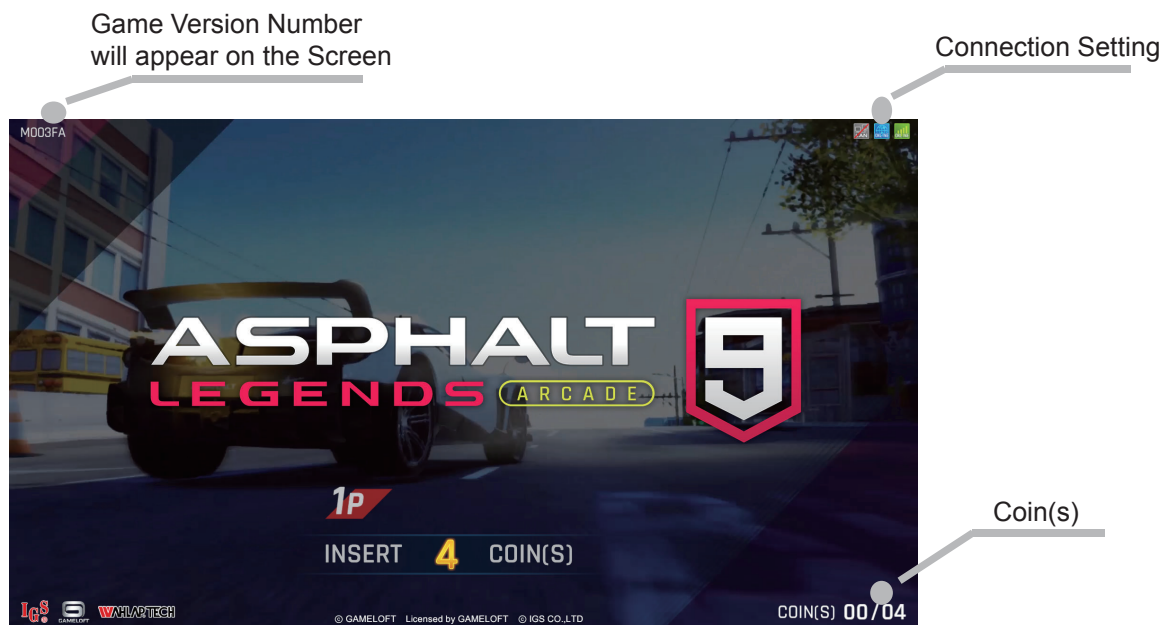
4. Press the Wheel Button to perform 360 Stunts in the game.



3.4.1 Description of the game control keys



3.4.2 Instruction Of The Game Display

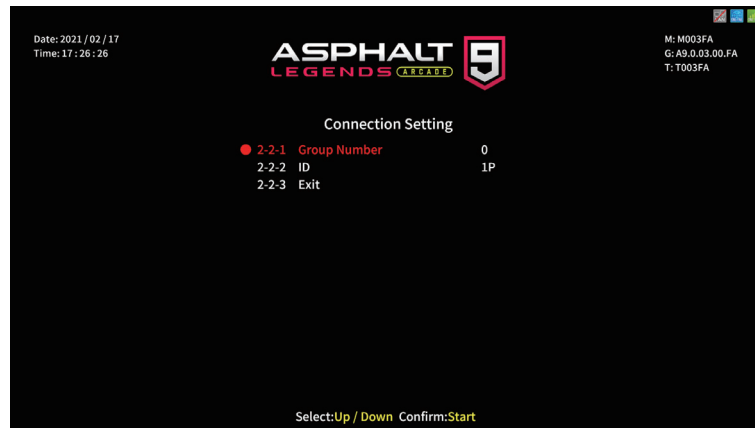


4.Using the Operator Settings

4.1 Installation

4.1.1 Connection Setting

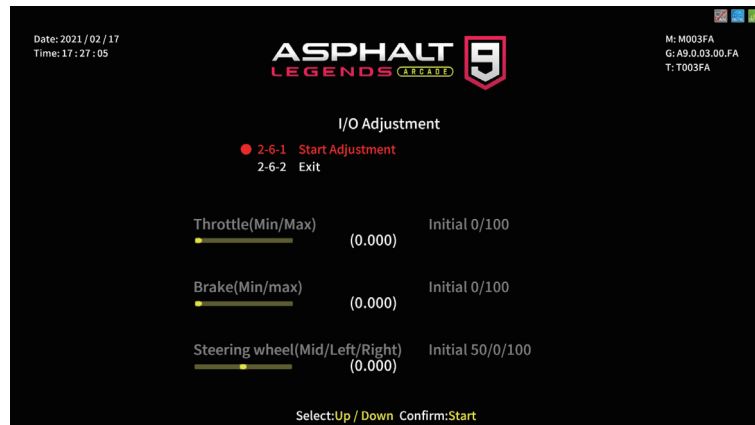
You can enter **【Connection Setting】** to set up the group number and ID of the cabinet. Enter **【Main Menu】** → **【2 System Setting】** → **【2-2 Connection Setting】** , and appoint all cabinets in connection into the same group, but provide each cabinet a different ID.



Note: The connection ID of cabinets suggested from left to right in sequence: 1P, 2P, 3P, 4P.

4.1.2 I/O Adjustment

Enter **【Main Menu】** → **【2 System Setting】** → **【2-6 I/O Adjustment】** , , to run adjustment.



After selecting **【I/O Adjustment】** , it will be adjusted from top to bottom in the Following order:

- 1.Release the throttle and press Nitro button.
- 2.Step on the throttle and press Nitro button.
- 3.Release the brake and press Nitro button.
- 4.Step on the brake and press Nitro button.
- 5.Adjust steering wheel to middle and press Nitro button.
- 6.Turn the steering wheel to the left and press Nitro button.
- 7.Turn the steering wheel to the right and press Nitro button.

4.1.3 Setting Other Related Items

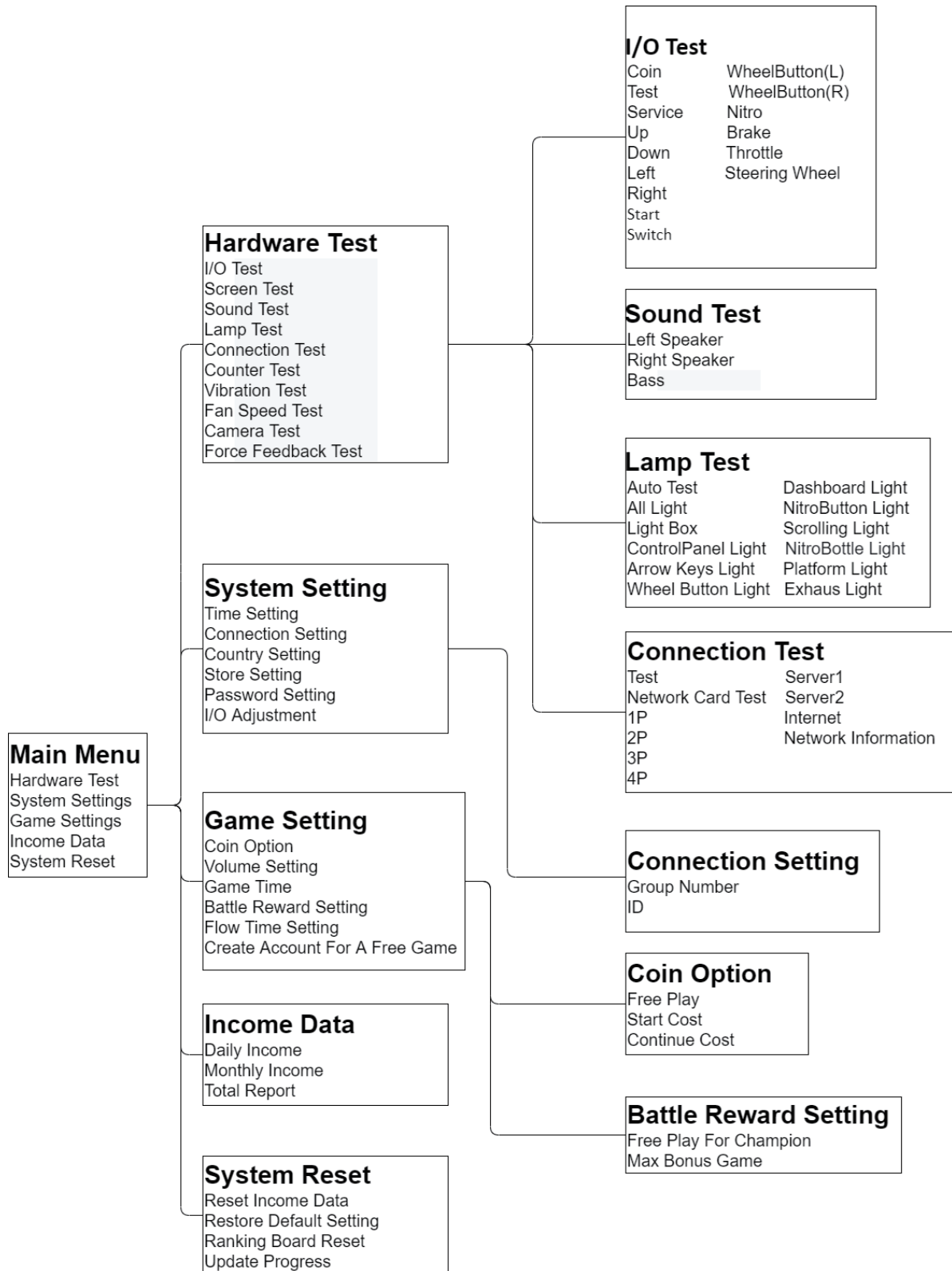
Setting other related items (recommended):

1. Enter **【Main Menu】** → **【2 System Setting】** → **【2-1 Time Setting】** , and set the cabinets to be connected to be the same time.
2. Enter **【Main Menu】** → **【2 System Setting】** → **【2-3 Country Setting】** and **【2-4 Store Setting】** to set up the location and name of the store.
3. Enter **【Main Menu】** → **【3 Game Setting】** → **【3-2 Volume Setting】** , to set up **【3-2-1 Daytime Volume Setting】** and **【3-2-2 Evening Volume Setting】** .

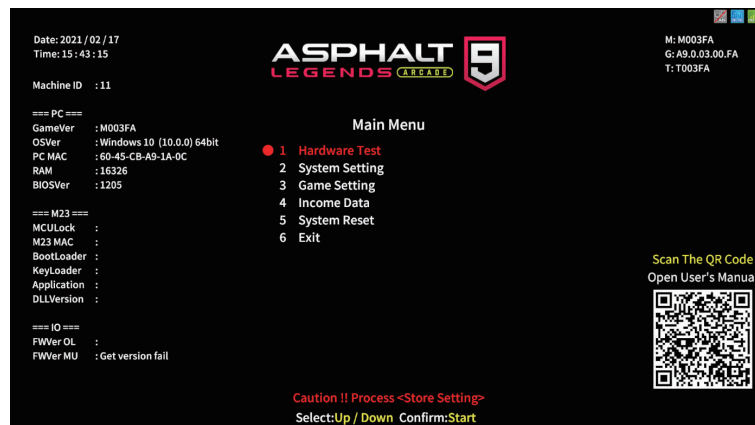
4.1.4 Important Notes for Staff

1. When the screen's upper- right corner shows the message **【I/O 1-1 error】** or **【I/O 2 error】** in red letters, please restart the machine. If the error still persists after restarting the machine, please check cable connections or contact us for repairs.
2. If a player suddenly feels ill during gameplay and needs to stop the game, press and hold the **【Switch】** , **【Nitro】** button、 Step on the Brake to terminate the game early.

4.2 Menu Structure



4.3 Main Menu Operation



In the menu, follow the steps below to navigate:

- Use the **【Up】** and the **【Down】** to select the options, the option currently selected is marked in red.
- Press the **【Start】** button to confirm the selection or enter the sub-menu.
- After completing the setting or testing, return to Main Menu, use **【Up】** or **【Down】** to select **【6.Exit】**, then press the **【Start】** button to return to the game screen.

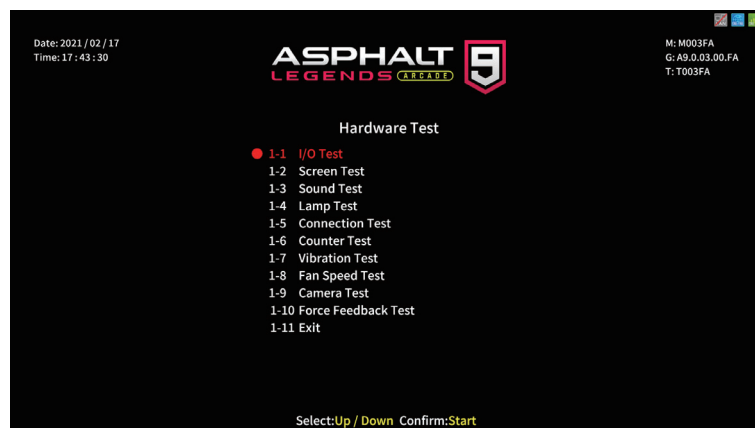
Note: When warning message appear as **【Caution !! Process**

<I/O Adjustment> <Country Setting> <Store Setting>】 Please process the following setting before exiting.

4.4 Hardware Test

You can enter **【Hardware Test】** to test if all hardware is functioning normally or not.

- Enter **【Main Menu】** → **【1 Hardware Test】** and the screen will display as below:

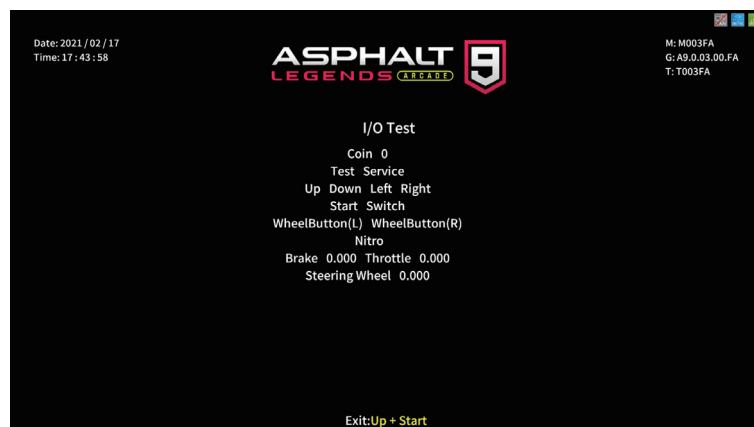


- Use the **【Up】** button and **【Down】** button to move the cursor and press the **【Start】** button to enter the sub menu.
- After testing is conducted, move the cursor to **【1-11 Exit】**, then press the **【Start】** button to leave this page and return to the **【Main Menu】**.
- Regarding detailed descriptions of the sub menu in **【Hardware Test】**, refer to the contents below.

4.4.1 I/O Test

In the page of **【I/O Test】** , you can run the testing of specific application to see if it is functioning normally or not.

1.Enter **【Main Menu】** → **【1 Hardware Test】** → **【1-1 I/O Test】** , and the screen will display as below:



2.After you enter the page of **【I/O Test】** , you can run the testing of a specific application as explained in the chart below:

Application	Testing method	Result
Coin	Insert coins	When you insert a coin, the amount of coins inserted will increase by 1. Value range between 00 and 99.
Test	Press the button	"White" became "Red"
Service	Press the button	"White" became "Red"
Up	Press the button	"White" became "Red"
Down	Press the button	"White" became "Red"
Left	Press the button	"White" became "Red"
Right	Press the button	"White" became "Red"
Start	Press the button	"White" became "Red"
Switch	Press the button	"White" became "Red"
WheelButton(L)	Press the button	"White" became "Red"
WheelButton(R)	Press the button	"White" became "Red"
Nitro	Press the button	"White" became "Red"
Brake	Step on the brake	When the brake is release the corresponding status and value will be 0, and when being stepped on it, the value will be around 1
Throttle	Step on the throttle	When the throttle is release the corresponding status and value will be 0, and when being stepped on it, the value will be around 1.
Steering Wheel	Turn the steering wheel to the right and left	When the steering wheel is turning to the left or the right. The corresponding status and value will be around -1 or 1.

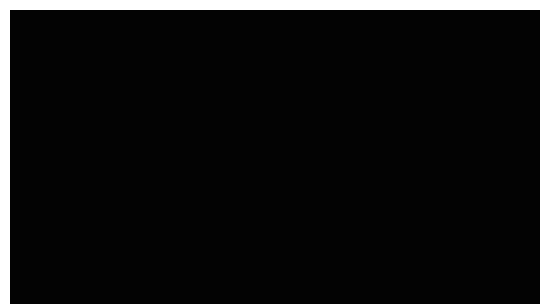
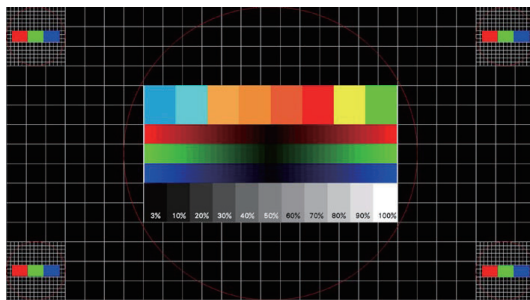
3.After testing is completed, Press the **【Start】** button and the **【Down】** button to leave this page, and return to **【Hardware Test】** .

Note: If the values of the throttle, brake and steering wheel are abnormal, enter **【2-6 I/O Adjustment】** to make adjustments.

4.4.2 Screen Test

In the page of **【Screen Test】** , you can test whether the white balance, color level, and lattice are functioning normally or not.

1. Enter **【Main Menu】** → **【1 Hardware Test】** → **【1-2 Screen Test】** , and the screen will display as below:
2. After entering **【Screen Test】** , the system will then process the testing, and the following six pictures will be displayed for you to adjust the white balance, color level, and lattice.

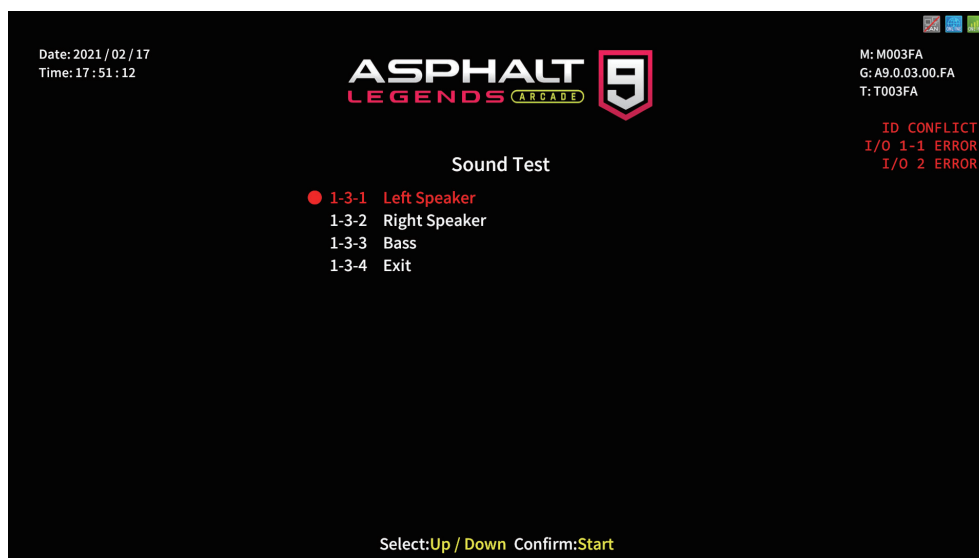


3. In the page of **【Screen Test】** , press the **【Start】** button to change the displayed picture. After the testing is completed, press the **【Start】** button to return to **【Hardware Test】** .

4.4.3 Sound Test

In the page of **【Sound Test】** , you can run the testing of specific application to see if it is functioning normally or not.

1.Enter **【Main Menu】** → **【1 Hardware Test】** → **【1-3 Sound Test】** , and the screen will display as below:



2.Move the cursor, and choose the soundtrack to be tested, then press the **【Start】** button to start the testing.

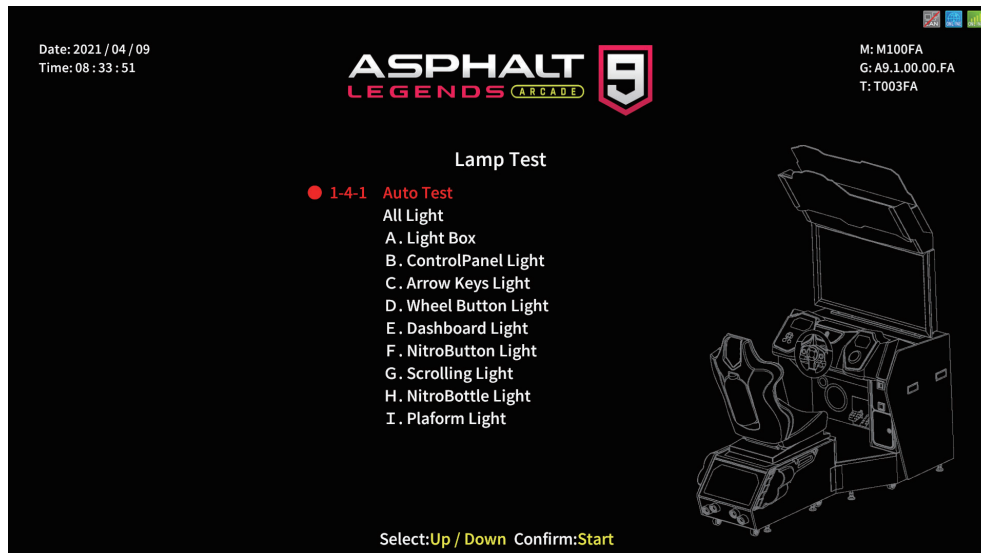
3.The soundtrack being tested will keep producing a certain sound. Press the **【Start】** button to discontinue the testing process.

4.After the test is completed, move the cursor to **【1-3-4 Exit】** , and press the **【Start】** button to return to **【Hardware Test】**

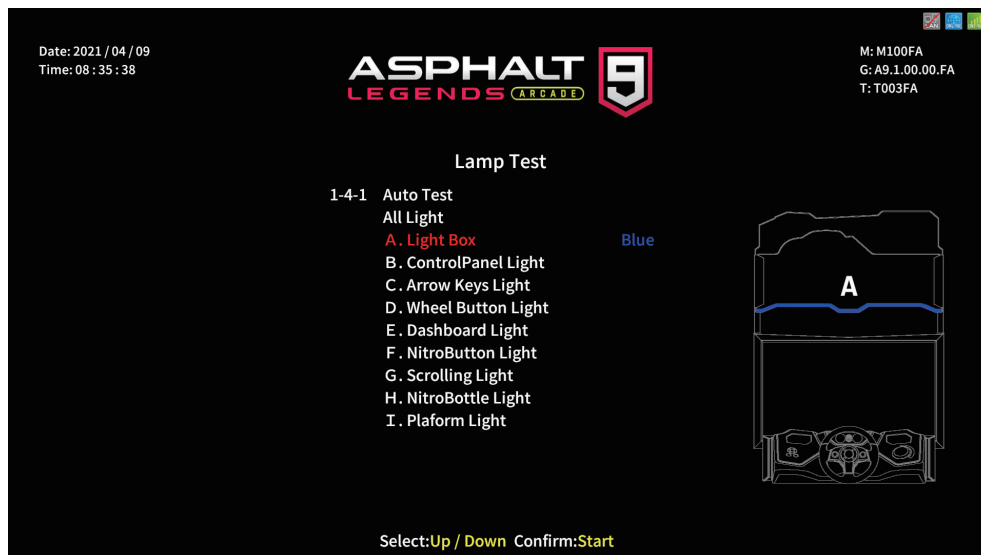
4.4.4 Lamp Test

In the page of **【Lamp Test】** , you can test if each light is functioning normally or not.

1.Enter **【Main Menu】** → **【1 Hardware Test】** → **【1-4 Lamp Test】** , and the screen will display as below:



2.Use the **【Up】** button and **【Down】** button move the cursor, then press the **【Start】** button to run testing



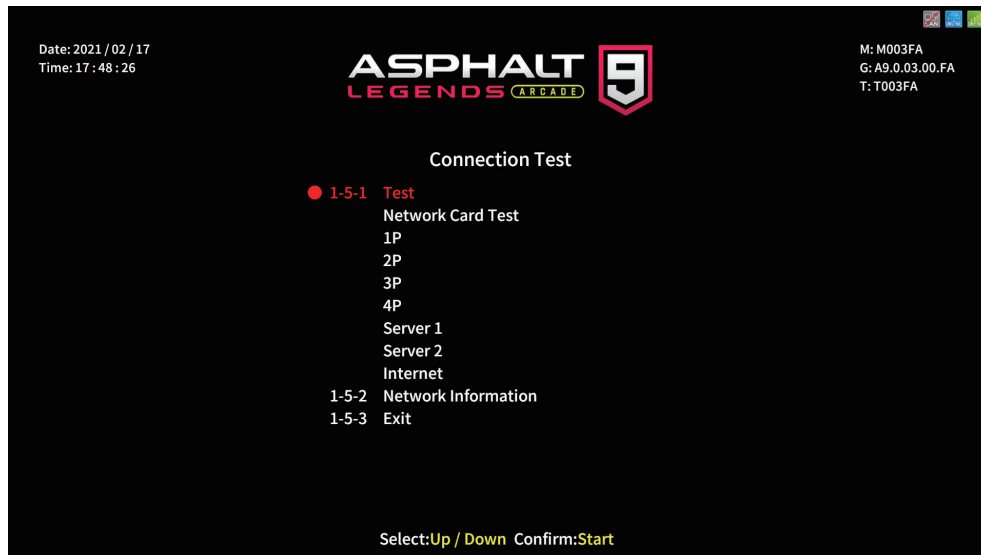
3.While testing, press the **【Start】** button one more time to discontinue the testing process.

4.move the cursor to **【1-4-2 Exit】** , and press the **【Start】** button to return to **【Hardware Test】** .

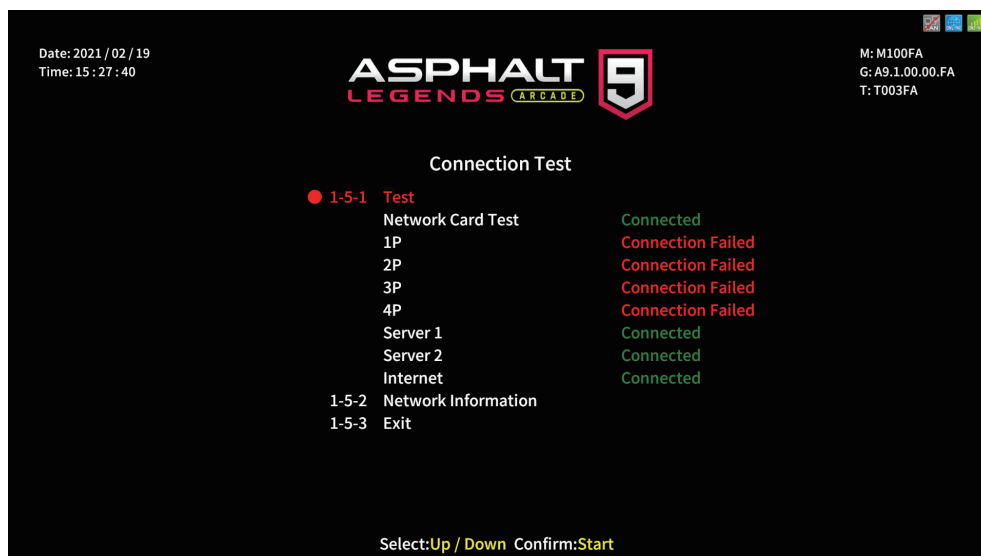
4.4.5 Connection Test

In the page of **【Connection Test】** , you can test whether each cabinet of the same group is functioning normally.

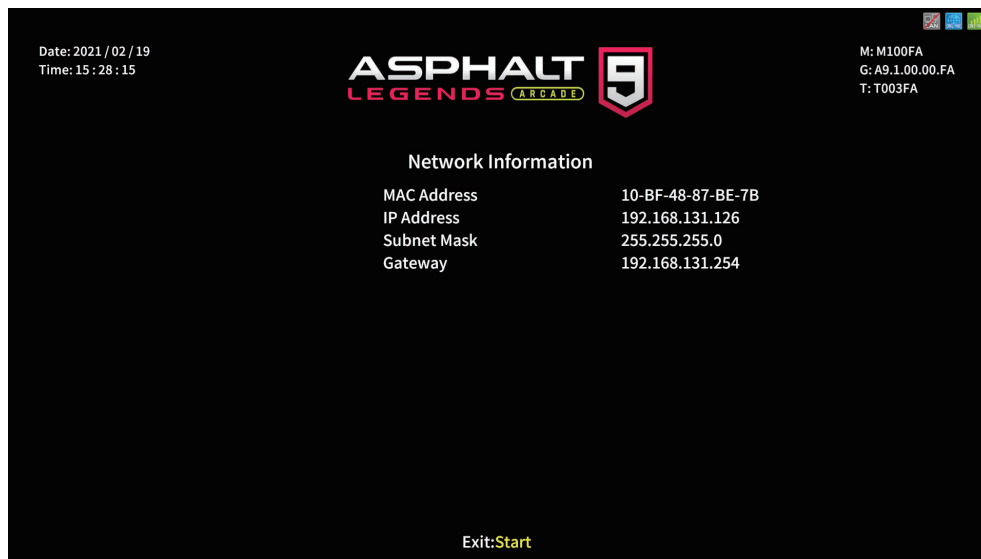
1.Enter **【Main Menu】** → **【1 Hardware Test】** → **【1-5 Connection Test】** , and the screen will display as below:



2.move the cursor to **【1-5-3 Test】** , and press the **【Start】** button to start testing.
Possible connection status includes: **【Connected】** , **【Connection Failed】** .



3.Move the cursor to **【1-5-2 Network Information】** , and press the **【Start】** button to enter the sub menu.

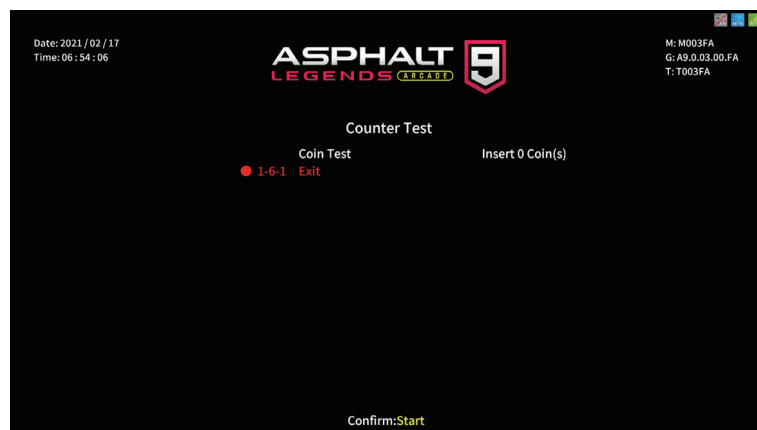


In the page of **【Network Information】** , press the **【Start】** button to return to **【Connection Test】**

4.4.6 Counter Test

In the page of **【Counter Test】** , you can test whether the counter is functioning normally or not.

1.Enter **【Main Menu】** → **【1 Hardware Test】** → **【1-6 Counter Test】** , and the screen will display as below:



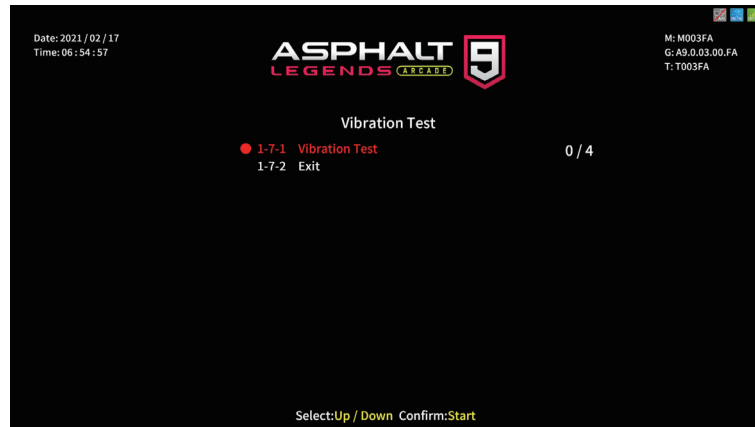
2.After you enter the page of **【Counter Test】** , insert coins to the coin slot, and the number on the right will go up as more coins are inserted. Also, the counter inside the coin counter will indicate the number too.

3.After the test is completed, move the cursor to **【1-6-1 Exit】** and press **【Start】** button to return to **【Hardware Test】** .

4.4.7 Vibration Test

In the page of **【Vibration Test】** , you can test whether the vibration speaker is functioning normally or not.

1.Enter **【Main Menu】** → **【1 Hardware Test】** → **【1-7 Vibration Test】** , and the screen will display as below:



2.Use the **【Up】** button and **【Down】** button move the cursor, then press the **【Start】** button to run testing.

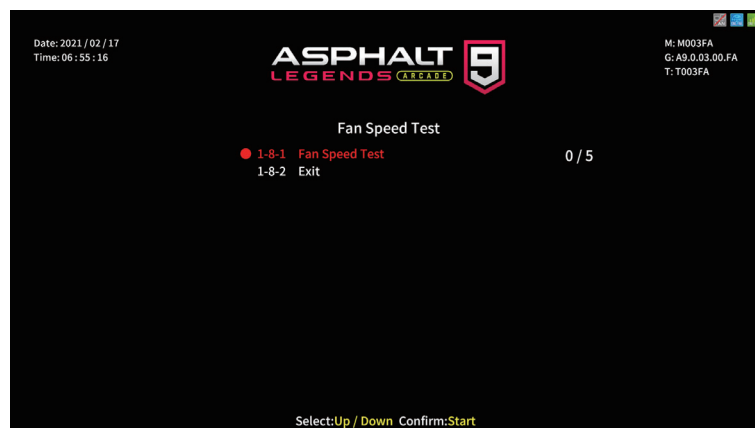
3.While testing, press the **【Start】** button one more time to discontinue the testing process.

4.move the cursor to **【1-7-2 Exit】** , and press the **【Start】** button to return to **【Hardware Test】** .

4.4.8 Fan Speed Test

In the page of **【Fan speed Test】** , you can test whether the fan is functioning normally or not.

1.Enter **【Main Menu】** → **【1 Hardware Test】** → **【1-8 Fan speed Test】** , and the screen will display as below:

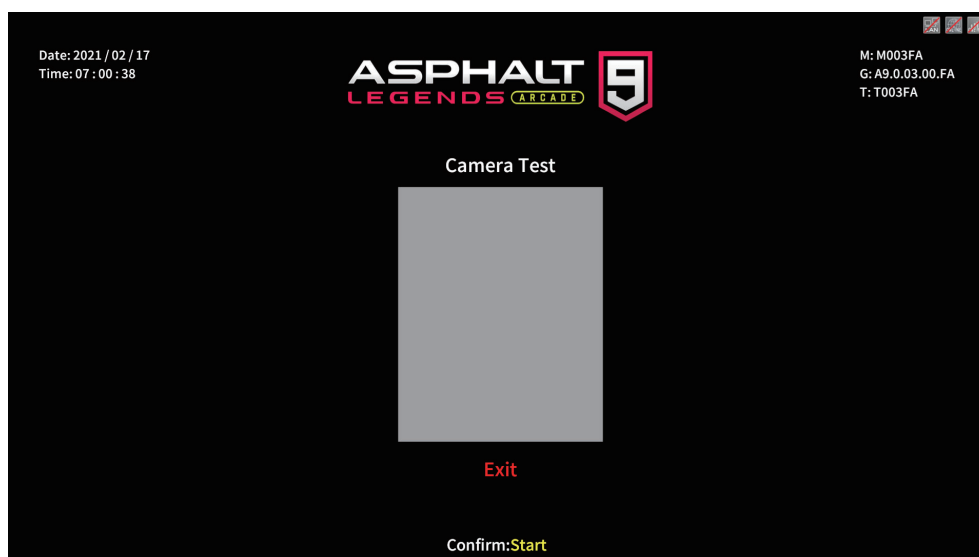


2. Use the **【Up】** button and **【Down】** button move the cursor, then press the **【Start】** button to run testing.
3. While testing, press the **【Start】** button one more time to discontinue the testing process.
4. Move the cursor to **【1-8-2 Exit】**, and press the **【Start】** button to return to **【Hardware Test】**

4.4.9 Camera Test

In the page of **【Camera Test】**, you can test whether the drain valve is functioning normally or not.

1. Enter **【Main Menu】** → **【1 Hardware Test】** → **【1-9 Camera Test】**, and the screen will display as below:

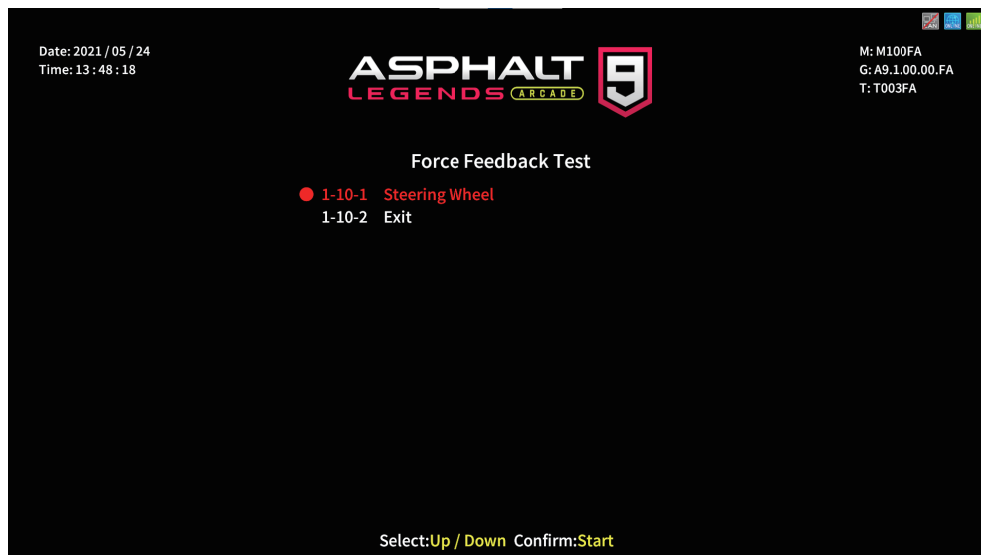


2. In the page of **【Camera Test】**, An image will appear in the rectangular space. Press the **【Start】** button to return to **【Hardware Test】**.

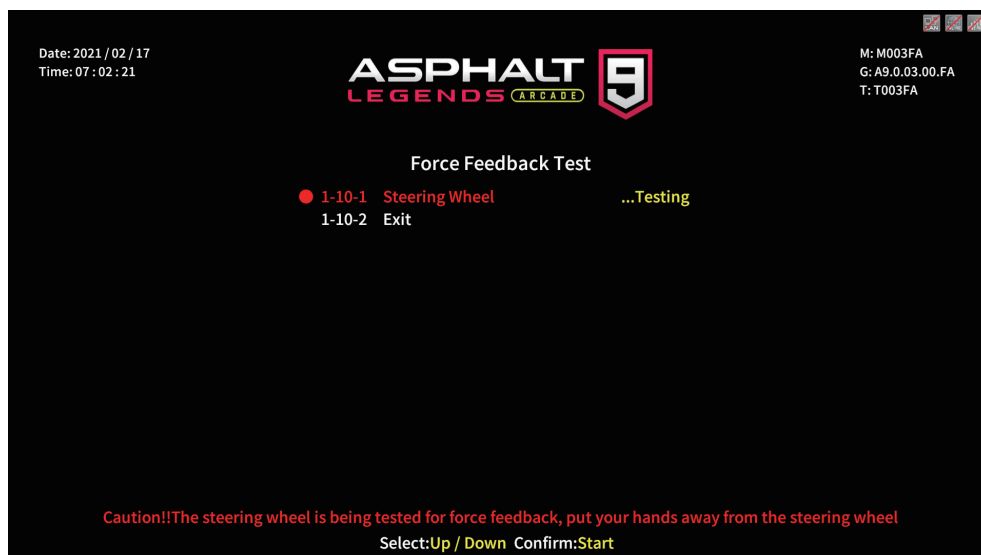
4.4.10 Force Feedback Test

In the page of **【Force Feedback Test】** , you can test whether the force feedback is normally functioning or not.

1.Enter **【Main Menu】** → **【1 Hardware Test】** → **【1-10 Force Feedback Test】** , and the screen will display as below:



2.Use the **【Up】** button and **【Down】** button move the cursor, then press the **【Start】** button to run testing.



While testing, warning message appear **【Caution!!The steering wheel is being tested for force feedback, put your hands away from the steering wheel】**

3.Move the cursor to **【1-10-2 Exit】** and press the **【Start】** button to return to **【Hardware Test】**

4.5 System Setting

In the page of **【System Setting】** , you can set up the system.

1.Enter **【Main Menu】** → **【2 System Setting】** , and the screen will display as below:



2.Use the **【Up】** button and **【Down】** button to move the cursor and press the **【Start】** button to the sub menu.

3.Move the cursor to **【2-7 Exit】** and press the **【Start】** button to return to **【Main Menu】**

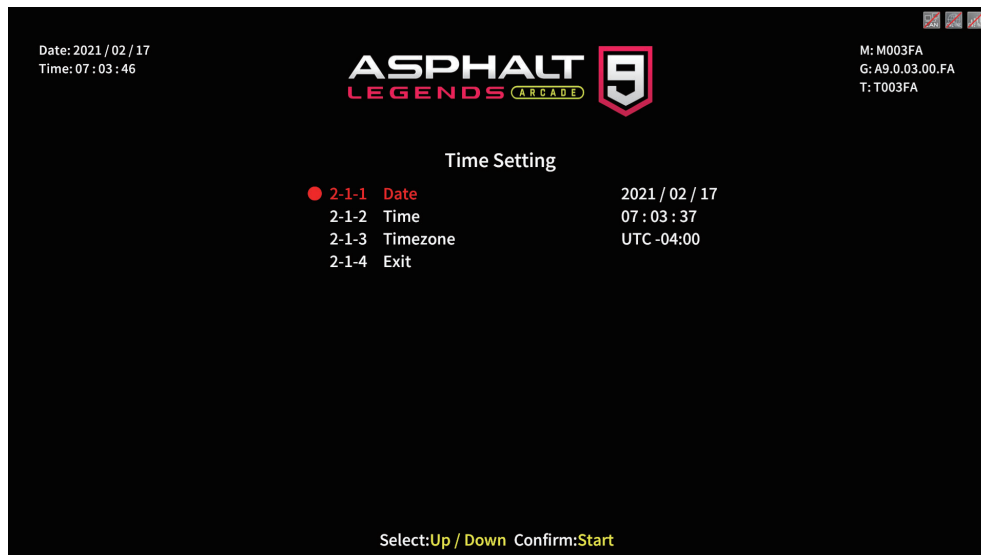
Regarding the detailed descriptions of the sub menu in **【System Setting】** , refer to the following content.

4.5.1 Time Setting

In the page of **【Time Setting】** , you can set up your local time.

Note: **【Date】** , **【Time】** will be automatically synchronized with the server's time when connected to the server.

1.Enter **【Main Menu】** → **【2 System Setting】** → **【2-1 Time Setting】** , and the screen will display as below:

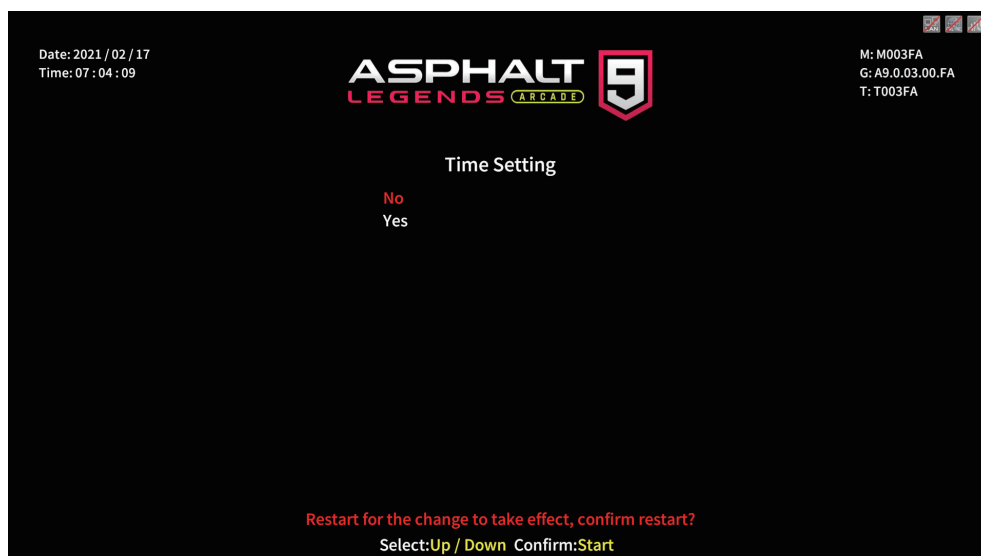


2.When the machine is not connected to the server, **【Date】** and **【Time】** can be changed.

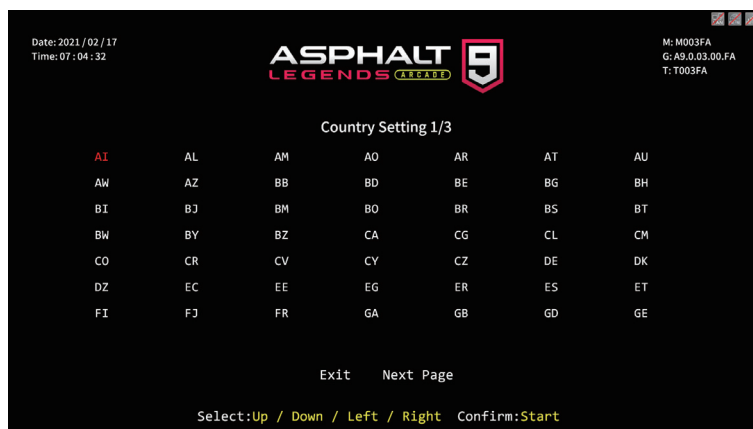
3.Use the **【Up】** button and **【Down】** button to move the cursor and press the **【Start】** button to set Date and Time.

4.Move the cursor to **【2-1-4 Exit】** and press the **【Start】** button to enable Time Setting changes.

5.When **【Yes】** is selected, the machine will automatically restart. When **【No】** is selected, the screen will automatically direct to the page of **【System Setting】**

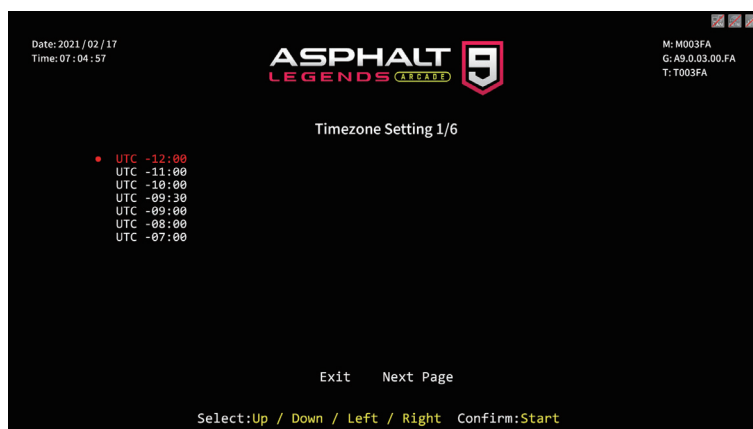


6. Move the cursor to **【2-1-3 Timezone】** and press the **【Start】** button to enter **【Country Setting】** page.



7. Use the **【Up】**, **【Down】**, **【Left】**, **【Right】** button to move the cursor and press the **【Start】** button to select Country.

8. If the country chosen has multiple time zone, or **【Other】** is selected, screen will automatically direct to the page of **【Timezone Setting】**

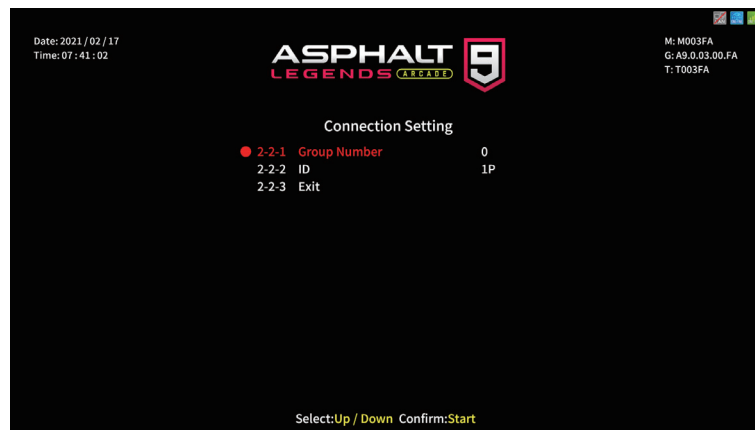


4.5.2 Connection Setting

In the page of **【Connection Setting】**, you can set the group and the ID of the cabinet.

Note: To connect to the machine, please set up the same group in the settings. The recommended ID value settings for the machine, from left to right, are: 1P, 2P, 3P, 4P.

1. Enter **【Main Menu】** → **【2 System Setting】** → **【2-2 Connection Setting】**, and the screen will display as below:

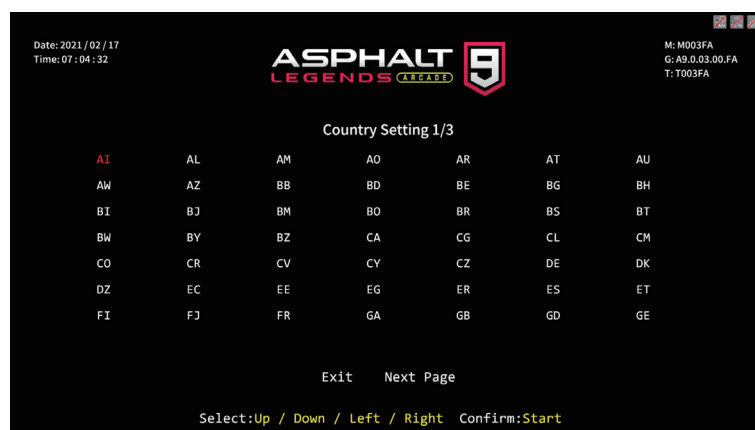


2. Use the **【Up】** button and **【Down】** button move the cursor and press the **【Start】** button to the sub menu.
3. Choose the **【2-2-1 Group】** , then press the **【Start】** button to setting the group number of the cabinet.
4. Choose the **【2-2-2 ID】** , then press the **【Start】** button to setting the ID of the cabinet.
5. When completed, move the cursor to **【2-2-3 Exit】** , then press the **【Start】** button to return to the page of **【System Setting】**

4.5.3 Country Setting

In the page of **【Country Setting】** , you can set your current location.

1. Enter **【Main Menu】** → **【2 System Settings】** → **【2-3 Country Setting】** , and the screen will display as below:

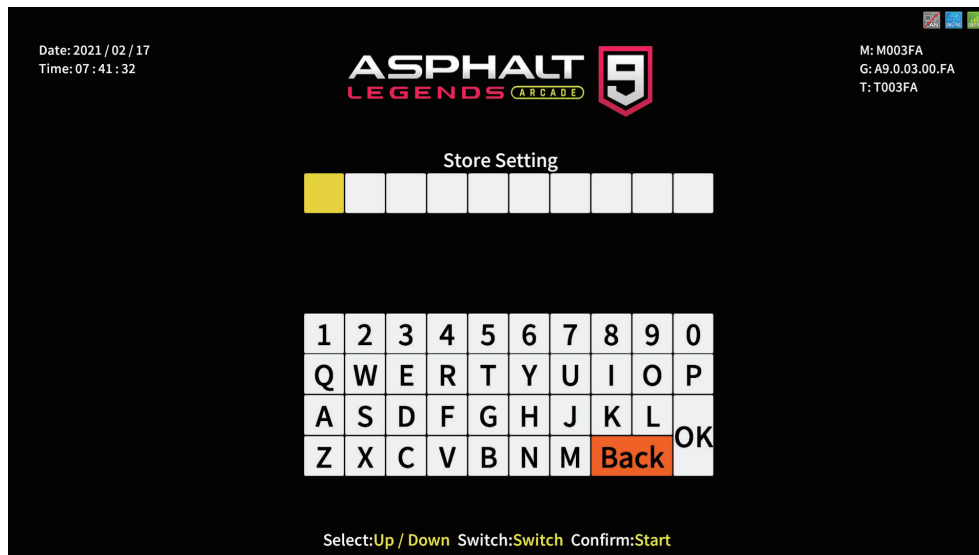


2. Use the **【Up】** , **【Down】** , **【Left】** , **【Right】** button move the cursor and press the **【Start】** button to setting Country.
3. After your preferred setting is chosen, press the **【Start】** button, and return to **【System Setting】** .

4.5.4 Store Setting

In the page of **【Store Setting】** , you can set your store name.

1.Enter **【Main Menu】** → **【2 System Setting】** → **【2-4 Store Setting】** , and the screen will display as below:



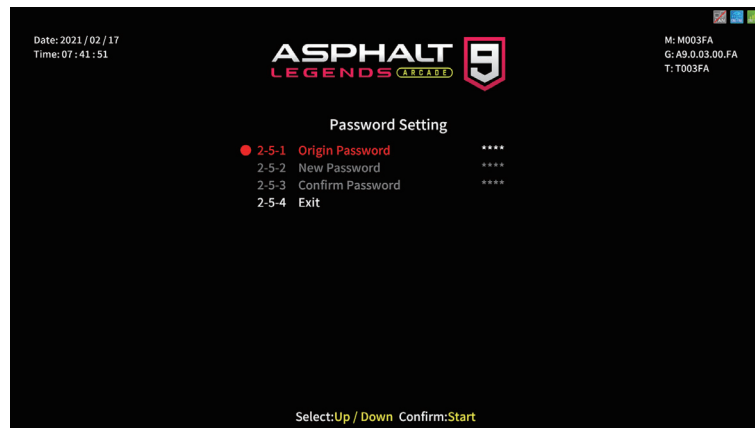
2.Use the **【Up】** , **【Down】** , **【Left】** , **【Right】** button move the cursor and press the **【Start】** button to confirm the letter you want to input.

3.When completed, move the cursor to **【OK】** , then press the **【Start】** button to return to the page of **【System Setting】** .

4.5.5 Password Setting

In the page of **【Password Setting】**, you can reset your password.

1.Enter **【Main Menu】** → **【2 System Setting】** → **【2-5 Password Setting】**, and the screen will display as below:

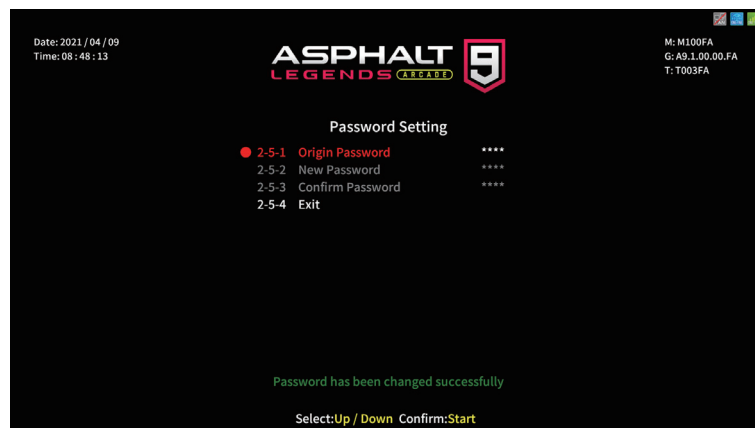


2.Press the **【Start】** button to enter origin password.

3.Use the **【Up】** button and **【Down】** button move the cursor and press the **【Start】** button to enter the selected numbers.

4.After the origin password has been entered, you can continue to enter and confirm the new password.

5.Once the new password has been entered and confirmed, **【Password has been changed successfully】** will appear in green below.

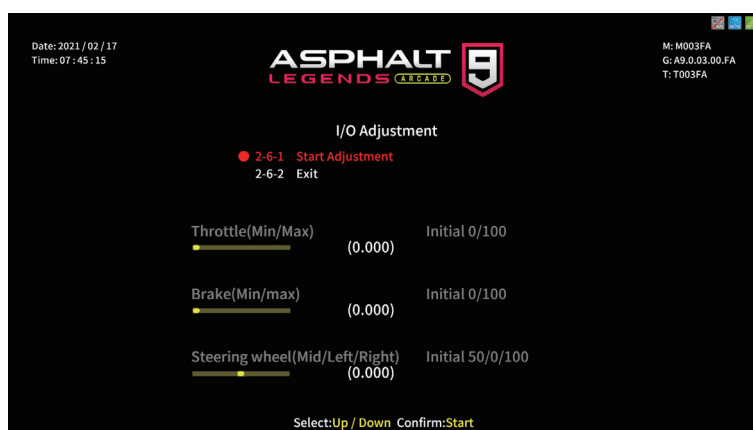


6.Move the cursor to **【2-5-4 Exit】** and press the **【Start】** button to return to **【System Setting】**

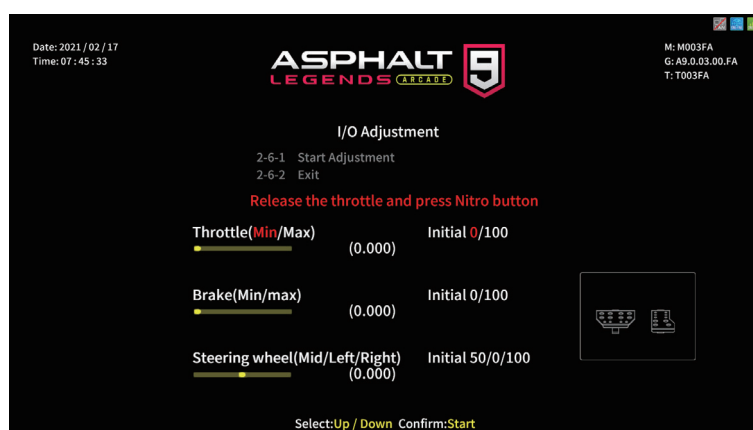
4.5.6 I/O Adjustment

In the page of **【I/O Adjustment】** , you can adjust the minimum and maximum value of the throttle, brake and steering wheel.

1. Enter **【Main Menu】** → **【2 System Setting】** → **【2-6 I/O Adjustment】** , and the screen will display as below:



2. Move the cursor to **【2-6-1 Start Adjustment】** , then press the **【Start】** button to start the process.
3. While adjusting, pictures and tips will appear on the screen.

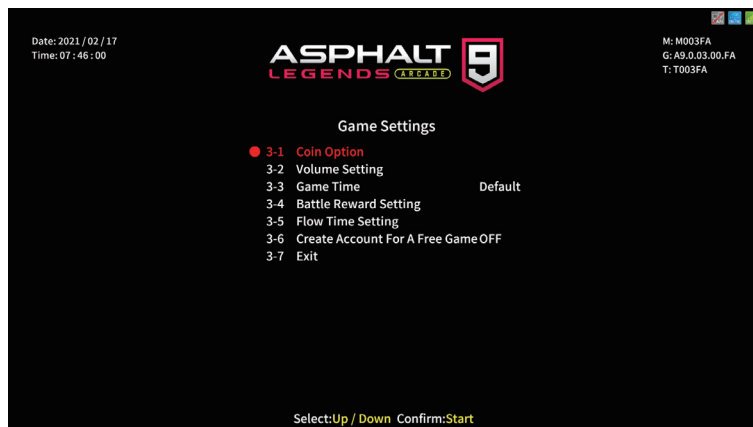


4. Repeat the above step, and calibrate other values.
5. After all adjustments are made, an icon of **【Adjustment completed】** will pop up, then press the **【Start】** button to return to **【System Setting】**

4.6 Game Settings

In the page of **【Game Settings】** , you can set up all related features of the game.

1.Enter **【Main Menu】** → **【3 Game Settings】** , and the screen will display as below:



2.Use the **【Up】** button and **【Down】** button move the cursor and press the **【Start】** button to the sub menu.

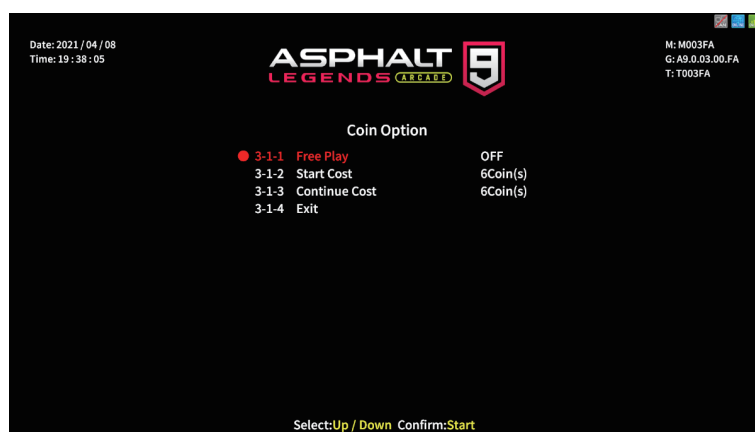
3.After setup is completed, move the cursor to **【3-7 Exit】** , and press the **【Start】** button to return to **【Main Menu】** .

Regarding the detailed description of the sub menu in the **【Game Settings】** refer to the following content.

4.6.1 Coin Option

In the page of **【Coin Option】** , you can select Free play or Coin.

1.Enter **【Main Menu】** → **【3 Game Setting】** → **【3-1 Coin Option】** , and the screen will display as below:



2.Move the cursor to choose the **【3-1-1 Free Play】** , then press the **【Start】** button to start the process.

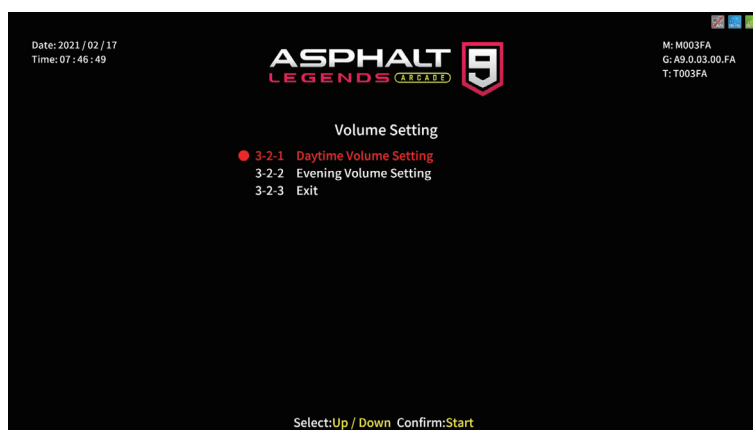
Note: When the **【3-1-1 Free Play】** is set to be **【OFF】** , the **【3-1-2 Start Cost】** and the **【3-1-3 Continue Cost】** can be setting.

3.When the setting process is completed, move the cursor to **【3-1-4 Exit】** ,and press **【Start】** button to return to **【Game Setting】** .

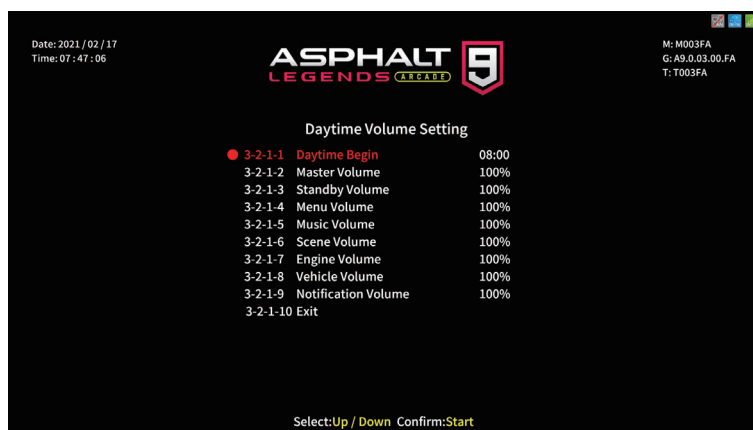
4.6.2 Volume Setting

In the page of **【Volume Setting】** , you can determine the start time of daytime and evenings and the corresponding volume.

1.Enter **【Main Menu】** → **【3 Game Setting】** → **【3-2 Volume Setting】** , and the screen will display as below:



2.Move the cursor to choose the **【Daytime(Evening) Volume Setting】** , then press the **【Start】** button to enter the page of **【Daytime (Evening) Volume Setting】** , and the screen will display as below:



3.Move the cursor to choose the item, then press the **【Start】** button to start the process.

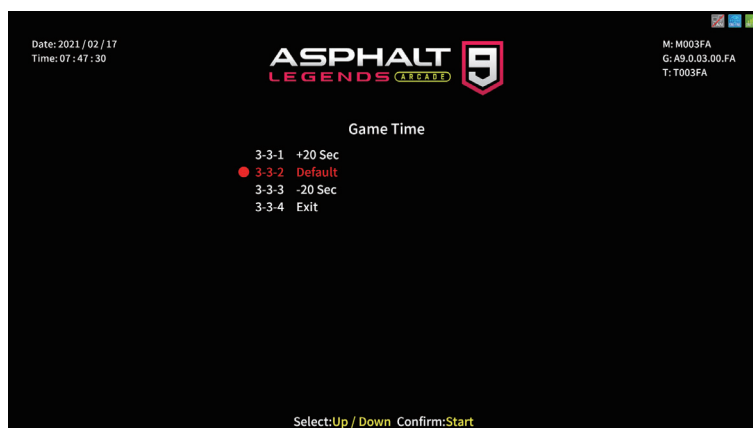
4.When the setting process is completed, move the cursor to **【3-2-1-10 Exit】** , and press the **【Start】** button to return to **【Volume Setting】** .

5.In the page of **【Volume Setting】** , Move the cursor to **【3-2-3 Exit】** , and press the **【Start】** button to return to **【Game Setting】** .

4.6.3 Game Time

In the page of **【Game Time】** , you can determine the game time of Quick Race Mode and Multiplayer Mode.

1.Enter **【Main Menu】** → **【3 Game Setting】** → **【3-3 Game Time】** , and the screen will display as below:

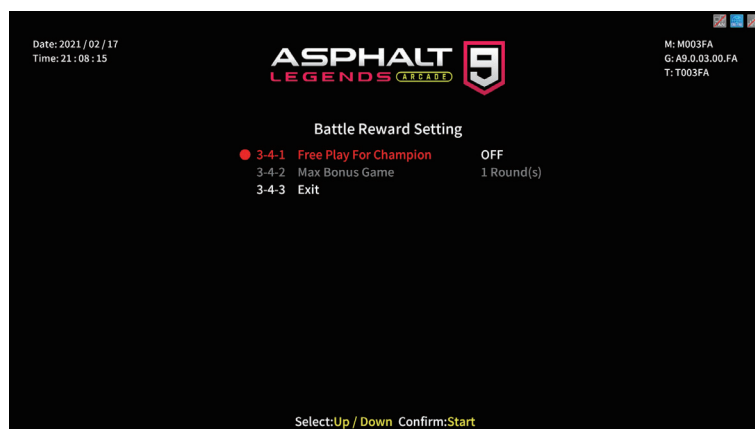


2.Move the cursor to **【3-3-4 Exit】** and press the **【Start】** button to return to **【Game Setting】**

4.6.4 Battle Reward Setting

In the page of **【Battle Reward Setting】** , you can turn the setting for Continuous Battle for Championship to On/Off. The setting steps are as follows:

1.Enter **【Main Menu】** → **【3 Game Setting】** → **【3-4 Battle Reward Setting】** , and the screen will display as below:



2.Move the cursor to choose the **【3-4 Battle Reward Setting】** , then press the **【Start】** button to start the process.

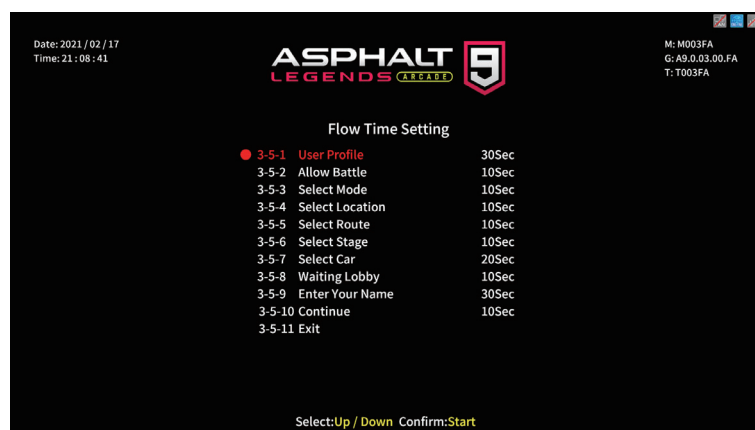
Note: **【3-4-1 Battle Reward Setting】** is set to be **【ON】** , the **【3-4-2 Max Bonus Game】** can be setting.

3.When the setting process is completed, move the cursor to **【3-4-3 Exit】** ,and press **【Start】** button to return to **【Game Setting】** .

4.6.5 Flow Time Setting

In the page of 【Flow Time Setting】 , you can determine the duration of each process:

- 1.Enter 【Main Menu】 → 【3 Game Setting】 → 【3-5 Flow Time Setting】 , and the screen will display as below:



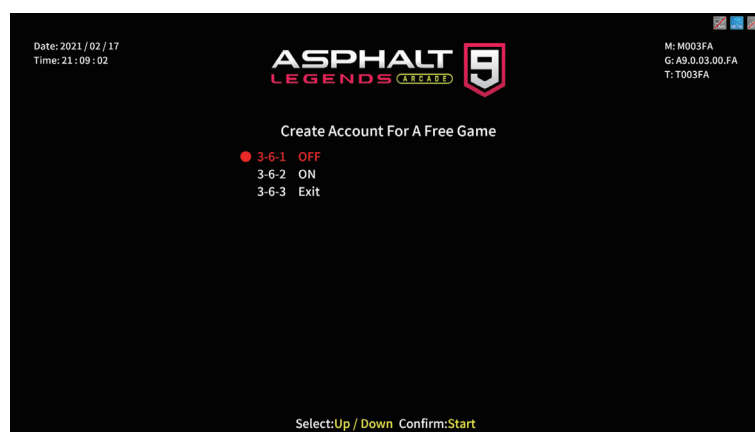
- 2.Move the cursor to choose the item, then press the 【Start】 button to start the process.

- 3.When the setting process is completed, move the cursor to 【3-5-11 Exit】 , and press the 【Start】 button to return to 【Game Setting】 .

4.6.6 Create Account For a Free Game

In the page of 【Create Account For A Free Game】 ,You can determine if players can play the game for free once by creating an Facebook Account.

- 1.Enter 【Main Menu】 → 【3 Game Setting】 → 【3-6 Create Account For A Free Game】 , and the screen will display as below:



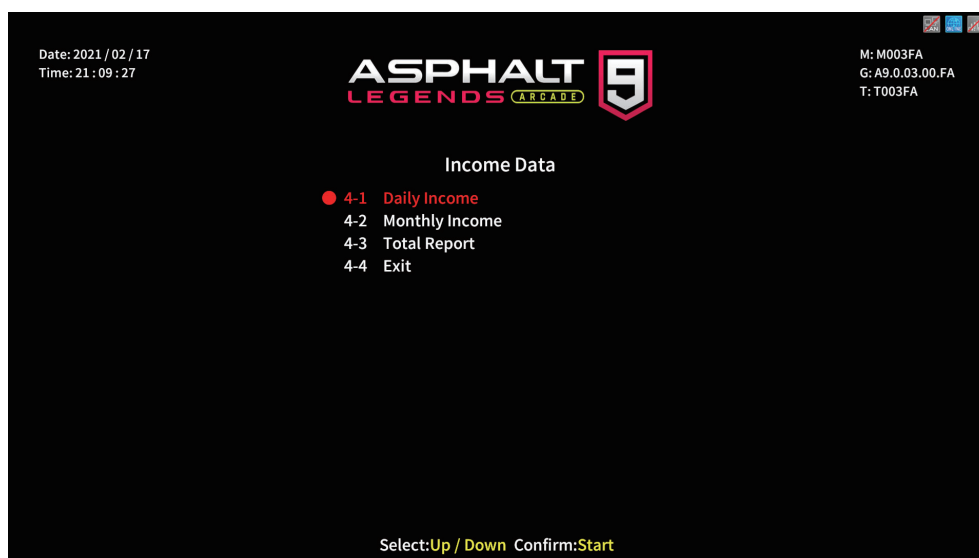
Note:When **【Create Account For A Free Game】** is set to be **【ON】** , The chance to play the game for free can only be used on the game after the player created an account , and will not be kept if not used.

2.When the setting process is completed, move the cursor to **【3-6-3 Exit】** , and press the **【Start】** button to return to **【Game Setting】** .

4.7 Income Data

In the page of **【Income Data】** , you can check the daily, monthly and total revenue.

1.Enter **【Main Menu】** → **【4 Income Data】** , and the screen will display as below:



2.Use the **【Up】** button and **【Down】** button move the cursor and press the **【Start】** button to the sub menu.

3.Move the cursor to **【4-4 Exit】** and press the **【Start】** button to return to **【Main Menu】** .

4.Regarding the detailed data of the sub menu in the **【Income Data】** , refer to the following content.

4.7.1 Daily Income

In the page of 【Daily Income】 , you can check the daily revenue of each cabinet.

1.Enter 【Main Menu】 → 【4 Income Data】 → 【4-1 Daily Income】 ,and the screen will display as below:

Date	Coin(s)	Total Game	New Game	Continue	Versus Bonus	Freeplay	Versus	Service	Current Coin(s)	Current Service	Operation Time	Game Time	Avg. Game Time
2021 / 02 / 17	3	0	0	0	0	0	0	0	0	0	02:13:11	00:00:00	00:00:00
2021 / 02 / 09	4	1	1	0	0	0	0	0	4	0	01:03:07	00:36:47	00:36:47
2021 / 02 / 08	7	0	0	0	0	0	0	0	0	0	18:17:54	00:00:00	00:00:00
2021 / 02 / 05	*29	2	2	0	0	0	0	0	8	0	00:18:08	00:02:04	00:01:02
2021 / 02 / 04	6	0	0	0	0	0	0	0	0	0	00:02:53	00:00:00	00:00:00
2021 / 01 / 29	0	0	0	0	0	0	0	0	0	0	01:31:58	00:00:00	00:00:00
2021 / 01 / 28	8	2	2	0	0	0	0	0	8	0	07:29:38	00:41:14	00:20:37
2021 / 01 / 25	0	0	0	0	0	0	0	0	0	0	00:00:49	00:00:00	00:00:00
2021 / 01 / 23	21	5	4	1	0	0	0	0	20	0	00:16:44	00:11:59	00:02:23
2021 / 01 / 22	42	2	2	0	0	0	0	0	8	0	02:09:43	00:09:44	00:04:52
2021 / 01 / 21	9	0	0	0	0	0	0	0	0	0	00:06:18	00:00:00	00:00:00
Average	16	1	21	0	0	0	0	0	7	0	03:00:54	00:10:53	00:06:09

Descriptions of each items:

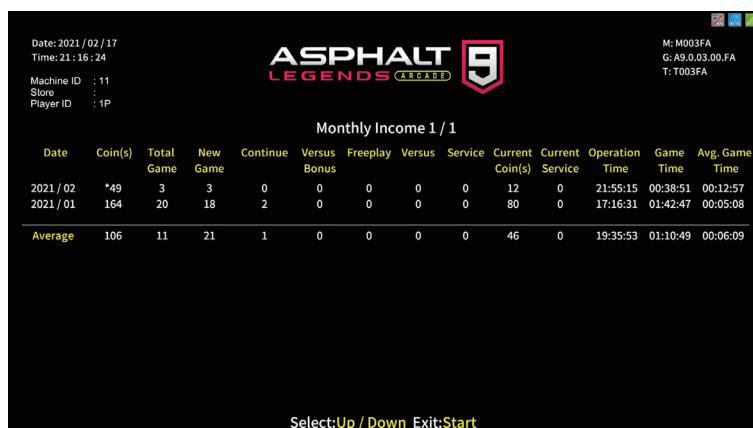
Item	Descriptions
Date	Date of record
Coin(s)	Total number of coins inserted that day
Total Game	Total number of games on that day
New Game	Number of times coins were inserted to start new games that day
Continue	Number of times coins were inserted to continue games that day
Versus Bonus	Total number of winner bonus games on that day
Freeplay	Total number of freeplays on that day
Versus	Total number of versus games on that day
Service	Total number of service buttons used that day
Current Coin(s)	Actual number of coins deducted that day
Current Service	Actual number of Service deducted that day
Operation Time	The total time the machine was on that day
Game Time	Total game time of that day
Avg.Game Time	Average game time of that day Calculation formula: Game Time/Total Game

2.Use the 【Up】 button and 【Down】 button to move the page, and press the 【Start】 button to return to 【Income Data】

4.7.2 Monthly Income

In the page of 【Monthly Income】 , you can check the monthly revenue of each cabinet.

1.Enter 【Main Menu】 → 【4 Income Data】 → 【4-2 Monthly Income】 ,and the screen will display as below:



Date	Coin(s)	Total Game	New Game	Continue	Versus Bonus	Freeplay	Versus	Service	Current Coin(s)	Current Service	Operation Time	Game Time	Avg. Game Time
2021 / 02	*49	3	3	0	0	0	0	0	12	0	21:55:15	00:38:51	00:12:57
2021 / 01	164	20	18	2	0	0	0	0	80	0	17:16:31	01:42:47	00:05:08
Average	106	11	21	1	0	0	0	0	46	0	19:35:53	01:10:49	00:06:09

Descriptions of each items:

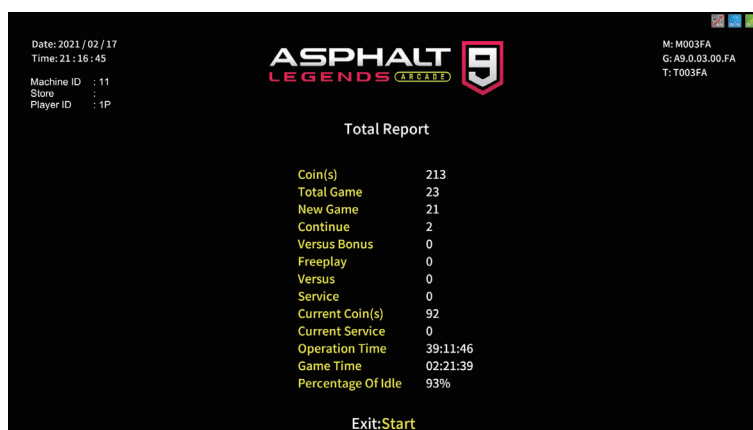
Item	Descriptions
Date	Date of record
Coin(s)	Total number of coins inserted that month
Total Game	Total number of games on that month
New Game	Number of times coins were inserted to start new games that month
Continue	Number of times coins were inserted to continue games that month
Versus Bonus	Total number of winner bonus games on that month
Freeplay	Total number of freeplays on that month
Versus	Total number of versus games on that month
Service	Total number of service buttons used that month
Current Coin(s)	Actual number of coins deducted that month
Current Service	Actual number of Service deducted that month
Operation Time	The total time the machine was on that month
Game Time	Total game time of that month
Avg.Game Time	Average game time of that month Calculation formula: Game Time/Total Game

2.Use the 【Up】 button and 【Down】 button to move the page, and press the 【Start】 button to return to 【Income Data】 .

4.7.3 Total Report

In the page of **【Total Report】** , you can check the total revenue of each cabinet.

1.Enter **【Main Menu】** → **【4 Income Data】** → **【4-3 Total Report】** ,and the screen will display as below:



Descriptions of each items:

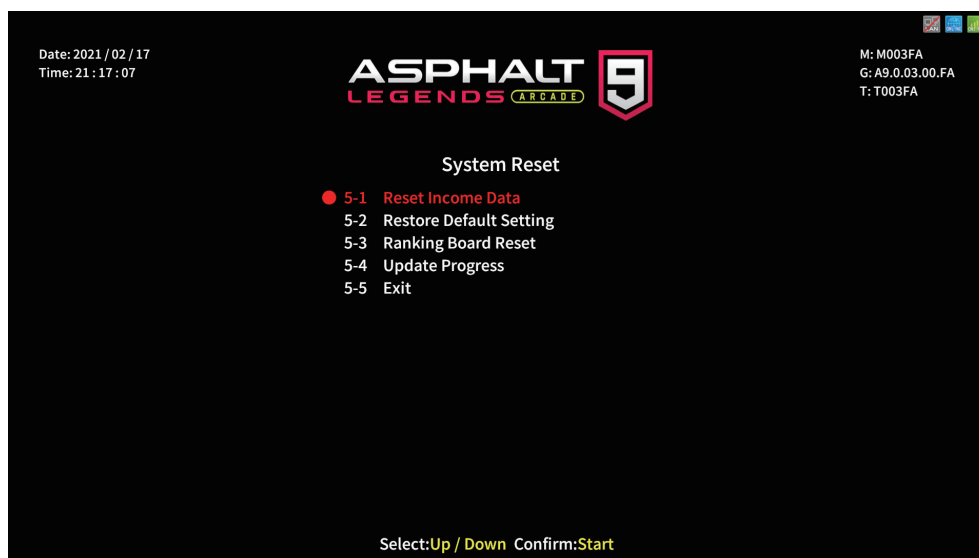
Item	Descriptions
Coin(s)	Total number of coins deducted overall
Total Game	Total number of games overall
New Game	Number of times coins were inserted to start new games in total
Continue	Number of times coins were inserted to continue games in total
Versus Bonus	Total number of winner bonus games overall
Freeplay	Total number of freeplays overall
Versus	Total number of versus games overall
Service	Total number of Service overall
Current Coin(s)	Actual number of coins deducted overall
Current Service	Number of service buttons used in total
Operation Time	The total time the machine was on overall
Game Time	Total game time overall
Percentage Of Idle	Percentage of time the machine was sitting idle after it was switched on Calculation formula: (Operation time - Game Time)/ Operation time x100%

2.Press the **【Start】** button to return to **【Income Data】** .

4.8 System Reset

In the page of **【System Reset】** , you can delete the income data or set the system to the default setting.

1.Enter **【Main Menu】** → **【5 System Reset】** , and the screen will display as below:



2.Use the **【Up】** button and **【Down】** button move the cursor and press the **【Start】** button to the sub menu.

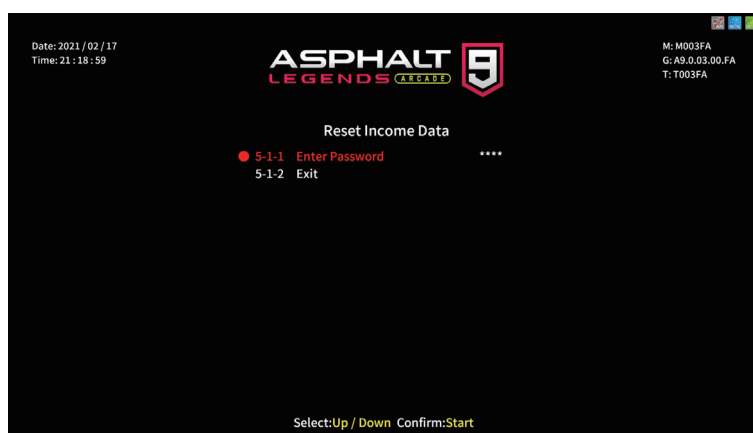
3.After setup is completed, move the cursor to **【5-5 Exit】** , and press the **【Start】** button to return to **【Main Menu】** .

Regarding the detailed descriptions of the sub menu in **【System Reset】** , refer to the following content.

4.8.1 Reset Income Data

In the page of **【Reset Income Data】** , you can delete the data of daily income and monthly income.

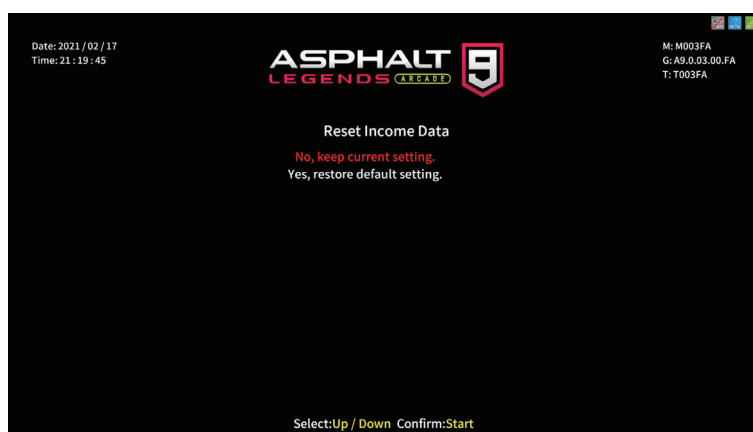
1.Enter **【Main Menu】** → **【5 System Reset】** → **【5-1 Reset Income Data】** ,and the screen will display as below:



2.Move the cursor to choose **【5-1-1 Enter Password】** , and press the **【Start】** button to start entering the set password. Or you can select **【5-1-2 Exit】** to exit the page and return to the **【5 System Reset】** .

3.To change, Use the **【Up】** button and **【Down】** button .Then press the **【Start】** button to enter the selected numbers.

4.After the password has been entered, the following screen will be displayed:



5.Move the cursor to **【Yes, restore default setting.】** , and press the **【Start】** button to Reset Income Data. If Clear was successful the words **【Reset Complete】** will appear in green.

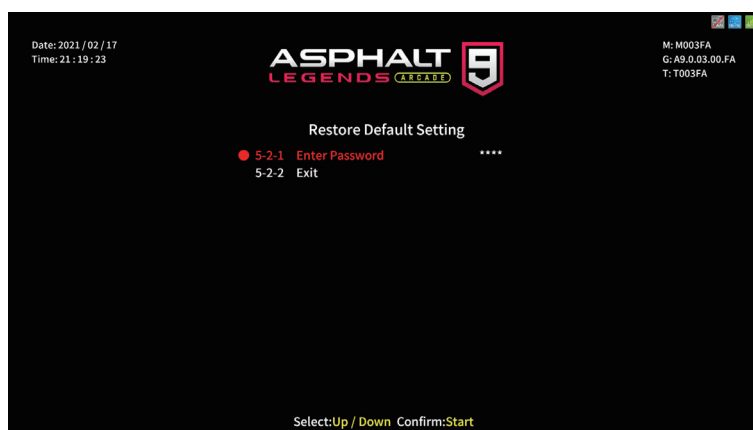
Note: This function cannot delete the data of **【Total Income】** .

6.When **【No, keep current setting.】** is selected, the screen will automatically direct to the page of **【5 System Reset】** .

4.8.2 Restore Default Setting

In the page of **【Restore Default Setting】** , you can set the system to the default setting.

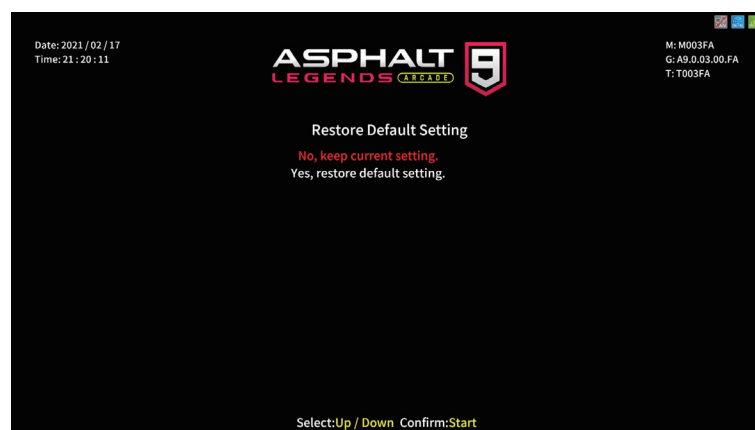
1.Enter **【Main Menu】** → **【5 System Reset】** → **【5-2 Restore Default Setting】** ,and the screen will display as below:



2.Move the cursor to choose **【5-2-1 Enter Password】** , and press the **【Start】** button to start entering the set password. Or you can select **【5-2-2 Exit】** to exit the page and return to the **【5 System Reset】** .

3.To change, Use the **【Up】** button and **【Down】** button .Then press the **【Start】** button to enter the selected numbers.

4.After the password has been entered, the following screen will be displayed:



5.Move the cursor to **【Yes, restore default setting.】** , and press the **【Start】** button to Reset Income Data. If Clear was successful the words **【Reset Complete】** will appear in green.

6.When **【No, keep current setting.】** is selected, the screen will automatically direct to the page of **【5.System Reset】** .

7.The settings below will be reset to default:

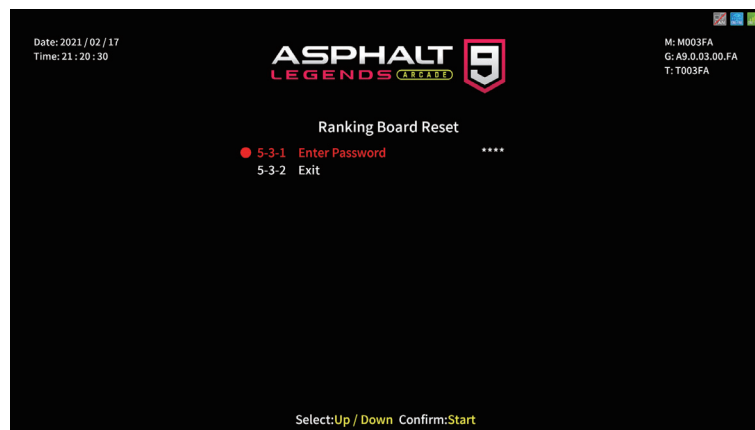
- (1) System Setting: Connection Setting, Country Setting, Store Setting, Password Setting, I/O Adjustment.
- (2) Game Setting: Coin Option, Volume Setting, Game Time, Battle Reward Setting,Flow Time Setting, Create Account For A Free Game.

Note: please refer to section 4.9 Game Setting Defaults for more details.

4.8.3 Ranking Board Reset

In the page of **【Ranking Board Reset】** , you can reset the ranking board record to the default setting.

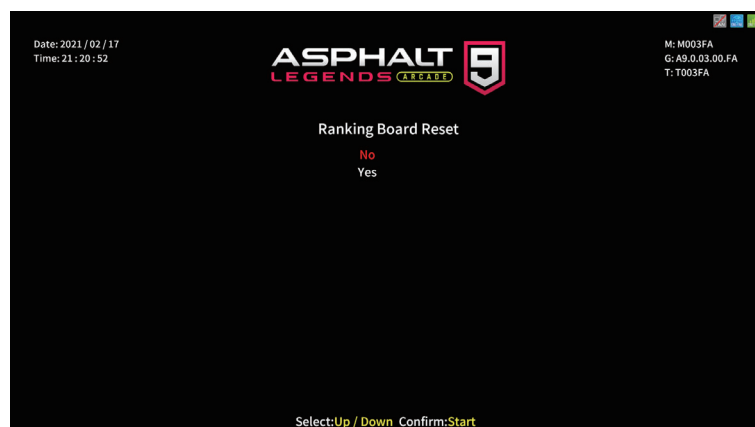
1.Enter **【Main Menu】** → **【5 System Reset】** → **【5-3 Ranking Board Reset】** ,and the screen will display as below:



2.Move the cursor to choose **【5-3-1 Enter Password】** , and press the **【Start】** button to start entering the set password. Or you can select **【5-3-2 Exit】** to exit the page and return to the **【5 System Reset】** .

3.To change, Use the **【Up】** button and **【Down】** button .Then press the **【Start】** button to enter the selected numbers.

4.After the password has been entered, the following screen will be displayed:



5. Move the cursor to **【Yes】** , and press the **【Start】** button to Reset Ranking Board.

If Clear was successful the words **【Reset Complete】** will appear in green.

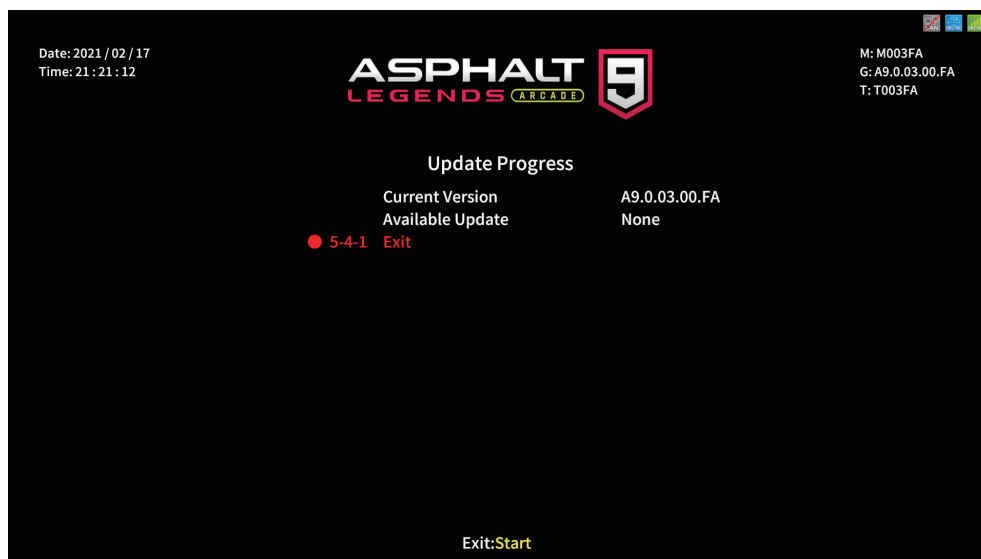
6. When **【No】** is selected, the screen will automatically direct to the page of **【5 System Reset】** .

Note: Only Local Ranking Board Will be reset.

4.8.4 Update Progress

1. In the page of **【Update Progress】** , you can check if there is an update for the latest version. The set-up steps are as follows.

2. Enter **【Main Menu】** → **【5 System Reset】** → **【5-4 Update Progress】** , and the screen will display as below:



3. Enter the page to check if you have the latest version, press the Start key to confirm and return to the previous menu.

4.9 Game Setting Defaults

Name of the Setting	Default Setting	Available Setting
Coin Option→Free Play	OFF	OFF, ON
Coin Option→Start Cost	6	1,2,3...20
Coin Option→Continue Cost	6	1,2,3...20
Volume Setting→ Daytime Volume Setting→Daytime Begin	8:00	00:00~23:00(set by the hour)
Volume Setting→ Evening Volume Setting→Evening Begin	18:00	00:00~23:00(set by the hour)
Volume Setting→ Daytime/Evening Volume Setting→ Master Volume	100%	0%,10%,20%...100%
Volume Setting→ Daytime/Evening Volume Setting→ Standby Volume	100%	0%,10%,20%...100%
Volume Setting→ Daytime/Evening Volume Setting→ Menu Volume	100%	0%,10%,20%...100%
Volume Setting→ Daytime/Evening Volume Setting→ Music Volume	100%	0%,10%,20%...100%
Volume Setting→ Daytime/Evening Volume Setting→ Scene Volume	100%	0%,10%,20%...100%
Volume Setting→ Daytime/Evening Volume Setting→ Engine Volume	100%	0%,10%,20%...100%
Volume Setting→ Daytime/Evening Volume Setting→ Vehicle Volume	100%	0%,10%,20%...100%
Daytime/Evening Volume Setting→ Notification Volume	100%	0%,10%,20%...100%
Game Time	Default	+20 Sec, Default,-20Sec
Battle Reward Setting→ Free Play For Champion	OFF	OFF, ON
Battle Reward Setting→ Max Bonus Game	1	1,2,3...10, Unlimited
Flow Time Setting→ User Profile	30	1,2,3...60
Flow Time Setting→ Allow Battle	10	1,2,3...30
Flow Time Setting→ Select Mode	10	1,2,3...30
Flow Time Setting→ Select Location	10	1,2,3...30
Flow Time Setting→ Select Route	10	1,2,3...30
Flow Time Setting→ Select Stage	10	1,2,3...30
Flow Time Setting→ Select Car	20	1,2,3...30
Flow Time Setting→ Waiting Lobby	10	1,2,3...30
Flow Time Setting→ Enter Your Name	30	1,2,3...30
Flow Time Setting→ Continue	10	1,2,3...30
Create Account For A Free Game	OFF	OFF, ON
Password Setting	0000	0000~9999

5. Maintenance and Service

5.1 Maintenance and service

Even though the machine works normally for a long time, the fault will occur. Therefore, please perform routine check and maintenance concerning the following to ensure a long-term use.

■ External Inspection

- Stick “Warning” stickers correctly, keep it legible.
- Firmly tighten the bolt for each adjuster.
- Tighten screws for speaker assembly.
- Tighten the signboard firmly.
- Check if the screws fixing the parts loose.
- Check if the connectors loose or missing.

■ Operation Inspection (With power on)

- Sound is normally emitted from the speakers or not.
- Fluorescent lamps and LED and button lamps light up or not
- Coin acceptor works properly or not.
- Lifting and falling devices work properly or not.
- YZ sensor works properly or not.

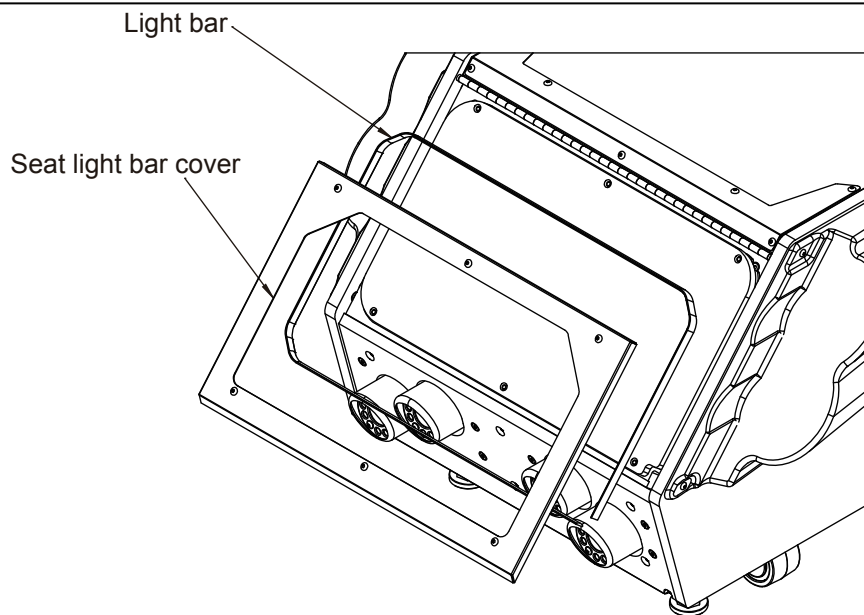
After completing all the checks, operate the game again and check the above items with full care!

■ Servicing (conducted by a technician only)

- Cut off the main power supply to avoid injury or electric shock when performing maintenance.
- Please contact our service center when performing any work that is not specified in this Manual, and follow the instruction provided by the service center.
- For consumables and spare parts (including screws), please use products specified by Wahlap Technology.
- Even though the main power is cut off, there is still high temperature and high pressure in the power board and the monitor. The person will be burnt or get an electric shock if he touches such parts. Please pay full attention to avoid contact.
- Be sure to cut off the main power when you alter a spare part or unplug a connector.

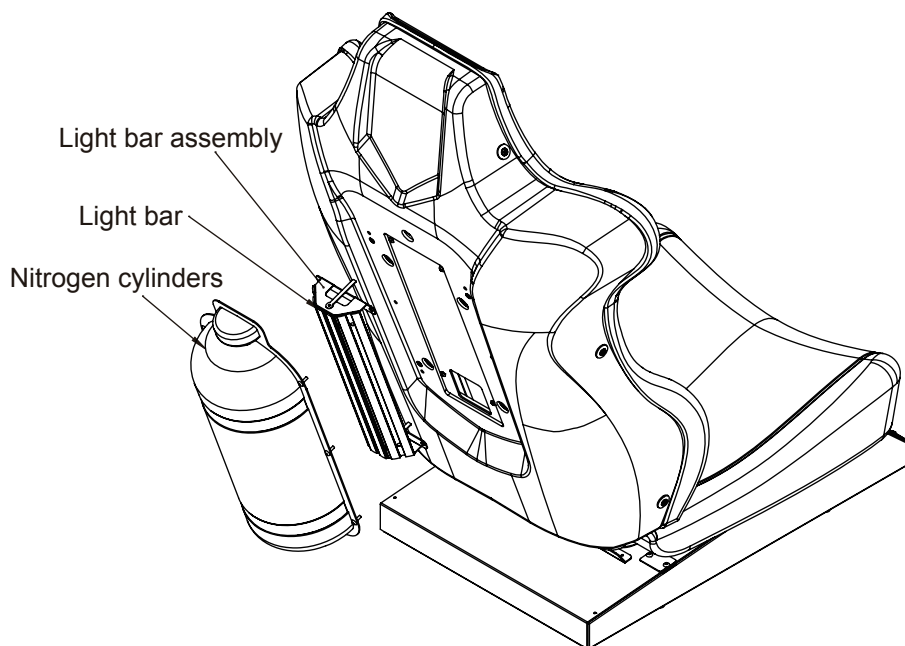
5.2 Part Replacement

5.2.1 Replacement and repair of the seat base light bar



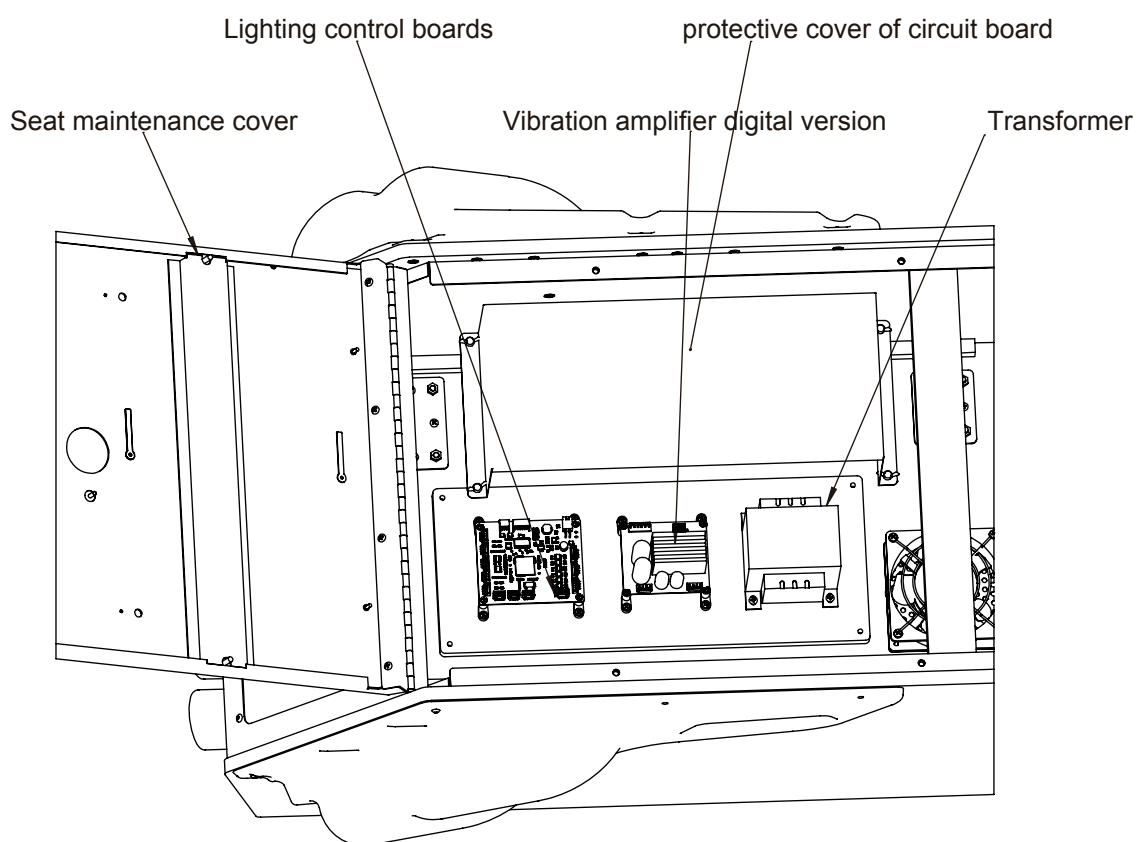
1. Remove the screws, and remove the light bar cover of seat (pay attention to the wire connection);
2. Remove the lamp strip and replace it, and install it back in reverse order.

5.2.2 Replacement and repair of nitrogen cylinder light bars



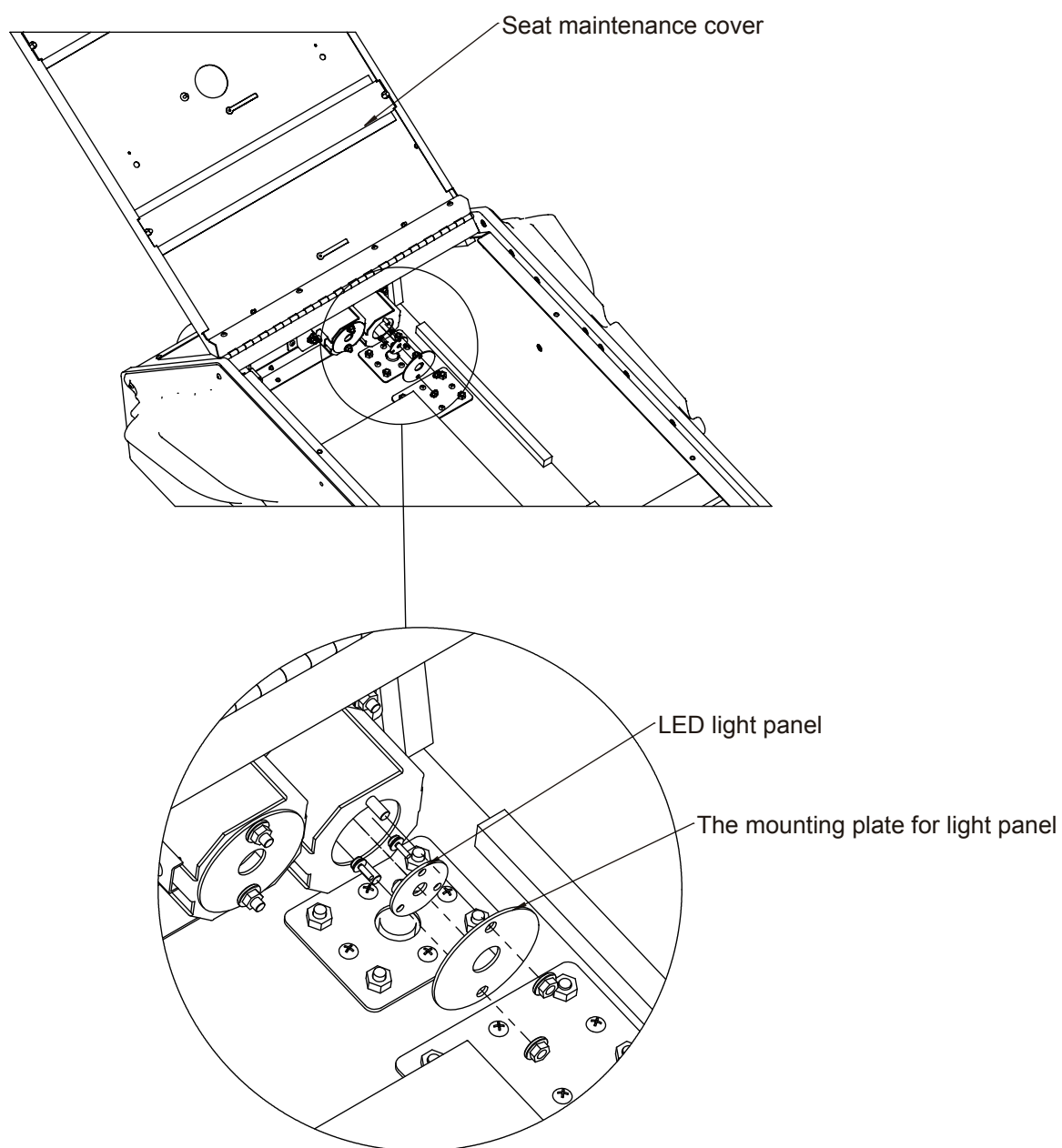
1. Remove the screws in turn to remove the nitrogen cylinder and the light bar assembly (note the wire connections).
2. Remove the lamp strip and replace it, and install it back in reverse order.

5.2.3 Replacement and repair of light control boards, digital versions of vibrating amplifiers and transformers



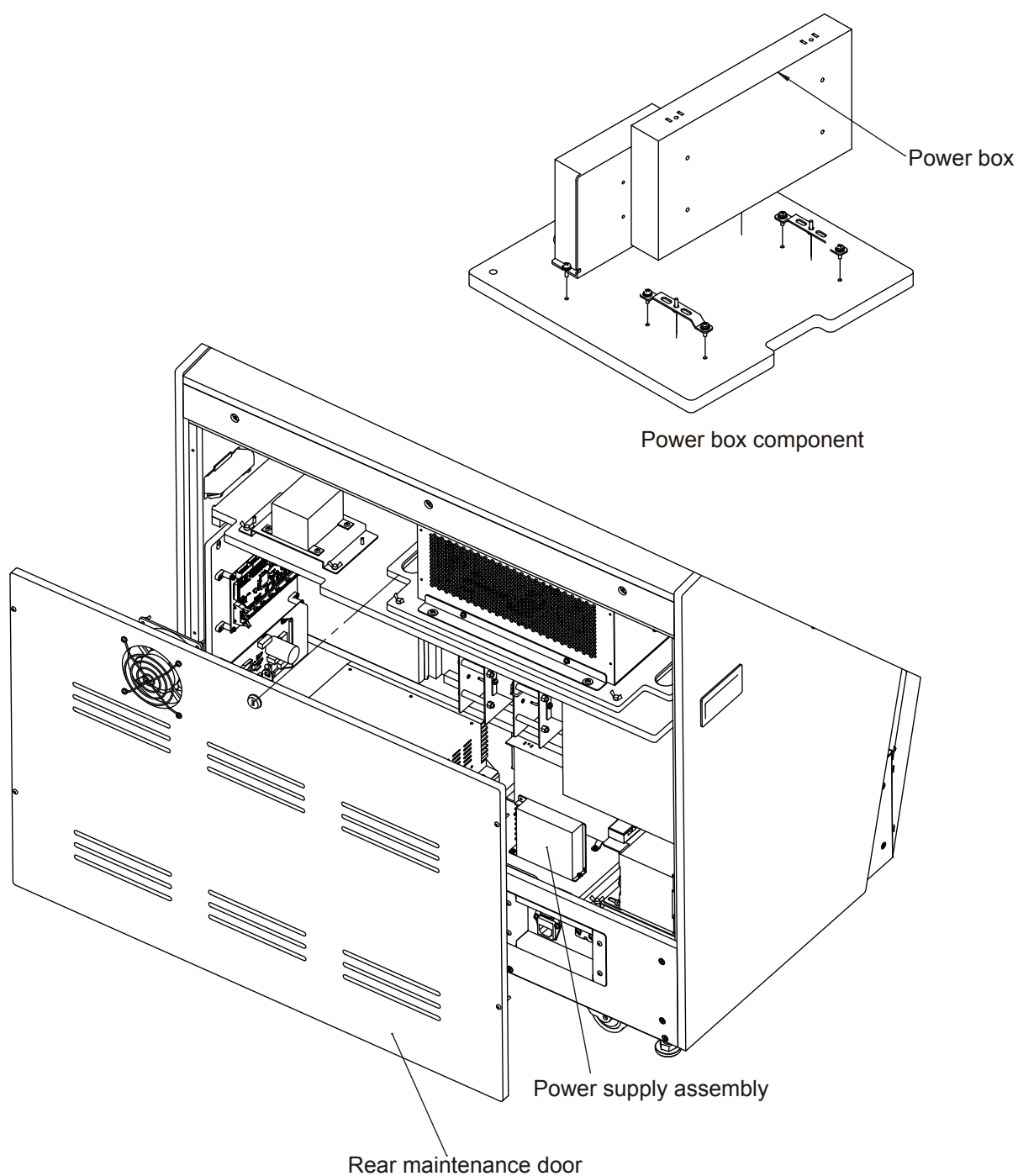
1. Remove the screws, and open the seat maintenance cover with key;
2. Remove the screws, and remove the protective cover of circuit board;
3. Remove the screws, replace the lighting control panel (pay attention to the wire connection), and install in reverse order(digital version of vibration power amplifier, transformer replacement is similar).

5.2.4 Exhaust LED light panel replacement and repair



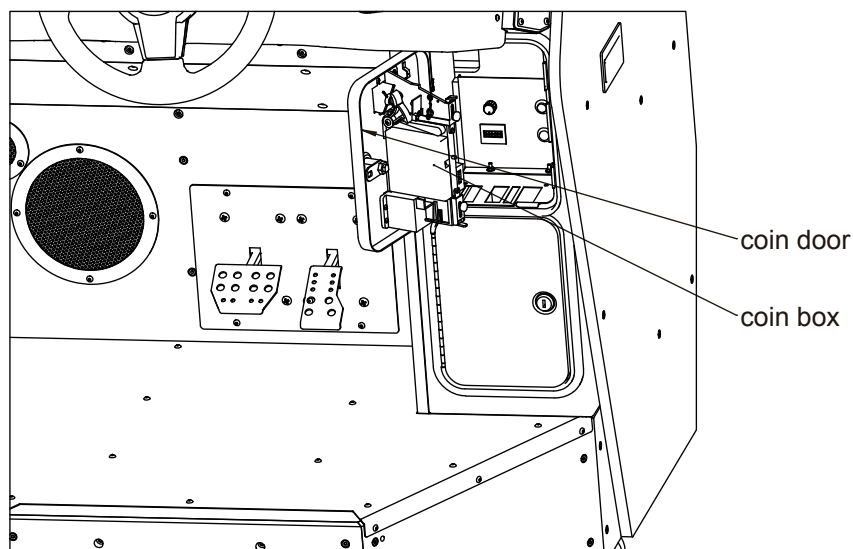
1. Remove the screws, and open the seat maintenance cover with key;
2. Remove nuts and the mounting plates for light panel in turn (pay attention to wire connection);
3. Remove the screws, replace the light panel, and install it in reverse order.

5.2.5 Power box replacement and repair



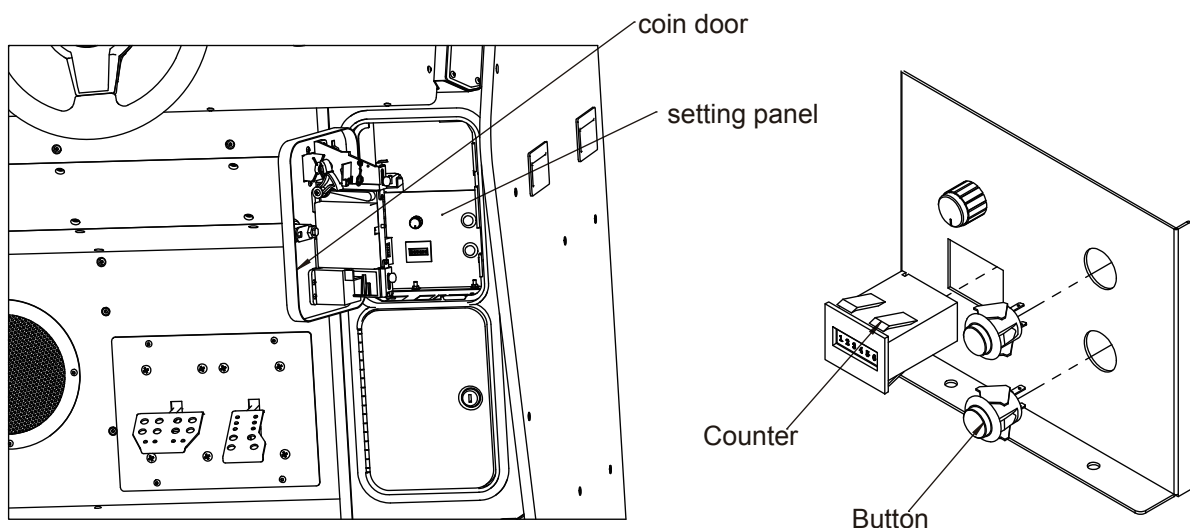
1. Remove the screws of rear maintenance door, and open the rear maintenance door with the key;
2. Remove the screws, and remove power box assembly (pay attention to the wire connection);
3. Remove the screws fixing the power box, and remove the power box for replacement or repair;
4. Assemble in reverse order.

5.2.6 Coin Box replacement and repair



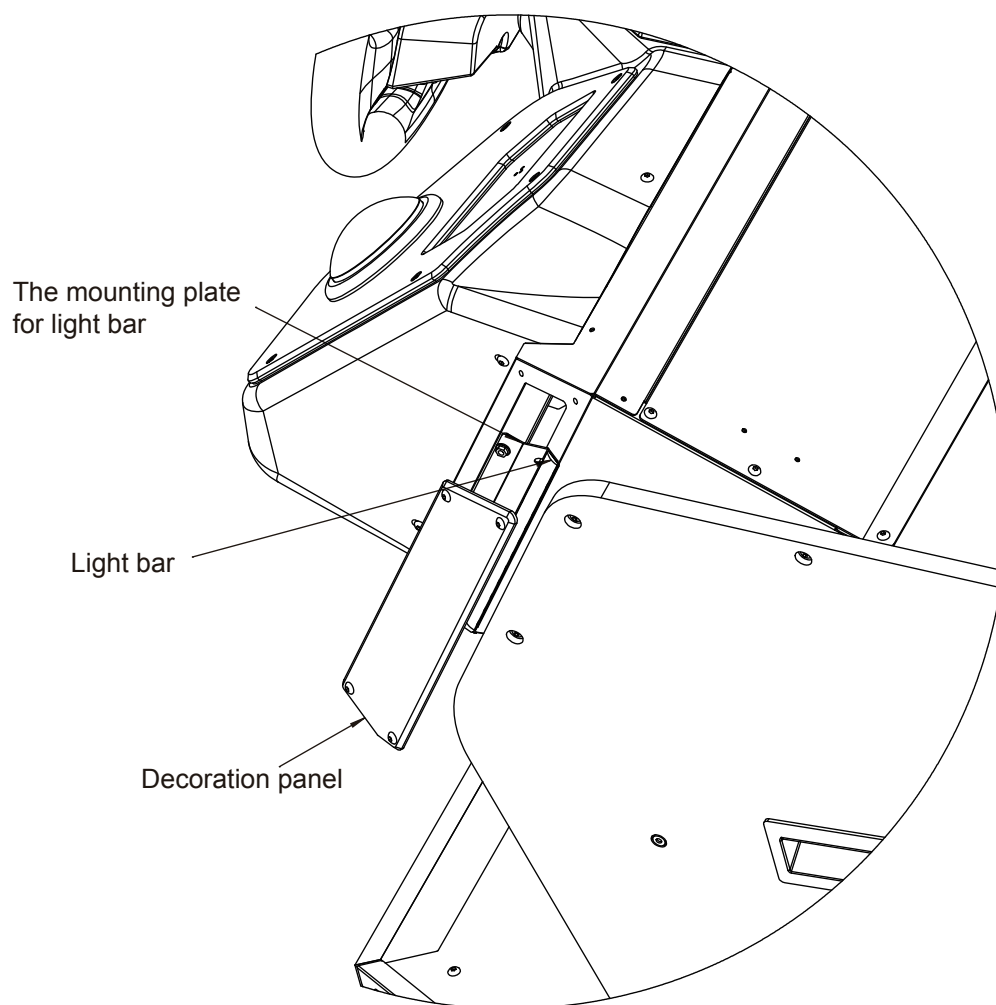
1. Open the coin door with the key;
2. Remove the screws fixing the coin slot, and remove the coin slot (pay attention to the wire connection);
- 3 After replacing or repairing the coin slot, install it in reverse order.

5.2.7 Counters and keys replacement and repair



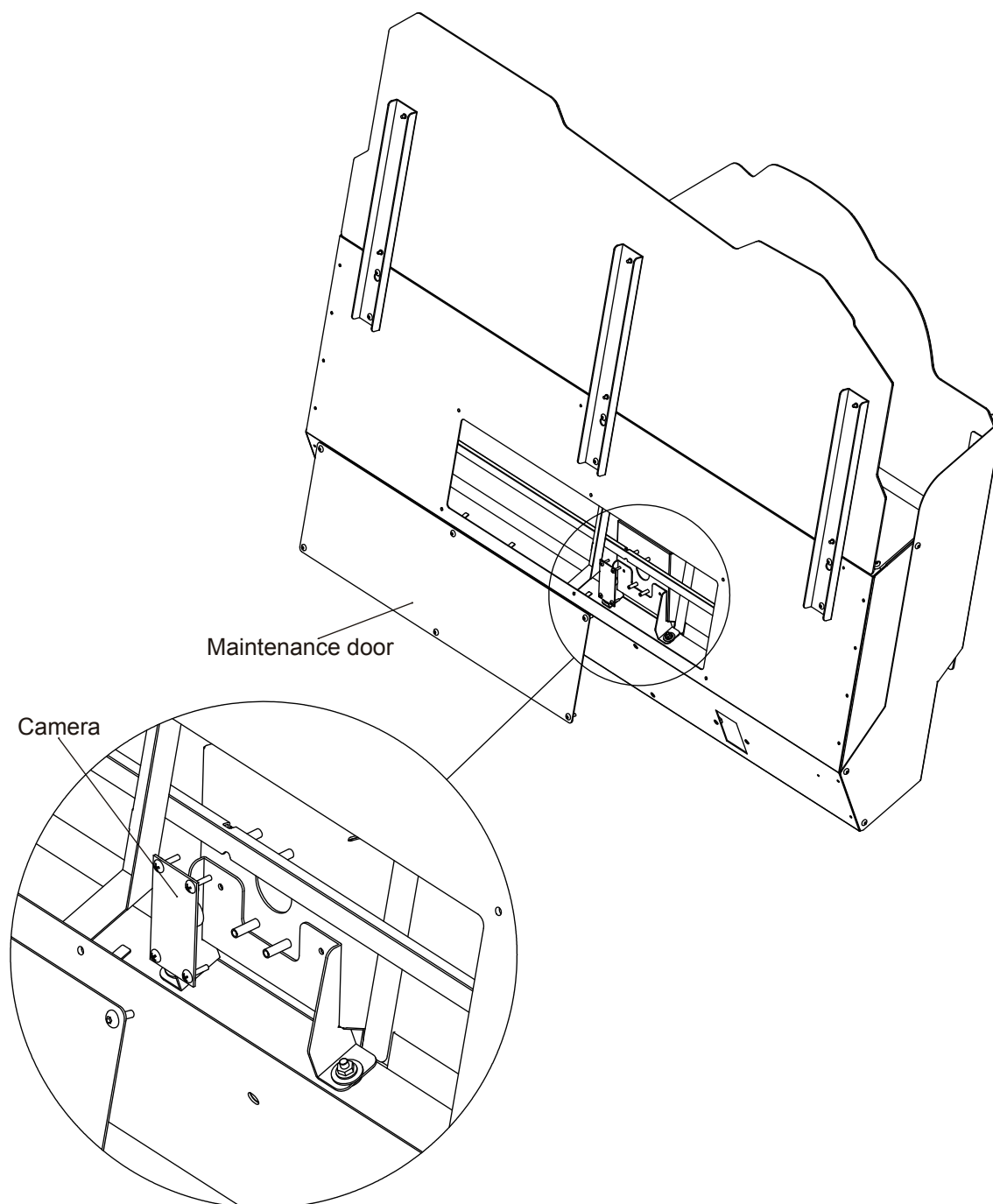
1. Open the coin door with the key;
2. Remove the nut fixing the setting panel group, and remove the setting panel (pay attention to the wire connection);
3. Replace the counter and button;
4. Assemble in reverse order.

5.2.8 Replacement and repair of light bars on both sides of the console



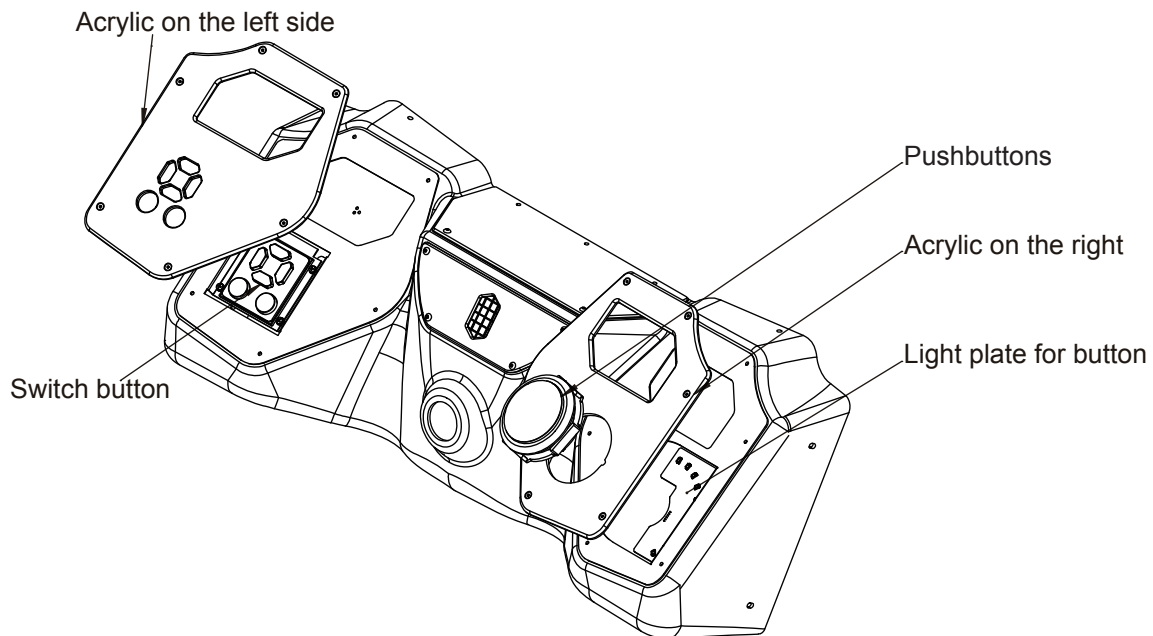
1. Remove the screws, and remove the decoration plate;
2. Remove the nuts fixing the mounting plate for light bar, and remove the mounting plate for light bar (pay attention to the wire connection);
3. Remove the light bar for replacement, and install it in reverse order (same for the opposite side).

5.2.9 Camera replacement and repair



1. Remove the screws, and remove the maintenance door;
2. Remove the screws fixing the camera, and repair or replace the camera (pay attention to the wire connection);
3. Assemble in reverse order.

5.2.10 Replacement and repair of switch buttons, keypad light panels and Pushbuttons



a. Replace switch button

1. Remove the screw fixing the acrylic at left, and remove the acrylic at left (pay attention to the wire connection);
2. Remove the screws fixing the switch button, and replace the switch button (pay attention to the wire connection);
3. Assemble in reverse order.

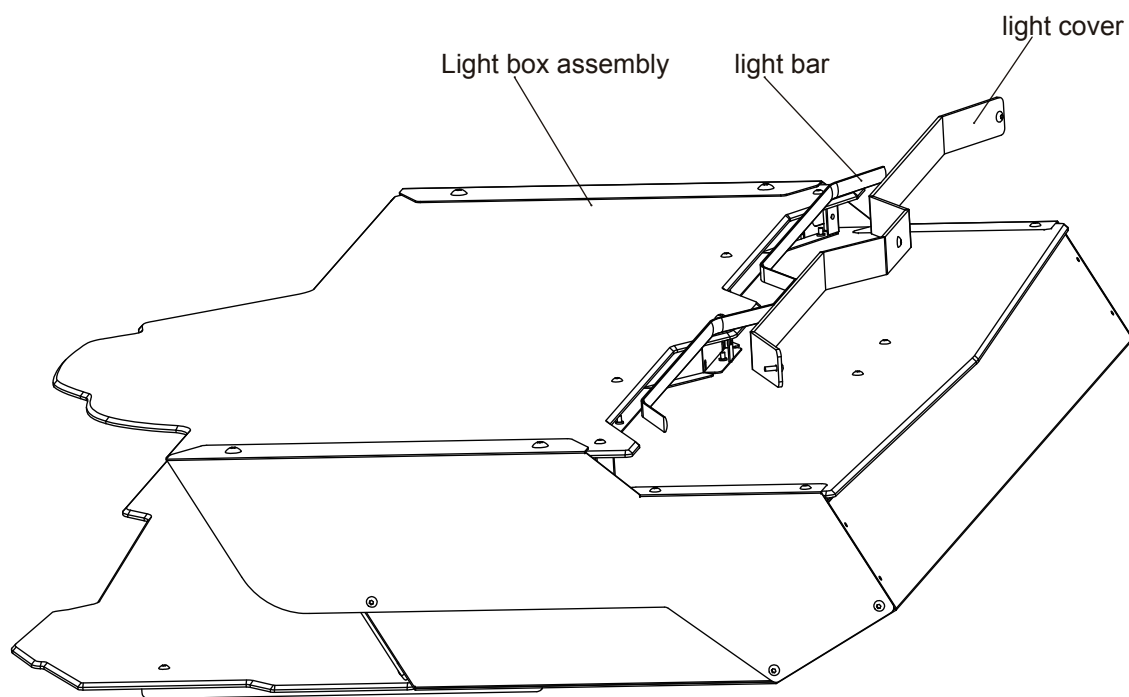
b. Replace the button

1. Remove the screw fixing the acrylic at right, and remove the acrylic at right (pay attention to the wire connection);
2. Replace the buttons, and install them in reverse order.

c. Replace light board of button

1. Remove the screw fixing the acrylic at right, and remove the acrylic at right (pay attention to the wire connection);
2. Remove the screws fixing the button light panel, and replace the button light panel;
3. Assemble in reverse order.

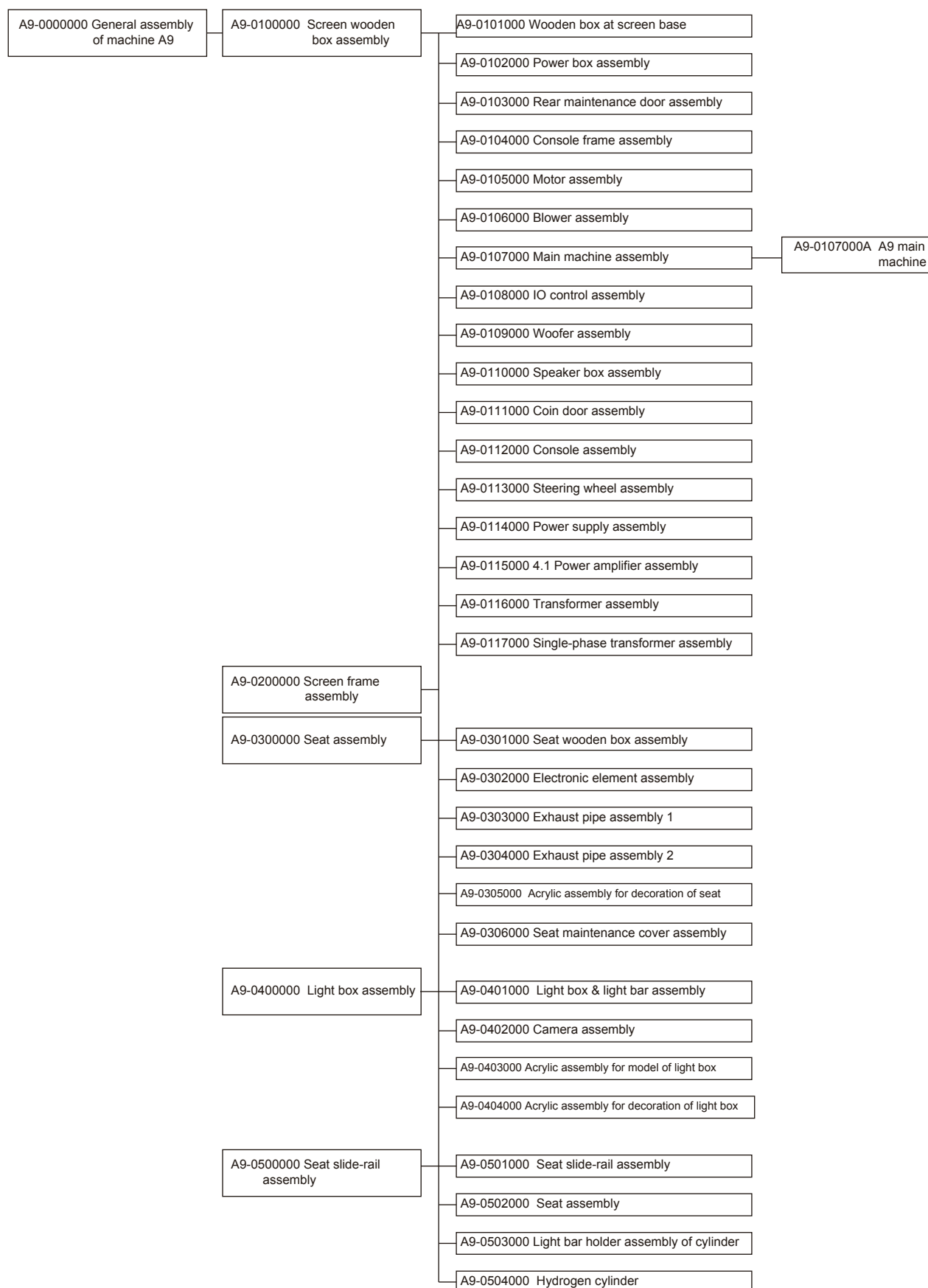
5.2.11 Light box light bar replacement and repair



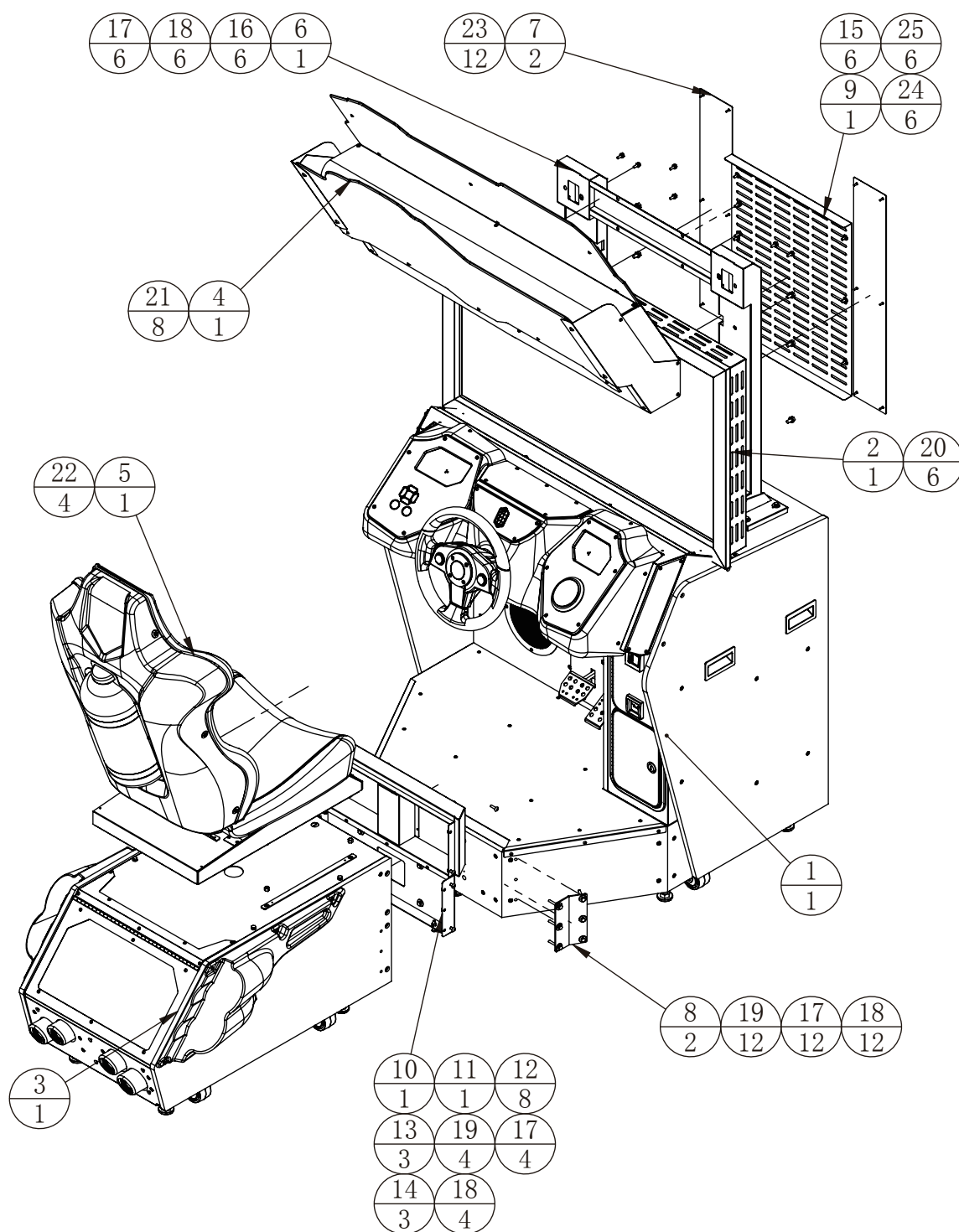
1. Remove the screws fixing the light cover, and remove light cover;
2. Remove the lamp strip and replace it, and install it back in reverse order.

6. Assembly

6.1 Assembly tree diagram

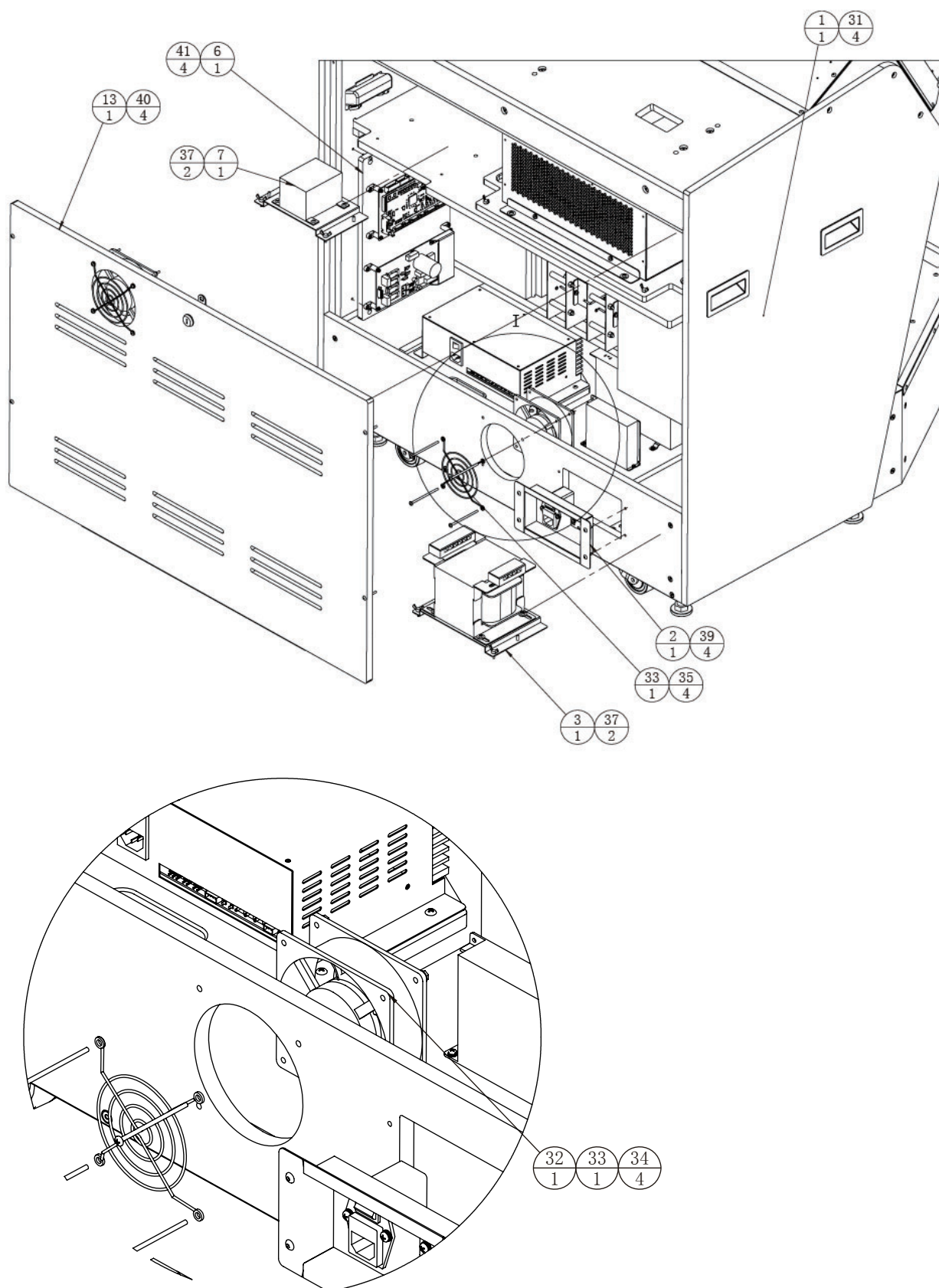


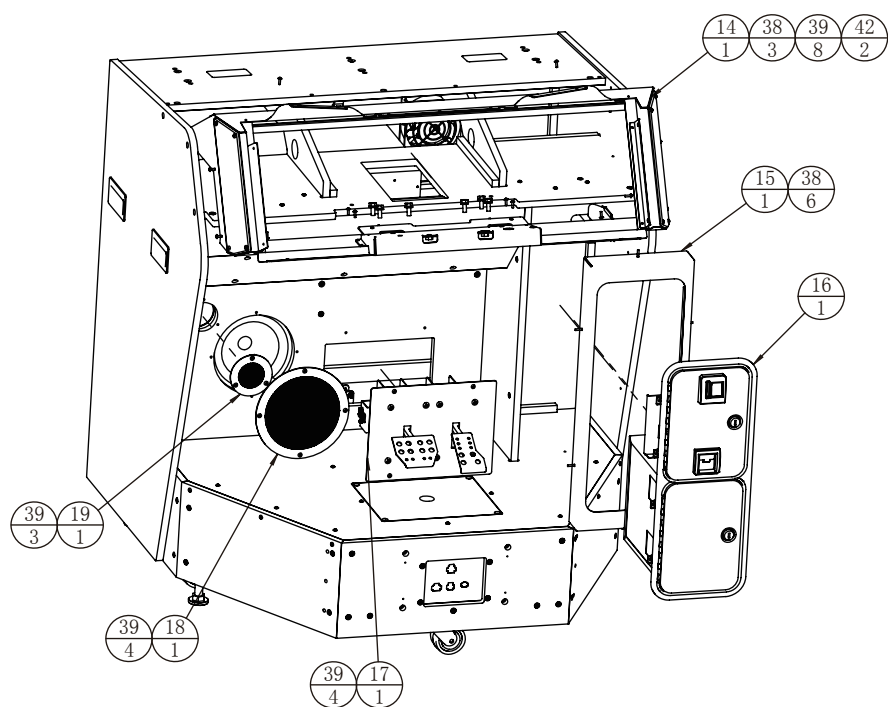
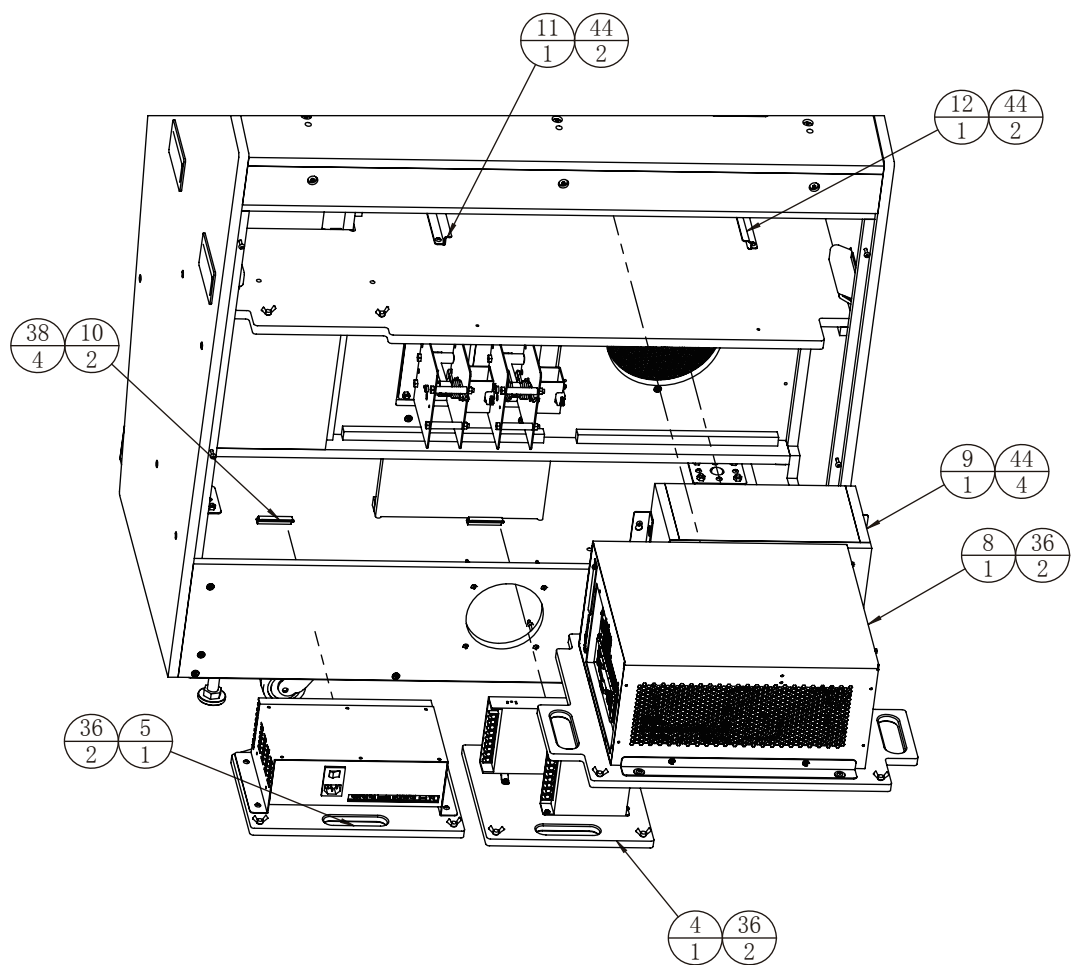
6.2 General assembly of machine A9 (A9-0000000)

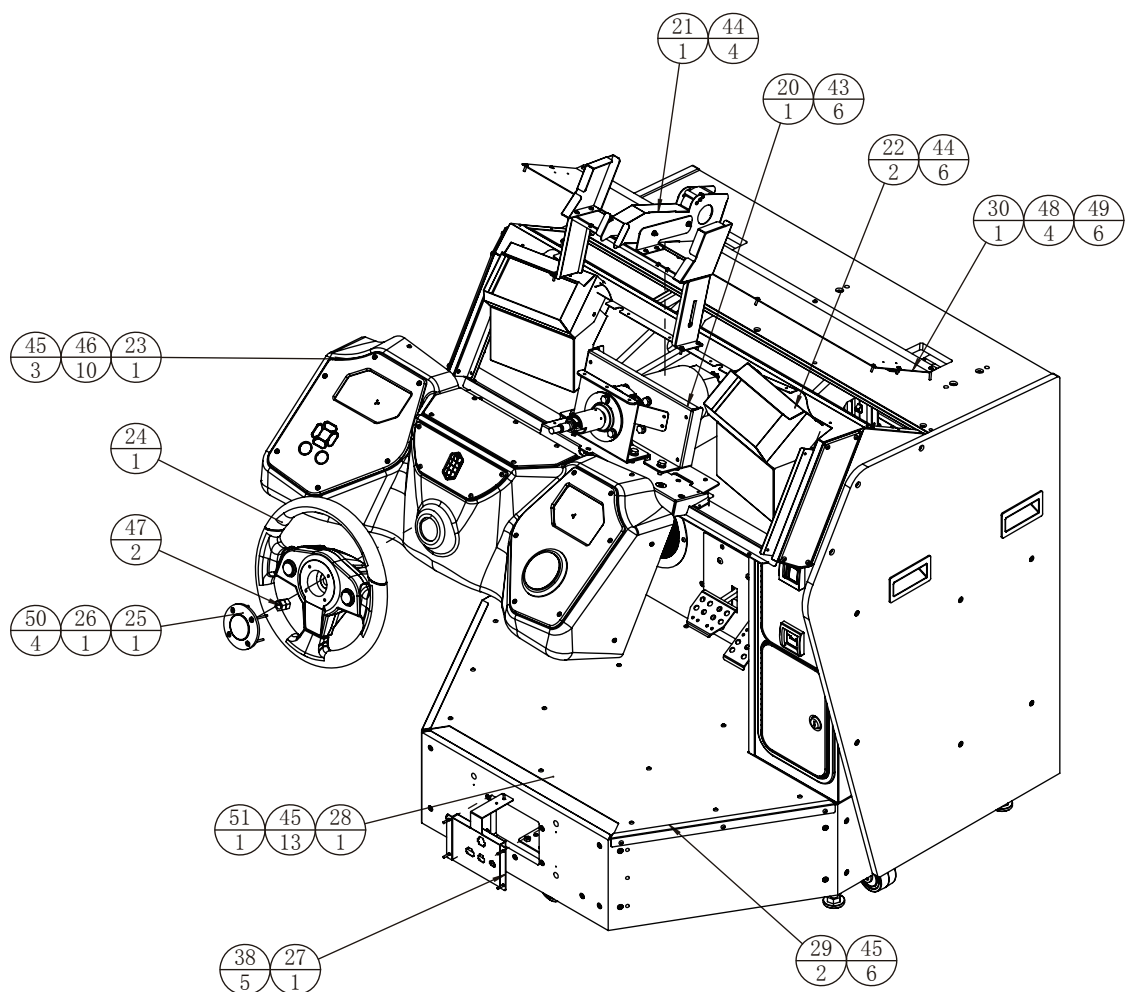


25		Nylon Wah	WS7-1	6	1.4.DC102210
24		Transistor gasket	TW-109	6	1.4.DC102220
23		hex socket cap screws	M4*12 (Black)	12	
22		Self-Locking Nuts	M8 (Galvanization)	4	
21		Hexagon triple combination	6*16*12*1.2(Black)	8	
20		Hexagon triple combination	8*16*16*1.5(Black)	6	
19		external hex socket screw	M6*40 (Black)	16	
18		spring washer	M6 (Black)	22	
17		plain washers	Φ6*Φ20*2.0 (Black)	22	
16		external hex socket screw	M6*50 (Black)	6	
15		Hexagon triple combination	6*20*12*1.2(Black)	6	
14		cross the big flat head screw	M4*12 (Black)	3	
13		cross the big flat head screw	M6*30 (Black)	3	
12		hex socket cap screws	M6*20 (Black)	8	
11	A9-0000A06	Seat wooden box front trim panel	SPCC-1.5T	1	1.1.IG39C00060
10	A9-0000A05	Seat wooden box mounting plate	SPCC-1.5T	1	1.1.IG39C00050
9	A9-0000A04	Screen maintenance cover	SPCC-1.2T	1	1.1.IG39C00040
8	A9-0000A03	seat connecting plate	SPCC-3.0T	2	1.1.IG39C00030
7	A9-0000A02	Maintenance cover for screen frame	SPCC-1.2T	2	1.1.IG39C00020
6	A9-0000A01	Screen frame bracket		1	1.1.IG39C00010
5	A9-0500000	Seat slide-rail assembly		1	
4	A9-0400000	Light box assembly		1	
3	A9-0300000	Seat assembly		1	
2	A9-0200000	Screen frame assembly		1	
1	A9-0100000	Seat wooden box assembly		1	
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3 Screen wooden box assembly (A9-0100000)



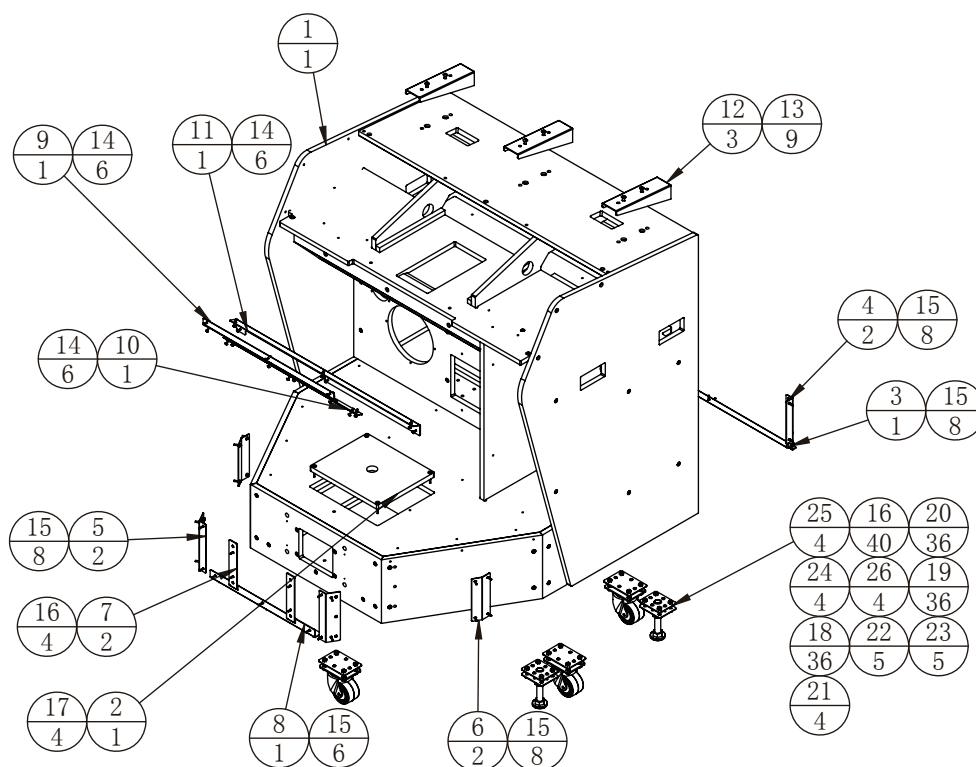




16	A9-0111000	Coin door assembly		1	
15	A9-0100A06	Single coin door mounting frame		1	1.1.IG39C00120
14	A9-0104000	Console frame assembly		1	
13	A9-0103000	Rear maintenance door assembly		1	
12	A9-0100A02	Main engine limit sheet metal 1	SPCC-1.5T	1	1.1.IG39C00080
11	A9-0100A03	Main engine limit sheet metal 2	SPCC-1.5T	1	1.1.IG39C00090
10	A9-0100A10	Board limit sheet metal	SPCC-1.5T	2	1.1.IG39C00160
9	A9-0109000	Woofer assembly		1	
8	A9-0107000	Main machine assembly		1	
7	A9-0116000	Transformer assembly		1	
6	A9-0108000	IO control assembly		1	
5	A9-0115000	4.1 Power amplifier assembly		1	
4	A9-0114000	Power supply assembly		1	
3	A9-0117000	Single-phase transformer assembly		1	
2	A9-0102000	Power box assembly		1	
1	A9-0101000	Screen base wooden box		1	1.2.IG39C00010
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

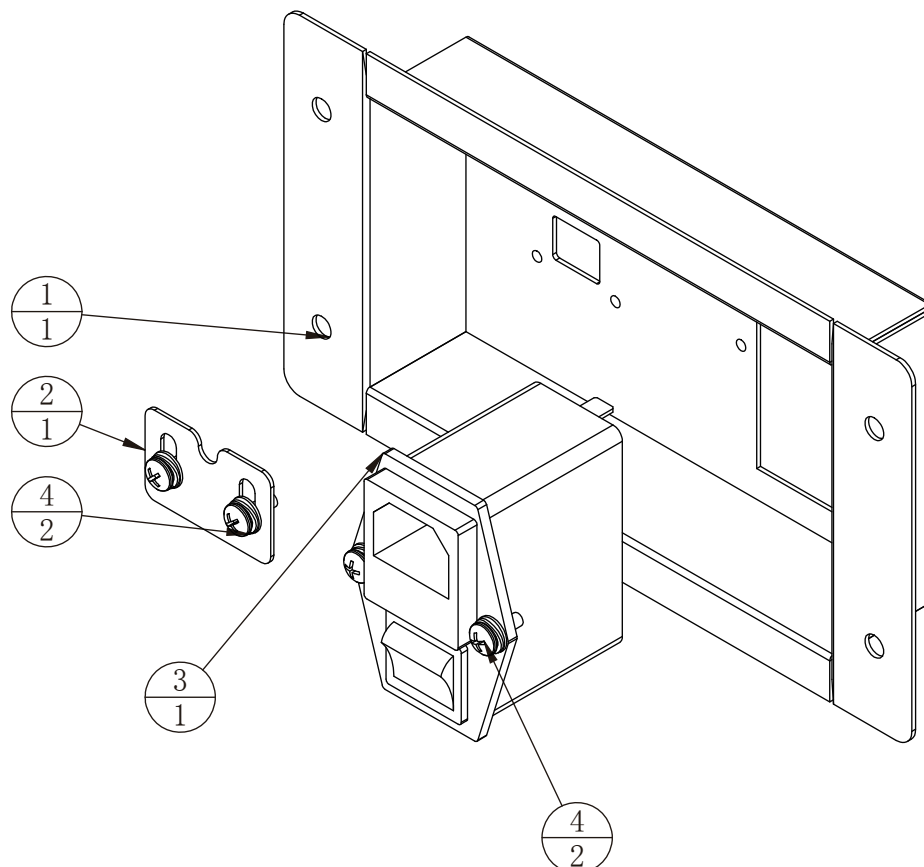
51		hex socket cap screws	M4*20 (chrome)	1	
50		hex socket cap screws	M4*40 (chrome)	4	
49		hex socket cap screws	M4*12 (Black)	6	
48		hex socket cap screws	M4*25 (Black)	4	
47		hexagon nut	M12 (Black)	2	
46		hex socket cap screws	M4*12 (chrome)	10	
45		hex socket cap screws	M4*16 (chrome)	22	
44		cross the big flat head screw	M4*12 (Black)	18	
43		Hexagon triple combination	8*20*16*1.5(Black)	6	
42		hex socket cap screws	M4*20 (Black)	2	
41		cross the big flat head screw	M4*20 (Black)	4	
40		hex socket cap screws	M4*30 (Black)	4	
39		hex socket cap screws	M4*16 (Black)	23	
38		cross the big flat head screw	M4*16 (Black)	17	
37		butterfly screws	M4*12 (Colour)	4	
36		butterfly screws	M4*20 (chrome)	6	
35		cross recessed cheese head screws	M4*70 (chrome)	4	
34		hex head cap screw	M4 (Colour)	4	
33		fan cover	120*120	2	1.4.FS300020
32		fan with bearing	120*120/AC110V	1	1.4.FS200042
31		Plastic clasp (black-for wooden cases)	Wooden case (Black)	4	1.8.AA000040
30	A9-0100A07	Control desk maintenance door		1	1.1.IG39C00130
29	A9-0100A09	Anti-skid plate pressing	SUS304-1.2T(Drawing)	2	1.1.IG39C00150
28	A9-0100A08	Anti slide	Patterned aluminium sheets	1	1.1.IG39C00140
27	A9-0100A01	Wire inserting orifice plate	SPCC-1.2T	1	1.1.IG39C00070
26	A9DX-P0014	steering wheel acryl	PMMA-3.0T	1	1.7.IG39A00250
25	A9DX-0300C01	steering wheel decorate plastic	ABS	1	1.8.IG39A00020
24	A9-0113000	Steering wheel assembly		1	
23	A9-0112000	Console assembly		1	
22	A9-0110000	Speaker box assembly		2	
21	A9-0106000	Blower assembly		1	
20	A9-0105000	Motor assembly		1	
19	A9-0100A04	Horn small screen board		1	1.1.IG39C00100
18	A9-0100A05	Loudspeaker screen board		1	1.1.IG39C00110
17		Vertical induction foot pedal (LT)		1	2.1.AA03A080
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.1 Wooden box at screen base (A9-0101000)



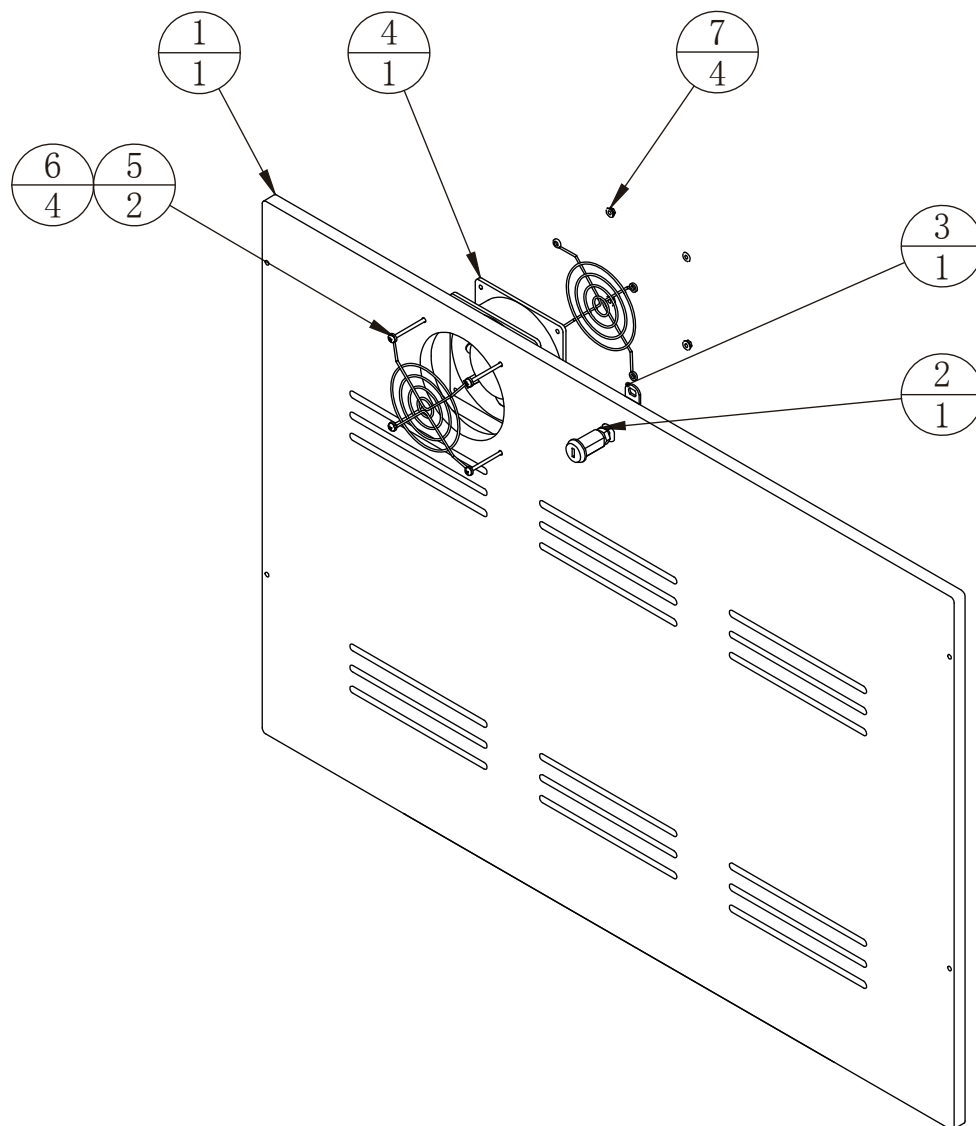
26		anchor bolt	M16*Y100 (Colour)	4	
25	WAH-0000A04	2.5 "light movable caster fixed iron/Anchor screw fixing iron 2	SPCC-2.0T	4	1.1.AA09000050
24	WAH-0000A06	Anchor screw fixing iron	SPCC-2.0T	4	1.1.AA09000010
23		Movable caster	2.5 inch low center of gravity type	5	1.4.JL302520
22	WAH-0000A05	2.5 inch heavy movable caster fixing iron	SPCC-2.0T	5	1.1.AA09000060
21		hexagon nut	M16 (Colour)	4	
20		external hex socket screw	M6*30 (Black)	36	
19		plain washers	φ6*φ12*2.0 (Black)	36	
18		spring washer	M6 (Black)	36	
17		cross the big flat head screw	M4*30 (Black)	4	
16		cross the big flat head self-drilling screw	M4*12 (Black)	40	
15		cross the big flat head screw	M4*16 (Black)	38	
14		hex socket cap screws	M4*20 (Black)	18	
13		hex socket cap screws	M6*20 (Black)	9	
12	A9-0101A01	Screen Wooden Case Reinforced Board Gold 12	SPCC-2.5T	3	
11	A9-0101A02	Screen Wooden Case Reinforced Board Gold 9	SPCC-1.5T	1	
10	A9-0101A10	Screen Wooden Case Reinforced Board Gold 8	SPCC-1.5T	1	
9	A9-0101A09	Screen Wooden Case Reinforced Board Gold 7	SPCC-1.5T	1	
8	A9-0101A08	Screen Wooden Case Reinforced Board Gold 6	SPCC-1.5T	1	
7	A9-0101A07	Screen wooden box mounting plate	SPCC-2.0T	2	
6	A9-0101A06	Screen Wooden Case Reinforced Board Gold 4	SPCC-1.5T	2	
5	A9-0101A05	Screen Wooden Case Reinforced Board Gold 3	SPCC-1.5T	2	
4	A9-0101A04	Screen Wooden Case Reinforced Board Gold 2	SPCC-1.5T	2	
3	A9-0101A03	Screen Wooden Case Reinforced Board Gold 1	SPCC-1.5T	1	
2	A9-0101B02	Alignment repair door	MDF-15.0T	1	
1	A9-0101B01	Screen wooden boxes	MDF-15.0T	1	
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.2 Power box assembly (A9-0102000)



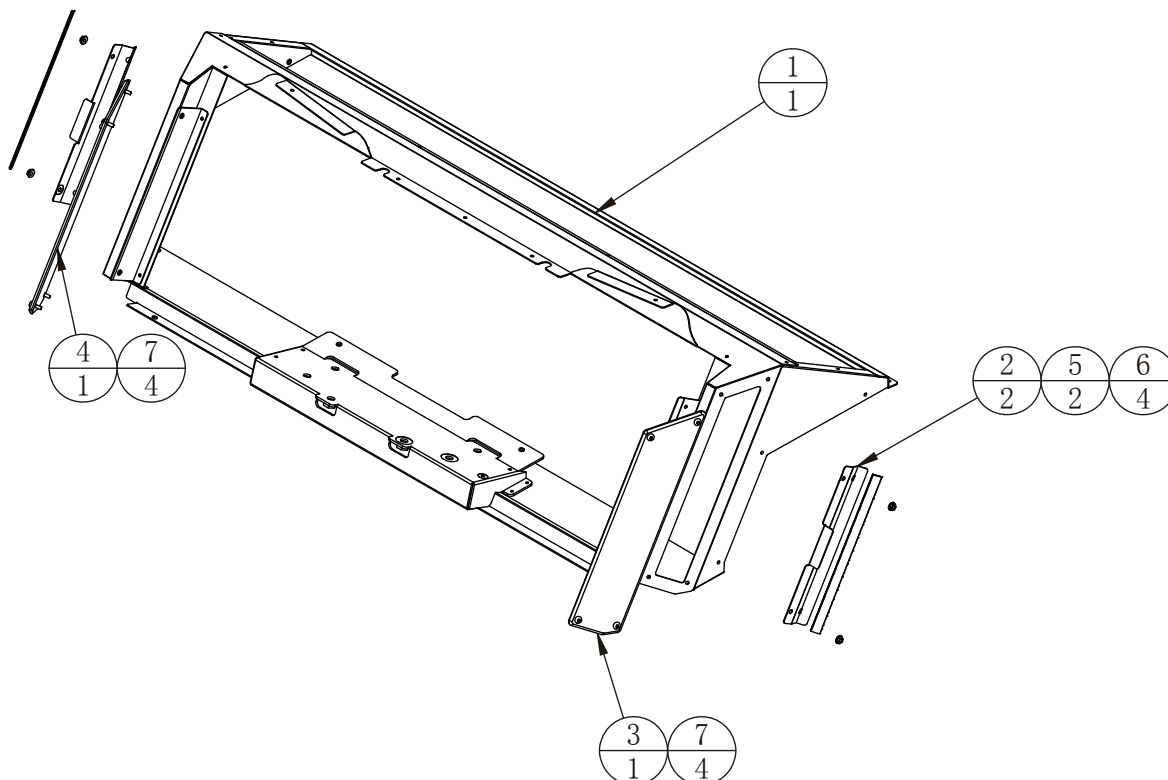
4		cross recessed fillister head three-combination screw	M4*8 (Black)	4	
3		filter with switch	YB11C1-10A-Q	1	1.4.LB100090
2	A9-0102A02	Wire cover	SPCC-1.0T	1	1.1.IG39C00180
1	A9-0102A01	power supply	SPCC-1.2T	1	1.1.IG39C00170
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.3 Rear maintenance door assembly (A9-0103000)



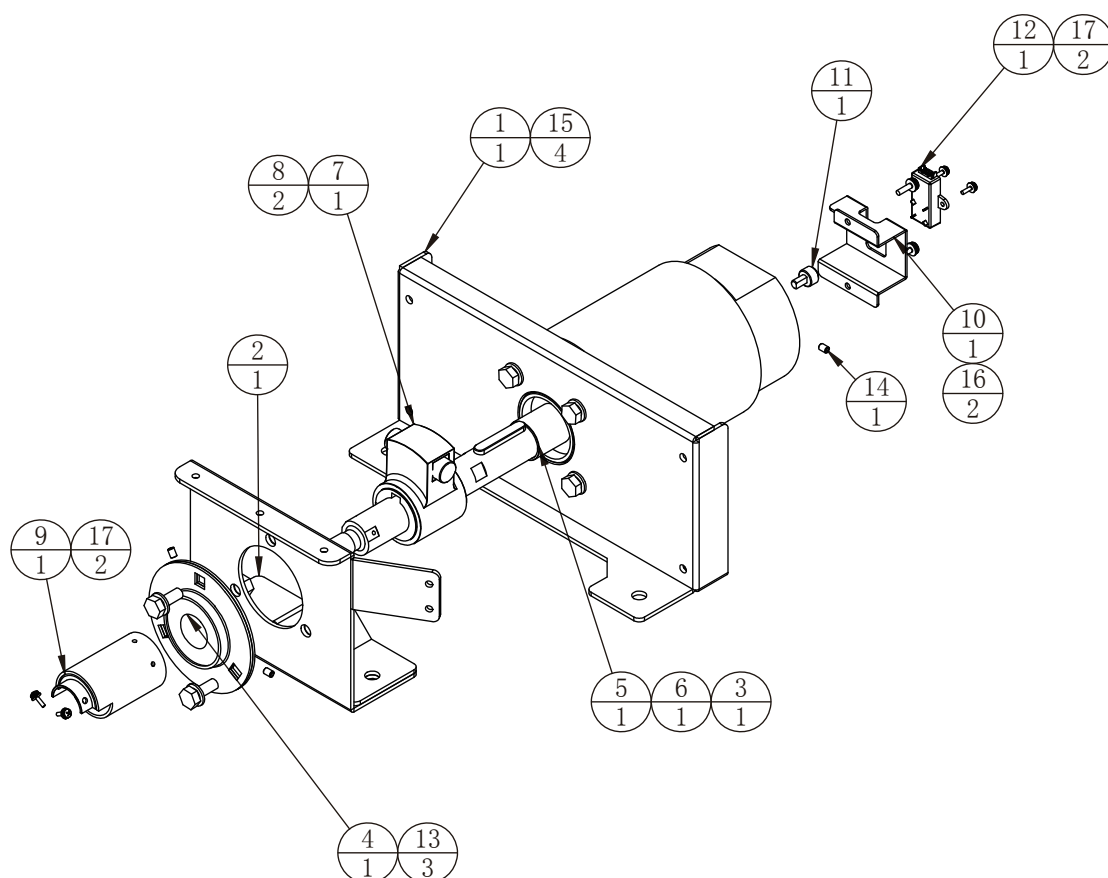
7		hex head cap screw	M4 (Colour)	4	
6		cross recessed cheese head screws	M4*70 (chrome)	4	
5		fan cover	120*120	2	1.4.FS300020
4		fan with bearing	120*120/AC110V	1	1.4.FS200042
3		locking plate	Long curved piece	1	1.4.SJ120017
2		Lingzhi door lock (28mm)	1810K	1	1.4.SJ120012
1	A9-0103B01	Repair the back door	MDF-15.0T	1	1.2.IG39C00020
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.4 Console frame assembly (A9-0104000)



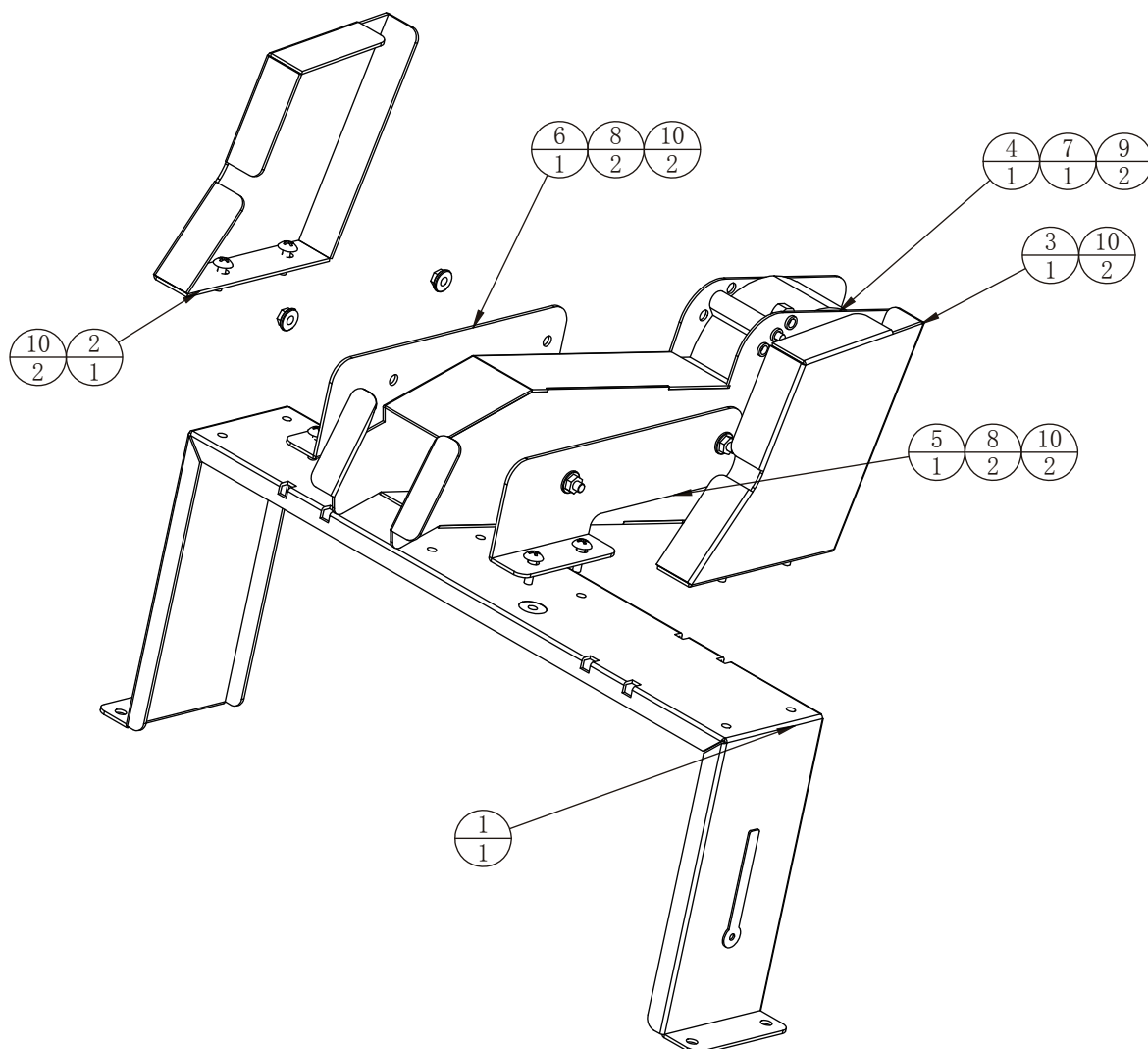
7		hex socket cap screws	M4*12 (Black)	8	
6		hex head cap screw	M4 (Colour)	4	
5		5050 strip light	DC12V RGB60 lamp L=200mm	2	1.4.ZM9E0015
4	A9-P0005	Left console decorative board	PMMA-5.0T	1	1.7.IG39C00090
3	A9-P0004	Right console decorative board	PMMA-5.0T	1	1.7.IG39C00080
2	A9-0104A02	Control lamp strip sheet metal	SPCC-1.0T	2	1.1.IG39C00200
1	A9-0104A01	Control desk frame		1	1.1.IG39C00190
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.5 Motor assembly (A9-0105000)



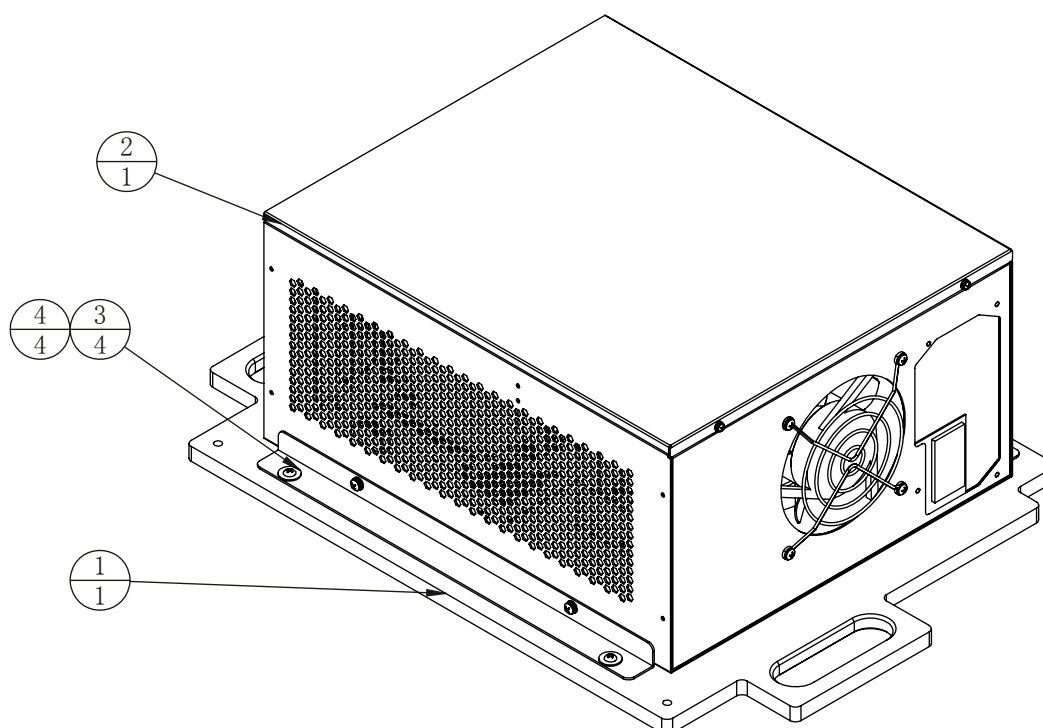
17		cross recessed fillister head three-combination screw	M3*8 (Black)	4	
16		cross recessed fillister head three-combination screw	M4*12 (Black)	2	
15		Hexagon triple combination	8*16*16*1.5(Black)	4	
14		headless hex socket screw	M5*6 (Black)	3	
13		Hexagon triple combination	8*20*16*1.5(Black)	3	
12		non-contact angle sensor assy	Kermit, VR magnet mount + magnet, electromagnetic VR outer cover + induction plate	1	
11		non-contact angle sensor assy	Kermit, VR magnet mount + magnet, electromagnetic VR outer cover + induction plate	1	
10	HXK-0113A02	potentiometer mounted plate	SPCC-1.5T	1	1.1.IG19A00410
9	SD4-0800A01	Assembly welding of steering wheel sleeve		1	1.1.IG04C00350
8	SR1-0501A05	Swing axle pads	Youlijiao	2	1.1.WA10A00260
7	SR1-0501A04	motor swing axle	45	1	1.1.WA10A00250
6	SR1-0501A03	Swing axle key	45	1	1.1.WA10A00240
5	SR1-0501A02	motor shaft case	45	1	1.1.WA10A00230
4		bearing	PF205	1	1.4.ZC001010
3		dc motors	112ZY100-40	1	1.4.MD100022
2	A9DX-0302A01	steering wheel brace		1	1.1.IG39A00410
1	A9DX-0302A02	motor mounted plate	SPCC-3.0T	1	1.1.IG39A00420
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.6 Blower assembly (A9-0106000)



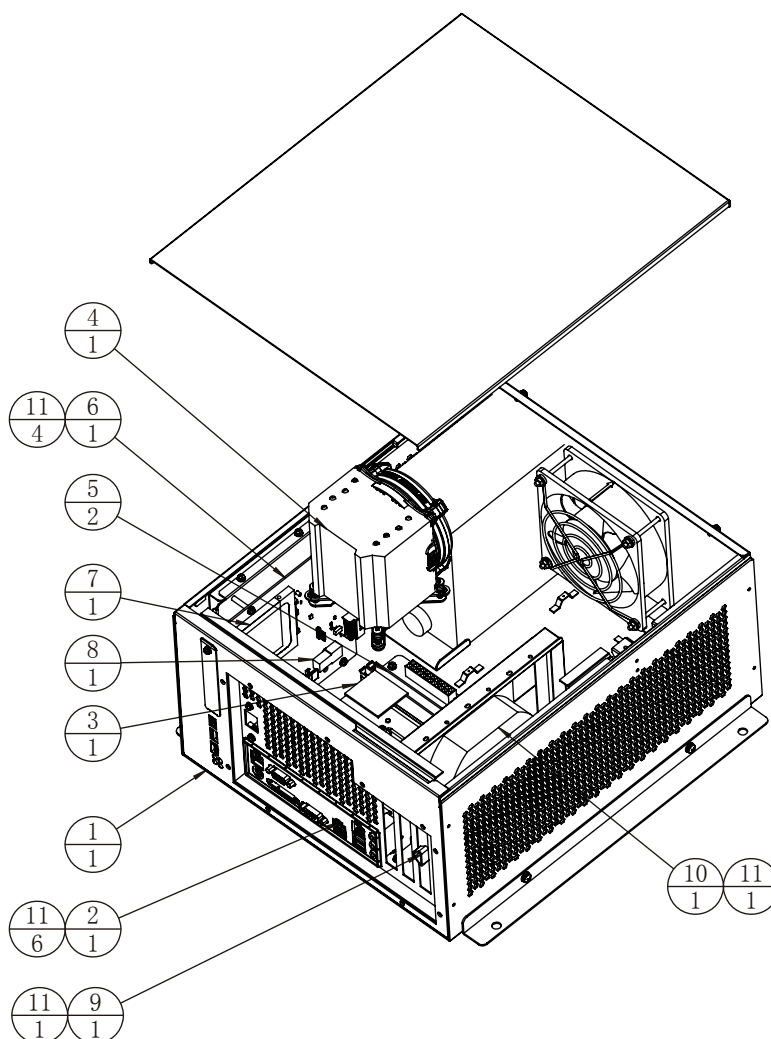
10		cross the big flat head screw	M4*12 (Black)	8	
9		cross the big flat head screw	M4*40 (Black)	2	
8		hex head cap screw	M4 (Colour)	4	
7		blower	KD1297PNB1	1	1.4.FS1A0030
6	A9-0106A06	Blower support plate 2	SPCC-1.5T	1	1.1.IG39C00260
5	A9-0106A05	Blower support plate 1	SPCC-1.5T	1	1.1.IG39C00250
4	A9-0106A04	Blower sheet metal		1	1.1.IG39C00240
3	A9-0106A03	Console support plate 2	SPCC-1.5T	1	1.1.IG39C00230
2	A9-0106A02	Console support plate 1	SPCC-1.5T	1	1.1.IG39C00220
1	A9-0106A01	Console support plate 3	SPCC-1.5T	1	1.1.IG39C00210
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.7 Main machine assembly (A9-0107000)



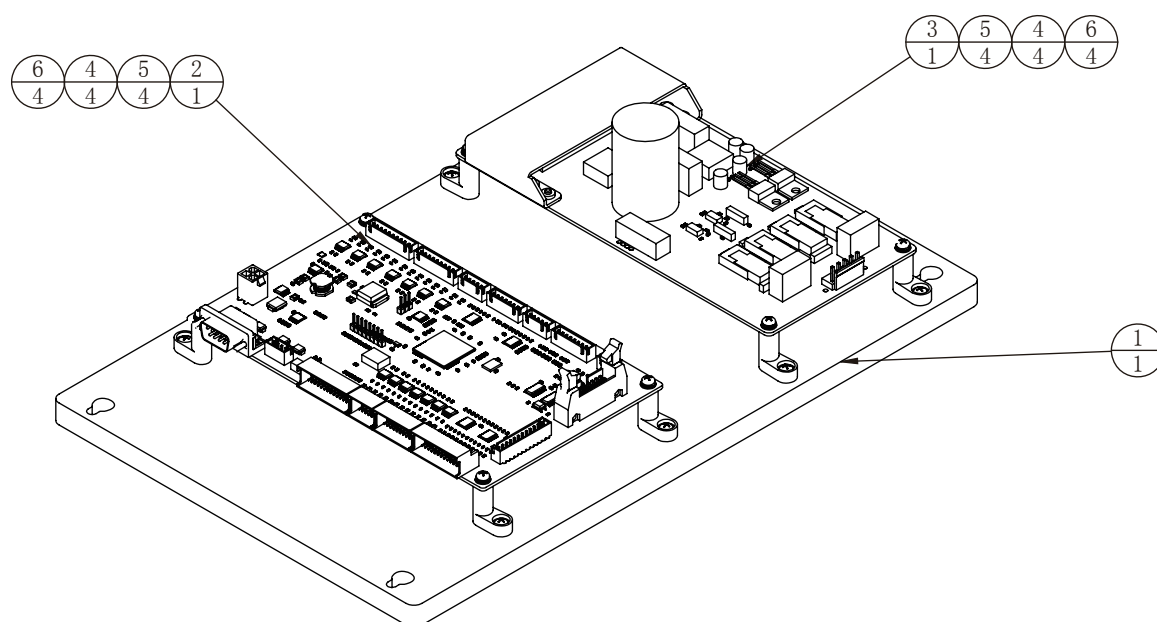
4		cross the big flat head screw	M4*12 (Black)	4	
3		plain washers	Φ4*Φ16*1.0 (Black)	4	
2	A9-0107000A	A9 main machine		1	2.1.IG39C010#
1	A9-0107B01	main pc set mounted wooden plate	MDF-12.0T	1	1.2.IG39C00030
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.7.1 A9 main machine (A9-0107000A)



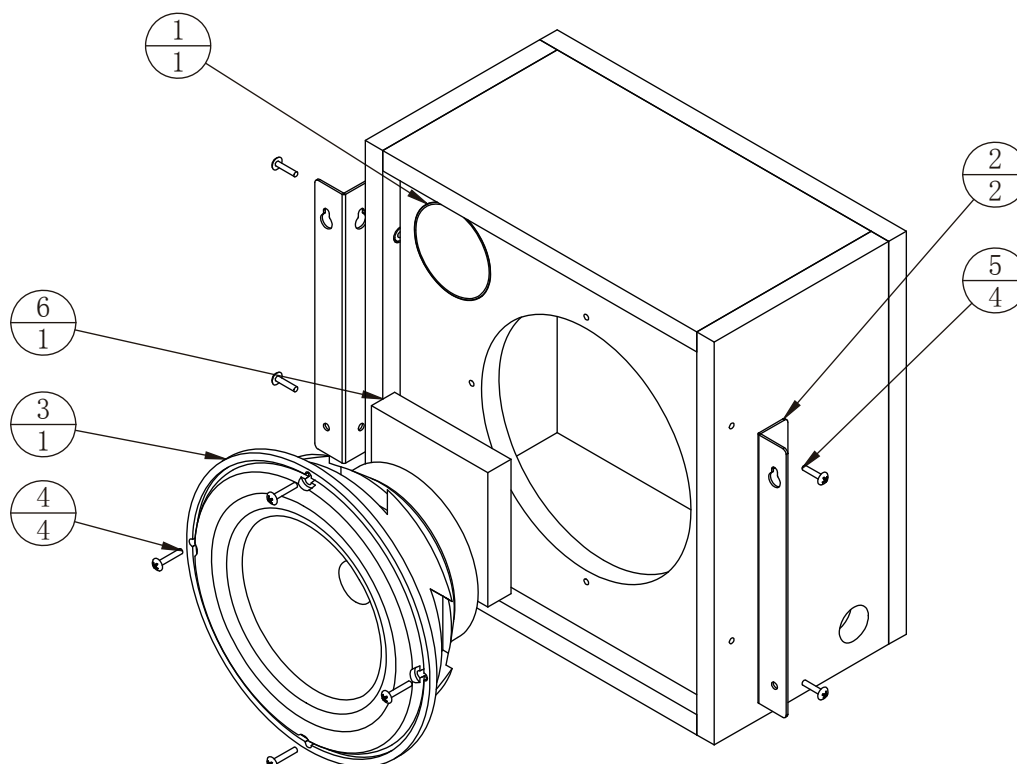
11		cross recessed fillister head three-combination screw	M3*8 (chrome)	12	
10	0991-50000257	graphics card	GTX 1650 OC 4G REV1.0(RoHS)	1	1.3.IG39A00070#
9	1134-50005000	Expansion baffle	12CF1-1CM001-31R,RS232 9Pin one Port+Stencil (with wire)	1	1.3.IG39A00170#
8	0991-50000143	dongle	SENTINEL HARDWARE KEY_子KEY(ROHS)	1	1.3.IG39A00120#
7	0995-50000016	hard disc	SSD_64GB(MLC)(RoHS)	1	1.3.IG39A00080#
6	5651-00000206	M23 protection plate	NZ-#0(RoHS)	1	1.3.IG39A00130#
5	0583-00000035	Memory Sticks	SDRAM MODULE 8G DDR4-2400(RoHS)	2	1.3.IG39A00110#
4	0991-50000236	Fan assembly	TAISOL, heat sink (94*121*45.4mm) + fan (3800RPM+/-10%)+Parts	1	1.3.IG39A00100#
3	0552-20000029	CPU	Intel,3M Cache, 3.9GHz,FCLGA14C	1	1.3.IG39A00090#
2	0991-50000250	mother board	GIGABYTE,BIOS(Compatible F21f ZG) ,with Enhanced ESD Foam File Board(12AIO-D4A385-14R)	1	1.3.IG39A00060#
1	VS-0000000	V3000 host housing		1	2.1.AA030070
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.8 IO control assembly (A9-0108000)



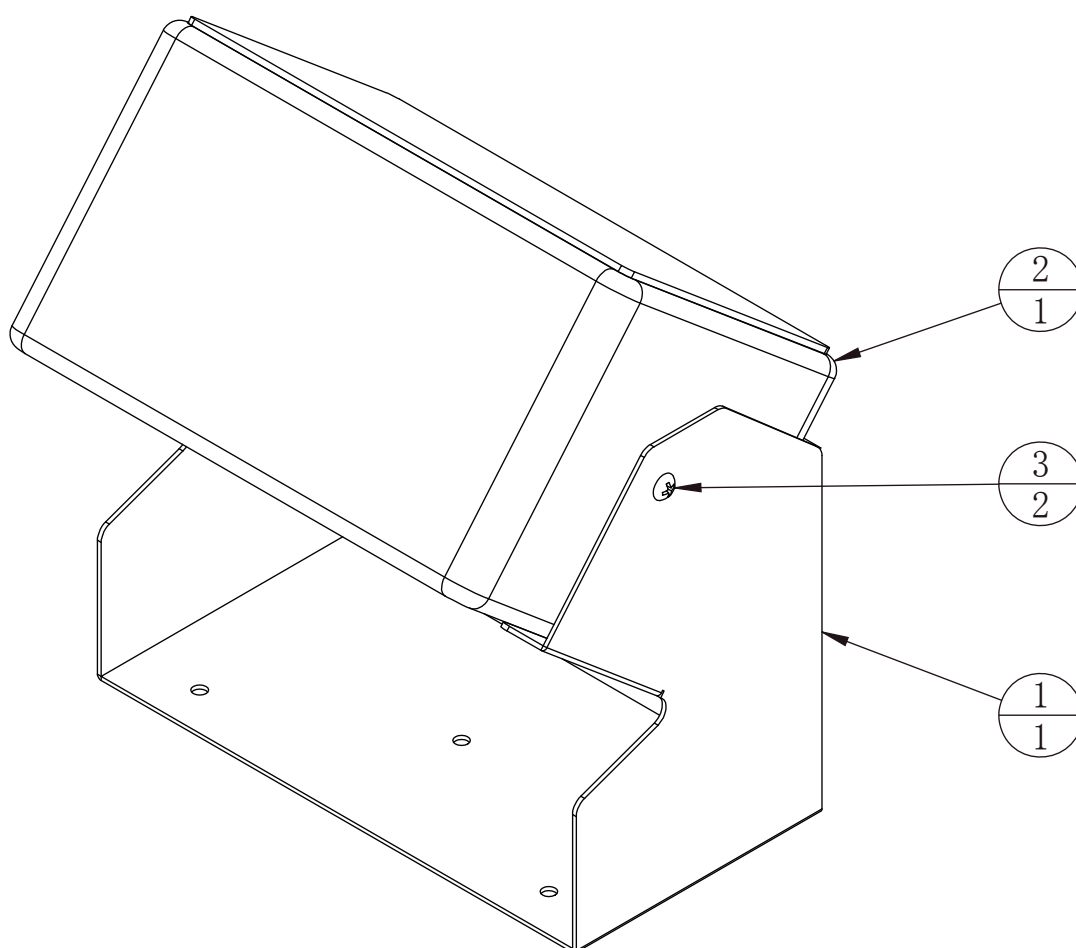
6		cross the big flat head self-drilling screw	M3*12 (chrome)	8	
5		cross recessed fillister head three-combination screw	M3*8 (chrome)	8	
4		I-holder	M3mm	8	1.9.LX103010
3		control motor board	LQ-A-0_Cement Resistor (RoHS)	1	1.3.IG39A00030#
2		I/O board pcb	OL-#-0(Trial Production)(RoHS)	1	1.3.IG39C00010#
1	A9-0108B01	IO control board	MDF-12.0T	1	1.2.IG39C00040
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.9 Woofer assembly(A9-0109000)



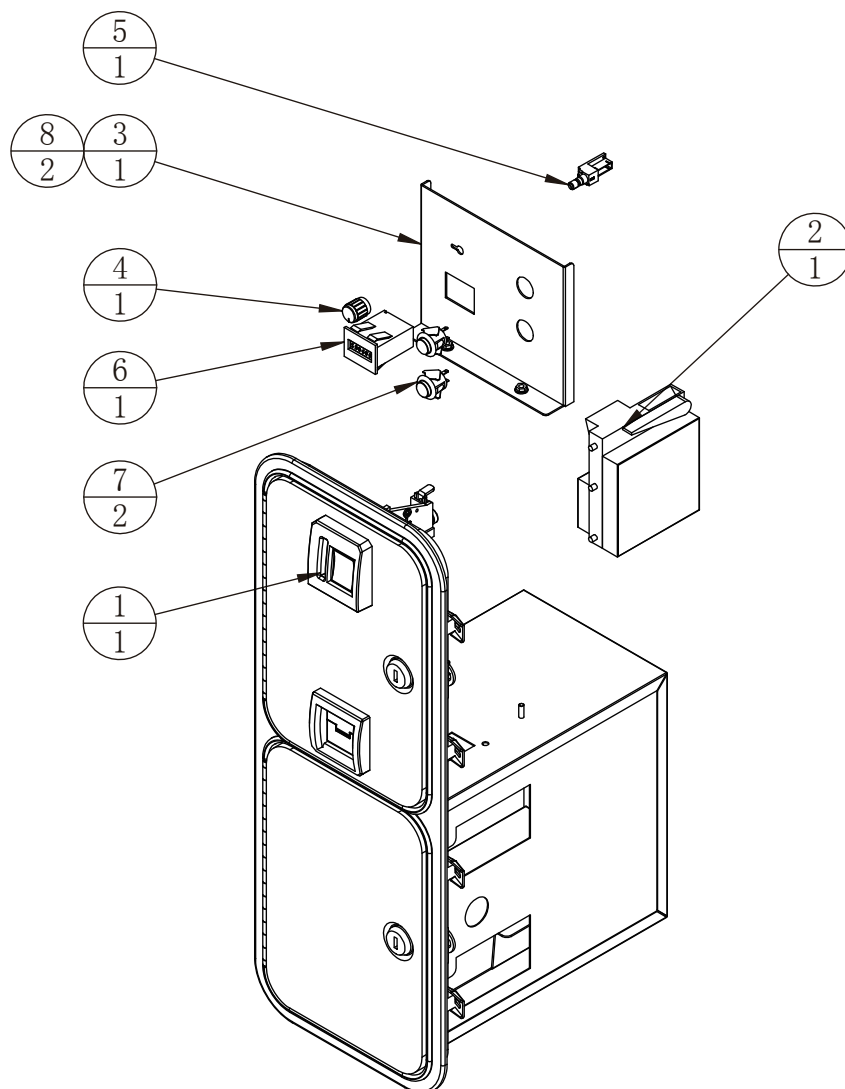
6		sponge	20mm thick*160mm wide*400mm long (Density:35)	1	1.9.HM030020
5		cross the big flat head screw	M4*16 (Black)	4	
4		cross the big flat head screw	M4*20 (Black)	4	
3		woofer	Kermit HIT-800W 4Ω/60W (with anti-magnetic cover)	1	1.4.YS604010
2	A9-0109A01	Bass speaker mounting plate	SPCC-1.5T	2	1.1.IG39C00270
1	A9-0109B01	Bass speaker		1	1.2.IG39C00050
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.10 Speaker box assembly (A9-0110000)



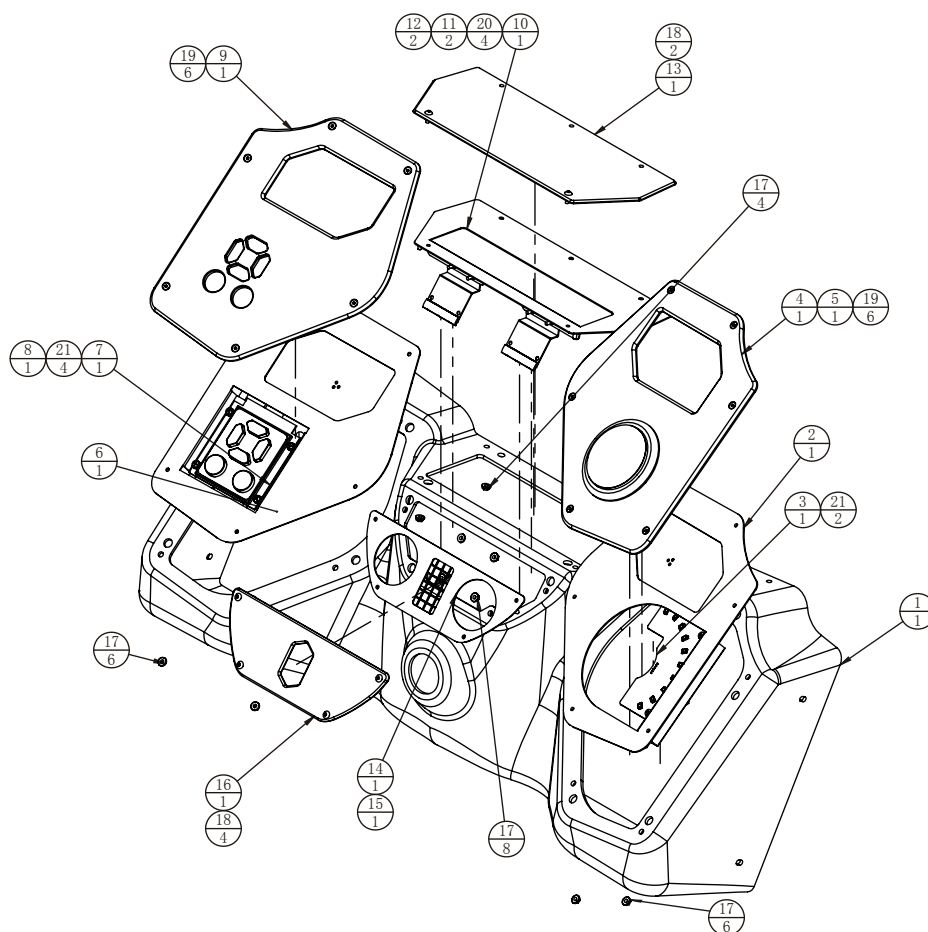
3		cross the big flat head screw	M4*12 (Black)	2	
2		loudspeaker 4"	4" 4Ω 25W(JK-BX-96HW)	1	1.4.YSD00010
1	A9-0110A01	Horn box mounting plate	SPCC-1.5T	1	1.1.IG39C00280
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.11 Coin door assembly (A9-0111000)



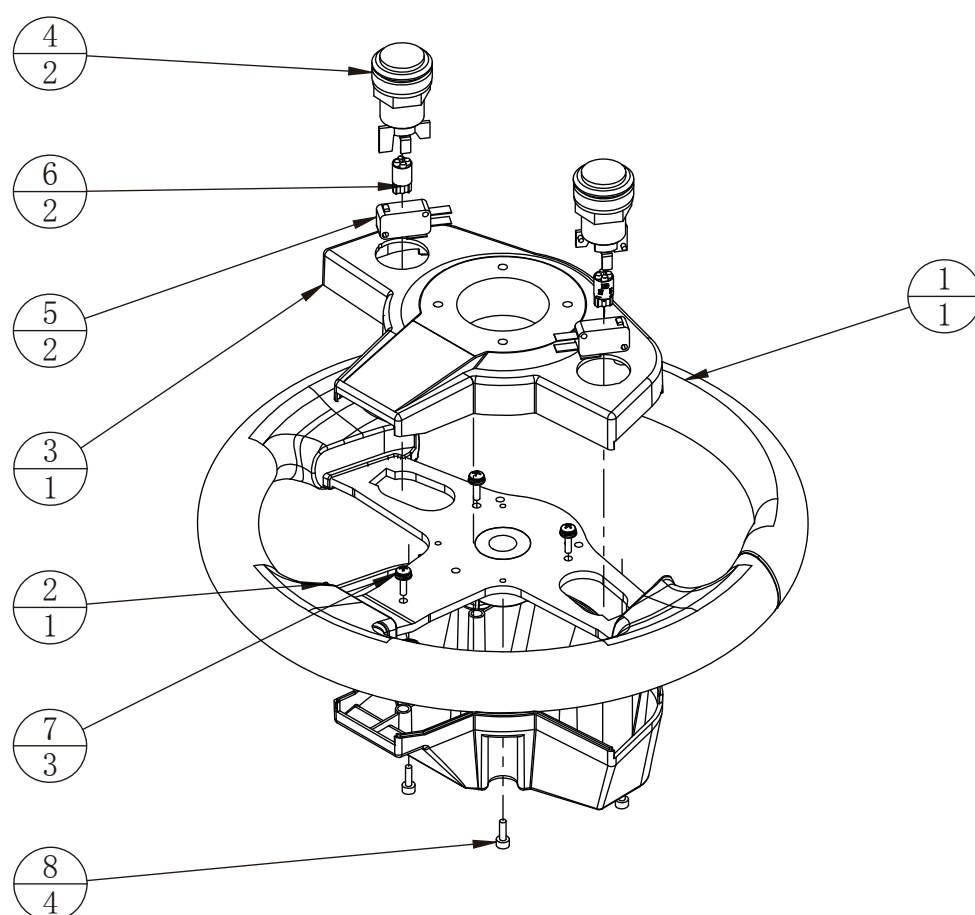
8		hex head cap screw	M4 (Colour)	2	
7		round push button	Sanwa Red SDP-103C-22RB	2	1.4.AJ500012#
6		counter	DC 12V	1	1.4.JS100020
5		volume vr components	VR-B10KΩ	1	1.4.VR160010
4		potentiometer knob	ø13mm	1	1.4.VR201310
3	A9-0111A01	Set panel	SPCC-1.2T	1	1.1.IG39C00290
2		electronic coin	TW-800III	1	1.4.TB100050
1	TYM-0000000	single coin door frame		1	2.1.AA030012
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.12 Console assembly (A9-0112000)



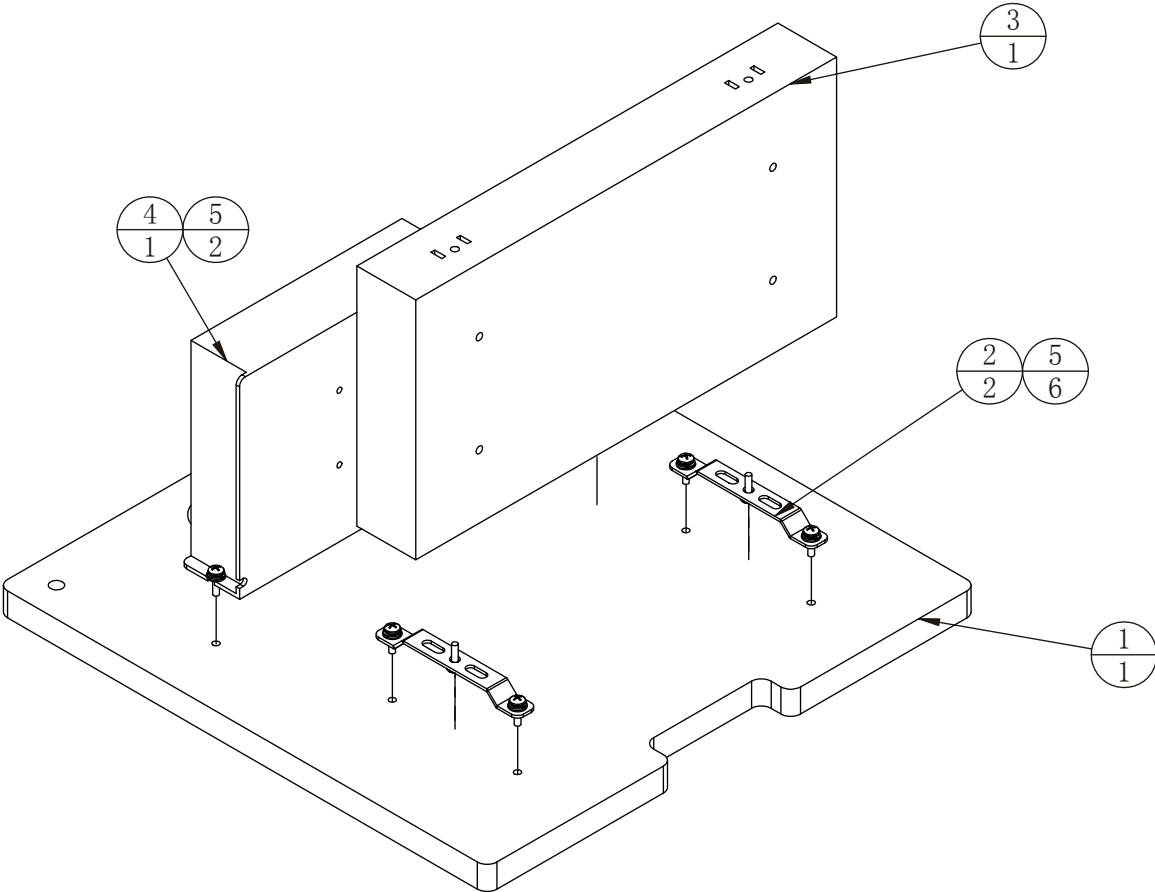
21		cross recessed fillister head three-combination screw	M4*8 (Black)	6	
20		cross the big flat head screw	M4*12 (Black)	4	
19		hexagon socket countersunk head screws	M4*12 (chrome)	12	
18		hex socket cap screws	M4*12 (chrome)	6	
17		hex head cap screw	M4 (Colour)	24	
16	A9DX-P0008	Control desk instrument decoration	PMMA-3.0T	1	1.7.IG39A00190
15	A9DX-0307A05	Tuyere network	SPCC-1.0T	1	1.1.IG39A00530
14	A9DX-0307A04	Control desk air outlet sheet metal	SPCC-1.2T	1	1.1.IG39A00520
13	A9-P0006	Acrylic force on top of console	PMMA-3.0T	1	1.7.IG39C00100
12		5050 strip light	DC12V white light 60 lamps L=50mm	2	1.4.ZM9E1062
11	A9DX-0307A06	Fixing frame for control lamp strip	SECC-1.2T	2	1.1.IG39A00540
10	A9-0112A01	Maintenance cover of console	SPCC-1.2T	1	1.1.IG39C00300
9	A9DX-P0005	Control panel left acrylic	PMMA-5.0T	1	1.7.IG39A00160
8	SD5-0110E01	Direction key cushion	EVA foam-3.0T	1	1.9.HM060370
7		(film) switch button	MCC-2492	1	1.4.AJN01022
6	A9DX-0307A01	Left console screen board		1	1.1.IG39A00490
5		Cabochon keypad with light (incl. lamp holder and SMD tri-colour LED)	BLC-BL-BK-H-CW-D	1	1.4.AJ350020
4	A9DX-P0006	Control panel right acrylic	PMMA-5.0T	1	1.7.IG39A00170
3		led lamp board for button	GK-514-011	1	1.4.IC901860
2	A9DX-0307A02	Right console screen board		1	1.1.IG39A00500
1	A9-0112C01	Plastic control desk	ABS(black)	1	1.8.IG39C00010
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.13 Steering wheel assembly (A9-0113000)



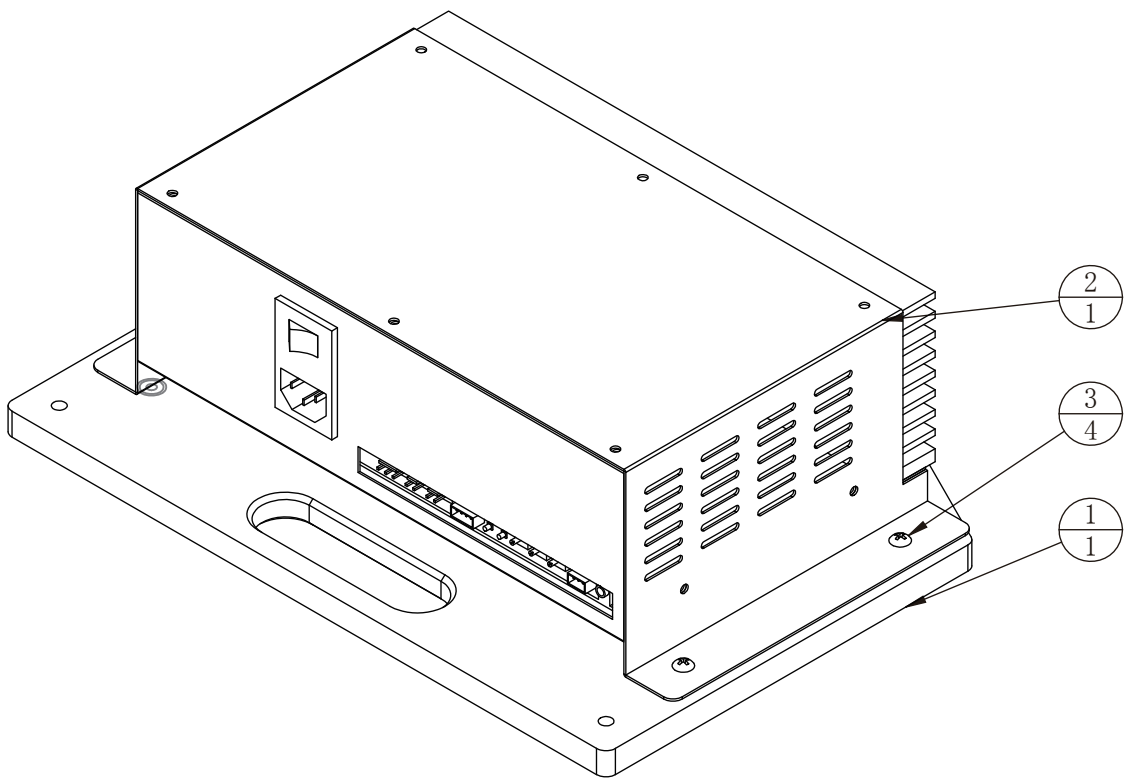
8		socket head cap screws	M4*12 (chrome)	4	
7		cross recessed fillister head three-combination screw	M4*12 (chrome)	3	
6		led lamp for button	12V white triple light (T103W-12V-SMD)	2	1.4.AJA01040
5		micro switch	D3V-01-1C3	2	1.4.SW103011
4		Round illuminated button (with lamp holder)	BLC-TN-A-ES-1CR-2CW-B15	2	1.4.AJ103016
3	SD3-11-00-03	steering wheel upper cover	ABS (Black) T=2.5	1	1.8.IG04A030
2	SD3-11-00-02	steering wheel lower cover	ABS (Black) T=2.5	1	1.8.IG04A020
1	SD4-1000A01	steering wheel		1	1.1.IG04C00370
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.14 Power supply assembly (A9-0114000)



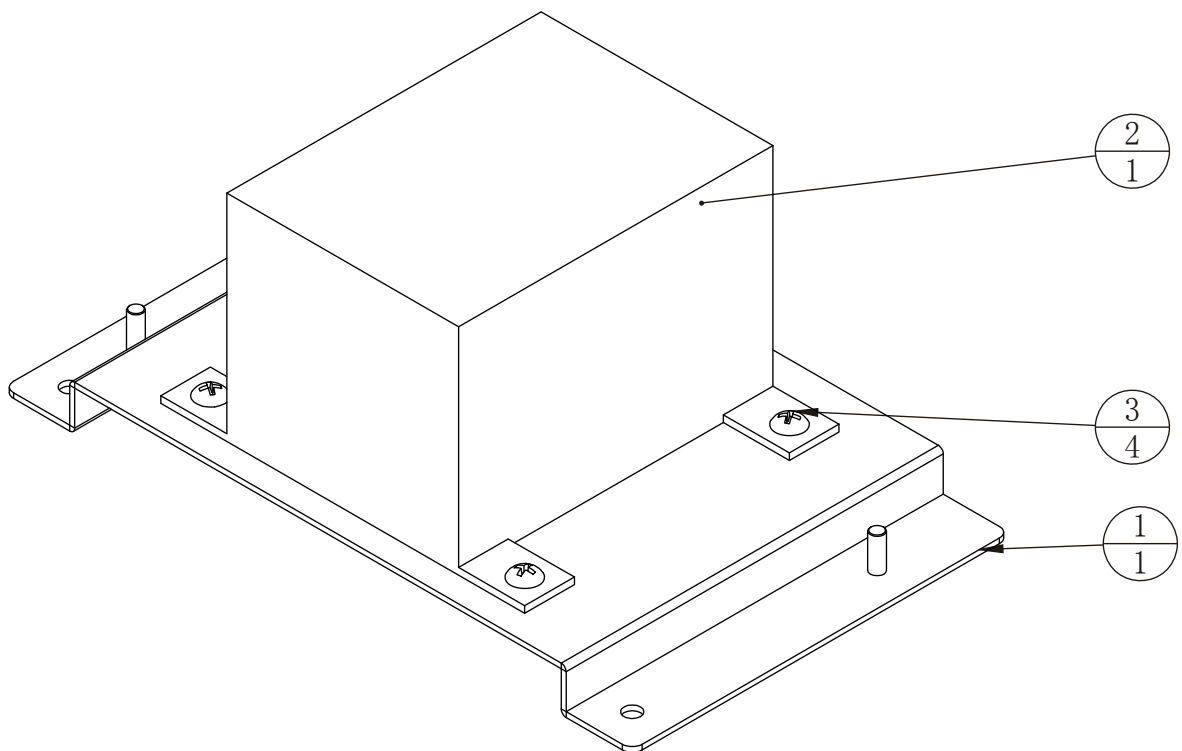
5		cross recessed fillister head three-combination screw	M3*8 (chrome)	8	
4		power supply	LRS-100-12	1	1.4.DY170120
3		power supply	LRS-200-12	1	1.4.DY170100
2	AST-0101A10	Long fixing plate at the bottom of power box	SECC-1.2T	2	1.1.AN17A00310
1	A9-0114B01	Power supply template	MDF-12.0T	1	1.2.IG39C00060
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.15 4.1 Power amplifier assembly (A9-0115000)



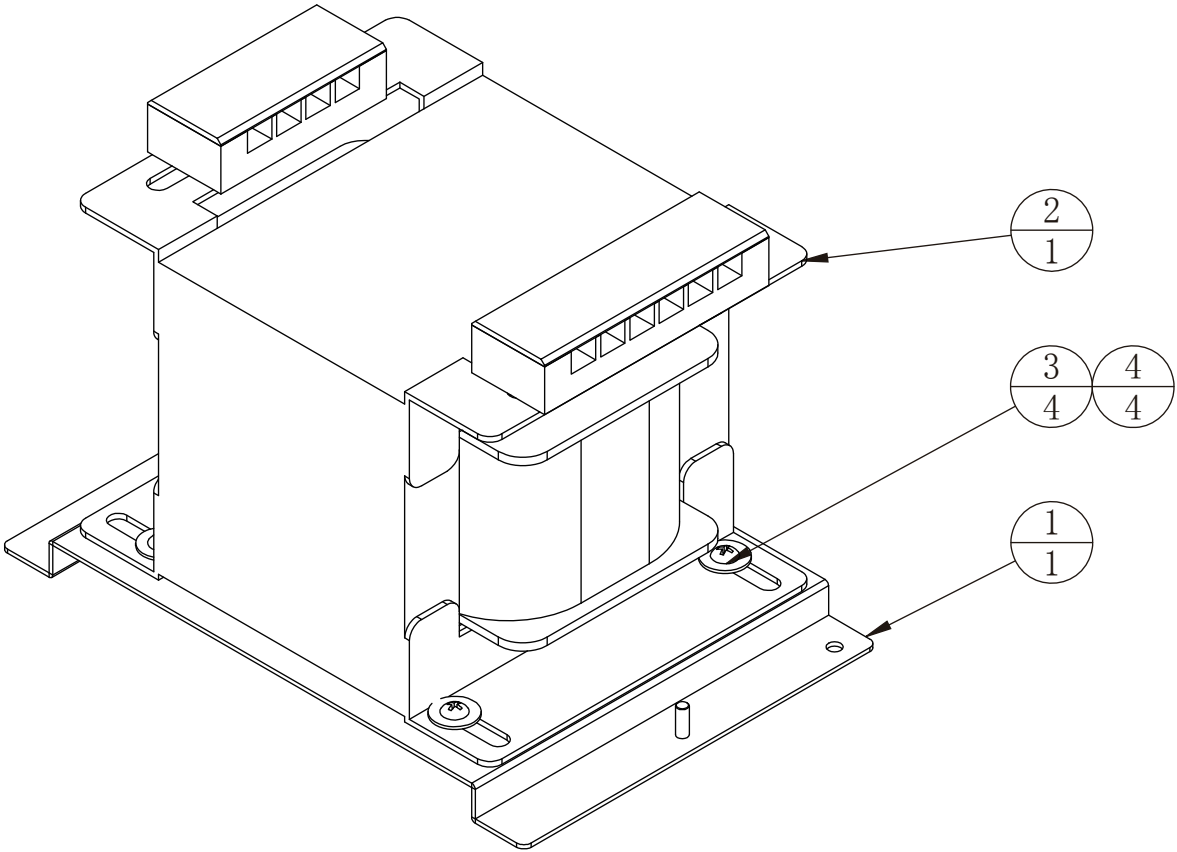
3		cross the big flat head screw	M4*12 (Black)	4	
2		4.1 amplifier	JK-OP-03	1	1.4.GF100022
1	A9-0115B01	4.1 power amplifier board	MDF-12.0T	1	1.2.IG39C00070
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.16 Transformer assembly (A9-0116000)



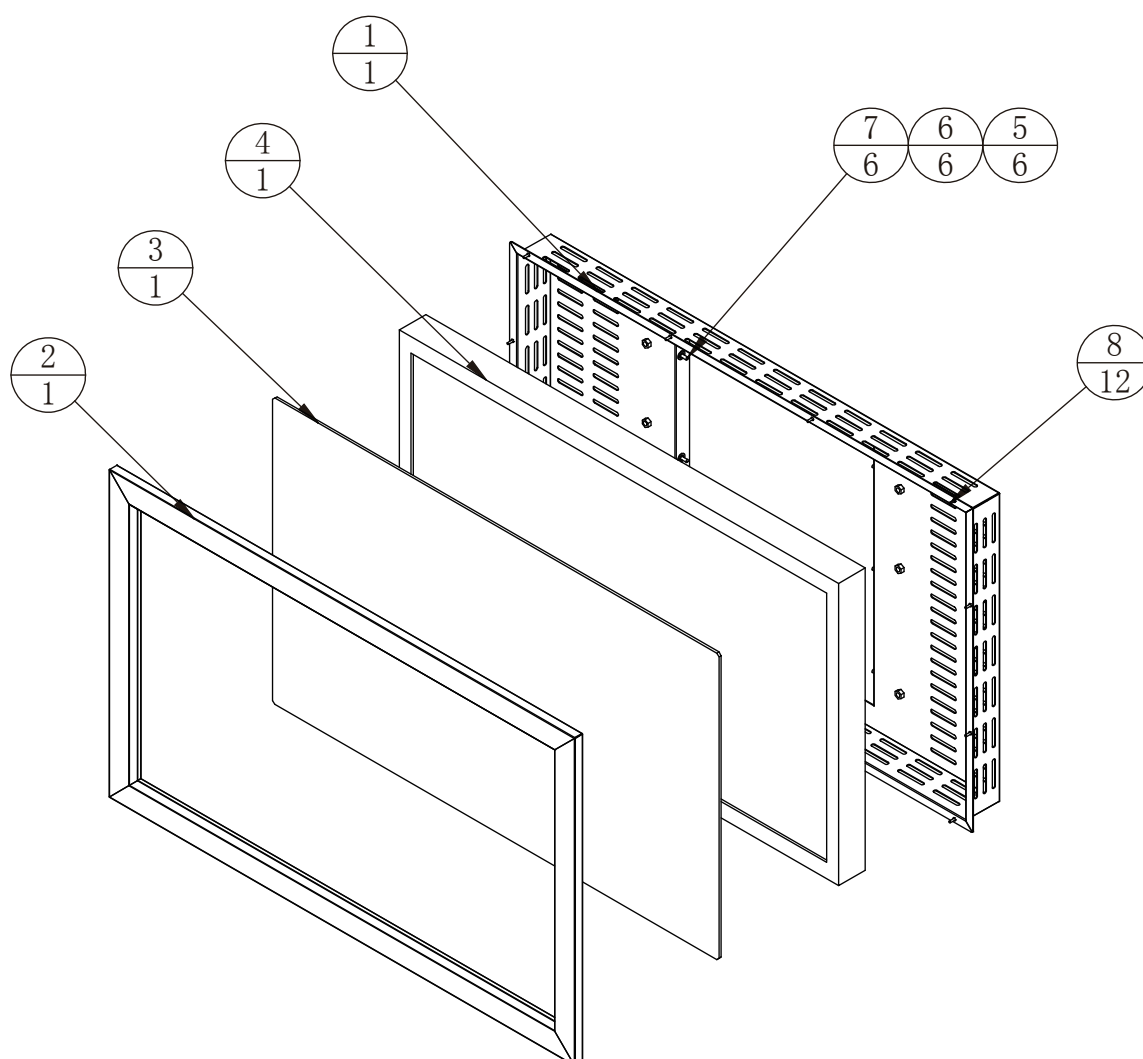
3		cross the big flat head screw	M4*12 (Black)	4	
2		transformer	220V/110V 70V-10V/3A	1	1.4.BY103030
1	A9-0116A01	Transformer installation sheet metal	SECC-1.5T	1	1.1.IG39C00310
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.3.17 Single-phase transformer assembly (A9-0117000)



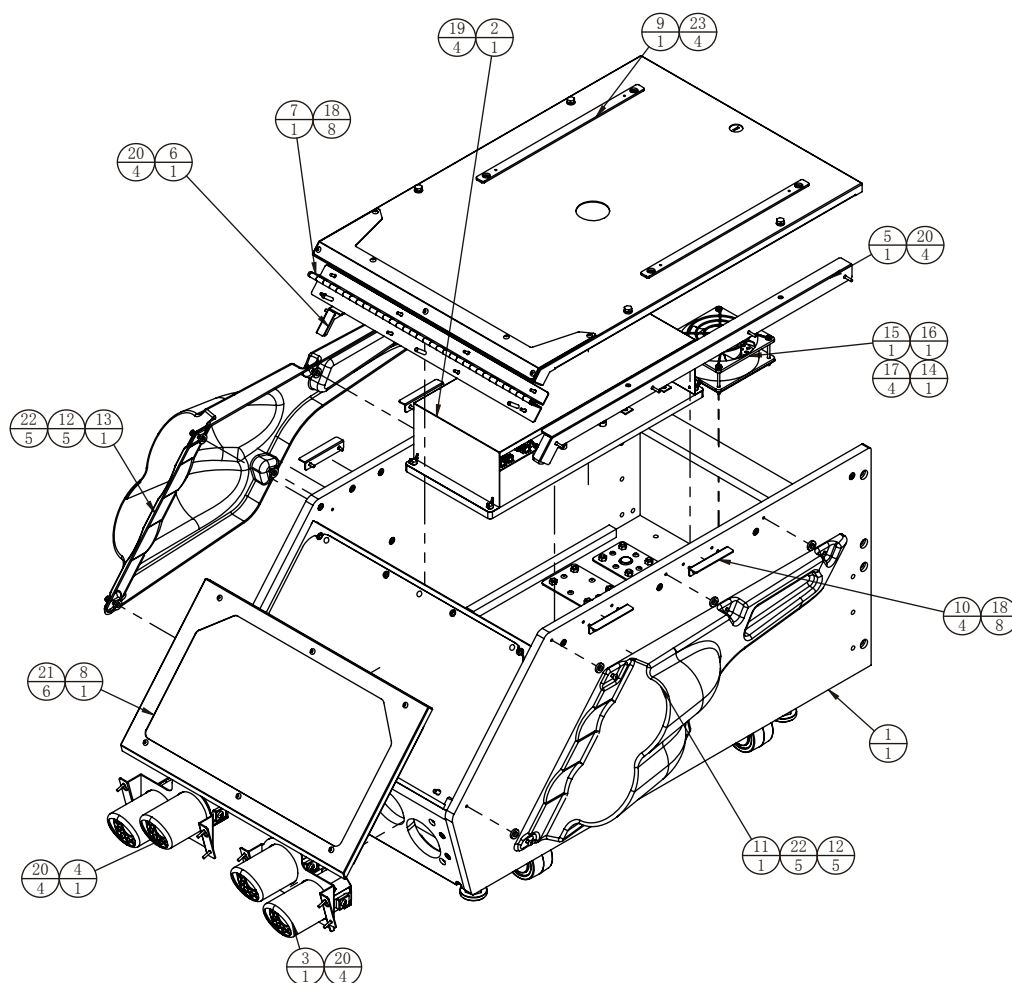
4		plain washers	$\Phi 4 \times \Phi 16 \times 1.0$ (Black)	4	
3		cross the big flat head screw	M4*16 (Black)	4	
2		Single-phase control transformer	EI-133*100(H50 0.5MM)	1	1.4.BY305040
1	A9-0117A01	Single-phase transformer installation sheet metal	SECC-1.5T	1	1.1.IG39C00320
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.4 Screen frame assembly (A9-0200000)



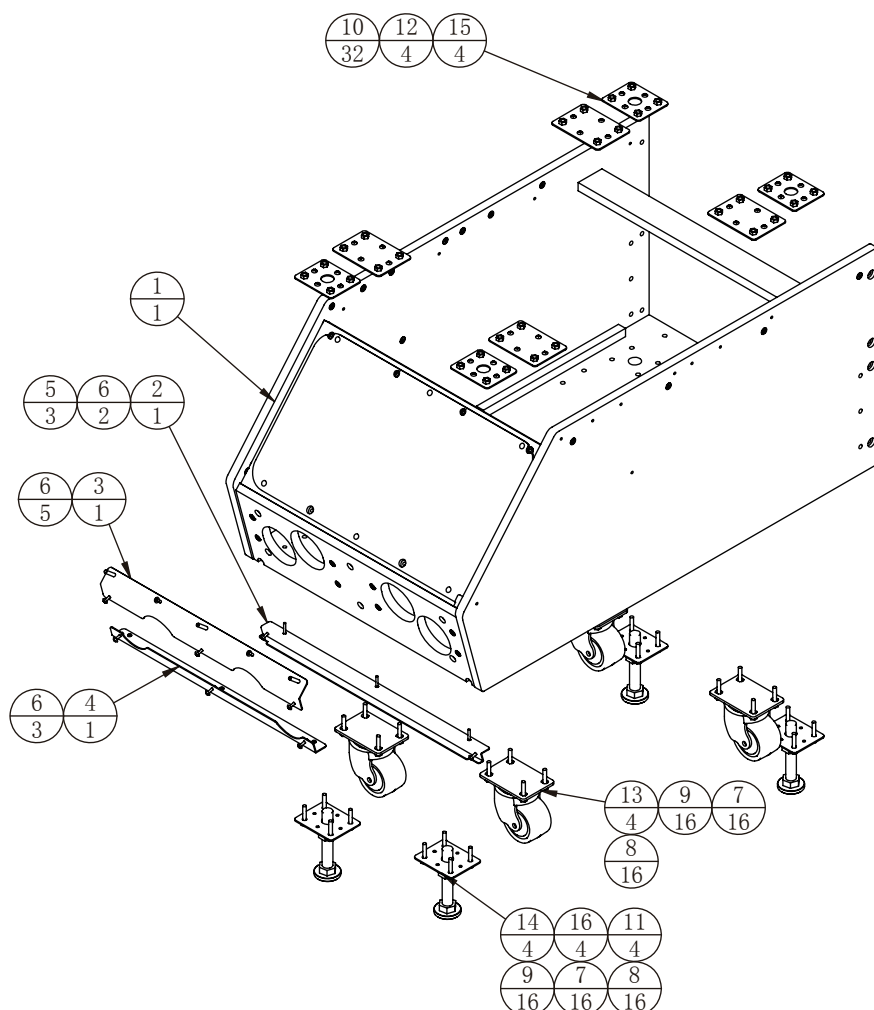
8		hex socket cap screws	M4*12 (Black)	12	
7		Hexagon triple combination	6*20*12*1.2(Black)	6	
6		Nylon Wah	WS7-1	6	1.4.DC102210
5		Transistor gasket	TW-109	6	1.4.DC102220
4		Liquid crystal display	43"	1	1.4.XS405820
3	A9-0200C01	screen glass	Glass-5.0T	1	1.8.IG39C00020
2	A9-0200A02	Upper cover of screen frame		1	1.1.IG39C00340
1	A9-0200A01	Screen frame seat	SPCC-1.5T	1	1.1.IG39C00330
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.5 Seat assembly (A9-0300000)



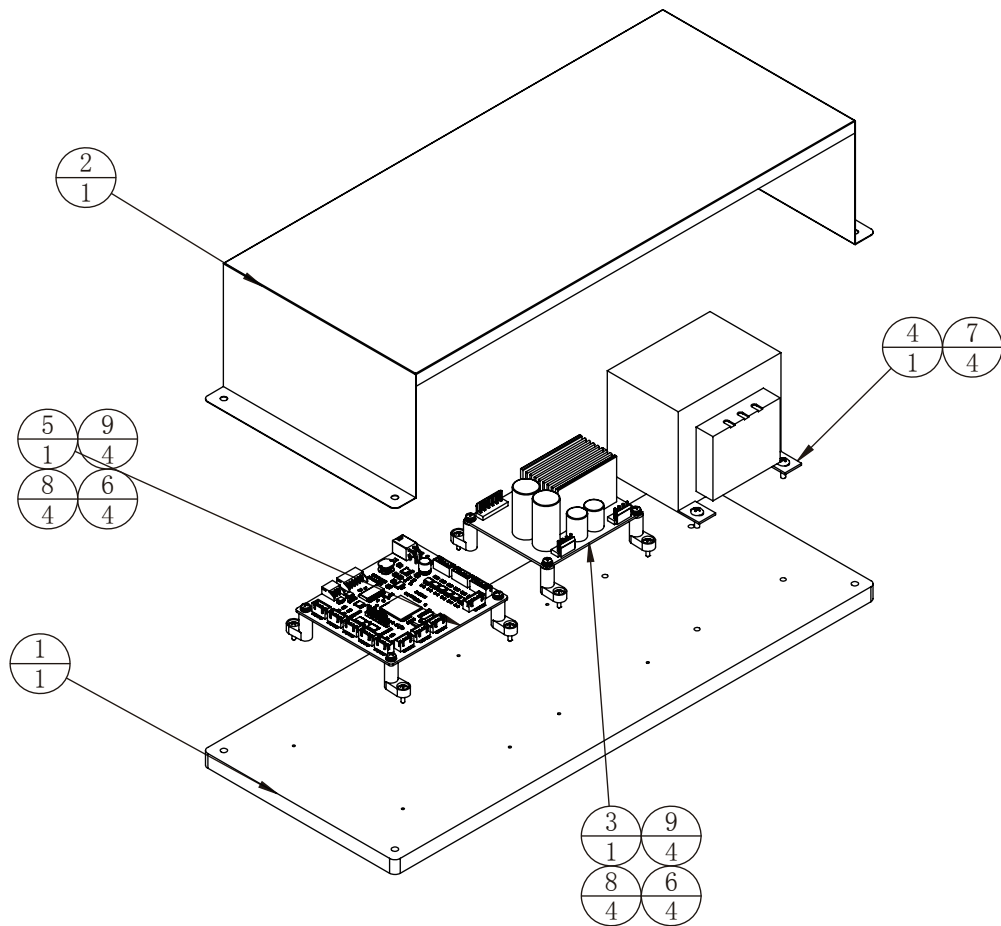
23		Hexagon triple combination	6*25*12*1.2(Black)	4	
22		hex socket cap screws	M4*16 (chrome)	10	
21		hex socket cap screws	M4*20 (chrome)	6	
20		cross the big flat head screw	M4*16 (Black)	16	
19		butterfly screws	M4*20 (chrome)	4	
18		cross the big flat head screw	M4*12 (Black)	16	
17		cross recessed cheese head screws	M4*50 (chrome)	4	
16		fan cover	120*120	1	1.4.FS300020
15		fan with bearing	120*120/AC110V	1	1.4.FS200042
14	A9-0300A05	Fan cover	Stencil-1.0T	1	1.1.IG39C00390
13	A9-0300C02	Exhaust pipe cover 2	ABS	1	1.8.IG39C00040
12	A9-0300D01	Gasket	PMMA-3.0T	10	1.7.IG39C00010
11	A9-0300C01	Exhaust pipe cover 1	ABS	1	1.8.IG39C00030
10	A9-0300A04	Outer cover support plate	SPCC-1.5T	4	1.1.IG39C00380
9	A9-0306000	Seat maintenance cover assembly		1	
8	A9-0305000	Acrylic assembly for decoration of seat		1	
7	A9-0300A01	Seat base hinge		1	1.1.IG39C00350
6	A9-0300A03	Seat cover support sheet metal 2	SPCC-1.5T	1	1.1.IG39C00370
5	A9-0300A02	Seat cover support sheet metal 1	SPCC-1.5T	1	1.1.IG39C00360
4	A9-0304000	Exhaust pipe assembly 2		1	
3	A9-0303000	Exhaust pipe assembly 1		1	
2	A9-0302000	Electronic element assembly		1	
1	A9-0301000	Seat wooden components		1	1.2.IG39C00080
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.5.1 Seat wooden box assembly (A9-0301000)



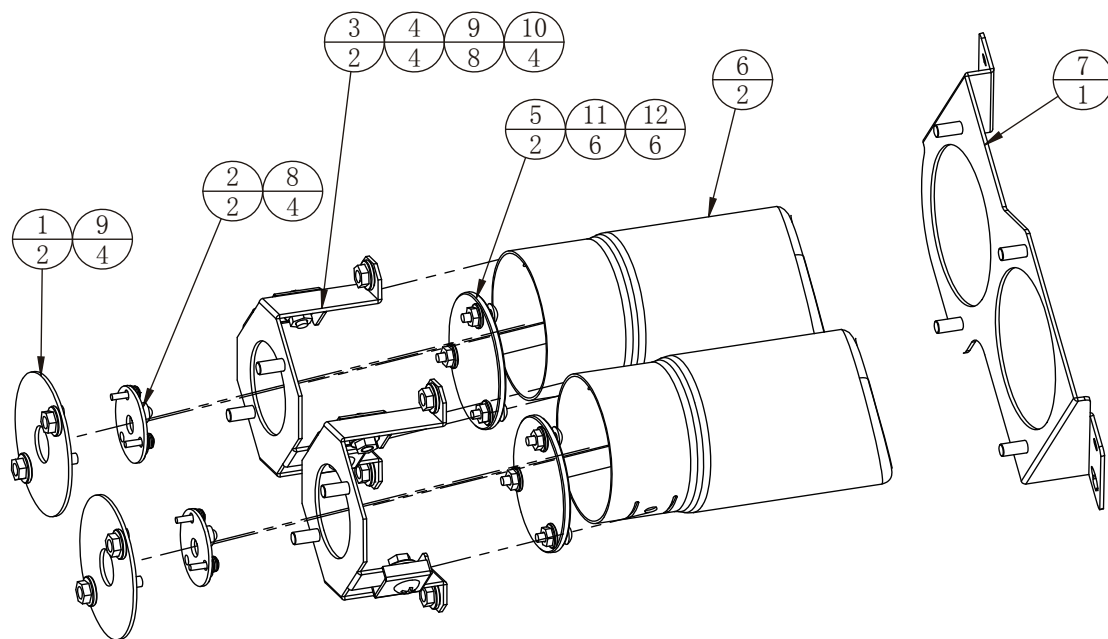
16		anchor bolt	M16*Y100 (Colour)	4	
15	WAH-0000A04	2.5 "light movable caster fixed iron/Anchor screw fixing iron 2	SPCC-2.0T	4	1.1.AA09000050
14	WAH-0000A06	Anchor screw fixing iron	SPCC-2.0T	4	1.1.AA09000010
13		Movable caster	2.5 inch low center of gravity type	4	1.4.JL302520
12	WAH-0000A05	2.5 inch heavy movable caster fixing iron	SPCC-2.0T	4	1.1.AA09000060
11		hexagon nut	M16 (Colour)	4	
10		cross the big flat head self-drilling screw	M4*12 (Black)	32	
9		external hex socket screw	M6*30 (Black)	32	
8		plain washers	φ6*φ12*2.0 (Black)	32	
7		spring washer	M6 (Black)	32	
6		cross the big flat head screw	M4*16 (Black)	10	
5		cross the big flat head screw	M4*20 (Black)	3	
4	A9-0301A03	Seat base wooden box reinforced with sheet metal 2	SPCC-1.5T	1	
3	A9-0301A02	Seat base wooden box reinforced with sheet metal 1	SPCC-1.5T	1	
2	A9-0301A01	Seat base wooden box reinforced with sheet metal 3	SPCC-1.5T	1	
1	A9-0301B01	Seat crates		1	
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.5.2 Electronic element assembly (A9-0302000)



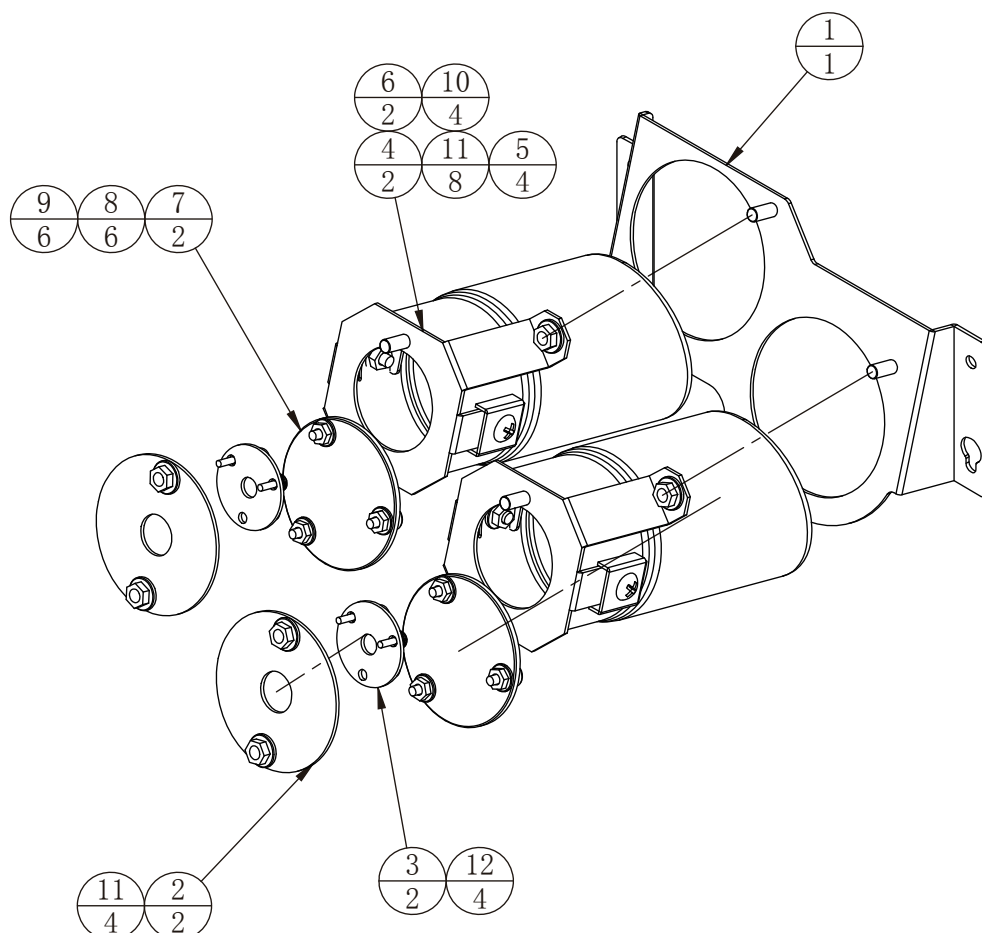
9		cross the big flat head self-drilling screw	M3*12 (chrome)	8	
8		cross recessed fillister head three-combination screw	M3*8 (chrome)	8	
7		cross the big flat head screw	M4*12 (Black)	4	
6		I-holder	M3mm	8	1.9.LX103010
5		lamp control board	MU-#0(RoHS)	1	1.3.IG39A00040#
4		transformer	200W AC220/110V 16V-0V-16V	1	1.4.BY202050
3		Digital version of vibration power amplifier	JK-OP-08	1	1.4.IC901801
2	A9-0302D01	Circuit board protective cover	PVC-0.5T	1	1.7.IG39C00020
1	A9-0302B01	Vibration horn transformer board	MDF-12.0T	1	1.2.IG39C00090
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.5.3 Exhaust pipe assembly 1 (A9-0303000)



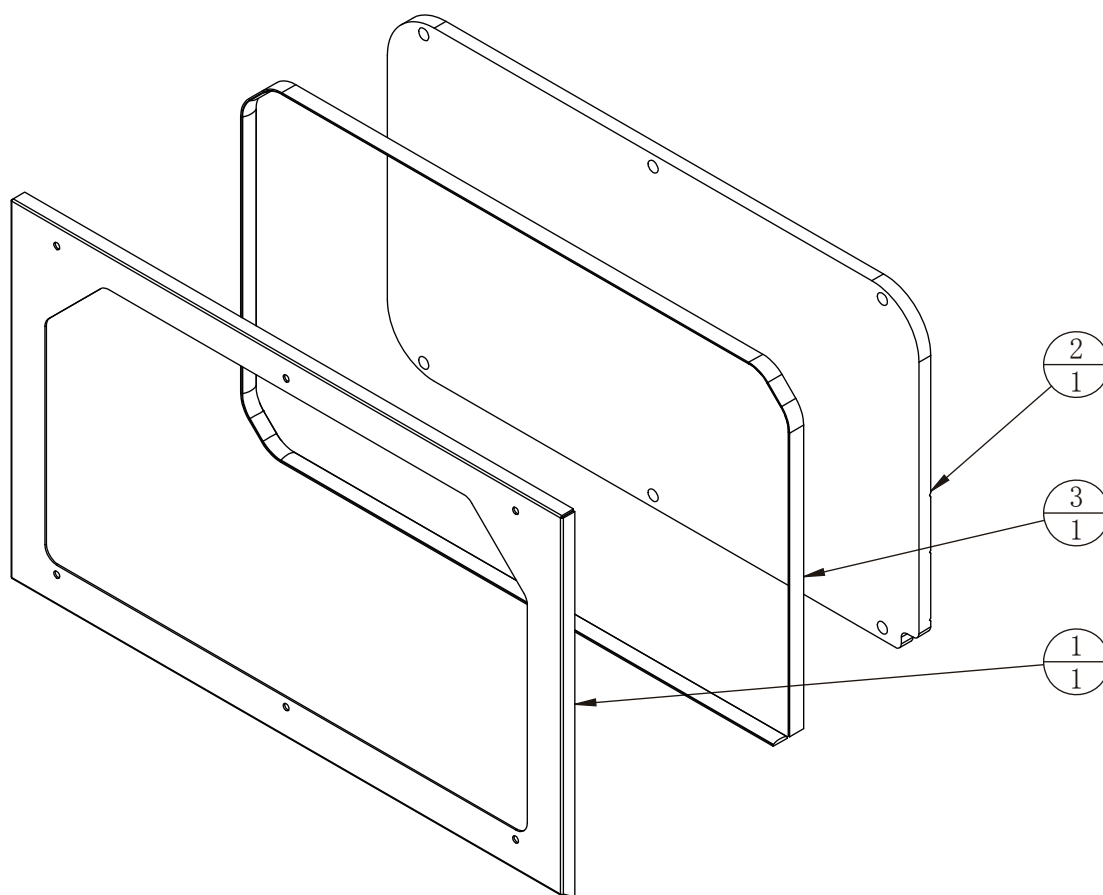
12		hex socket cap screws	M4*12 (chrome)	6	
11		hex head cap screw	M4 (Colour)	6	
10		cross the big flat head screw	M5*12 (chrome)	4	
9		hex head cap screw	M5 (Colour)	12	
8		cross recessed fillister head three-combination screw	M3*8 (chrome)	4	
7	A9-0303A01	Exhaust pipe mounting base 1	SECC-1.5T	1	1.1.IG39C00400
6		exhaust pipe		2	1.4.JG09C010
5	HXK-0204D01	exhaust pipe decorative acryl	Misty White PMMA-3.0T	2	1.7.IG19A00050
4	A9-0303A04	Exhaust pipe limit sheet metal	SECC-1.2T	4	1.1.IG39C00430
3	A9-0303A02	Exhaust pipe mounting seat 1	SECC-1.5T	2	1.1.IG39C00410
2		3X1W (LED lamp)	DC12V blue	2	1.4.ZM9G0010
1	A9-0303A03	LED mounting board	SECC-1.5T	2	1.1.IG39C00420
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.5.4 Exhaust pipe assembly 2 (A9-0304000)



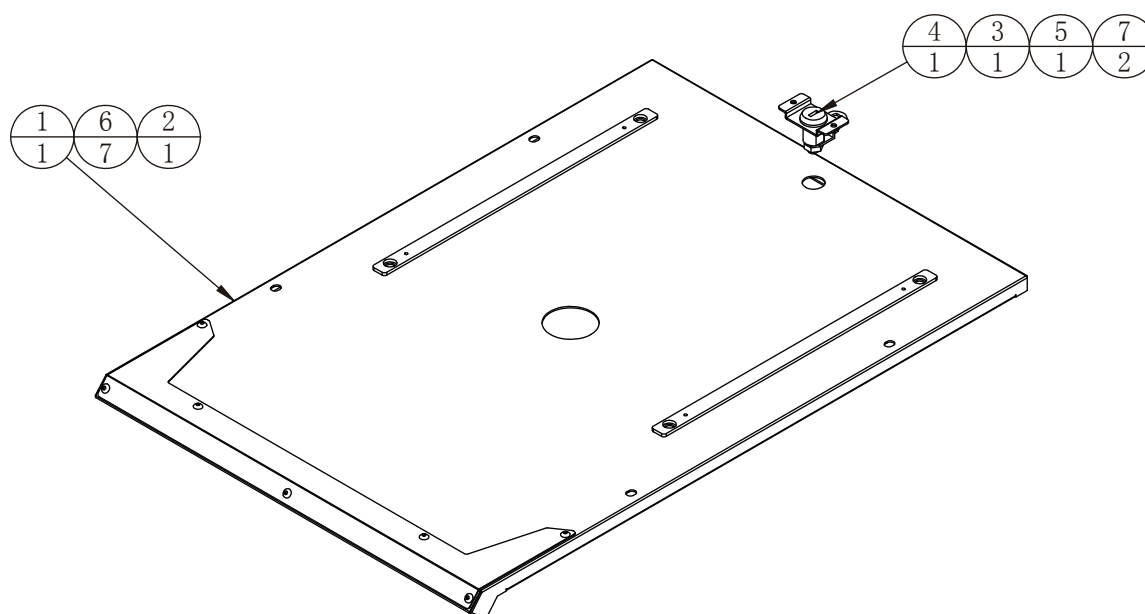
12		cross recessed fillister head three-combination screw	M3*8 (chrome)	4	
11		hex head cap screw	M5 (Colour)	12	
10		cross the big flat head screw	M5*12 (chrome)	4	
9		hex socket cap screws	M4*12 (chrome)	6	
8		hex head cap screw	M4 (Colour)	6	
7	HXK-0204D01	exhaust pipe decorative acryl	Misty White PMMA-3.0T	2	1.7.IG19A00050
6		exhaust pipe		2	1.4.JG09C010
5	A9-0303A04	Exhaust pipe limit sheet metal	SECC-1.2T	4	1.1.IG39C00430
4	A9-0304A02	Exhaust pipe mounting seat 2	SECC-1.5T	2	1.1.IG39C00450
3		round pcb with led	DC12V blue	2	1.4.ZM9G0010
2	A9-0303A03	LED mounting board	SECC-1.5T	2	1.1.IG39C00420
1	A9-0304A01	Exhaust pipe mounting base 2	SECC-1.5T	1	1.1.IG39C00440
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.5.5 Acrylic assembly for decoration of seat (A9-0305000)



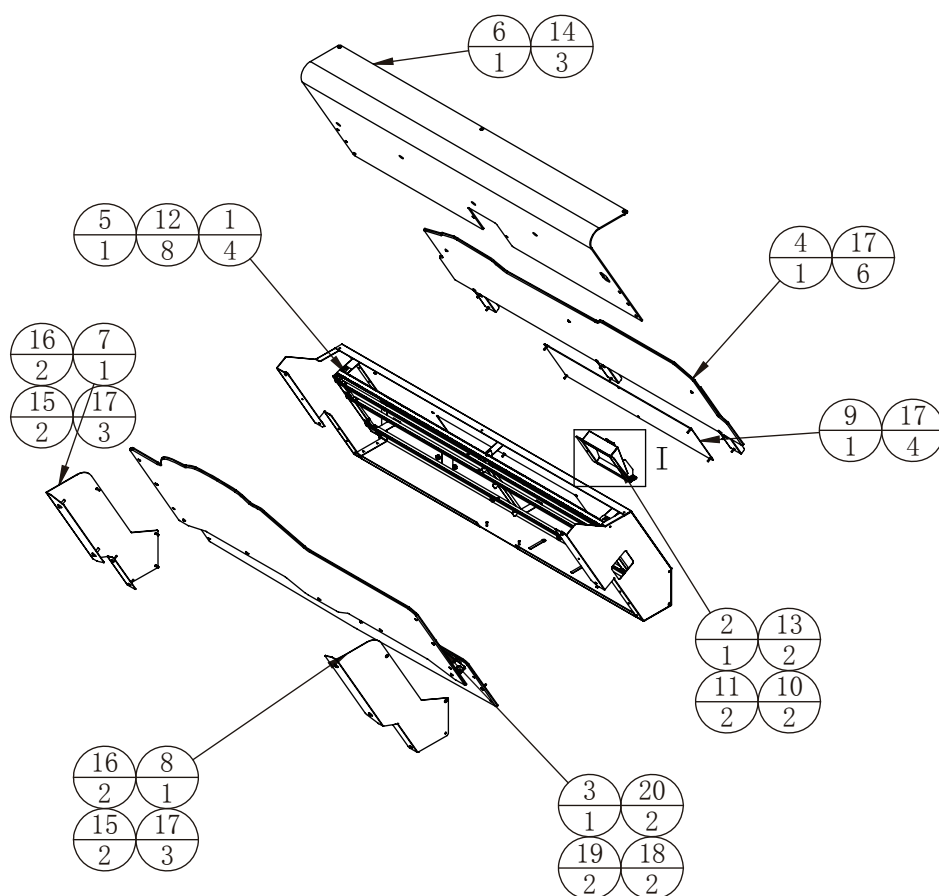
3		5050 Flexible Strip Light (LPD6803 Chip)	DC12V RGB30 lamp L=1400mm	1	1.4.ZM9E0531
2	A9-P0007	Seat decoration acrylic	PMMA-10.0T	1	1.7.IG39C00110
1	A9-0305A01	Seat light strip cover		1	1.1.IG39C00460
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.5.6 Seat maintenance cover assembly (A9-0306000)



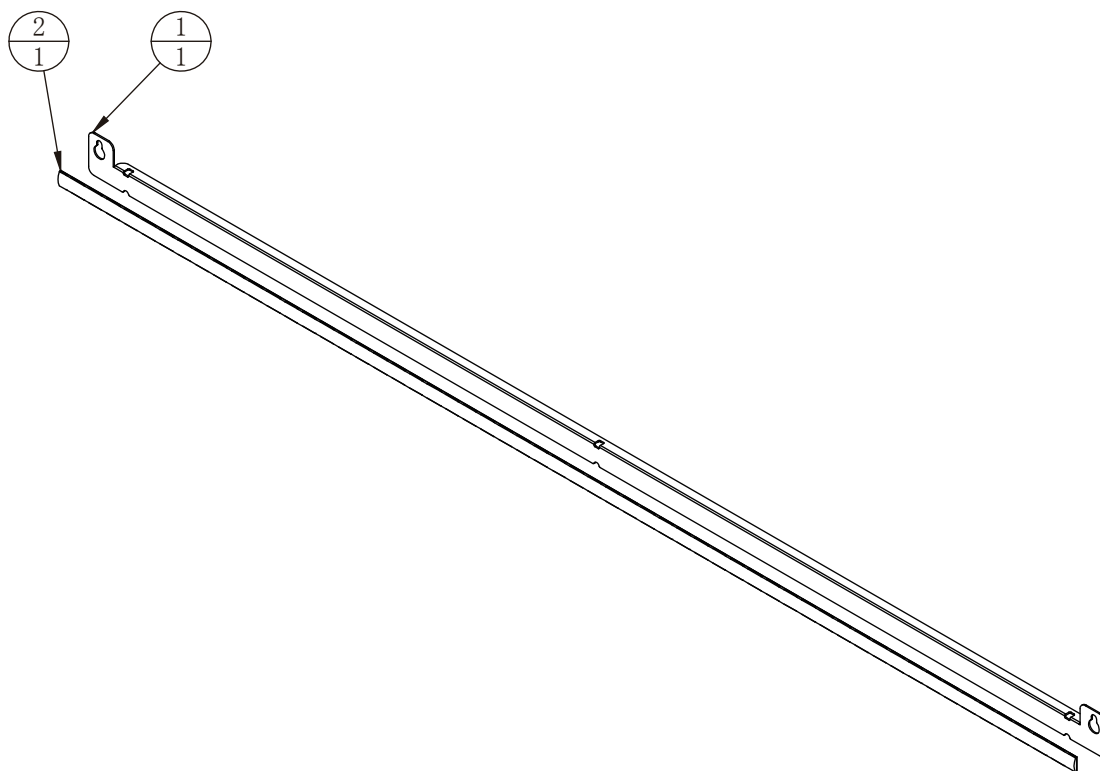
7		hex head cap screw	M4 (Colour)	2	
6		hex socket cap screws	M4*12 (chrome)	7	
5		locking plate	Ninety degree locking piece	1	1.4.SJ120016
4		Lingzhi door lock (21.5mm)	1810S	1	1.4.SJ120011
3	A9-0306A03	Lock cylinder mounting plate	SPCC-1.5T	1	1.1.IG39C00490
2	A9-0306A02	Seat service cover trim panel	Mirror SUS304-1.0T	1	1.1.IG39C00480
1	A9-0306A01	Seat maintenance cover		1	1.1.IG39C00470
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.6 Light box assembly (A9-0400000)



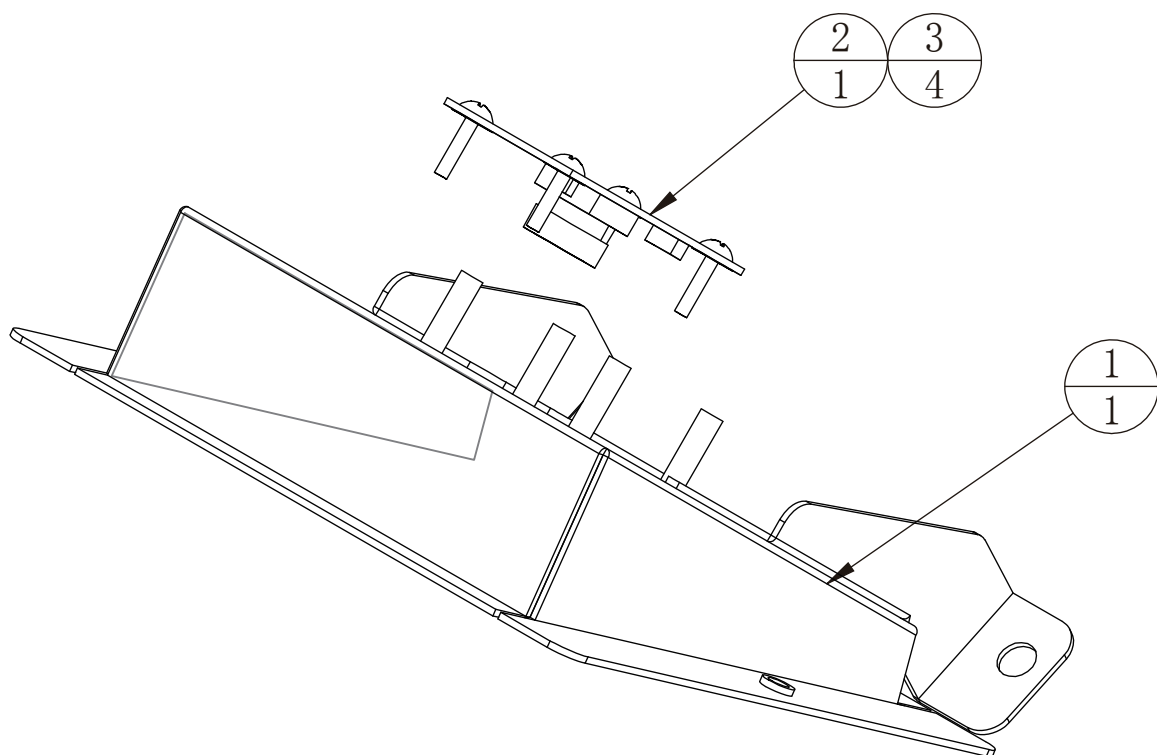
20		cross recessed countersunk head screws	M4*12 (chrome)	2	
19		cross recessed countersunk head screws	M4*16 (chrome)	2	
18		hex socket cap screws	M4*16 (chrome)	2	
17		hex socket cap screws	M4*12 (Black)	18	
16		hex socket cap screws	M6*20 (Black)	4	
15		hex socket cap screws	M4*16 (Black)	4	
14		hex socket cap screws	M4*12 (chrome)	3	
13		hex head cap screw	M4 (Colour)	2	
12		cross the big flat head screw	M4*12 (Black)	8	
11		Nylon Wah	WS7-1	2	1.4.DC102210
10		Transistor gasket	TW-102	2	1.4.DC102230
9	A9-0400A02	signboard lamp box door for repair	SPCC-1.2T	1	1.1.IG39C00510
8	A9-0400A04	Lamp box pressing plate 2	SUS304-1.0T(Mirror)	1	1.1.IG39C00530
7	A9-0400A03	Lamp box pressing plate 1	SUS304-1.0T(Mirror)	1	1.1.IG39C00520
6	A9-0400D01	signboard lamp box acryl	Winter melon white PMMA-3.0T	1	1.7.IG39C00030
5	A9-0400A01	light box frame		1	1.1.IG39C00500
4	A9-0404000	Acrylic assembly for decoration of light box		1	
3	A9-0403000	Acrylic assembly for model of light box		1	
2	A9-0402000	Camera assembly		1	
1	A9-0401000	Light box & light bar assembly		4	
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.6.1 Light box & light bar assembly (A9-0401000)



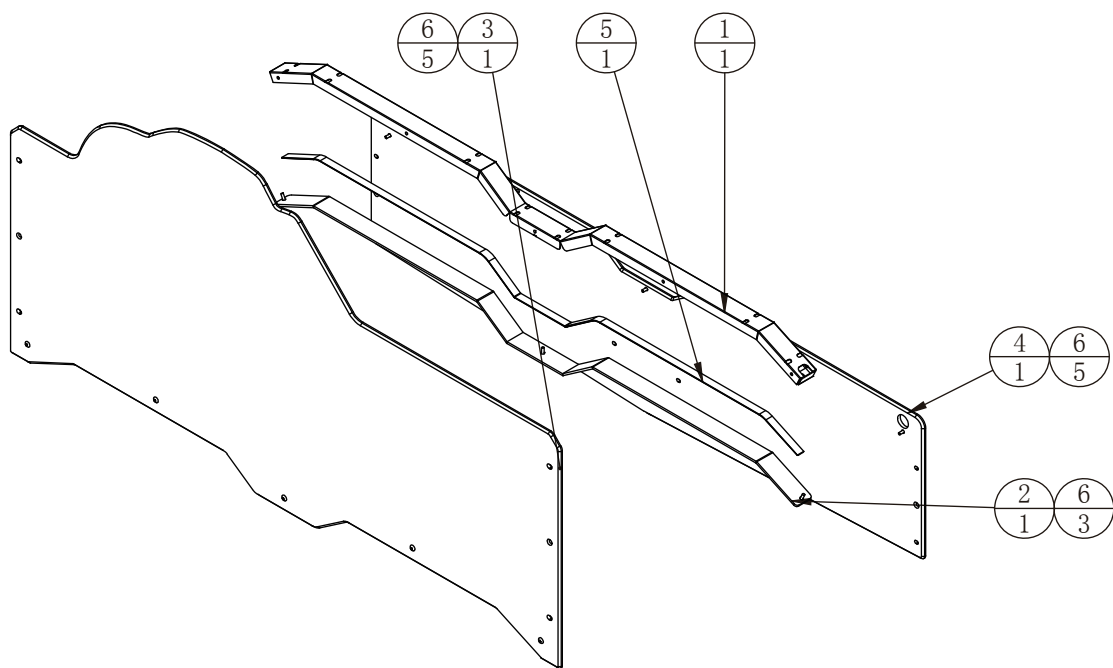
2		5050 strip light	DC12V white light 60 lamps L=950mm	1	1.4.ZM9E0025
1	A9-0401A01	Light box strip sheet metal	SPCC-1.0T	1	1.1.IG39C00540
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.6.2 Camera assembly (A9-0402000)



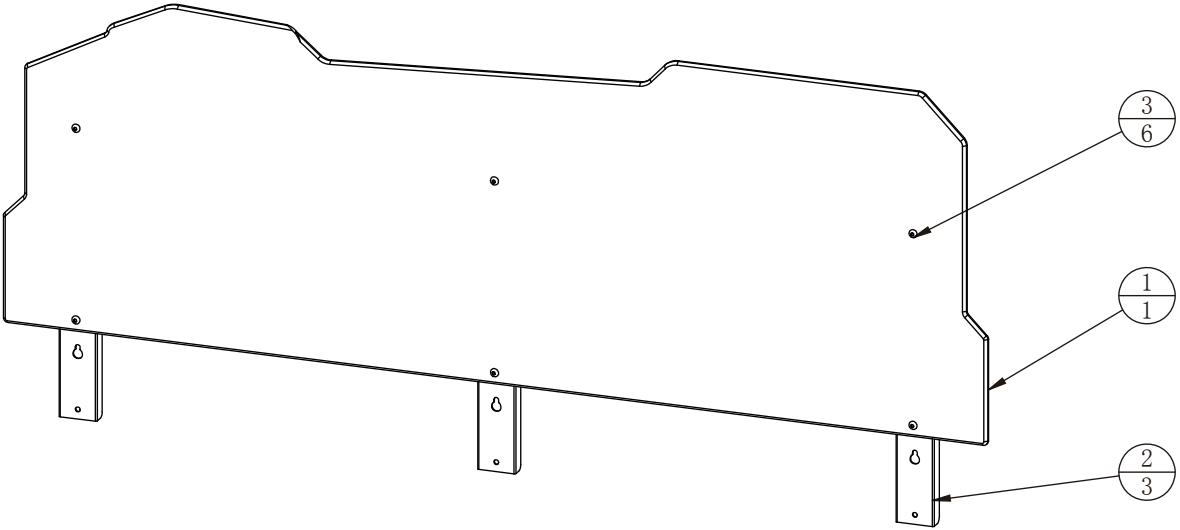
3		cross the big flat head screw	M3*12 (Black)	4	
2		camera	NITECH,USB2.0 High Speed,Male cable length 250cm,2.0M PC Camer,Resolution:1920*1080,F W:Rev 0200	1	1.3.IG39A00050#
1	A9-0402A01	Lens holder		1	1.1.IG39C00550
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.6.3 Acrylic assembly for model of light box (A9-0403000)



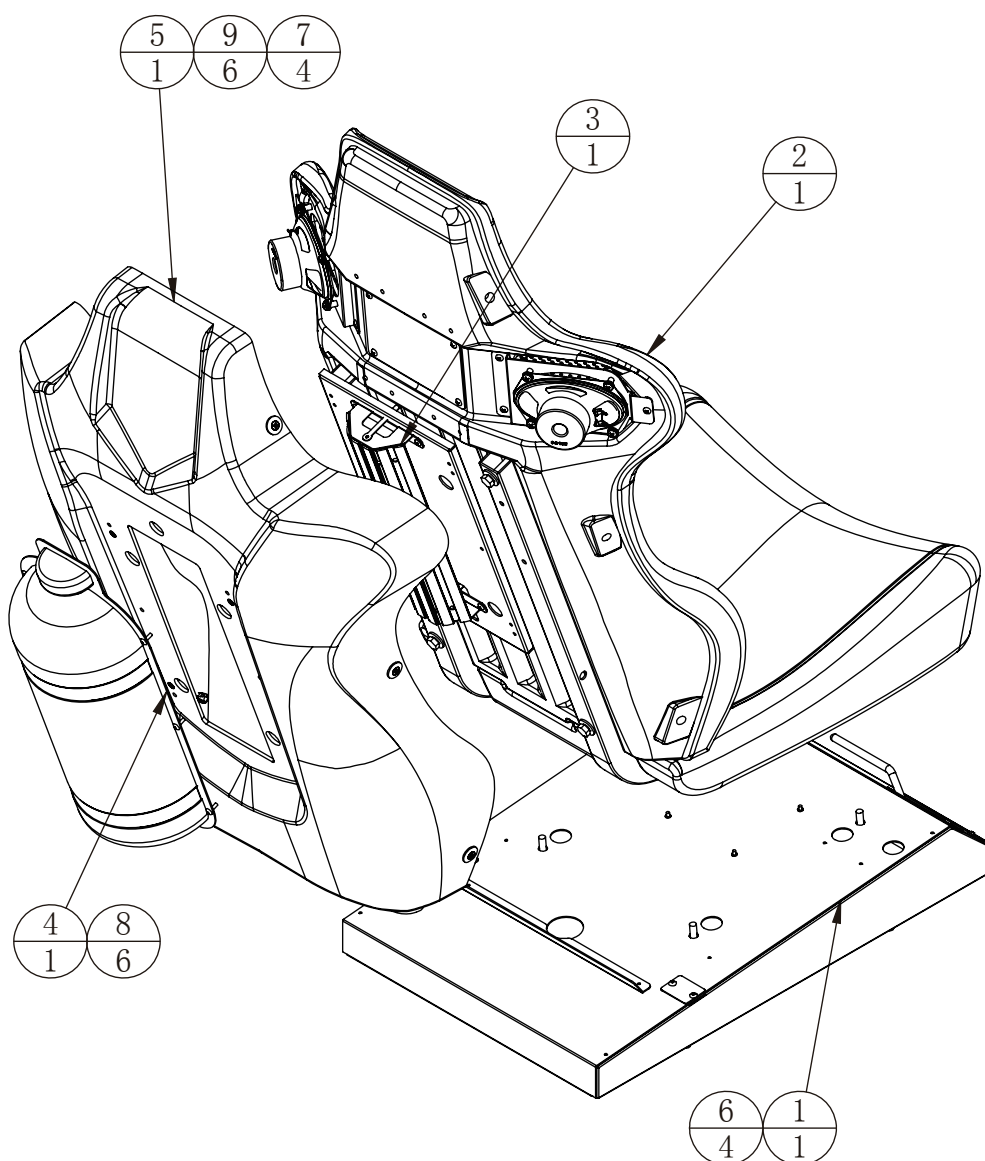
6		hex socket cap screws	M4*12 (chrome)	13	
5		5050 Flexible Strip Light (LPD6803 Chip)	DC12V RGB30 lamp L=1000mm	1	1.4.ZM9E0533
4	A9-P0003	Dengxiang garage acrylic	PMMA-5.0T	1	1.7.IG39C00070
3	A9-P0001	Several kinds of acrylic light boxes	PMMA-5.0T	1	1.7.IG39C00050
2	A9-0403D02	Light box light bar class acrylic	PMMA-3.0T	1	1.7.IG39C00040
1	A9-0403A01	Layered sheet metal of light box and light bar		1	1.1.IG39C00560
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.6.4 Acrylic assembly for decoration of light box (A9-0404000)



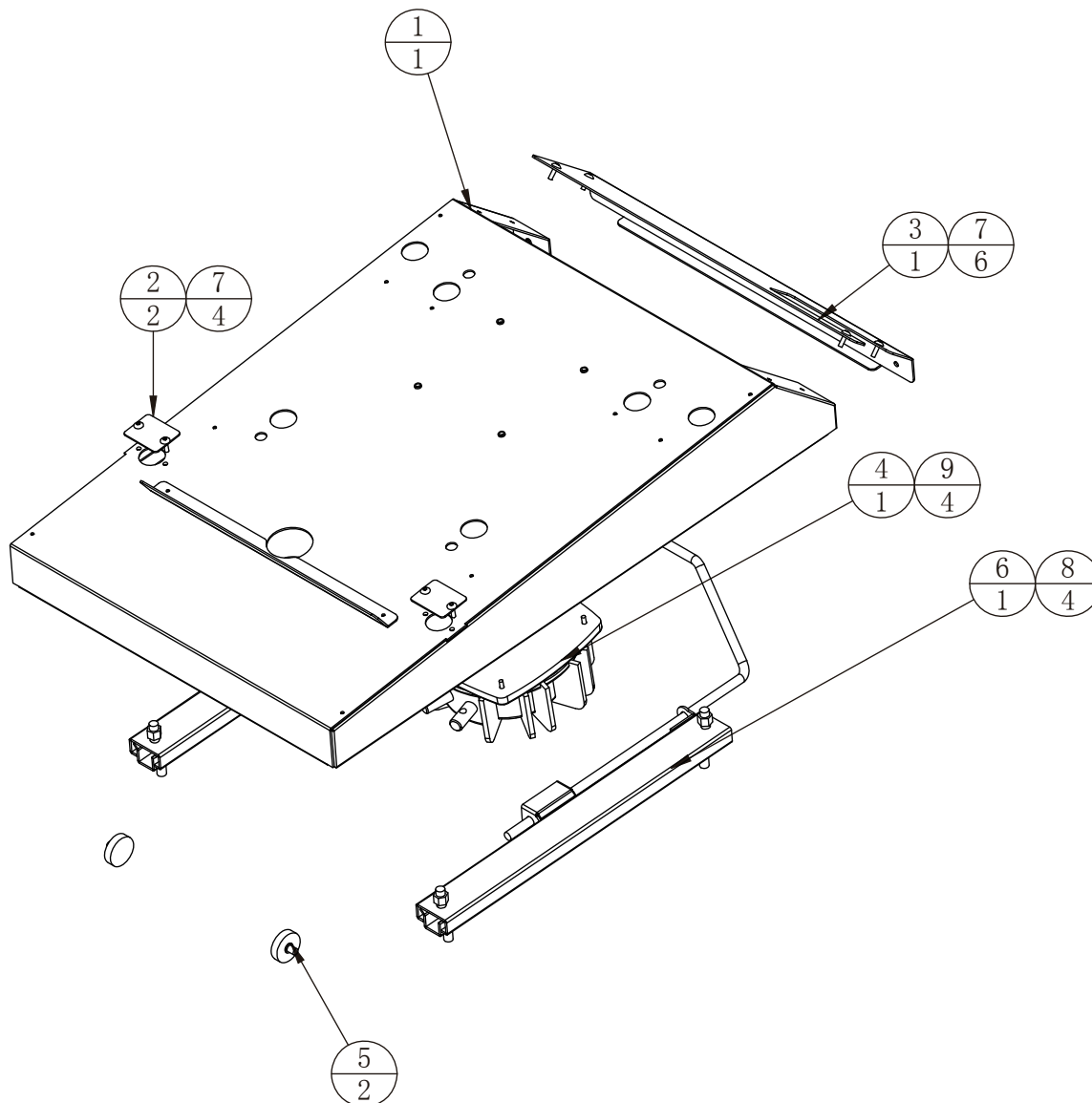
3		hex socket cap screws	M4*12 (chrome)	6	
2	A9-0404A01	Acrylic decorative support plate for light box	SPCC-1.5T	3	1.1.IG39C00570
1	A9-P0002	Light box decoration acrylic	PMMA-5.0T	1	1.7.IG39C00060
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.7 Seat slide-rail set (A9-0500000)



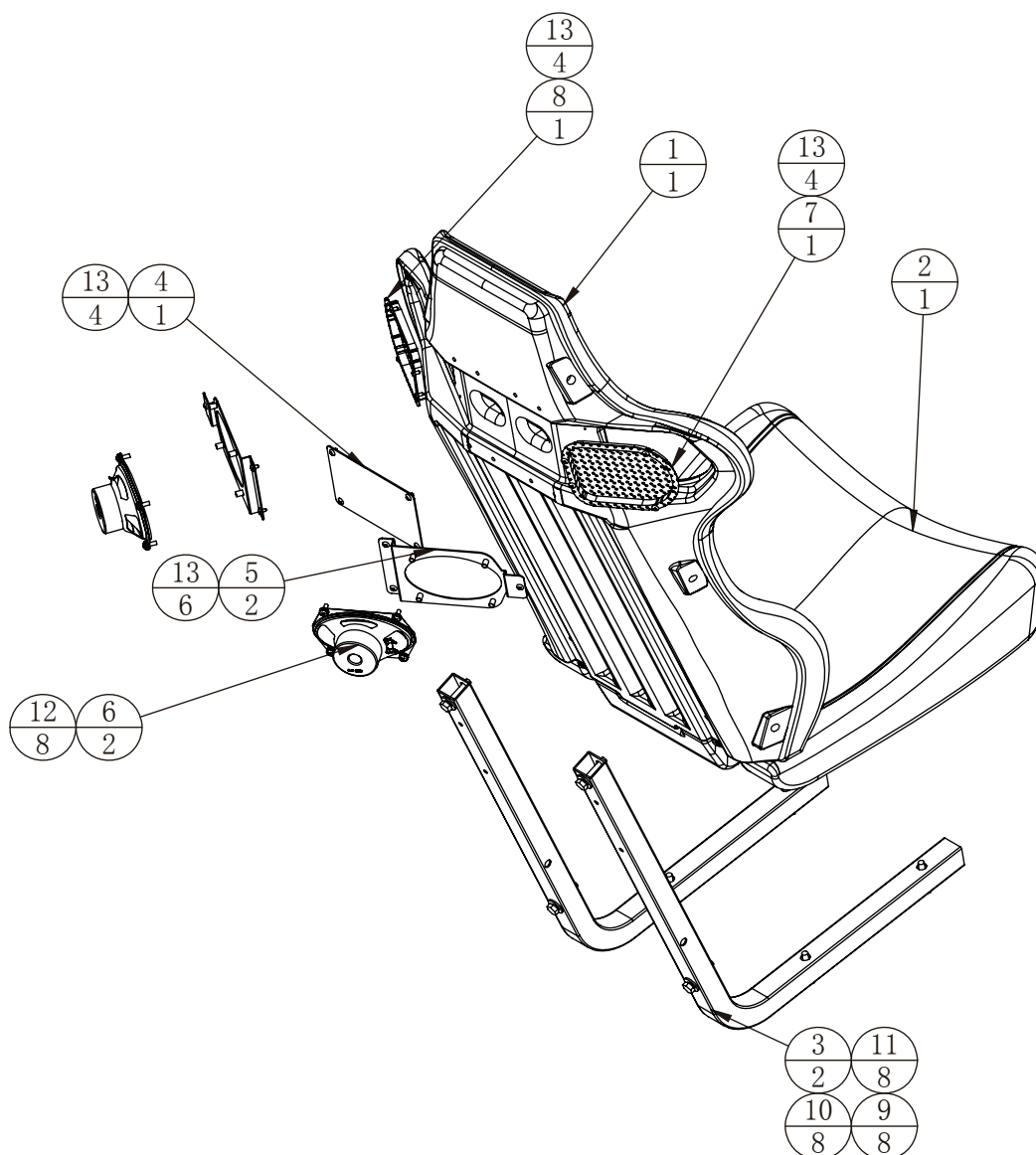
9		plastic screw		6	
8		hex socket cap screws	M4*12 (chrome)	6	
7		cross recessed countersunk head screws	M4*12 (chrome)	4	
6		Hexagon triple combination	8*20*16*1.5(Black)	4	
5	A9-0500C01	Seat back blister	Black ABS laminate	1	1.8.IG39C00050
4	A9-0504000	Hydrogen cylinder		1	
3	A9-0503000	Light bar holder assembly of cylinder		1	
2	A9-0502000	Seat assembly		1	
1	A9-0501000	Seat slide-rail assembly		1	
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.7.1 Seat slide-rail assembly (A9-0501000)



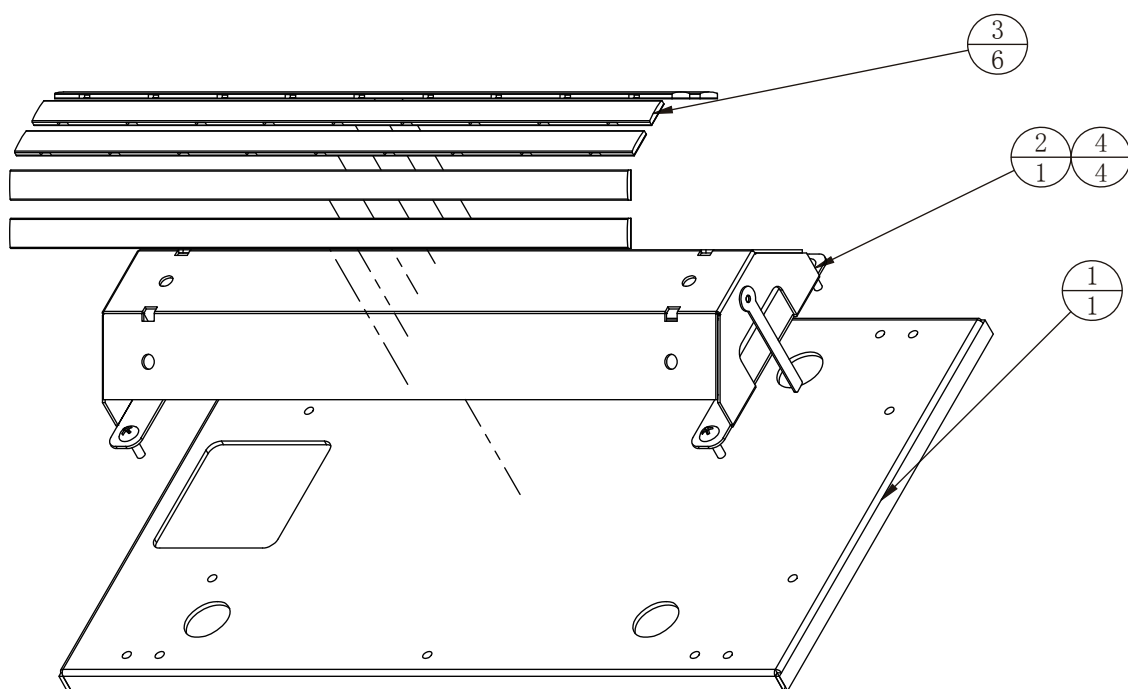
9		cross recessed fillister head three-combination screw	M4*16 (Black)	4	
8		Self-Locking Nuts	M8 (Galvanization)	4	
7		hex socket cap screws	M4*12 (Black)	10	
6		Long slide rail group (short handle)	L=345 Stroke 240	1	1.4.HG100071
5		movable pulley	DR-28-B0.5	2	1.4.HL010010
4		low frequency vibrator	4Ω/50W	1	1.4.YSA00010
3	A9-0501A03	Seat front baffle	SPCC-1.5T	1	1.1.IG39C00600
2	A9-0501A02	cover pore plate	SPCC-1.2T	2	1.1.IG39C00590
1	A9-0501A01	Seat slide rail sheet metal seat		1	1.1.IG39C00580
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.7.2 Seat assembly (A9-0502000)



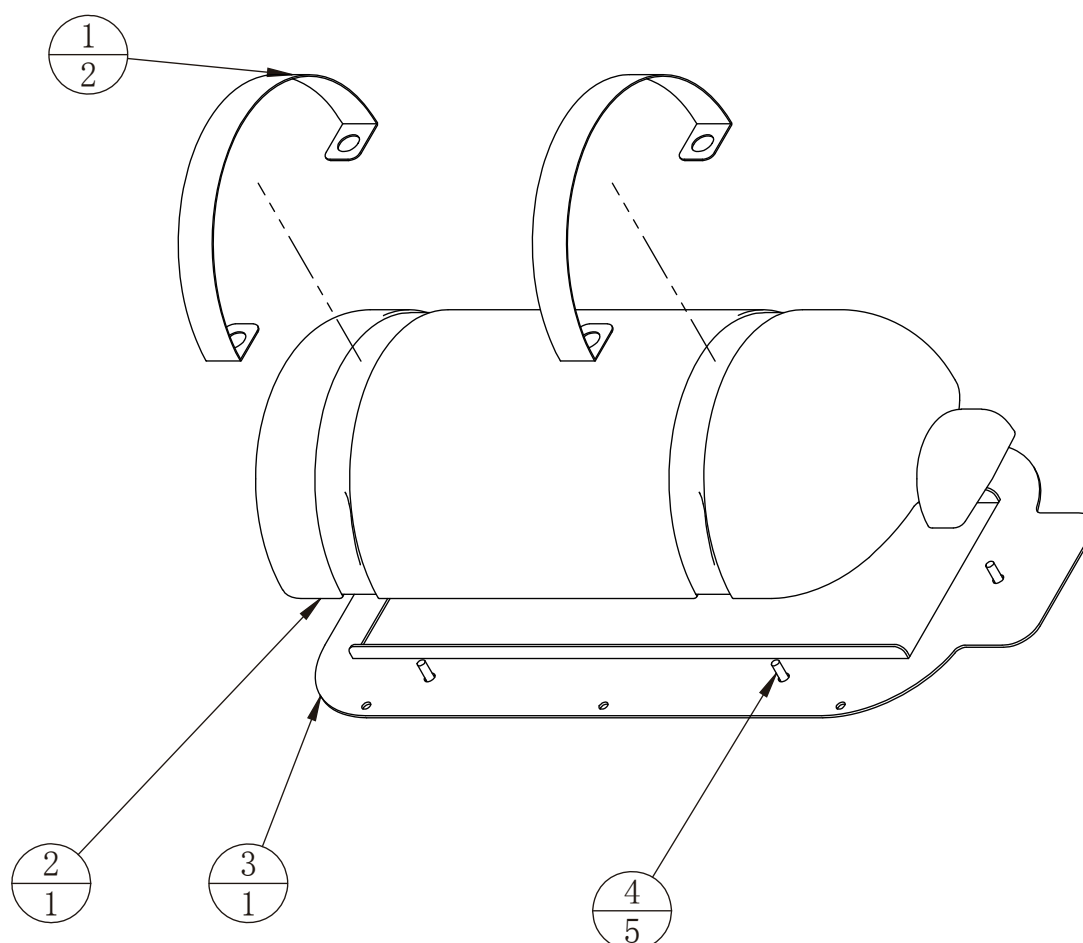
13		cross the big flat head self-drilling screw	M4*8 (chrome)	18	
12		cross recessed fillister head three-combination screw	M5*10 (chrome)	8	
11		external hex socket screw	M8*40 (Black)	8	
10		plain washers	φ8*φ22*2.0 (Black)	8	
9		spring washer	M8 (Black)	8	
8		seat speaker cover r	Stencil-1.0T	1	1.1.IG041001
7		seat speaker cover l	Stencil-1.0T	1	1.1.IG041000
6		ellipse antimagnetic speaker	3x5" 8Ω 15W (for seat back)	2	1.4.YS300010
5	A9-0502A01	Seat horn fixing frame	SPCC-1.5T	2	1.1.IG39C00610
4	A9-0502A02	Seat shielding sheet metal	SPCC-1.5T	1	1.1.IG39C00620
3	HXD-0302A01	seat bend	Square tube 30*2/Q235	2	1.1.IG19G00710
2	A9DX-0407C01	Blow molded seat cushion	ABS (Black)	1	1.8.IG39A00070
1	SD3-07-01-03	seat back cushion		1	1.8.IG04A080
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

6.7.3 Light bar holder assembly of cylinder (A9-0503000)



4		cross the big flat head screw	M4*12 (Black)	4	
3		5050 Flexible Strip Light (LPD6803 Chip) (Dual Head with Plug)	DC12V RGB30 lamp L=300mm	6	1.4.ZM9E0536
2	A9DX-0407A05	Gas cylinder lamp bar rack	SPCC-1.2T	1	1.1.IG39A00840
1	A9DX-0407A04	Seat back reinforcing bracket	SPCC-2.0T	1	1.1.IG39A00830
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

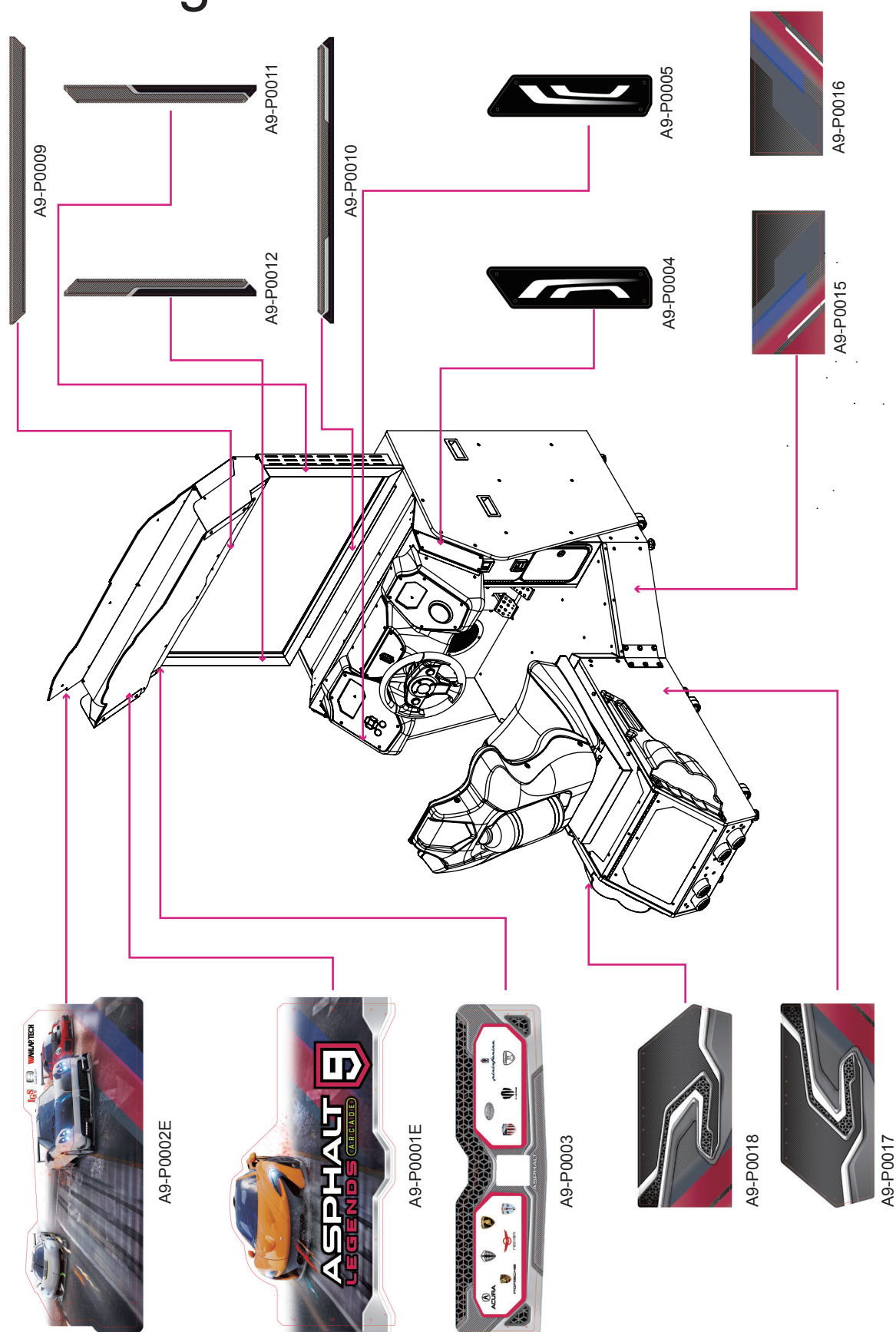
6.7.4 Hydrogen cylinder (A9-0504000)

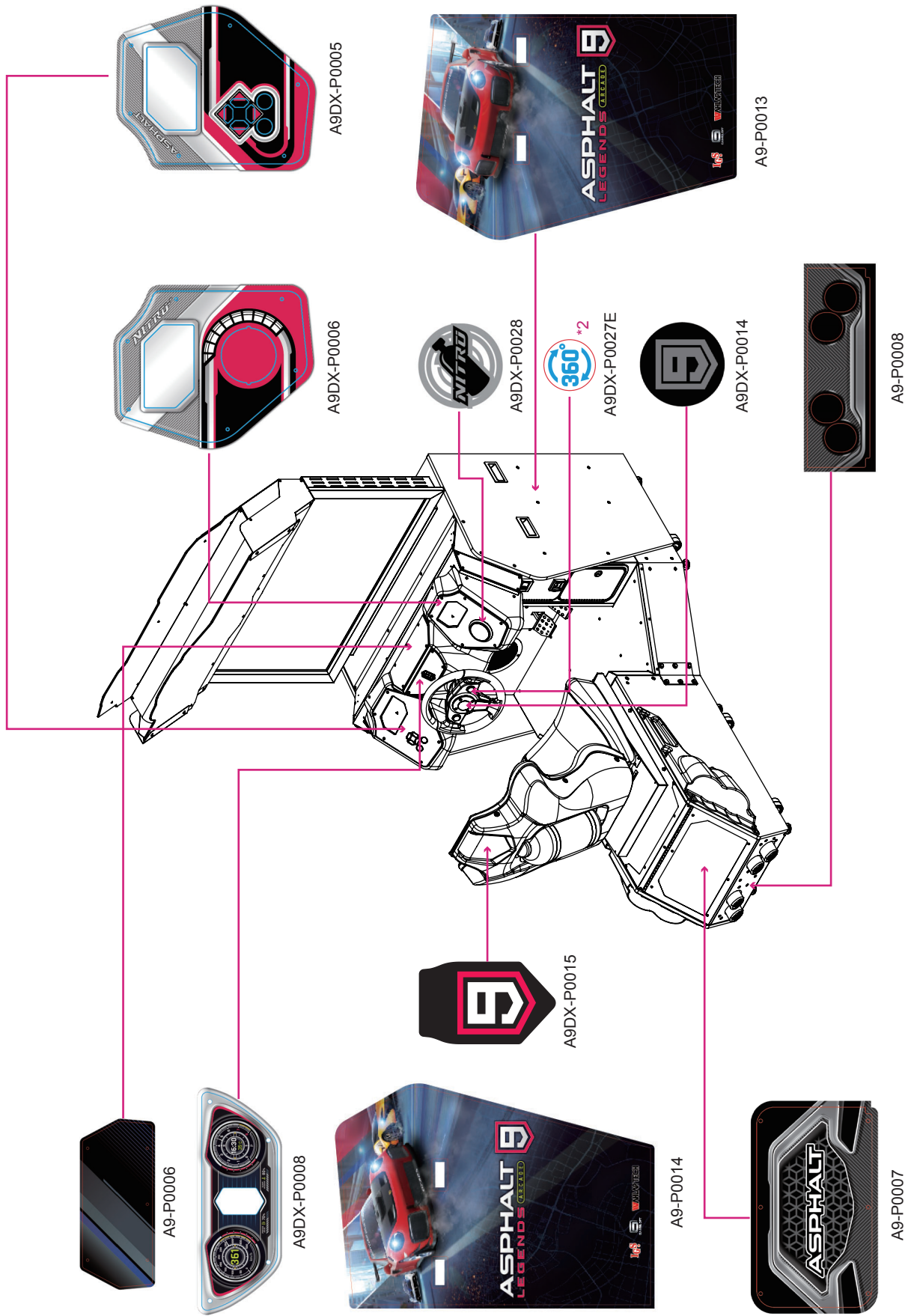


4		cross the big flat head screw	M5*12 (chrome)	5	
3	A9DX-0408A02	Nitrogen bottle fixing plate	Mirror SUS304-1.5T	1	1.1.IG39A00860
2	A9DX-0408C01	Injection nitrogen bottle	Semi-transparent black PC	1	1.8.IG39A00090
1	A9DX-0408A01	Oxygen cylinder decorative sheet	Mirror SUS304-0.8T	2	1.1.IG39A00850
NO.	Draw No.	Name	Material/Spec.	Qty.	Product Code

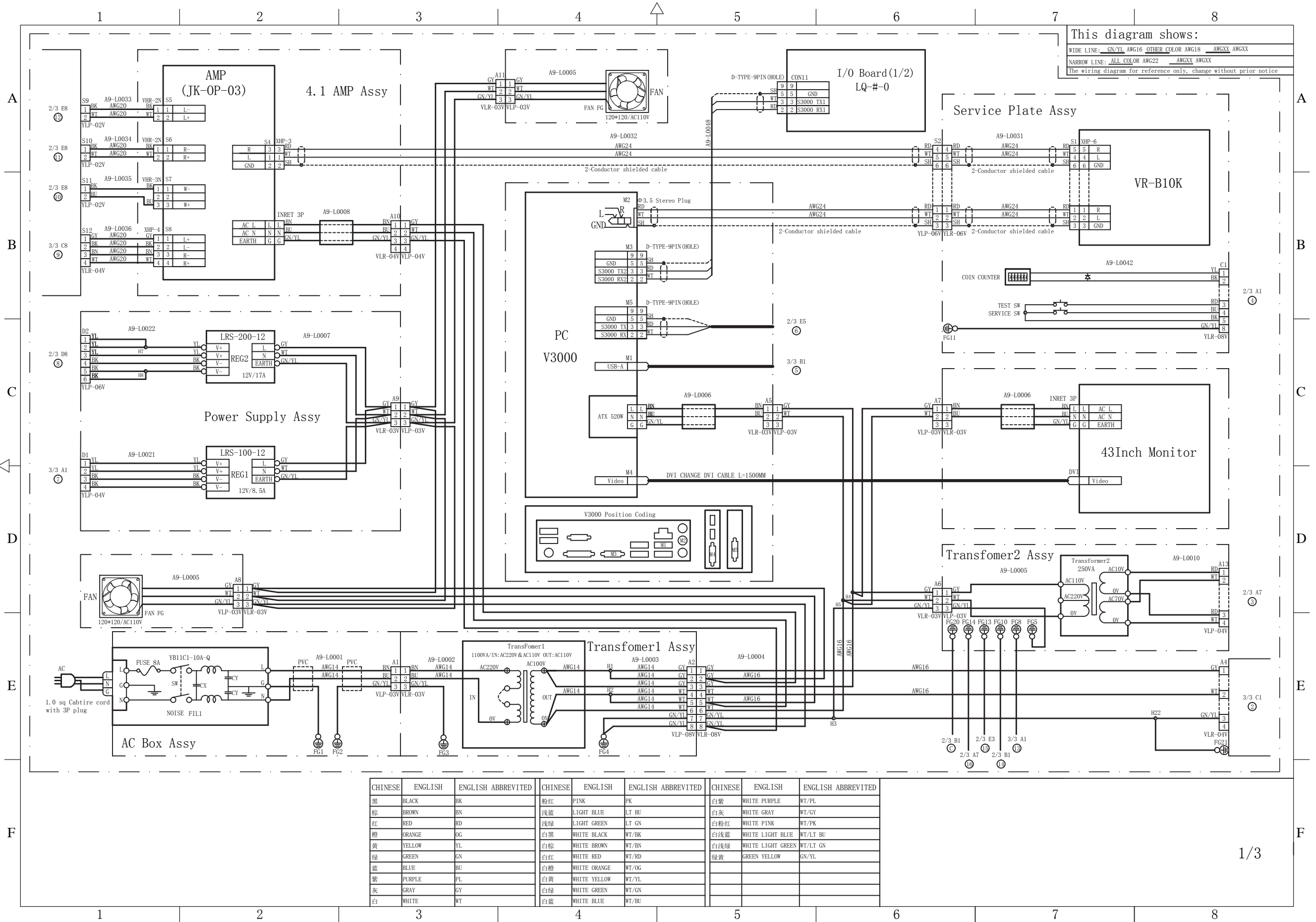
7. Printing Pattern

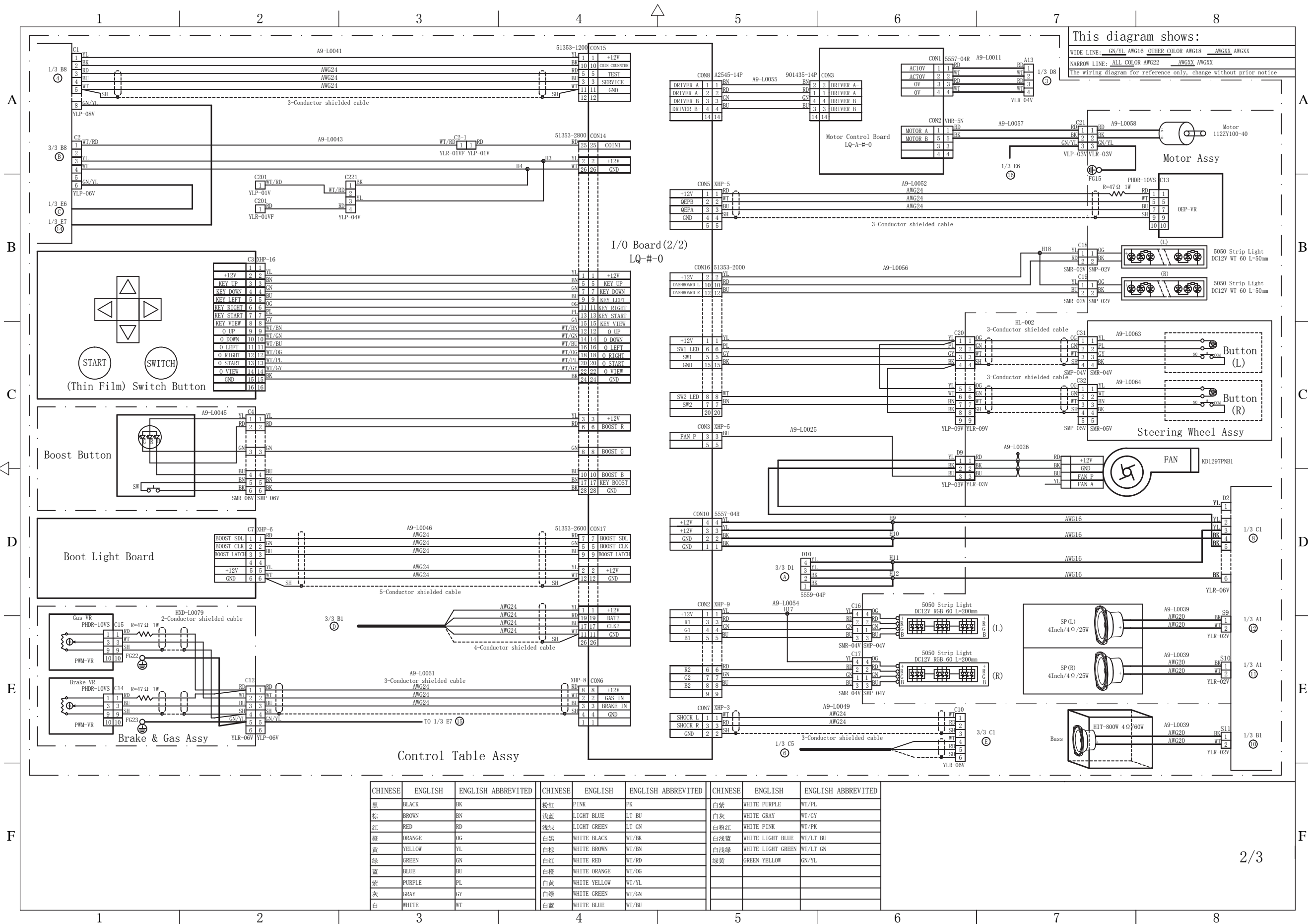
1/2

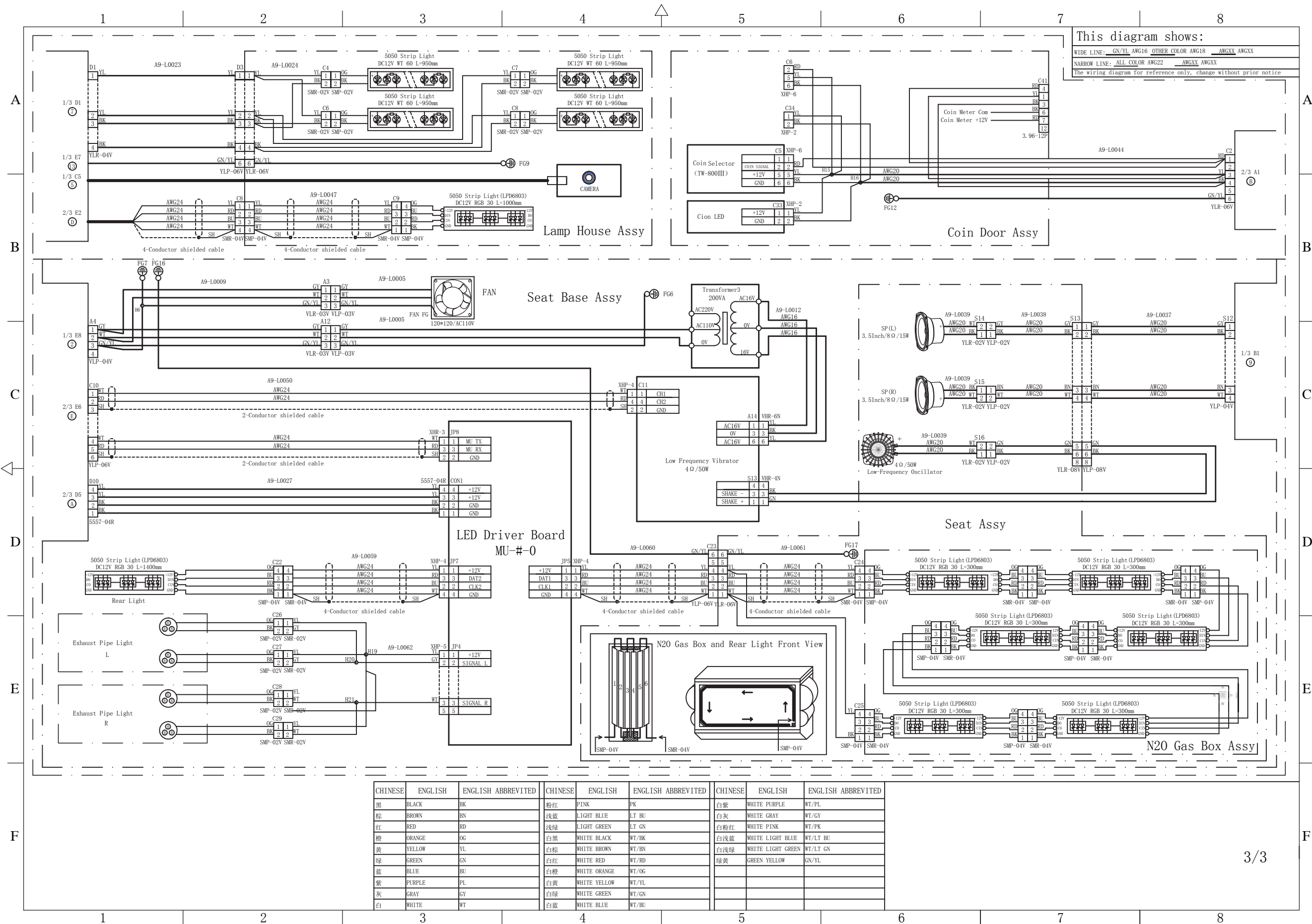




8. Wiring Diagram







After-sales Service

Honorable customer !

Thank you for purchasing our product !

For your benefits , if you find any fault during the operation of the product, please use a technician who obtains a certificate related to mechanical engineering , electrical engineering or who engages in routine maintenance , repair and management of amusement machine to check the machine and inform us the fault in a timely manner. Our company will take corresponding measures to assist you to solve the problem promptly.

NOTICE: Do not dismount or replace any part of the machine without our technician's permission, or you will solely undertake the consequence !

Please pay attention to our contact information as follow:

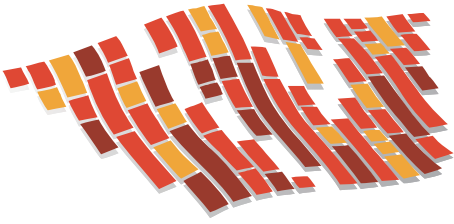
Guangzhou Wahlap Technology Corporation Limited

Add: NO.28,Lianyun 2nd heng Road,Shiqi Town,Panyu District,
Guangzhou City,China.

Tel: +86 20 39226222 Fax: +86 20 39226300

Service Hotline: 400-848-9222

<http://www.wahlap.com>



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Ver.1.00

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The machine specifications or the information in this operation manual may be change without prior notice.
※ For inquiries regarding the machine or machine repairs, please contact your distributor. ※