



## **IMPORTANT**



Be Sure  
to Read this  
Manual  
Before Use

# Operation Manual

## WE ARE HERE TO ASSIST For parts and service



**Have Questions? Contact us!**

### **UNIS SERVICE CENTER**

Tel: 972-241-4263

Email: [service@unispartsandservice.com](mailto:service@unispartsandservice.com)

[www.unispartsandservice.com](http://www.unispartsandservice.com)

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

<b>INDOOR MACHINE</b>	
<b>NAME:</b> Grand Prize XL GMP	<b>MAX POWER:</b> 260W
<b>MODEL:</b> C-718	<b>MIN POWER:</b> 160W
<b>S/N:</b>	<b>FREQUENCY:</b> 50/60Hz
<b>VOLTAGE:</b> AC110V ~	<b>DATE:</b>
<b>Guangdong UNIS Technology Co.,Ltd.</b>	

# CONTENT

IMPORTANT SAFETY INSTRUCTIONS.....	3
1. SPECIFICATIONS.....	5
2. CONTENTS OF THE ACCESSORY KIT.....	6
3. PART NAME.....	8
4. SET UP & INSTALLATION.....	9
5. HOW TO PLAY.....	10
6. GAME OPTION.....	11
7. TROUBLESHOOTING.....	10
8. MAINTENANCE & INSPECTION.....	20
9. OVERALL CONSTRUCTION.....	21
WIRING DIAGRAM	

Thank you for purchasing **Grand Prize XL GMP**. We hope you enjoy the product.

This manual contains valuable information about how to operate and maintain your game machine properly and safely. It is intended for the owner and/or personnel in charge of product operation. Carefully read and understand the instructions.

If you need any help during installation and setup please utilize this manual and troubleshooting guide. If the product fails to function properly, *non-technical personnel should under no circumstance attempt to service the machine*. Contact your distributor or manufacturer for help.

Before use, please read **IMPORTANT SAFETY INSTRUCTIONS**.

## IMPORTANT SAFETY INSTRUCTIONS

**To ensure the safe usage of this product, carefully read and understand these instructions before operating your game.**

**Save these instructions for future reference.**

Use this product only as described in this manual. Other uses not recommended may cause fire, electric shock or personal injury. Unplug the game from the outlet when not in use, when moving from one location to another, and before cleaning/servicing.

Explanations which require special attention are indicated by signs of warning. Depending on the potential hazardous degree, the terms: **NOTE**, **NOTICE**, and **WARNING** are used.

**NOTE:** A NOTE indicates useful hints or information about product usage.

**NOTICE:** A NOTICE indicates potential damage to product and how to avoid the problem.

**WARNING:** A WARNING indicates a potential for product damage or serious personal injury.

It is important to understand the meaning of the following HAZARD SIGNS before continuing:

### High Voltage and Shock Hazard:

High voltage can cause electric shock.  
Turn off/unplug power before servicing.



### High Temperature Hazard:

This part may cause scalding.  
Do not touch. Surface may be hot.



### No Touching Hazard:

This part may be hot or can cause electric shock.  
Do not touch.



Use the following safety guidelines to help ensure your own personal safety and to help protect your equipment and surrounding environment from potential damage.

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

Avoid installing in the following places to prevent fire, electric shock, injury and/or machine malfunctioning:

- Places subject to rain/moisture, or places subject to high humidity.
- Places subject to direct sunlight, or places subject to extremely hot or cold temperatures to ensure that it is used within the specified operating range.
- Places where inflammable gas may be present or in the vicinity of highly inflammable/volatile chemicals or items that can easily catch fire.
- On unstable or sloped surfaces. The machine may topple or cause unforeseen accidents.
- Vicinity of fire exits, fire extinguishers etc that may block/prevent safety measures.

**IMPORTANT NOTE:**

**ALL REPAIRS MUST BE DONE TO ORIGINAL MANUFACTURER SPECIFICATIONS. FAILURE TO DO SO VOID ALL WARRANTIES AND OPERATOR ASSUMES ALL RISKS.**

Note: The contents of this manual may be updated without notice.

# 1. SPECIFICATIONS

Rated power supply: AC110V 50/60Hz; AC220V 50/60Hz (It is subject to the nameplate on the back of the machine.)

Min. Power consumption: 160W

Max. Power consumption: 260W

Dimension: W31.49×D32.75×H77.42 in

W800 ×D832 ×H1966.6 mm

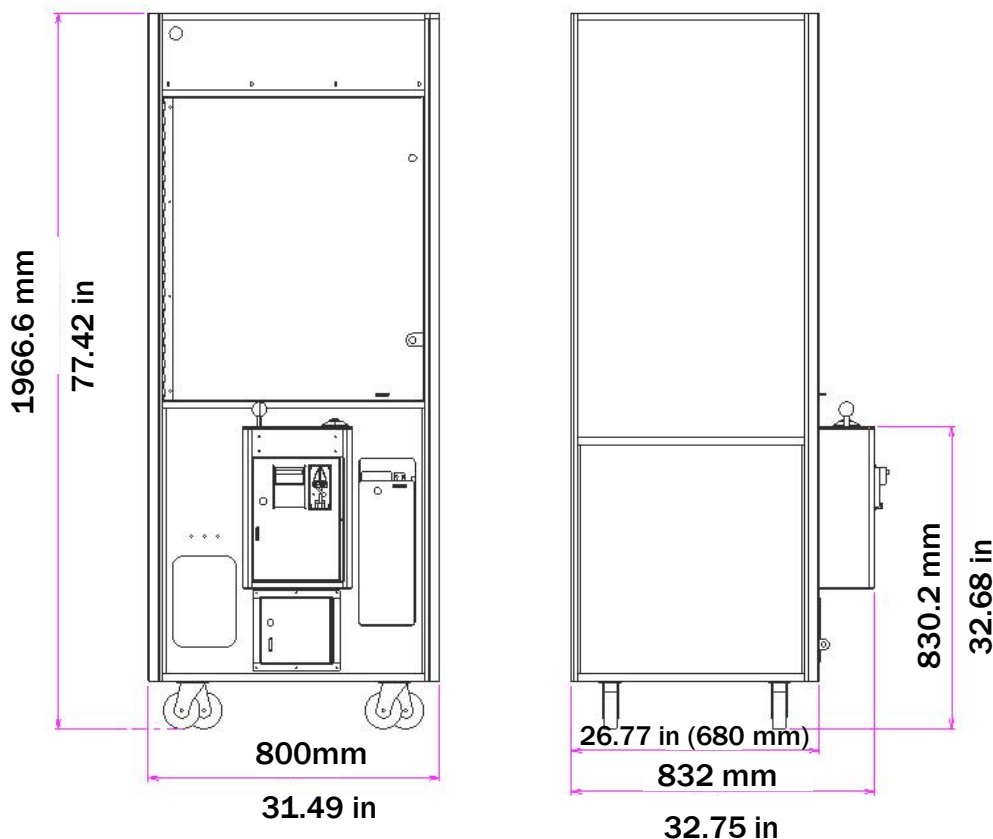
Weight: Approximately 297.62 lb/ 135kg

Model No: C-718

Part No.: G127



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




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

## 2. CONTENTS OF THE ACCESSORY KIT

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

No.	Part No.	Drawing No.	Name/SPEC	Picture	Qty
1	G127-0120-00	TYJ0078	Door key(red)		2
2	G127-0121-00	TYJ0077	Coin box key(yellow)		1
3	G127-0135-00	XC0120	Power cord		1
4	G127-0510-00	TYJ0029	3mm Hexagonal socket		1
5	G127-0509-00	TYJ0333	Claw rubber		3
6	G127-0512-00	HC0020	Cross recessed tapping screws(M4*12)		4
7	G127-0513-00	HC0006	Cross recessed screws(M4*12)		4
8	G127-0514-00	HC0182	Flat hexagon screws(M4*12)		4
9	G127-0515-00	-	Screw(M4*12)		4
10	G127-0516-00	HC0042	Nut		4
11	G127-0517-00	HC0429	Fuse		1

<b>12</b>	<b>G127-0518-00</b>	<b>WJWL0146</b>	<b>Blanking plate</b>		<b>1</b>
<b>13</b>	<b>G127-0508-00</b>	<b>/</b>	<b>Manual</b>	<b>/</b>	<b>1</b>

**NOTE:** Part models are subject to change without notice.



### 3. PART NAME

#### Key Components



## 4. SET UP & INSTALLATION

### ! NOTICE

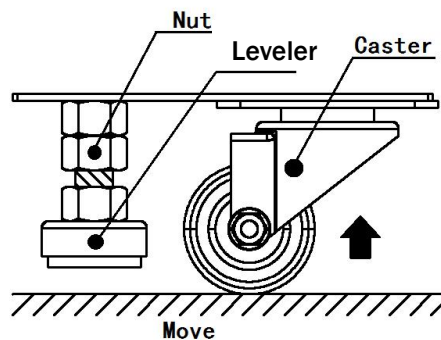
**We do not recommend using power tools as they may cause damage.**

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

- Refer to IMPORTANT SAFETY INSTRUCTIONS (Pg. 3) for places to avoid.
- Place the unit on a dry level surface.
- Ventilation openings in the back of the unit must not be obstructed by objects or by wall.

### 4.1 Transporting the Game

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



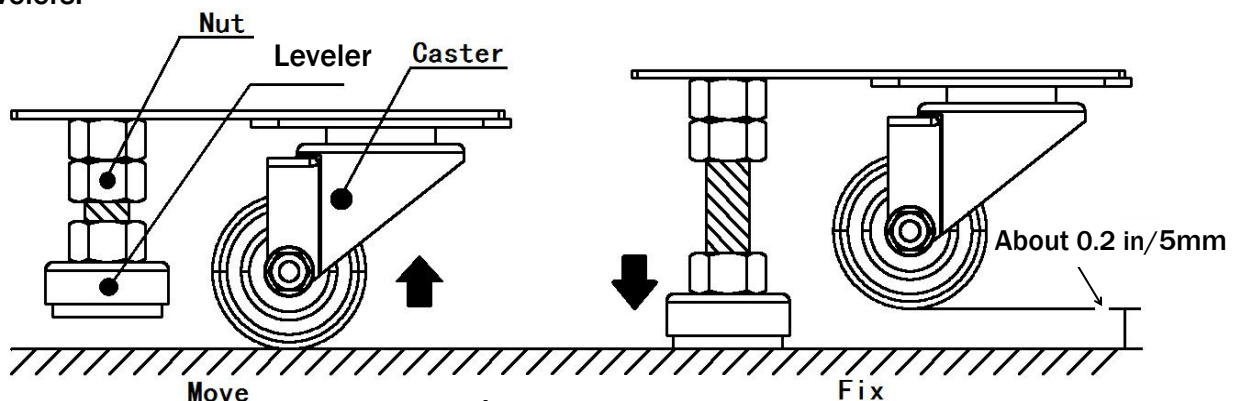
### ! NOTICE

- Be careful not to damage the machine during transport.
- Always unplug the game before moving.
- Keep the machine in upright position during transport.
- For longer distance transport, package the game properly to prevent damages.

### 4.2 Level Adjustment

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

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



### ! NOTICE

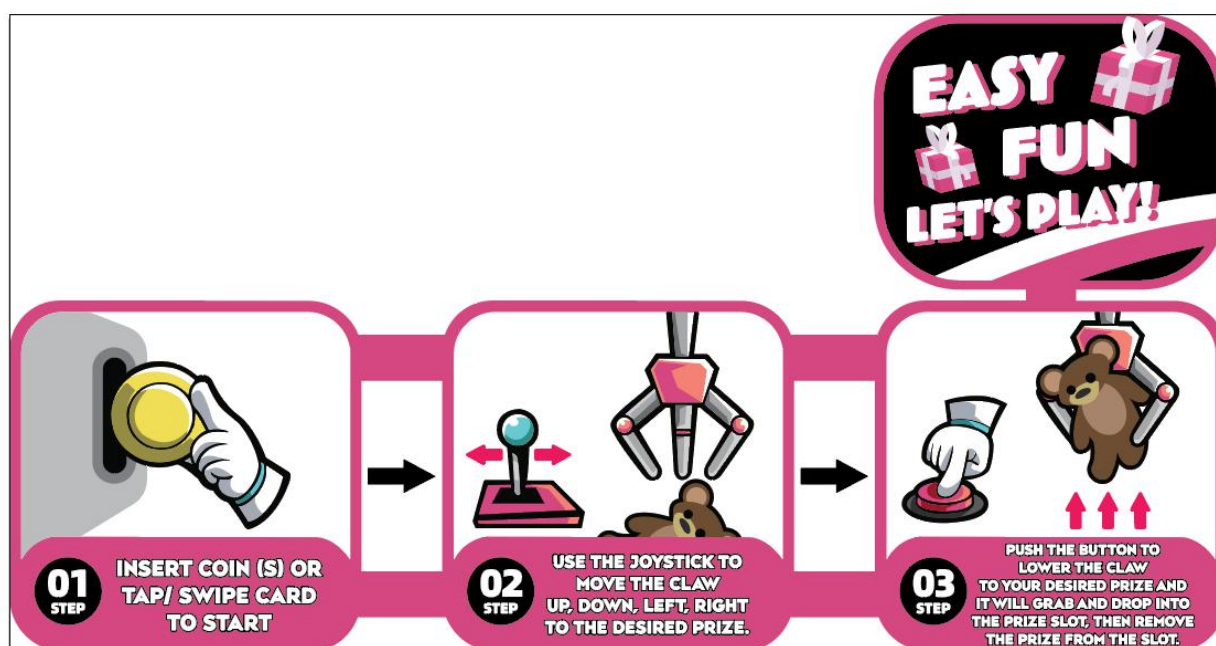
**Make sure the machine is level.**

## 5. HOW TO PLAY

Step 01. Insert Coin(s) or Tap/Swipe Card to Start.

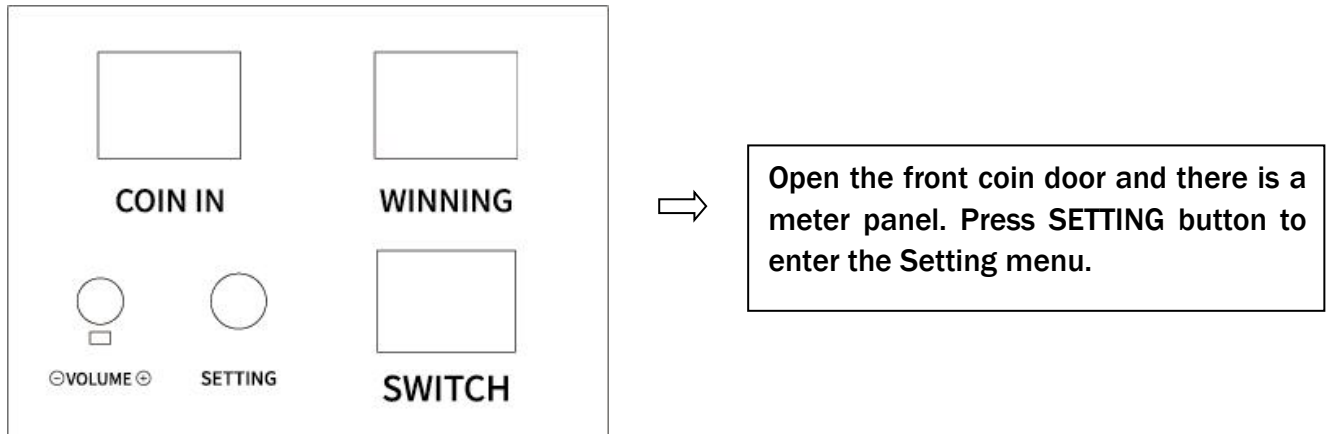
Step 02. Use the joystick to move the claw up, down, left, right to the desired prize.

Step 03. Push the button to lower the claw to your desired prize and it will grab and drop into the prize slot, then remove the prize from the slot.



## 6. GAME OPTION

### 6.1 Adjustment button instruction



### 6.2 Setting menu

#### 6.2.1 Main menu

Options
Accounts
Set Up
Test
System info
Exit

#### 6.2.2 Accounts: operation records are included as below

Options	Description
Coins	The total number of coins inserted.
Games	The number of game rounds.
Gifts	The number of prize out.

#### Linking total accounts(In No.1 machine)

Options	Description
Coins	The total number of coins inserted.
Games	The number of game rounds.
Gifts	The number of prize out.

### 6.2.3 Set Up: Basic set up & Advance set up are included as below

#### Basic set up

Use Joystick with Start button on control panel to enter a 4 digits password (initial password “9999”), then press Start button to confirm.

**Note: Basic set up initial passwords can be changed by operator in “Password” option.**

Options	Adjustable value	Default	Description
2COIN2G	COIN:1-20 ROUND:1-9	COIN:2 ROUND:2	The number of coins for each game.
Claw Strength	Please see 6.2.3.1	/	Adjust claw power
Cable Length	/	45	Adjust the descending length of the claw to the bottom of the prize.
Move speed- X Speed (Left and right)	40-100	65	Motor speed. The larger the value, the faster the speed.
Move speed- Y Speed (Front and rear)	40-100	65	Motor speed. The larger the value, the faster the speed
Move speed- Z Speed (Up and down)	40-100	80	Motor speed. The larger the value, the faster the speed
PET MODE	On/Off	Off	On: activate the feature of “Play every time to win”, C1-C4 is changed to 48 automatically, the player can play all the times until a prize is win. Off: Not activated, no change.
DBV Bonus	On/Off	Off	If no DBV installed, On/Off: both invalid If DBV installed and select Off: no extra credits If DBV installed and select On: 4 bonus credits will be given while inserting 5, 10 or 20 dollars
Clear Bill			Clear accounts and play times.
Password			Modify the password to enter the basic set up.
Back			

**Advance set up**

**Do not recommend changing below parameters without consulting UNIS service center. Any change may cause the machine to be faulty.**

Enter a 4 digits password “**4321**”, then press Start button.

Options	Adjustable value	Default	Description
Origin	LF/RF/LB/RB	LF	Prize Drop Position: LF: Left front; RF: Right front LB:Left back; RB: Right back
Voltage	24V/48V	48	Claw voltage.
Safeguard	0-250	200	Motor safety.
Link Set	Y/N	N	Stand-Alone: Single Mode; No.1-No.12:Linking Mode machine No. Before change this parameter, please contact Unis service center as an extra connection cable is needed.
Factory Reset			
Back			

**Note: Advance set up initial passwords can not be changed in any way!**

**6.2.3.1 Claw Strength**

Options	Adjustable value	Default	Description
C1 Force	1-48	35	The power of close the claw after it down and raised
C2 Force	1-48	14	The transitional claw power, starting shaking prize power.
C3 Force	1-48	10	The power of close the claw when the claw returns back the origin after rising.
C4 Force	1-48	45	The claw closing power (strong claw) in the whole game.
C2 height	1-9	3	The height of the prize to be picked up; 1 means highest; 9 means lowest.
Catch Test			Move the joystick, press the start button and lower the claw to test whether the claw power is correct.

<b>Auto Set</b>			<b>Adjust the claw automatically. Please see 8.3 for detail instruction.</b>
<b>Back</b>			

### 6.2.4 Machine Test

<b>Options</b>		<b>Description</b>
<b>Auto Test</b>	<b>Win signal</b>	<b>Automatic test</b>
	<b>Coin signal</b>	
	<b>F/B move</b>	
	<b>L/R move</b>	
	<b>Up Move</b>	
	<b>Down Move</b>	
	<b>Music Test</b>	
<b>Man Test*</b>	<b>(Manual test)</b>	<b>Move joystick to test claw move. Long press the button and turn the joystick up/down to control claw up/down. Press the button twice to leave.</b>

### 6.2.5 System Information

<b>Options</b>	<b>Description</b>
<b>wwj</b>	<b>Software version (e.g.:152A0N-SK/NJ)</b>
<b>INFO</b>	<b>48V 0</b>
<b>Date</b>	<b>Software update date (e.g.: Date: Dec.9 2022)</b>

## 7. TROUBLESHOOTING

### 7.1 Common Problem

Please confirm that all connectors fit tightly.

Symptom	Possible Cause	Recommended action
Game will not start	Frame assembly connector is loose.	Check connector.
	Frame assembly fault	Contact with UNIS Service.
Power off	Circuit protector make power SW in off state.	Turn on power SW again. If appeared again and again, machine has anomaly. Please contact with UNIS Service.
No sound	Low volume	Raise the volume.
	Connector loose.	Check connector.
	Speaker fault.	Check speaker.
	POT installation error.	Install POT correctly.
	POT fault.	Change POT.
	Audio cable problem.	Reconnect the audio cable or change it.
Linking failure	Linking failure	Linking again.
	Mainboard 485 connector and communication connector became loose during transport.	Check connector.
	Machines number are the same.	Make sure each machine number is unique.
	Few linking machine.	Machine less than 3 units cannot be connected.

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

Display	Possible Cause	Recommended action
Err Code: 1 (Do Not Shake)	Shake the machine or tilts the machine.	Do not shake the machine.
	The anti-shake alarm device is stuck.	Check the anti-shake alarm device.
Err Code: 8 (Take away Gift)	Prize optical sensor is blocked.	Take out the prize. Optical sensor cloth should be pasted flat on the front.
	The Optical sensor is faulty.	Replace Optical sensor.
Err Code: 10 (Coin Fault)	The coin mechanism signal is faulty.	Turn the NO/NC switch to the NO position.
	The coin mechanism is faulty.	Replace coin mechanism.



Display	Possible Cause	Recommended action
<b>Err Code: 11</b> <b>(Down Stop Fault)</b>	The claw do not touch the Lower limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Lower limited sensor and Lower motor connector.
	Lower limited sensor is faulty.	Replace Lower limited sensor.
	Lower motor gear is jammed.	Check Lower motor.
	Lower motor is faulty.	Replace Lower motor.
<b>Err Code: 12</b> <b>(Upper Stop Fault)</b>	The claw do not touch the Rising limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Rising limited sensor and Rising motor connector.
	Rising limited sensor is faulty.	Replace Rising limited sensor.
	Rising motor is faulty.	Replace Rising motor.
	Rising motor gear is jammed.	Check Rising motor.
<b>Err Code: 13</b> <b>(Left Stop Fault)</b>	The crane do not touch the Left limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Left limited sensor and L&R motor connector.
	Left limited sensor is faulty.	Replace Left limited sensor.
	L&R motor gear is jammed.	Check L&R motor.
	L&R motor is faulty.	Replace L&R motor.
<b>Err Code: 14</b> <b>(Right Stop Fault)</b>	The crane do not touch the Right limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Right limited sensor and L&R motor connector.
	Right limited sensor is faulty.	Replace Right limited sensor.
	L&R motor gear is jammed.	Check L&R motor.
	L&R motor is faulty.	Replace L&R motor.
<b>Err Code: 15</b> <b>(Front Stop Fault)</b>	The crane do not touch the front limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the front limited sensor and Front&back motor connector.
	Front limited sensor is faulty.	Replace Front limited sensor.
	Front&back motor gear is jammed.	Check Front&back motor.
	Front&back motor is faulty.	Replace Front&back motor.
<b>Err Code: 16</b> <b>(Back Stop Fault)</b>	The crane do not touch the Back limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Back limited sensor and Front&back motor connector.
	Back limited sensor is faulty.	Replace Back limited sensor.
	Front&back motor gear is jammed.	Check Front&back motor.
	Front&back motor is faulty.	Replace Front&back motor.

Display	Possible Cause	Recommended action
<b>Err Code: 19</b> (Wait Rs485 Link)	Mainboard 485 connector became loose during transport.	Please check whether 485 communication cable is loose.
	No.1 machine do not power on.	Power on the No.1 machine.
	Communication cable loose.	Check and reconnect the Communication cable.
	Machines number are the same.	Make sure each machine number is unique.
<b>Err Code: 22</b> (MotorZ Err)	The claw do not touch the Rising limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Rising limited sensor and Rising motor connector.
	Rising limited sensor is faulty.	Replace Rising limited sensor.
	Rising motor is faulty.	Replace Rising motor.
	Rising motor gear is jammed.	Check Rising motor.
<b>Err Code: 20</b> (MotorX Err)	Connector became loose during transport.	Check and reconnect the L&R motor connector.
	L&R motor is faulty.	Replace L&R motor.
	L&R motor gear is jammed.	Check L&R motor.
	The crane do not touch the L/R limited sensor.	Restart the machine.
	L/R limited sensor is faulty.	Replace L/R limited sensor.
<b>Err Code: 21</b> (MotorY Err)	The crane do not touch the Front/Back limited sensor.	Restart the machine.
	Connector became loose during transport.	Check and reconnect the Front&back motor connector.
	Front/Back limited sensor is faulty.	Replace Front/Back limited sensor.
	Front&back motor gear is jammed.	Check Front&back motor.
	Front&back motor is faulty.	Replace Front&back motor.

## 7.2 System Update Operation

Step 1. Power off the game.

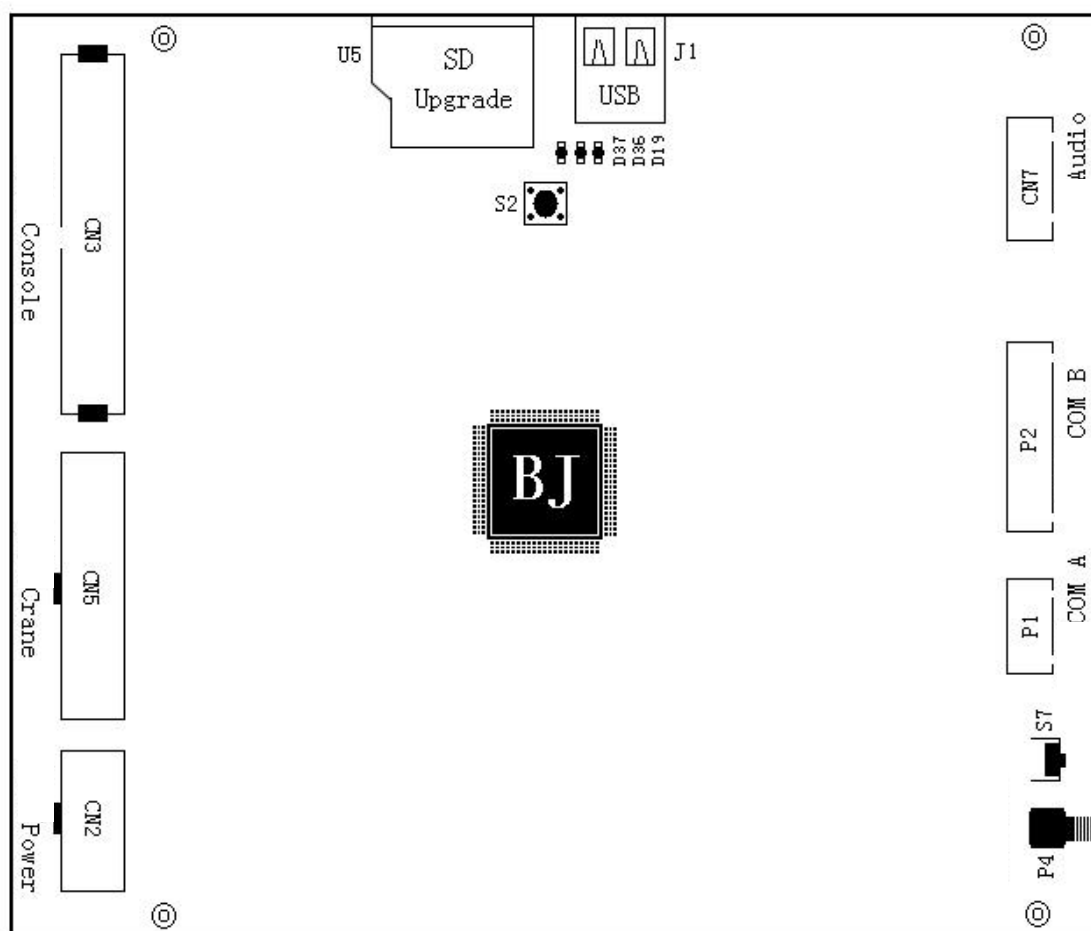
Step 2. Insert the SD card with new program into the SD card socket of the mainboard.

Step 3. Power on and the system will automatically start update.

Step 4. Wait for about ten seconds, remove SD card. Restart the machine.

Step 5. Factory Reset: Enter Program-Setup(password "4321")-Factory Reset-Y.

Step 6. Program Update complete!



**WARNING:** The SD card should only be used to update system. Using it for other purposes may cause unexpected results and damages.

## 8. MAINTENANCE & INSPECTION

### 8.1 Safety Check

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

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

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

### 8.2 Handling Precautions

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

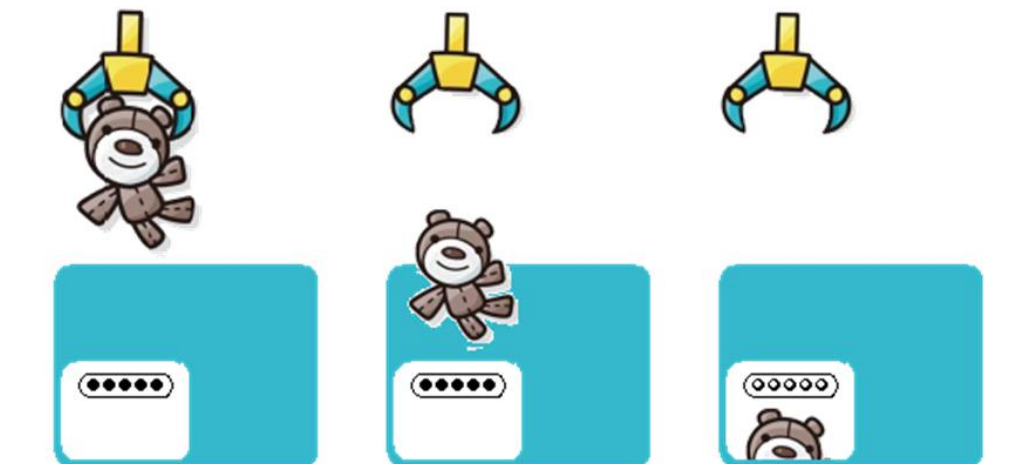
Inappropriate handling running counter to the cautionary matters can cause personal injury or damage to the machine.

#### NOTICE

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

### 8.3 Auto Set Adjustment

1. Place the prize under the Claw.
2. Press start button to adjust the claw automatically.
3. Wait for the prize drop. The display shows "Success".



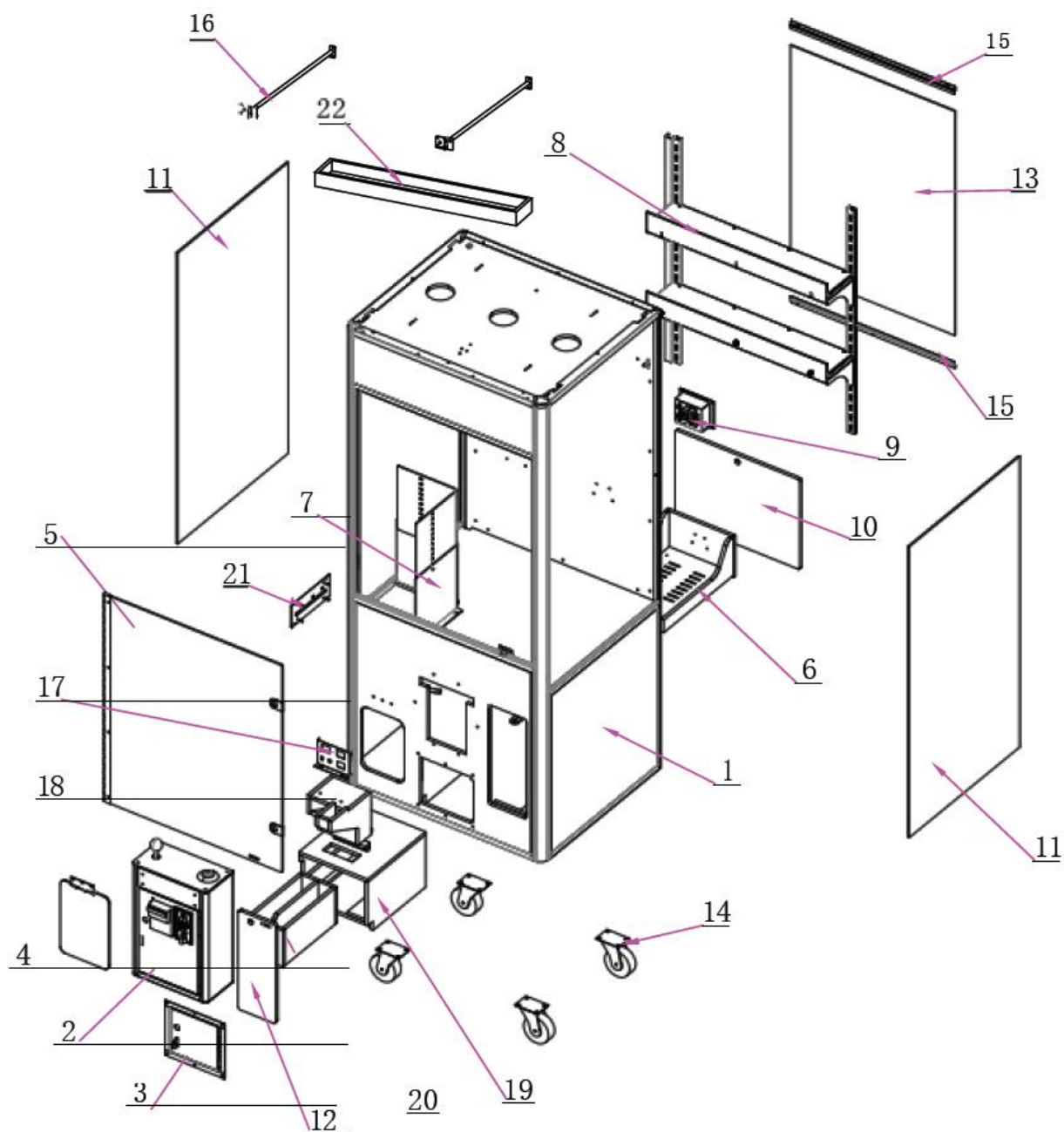
**Notice:** After successful setting, it will automatically enter the Claw force test.

Move the joystick and press the Start button to test the claw power.

If the claw grabs the prize and places it into the hole, C2 and C3 claw value need to be lowered.

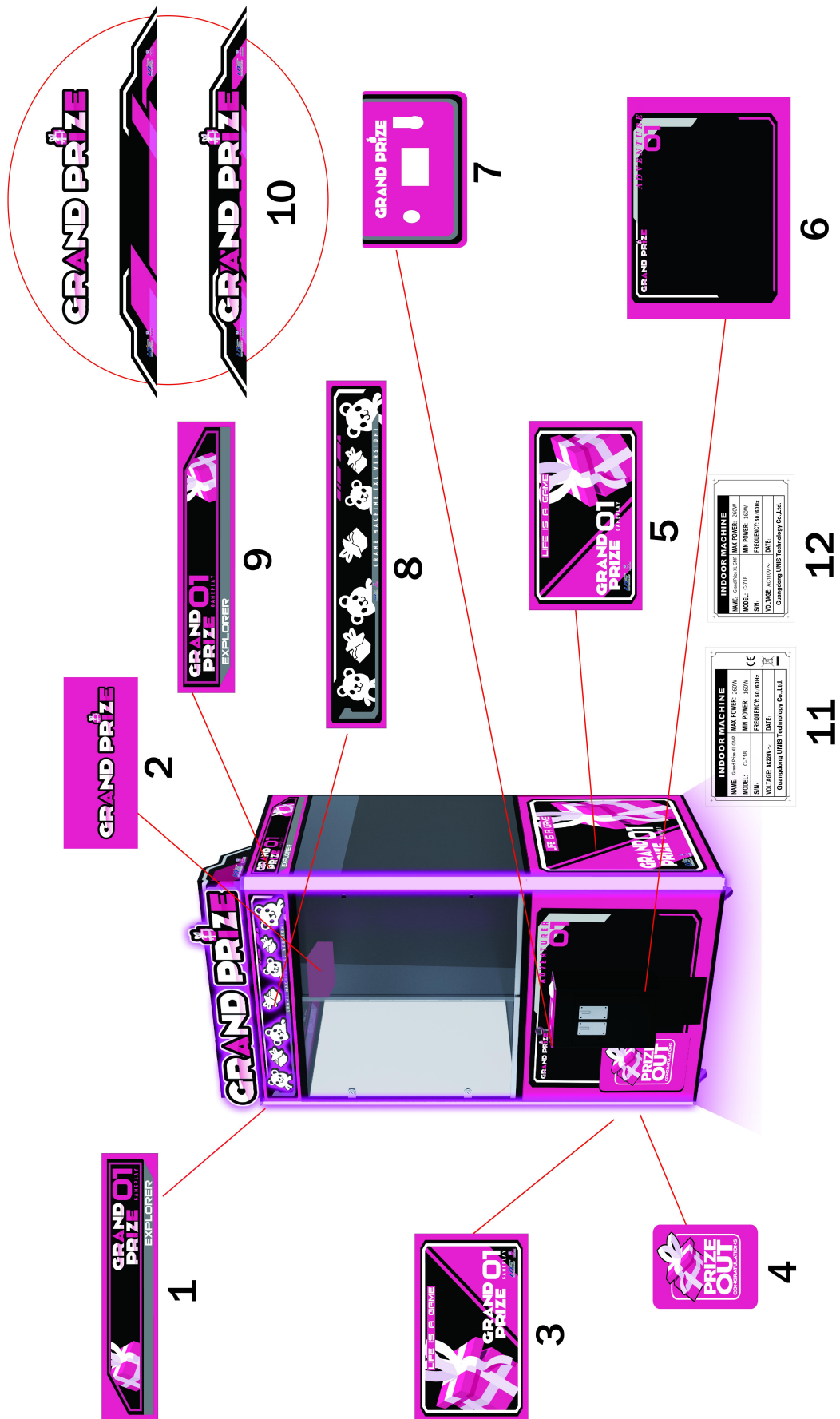
## 9. OVERALL CONSTRUCTION

### 9.1 General Assembly



No.	Part No.	Drawing No.	Name	Qty
1	G127-0301-00	WJWL0090	Main cabinet bracket	1
2	G127-0302-00	WJWL0091	Control panel assembly	1
3	G127-0303-00	WJWL0092	Coin box door	1
4	G127-0304-00	WJWL0093	Prize door	1
5	G127-0305-00	WJWL0094	Front door glass	1
6	G127-0306-00	WJWL0095	Main board plate	1
7	G127-0307-00	WJWL0096	Prize out acrylic	1
8	G127-0308-00	WJWL0097	Prize frame bracket	1
9	G127-0309-00	WJWL0098	Wiring box	1
10	G127-0310-00	WJWL0099	Back door	1
11	G127-0311-00	WJWL0100	Side glass	2
12	G127-0312-00	WJWL0101	Service door	1
13	G127-0313-00	WJWL0102	Back glass	1
14	G127-0314-00	WJWL0103	Caster	4
15	G127-0315-00	WJWL0104	Back glass pressing plate	2
16	G127-0316-00	WJWL0105	Crane assembly	1
17	G127-0317-00	WJWL0106	Counter bracket	1
18	G127-0318-00	WJWL0107	Coin slot	1
19	G127-0319-00	WJWL0108	Coin box bracket	1
20	G127-0320-00	WJWL0109	Coin box	1
21	G127-0321-00	WJWL0110	Sensor bracket	1
22	G127-0322-00	WJWL0111	Spotlight cover	1

## 9.2 Decals

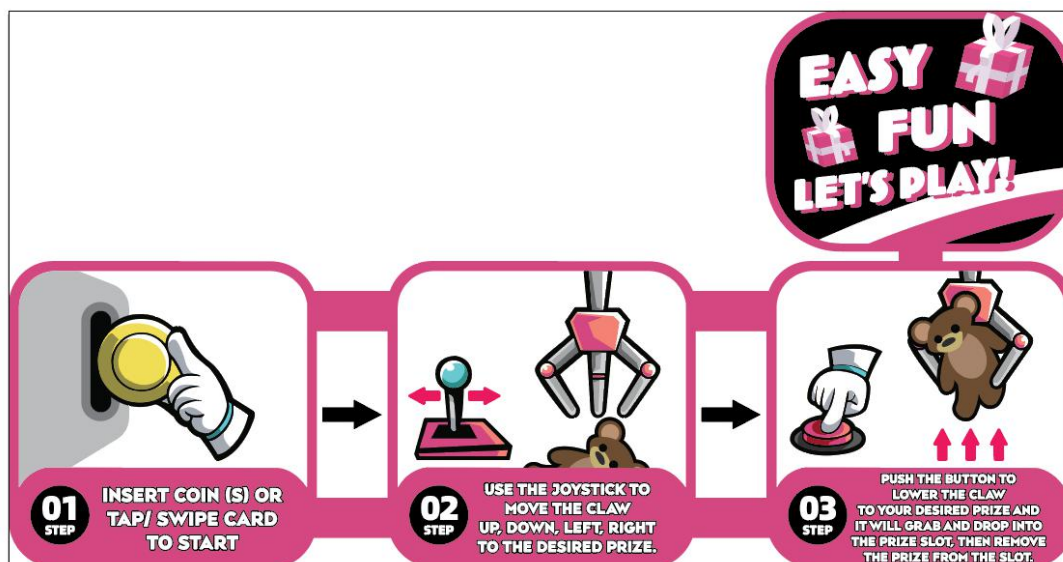


No.	Part No.	Drawing No.	Name	Qty
1	G127-0401-00	/	Upper L side decal	1
2	G127-0402-00	/	Crane decal	1
3	G127-0403-00	/	Bottom L side decal	1
4	G127-0404-00	/	Prize out decal	1
5	G127-0405-00	/	Bottom R side decal	1
6	G127-0406-00	/	Bottom decal	1
7	G127-0407-00	/	Control panel decal	1
8	G127-0408-00	/	Upper decal	1
9	G127-0409-00	/	Upper R side decal	1
10	G127-0410-00	/	Marquee decoration board	1
11	G127-0411-00	/	220V nameplate	1
12	G127-0412-00	/	110V nameplate	1



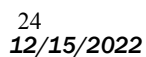
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2



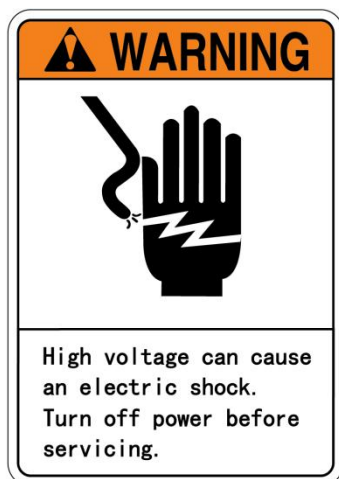
No.	Part No.	Drawing No.	Name	Qty
1	G127-0413-00	/	DBV label	1
2	G127-0414-00	/	How to play instruction decal	1





No.	Part No.	Drawing No.	Name	Qty
1	G127-0415-00	/	Locker decal	2
2	G127-0416-00	/	Maintenance warning label	2
3	G127-0417-00	/	Caster decal	1
4	G127-0418-00	/	Restart notice decal	1
5	G127-0419-00	/	High voltage label	1
6	G127-0420-00	/	Maintenance label	1
7	G127-0421-00	/	Caution label	1
8	G127-0421-00	/	Caution label	1
9	G127-0422-00	/	Rubbish bin label	2
10	G127-0423-00	/	CE label	2
11	G127-0424-00	/	Glass warning decal	2
12	G127-0415-00	/	Locker decal	2
13	G127-0425-00	/	GND label	2
14	G127-0426-00	/	Socket label	1
15	G127-0427-00	/	Indoor use decal	1
16	G127-0426-00	/	Socket label	1

1



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

2

**/// WARNING!!! \ \ \**

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

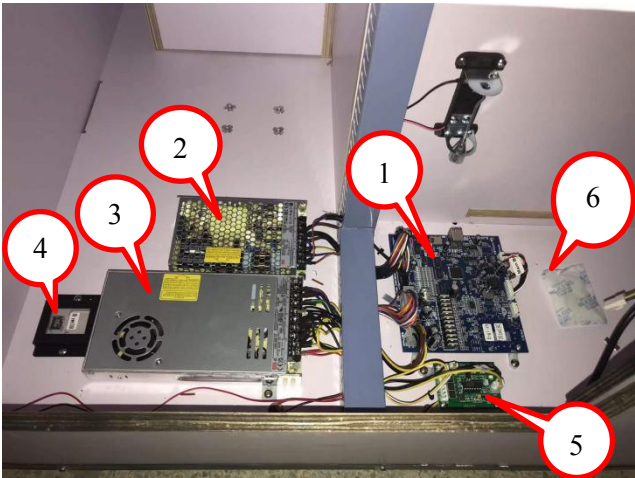
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**FOR PARTS AND SERVICE  
CONTACT UNIS USA  
972 241 4263**

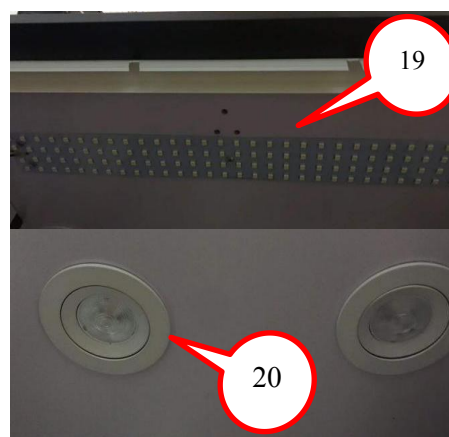
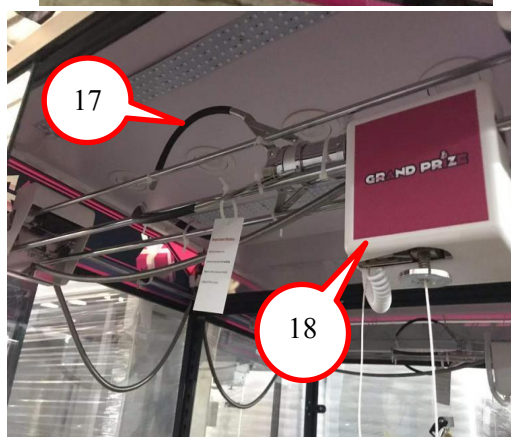
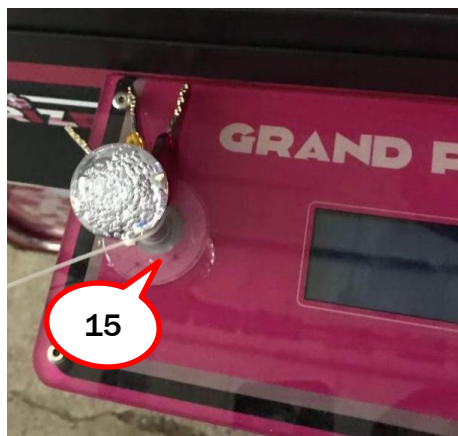
4

No.	Part No.	Drawing No.	Name	Qty
1	G127-0428-00	/	High voltage label(L)	1
2	G127-0430-00	/	Maintenance label(Green)	1
3	G127-0431-00	/	Maintenance label(Yellow)	1
4	G127-0432-00	/	Maintenance label(Orange)	1

9.3 Electrical Components

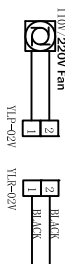
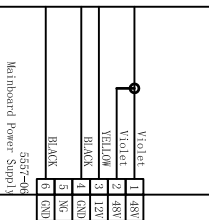


No.	Part No.	Drawing No.	Name	Qty
1	G127-0131-00	DZ0261	Main board	1
2	G127-0122-00	TYJ0084	Power supply(48V)	1
3	G127-0123-00	TYJ0099	Power supply(12V)	1
4	G127-0501-00	SH0165	SD card	1
5	G127-0129-00	DZ0074	Display	1
6	G127-0502-00	HC0274	Desiccant	2
7	G127-0503-00	TYJ0359	Volume POT	1
8	G127-0110-00	TYJ0056	Settings button	1
9	G127-0504-00	TYH0054	Power SW	1
10	G127-0109-00	TYJ0047	Counter	2
11	G127-0108-00	TYJ0048	Filter	1
12	G127-0107-00	TYJ0050	Speaker	1
13	G127-0130-00	DZ0137	Sensor	1
14	G127-0124-01	TYJ0062	Coin mechanism	1



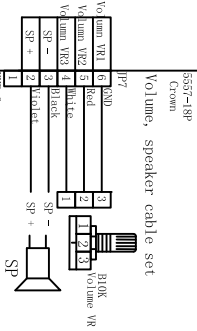
No.	Part No.	Drawing No.	Name	Qty
15	G127-0111-00	TYJ0070	Joystick	1
16	G127-0112-00	TYJ0067	Button with light	1
17	G127-0505-00	DZ0063	Claw	1
18	G127-0506-00	DZ0236	Crane	1
19	G127-0102-00	DG0045	Yellow light	3
20	G127-0104-00	DG0009	Long light board	1



[illegible][illegible]

Claw cable set		VLK-90W	VLK-90PW
Frontback motor+	Down	1	1
L&R motor+	Red duo	2	2
Updown motor+	Orange	3	3
Claw-	Yellow	4	4
Frontback motor-	Brown duo	5	5
L&R motor+	Red	6	6
Updown motor+	Orange duo	7	7
Claw+	White	8	8
Frontback stop signal	Blue duo	9	9
L&Updown GND	Grey	10	10
Frontback stop GND	Grey	11	11
Blue	Blue	12	12
Updown duo	White	13	13
Red	Black	14	14
Up stop signal	Black	15	15
Down stop signal	Black	16	16

	Vid-90%	Fremdback stop
1	Red duo	L&B motor+
2	Orange duo	lydbom motor+
3	Yellow duo	Claw-
4	Blue duo	Fremdback motor+
5	Red duo	L&B motor+
6	Orange duo	lydbom motor+
7	White	Claw+
8	Blue duo	Fremdback stop signal
9	Blue duo	Fremdback stop signal
10	Grey	L&B(lydbom) CN
11	Grey	L&B(lydbom) CN
12	Blue	Fremdback stop CN
13	Purple duo	Fremdback stop CN
14	Purple duo	l-stop signal
15	Black	lip stop signal
16	Black	Down stop signal



V	1	Orange	1
GNV	27	Brown	2
MS	22	Green	3
R/W	6	Brown	4
E	6	B/W	5
PSI	25		6
HA (60)	25	Blue	7
HA (100)	22	Grey	8
HA (100)	9		9

Orange 1  
 Brown 2  
 Green 3  
 B/W 4  
 Blue 5  
 Grey 6  
 Yellow 7  
 Red 8  
 White 9

XHP-20  
 Small 100

