

Operation Manual

Raging Ape



WARNING

Be sure to read this operation manual before use.

SERVICE:

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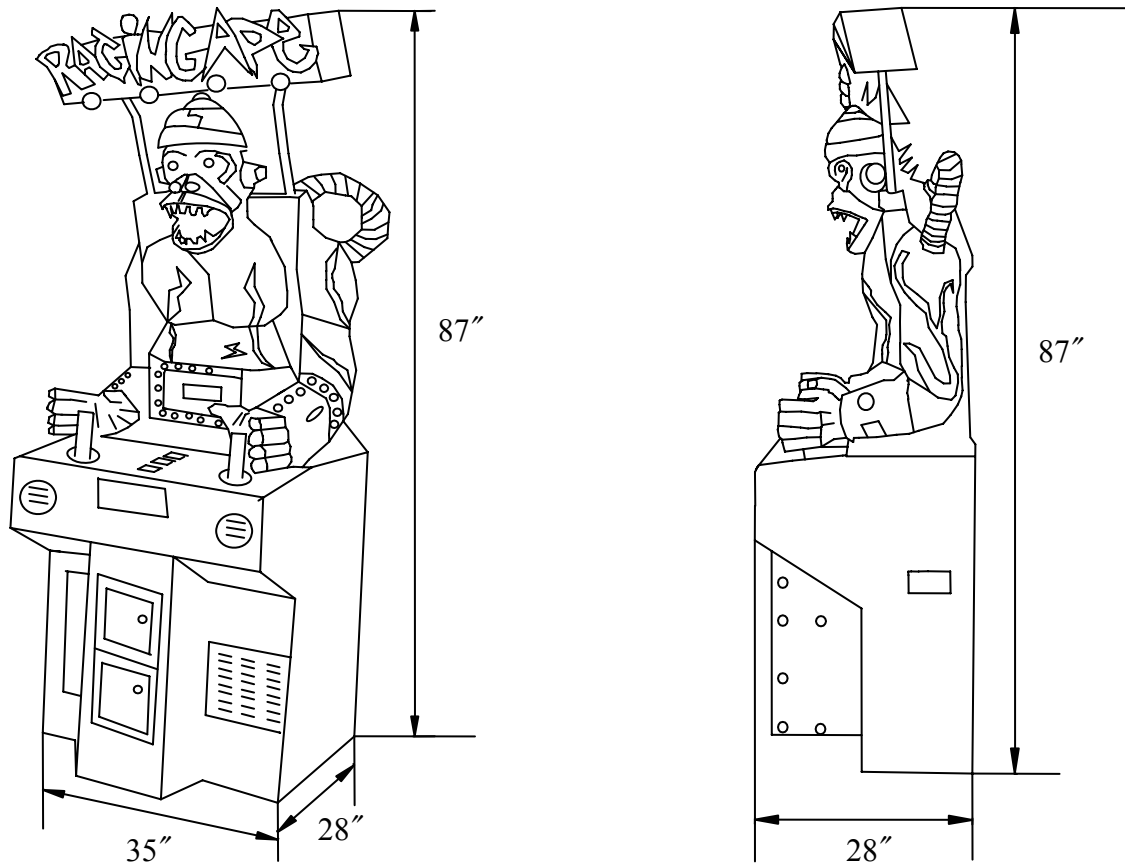
Contents

1. Specifications.....	2
2. Package Contents.....	3
3. Installation, Fix and Transport.....	4
4. Connecting the Power Cord and Grounding.....	6
5. How to Play.....	7
6. Switches Control Signal and Illuminate.....	8
7. Parameter setting.....	9
8. Maintenance and Inspections.....	12
9. Overall construction.....	13

I/O Chart

Schematic

1. Specifications



1) Rated power supply: AC “110V±10% 60Hz”

(Note: For the actual voltage, please refer the label of the machine.)

2) Power consumption: Min 60W, Max 320W

3) Dimensions: W35”×D28”×H87”

4) Weight: About 330lbs

5) Environment Condition: Temperature(indoor):-47F~+101F

Humidity: ≤90%

Atmospheric pressure:86Pa~106Pa


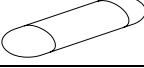





! WARNING

Game parameters are subject change without notice.

2. Package contents

Be sure to check that you have received all packages indicated below.

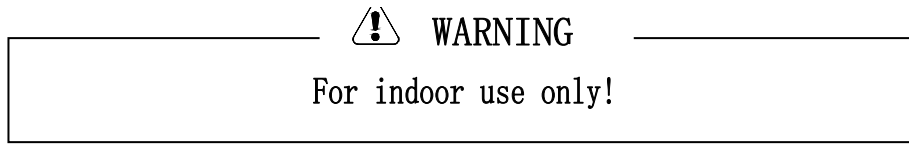
1) Accessories:

NO	NAME	SPECIFICATION	QTY	ILLUSTRATION	NOTE
1	Power cord	70"	1		
2	Fuse	$\phi 5 \times 0.78"$	1		10A/125V
3	Manual	English	1		
4	Light	12V 20W	4		
5	Key	171	4		
6	Fuse	$\phi 5 \times 0.78"$	2		5A/220V
7	Spotlight	12V 3W	4		
8					
9					
10					
11					
12					

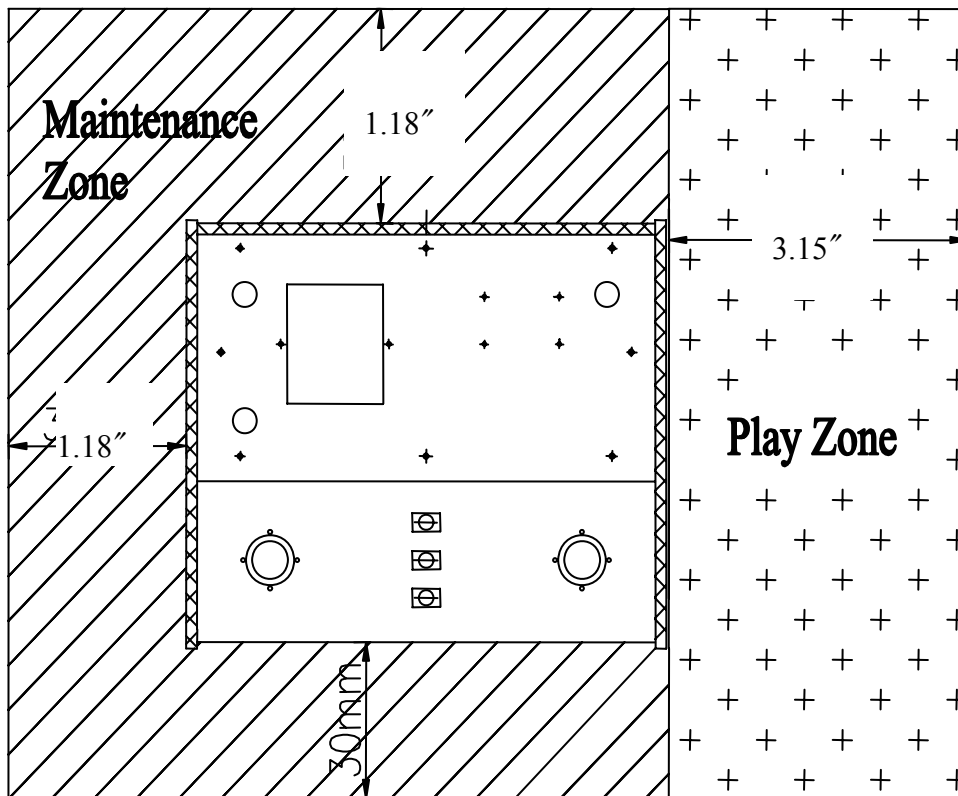
Notice: The part list is subject to change without notice.

3. Installation, Fix and Transport

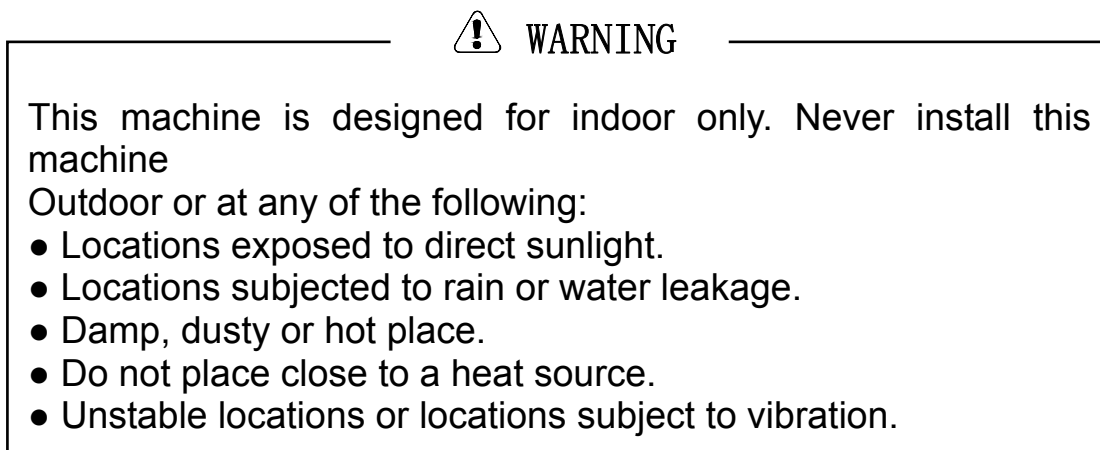
1) Installation:



Play zone:



Locations to avoid installing:

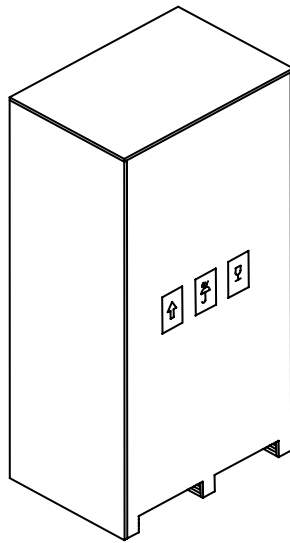


2) Fix:

Install this machine on a flat surface.

3) Transport:

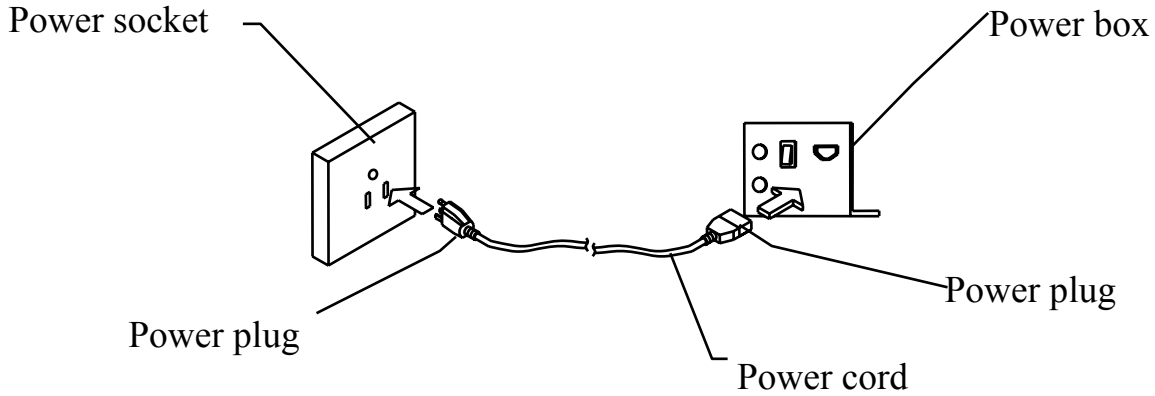
When transporting this machine, you should use bubble wrap or some protective covering as the fiberglass or surface may scratch.



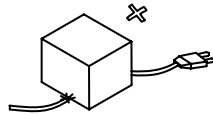
⚠ NOTICE

- Turn off the power switch before moving this machine.

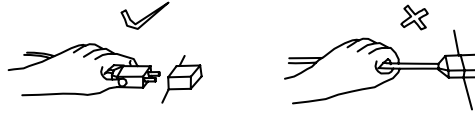
4. Connecting the power cord and grounding



- Do not put heavy items on power cord.



- Hold the power plug instead of the wire to draw the power cord out of the socket.



- Do not touch the power plug with a wet hands.



- Do not put the power cord near a heat source.

- Do not place the cord where a place can easily trip over it.



- Run this machine with the correct power configuration.

5. How to Play

- 1) Insert coin(s), three lights on the control box are on. Press a button to select difficulty, the light which you select is off to show your choice.
- 2) Hold the handles with both hands.
- 3) The game starts and the handles will vibrate at a high frequency. The player feels the simulation of an electric shock.
- 4) The LED on the Control panel will display the score which will increase along with the time. If the player's hands leave the handle, the game is over. The last score will display on the Score LED and tickets are paid out. (Initial setting is 100 points per ticket, operator can reset the parameter, please refer the 7. Parameter Setting.)

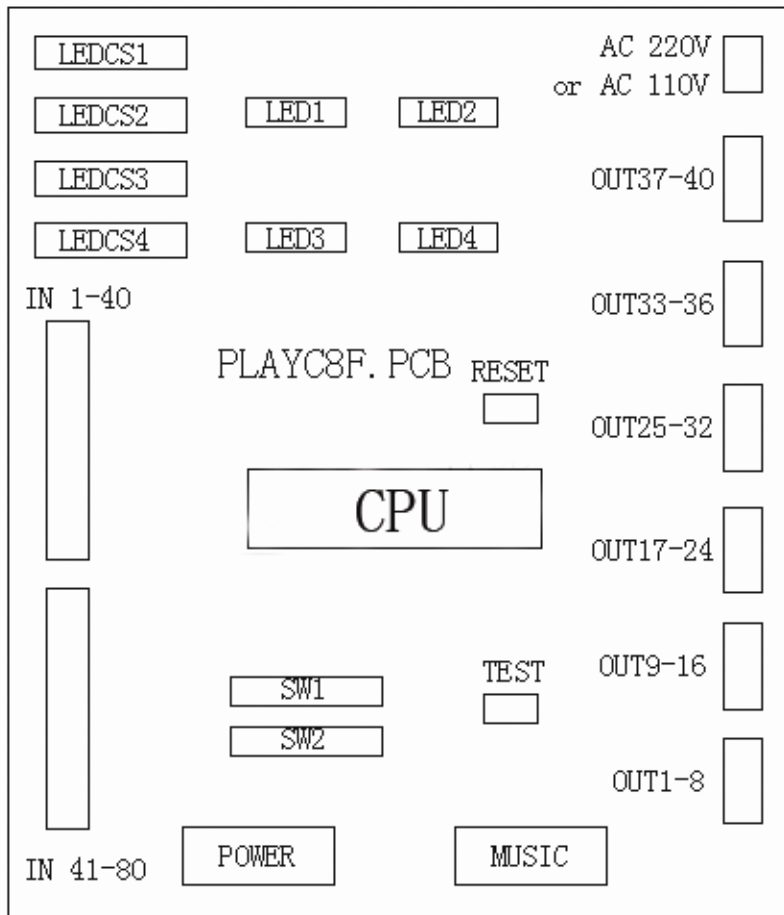


⚠ WARNING

- People who has heart disease or hypertension can not play this game.
- Hands may feel numb after play.

6. Switches control signal and illuminate

- 1) Refer the attached I/O chart and the schematic.
- 2) To adjust DIP, please refer the I/O chart. The initial setting is in capitalization.
- 3) Main board:



- 4) DIP SW: (Initial setting)



WARNING

Game parameters are subject to change without notice.

7. Parameter setting

(Please refer to the I/O chart. The initial settings are in bold type.)

1) Insert coin/token:

SW11~SW13 - Adjust the coin amount. There are 8 options:

	Coin amount	SW11	SW12	SW13	NOTE
SW11 ~ SW13	1	ON	ON	ON	1 coin for 1 game
	2	off	on	on	2 coins for 1 game
	3	on	off	on	3 coins for 1 game
	4	off	off	on	4 coins for 1 game
	5	on	on	off	5 coins for 1 game
	6	off	on	off	6 coins for 1 game
	7	on	off	off	7 coins for 1 game
	8	off	off	off	8 coins for 1 game

2) Payout:

SW14~SW16-Adjust the payout .There are 8 options:

	Score/ticket	SW14	SW15	SW16	NOTE
SW14 ~ SW16	①	on	on	on	Payout setting is①
	②	off	on	on	Payout setting is②
	③	on	off	on	Payout setting is③
	④	OFF	OFF	ON	Payout setting is④
	⑤	on	on	off	Payout setting is⑤
	⑥	off	on	off	Payout setting is⑥
	⑦	on	off	off	Payout setting is⑦
	⑧	off	off	off	Payout setting is⑧

	LOW	MED	HIGH
①	10	20	30
②	8	16	24
③	6	12	18
④	5	10	15
⑤	4	8	12
⑥	3	6	9
⑦	2	4	6
⑧	0	0	0

2) Mercy Ticket

SW17~SW18 - Adjust the mercy ticket. There are 4 options:

	Payout	SW17	SW18	Note
SW17 ~ SW18	0	ON	ON	No payout
	1	off	on	1 ticket
	2	on	off	2 tickets
	3	off	off	3 tickets

4) Handle vibration time:

SW23 ~ SW24 – Adjust the intensity of the handle vibration. There are 4 options:

	Time (s)	SW21	SW22	NOTE
SW21 ~ SW22	40s	ON	ON	Vibrate 40 s
	45s	off	on	Vibrate 45 s
	50s	on	off	Vibrate 50 s
	55s	off	off	Vibrate 55 s

5) Handle vibration intensity:

SW23 ~ SW24- Adjust the intensity of the handle vibration. There are 4 options:

	Intension	SW23	SW24	NOTE
SW23	Strong	on	on	
	Mid strong	OFF	ON	
~				
SW24	Mid weak	on	off	
	Weak	off	off	

6) Gush mist time:

SW25~SW26 – Adjust the gush mist time. There are 4 options:

	Gush mist time	SW25	SW26	NOTE
SW25	Short	ON	ON	
	Long	off	on	
~				
SW26	Longer	on	off	
	longest	off	off	

7) **Demonstration music:**

SW27 is adjust demonstration music. There are 2 options.

	Demonstration	SW27	Note
SW27	Yes	ON	set demo music
	No	off	No demo music

*** Notice: The parameter is subject to change without notice.**

8. Maintenance and inspections

1. Remove power before servicing game.

To avoid short circuit, the power must be removed before touching inside. If you have to switch on the power, please refer the operation manual.

2. Choose the appropriate replacement parts.

Using the wrong parts will lead to short circuit or break down the main board.

3. Do not remove, install or change equipment without consulting our technical support team.

It will lead to short circuit and machine malfunction even can bring a fire.

4. Do not put vases with water, cups or containers on the machine. Also chemical or heavy items are not allowed.

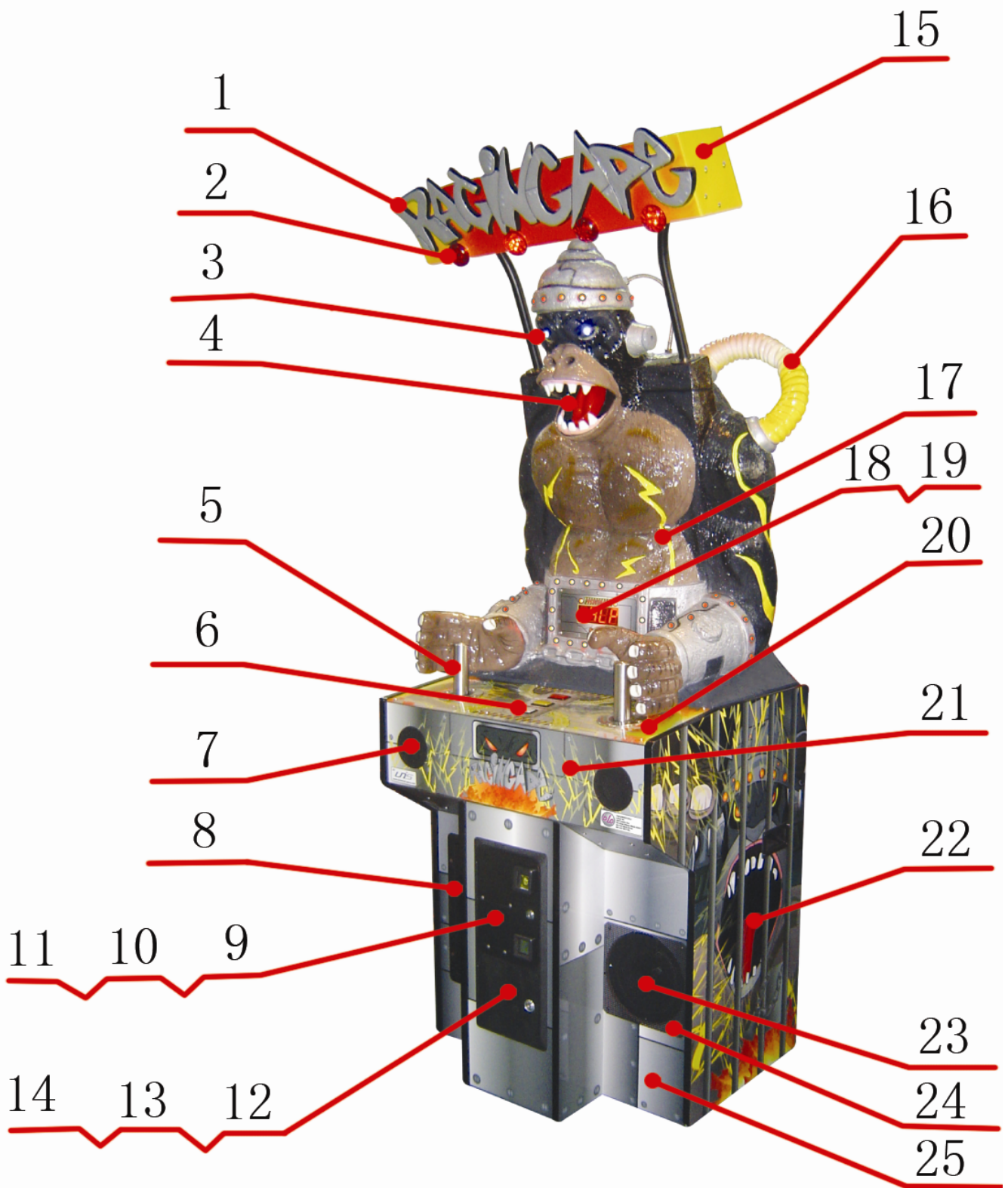
The spill will cause short circuit, and people will be injured by the falling items which also can destroy the machine.

5. Do not place any items or it will cause the temperature to go higher inside.

Or it will cause the temperature higher inside and affect the game even break down the machine.

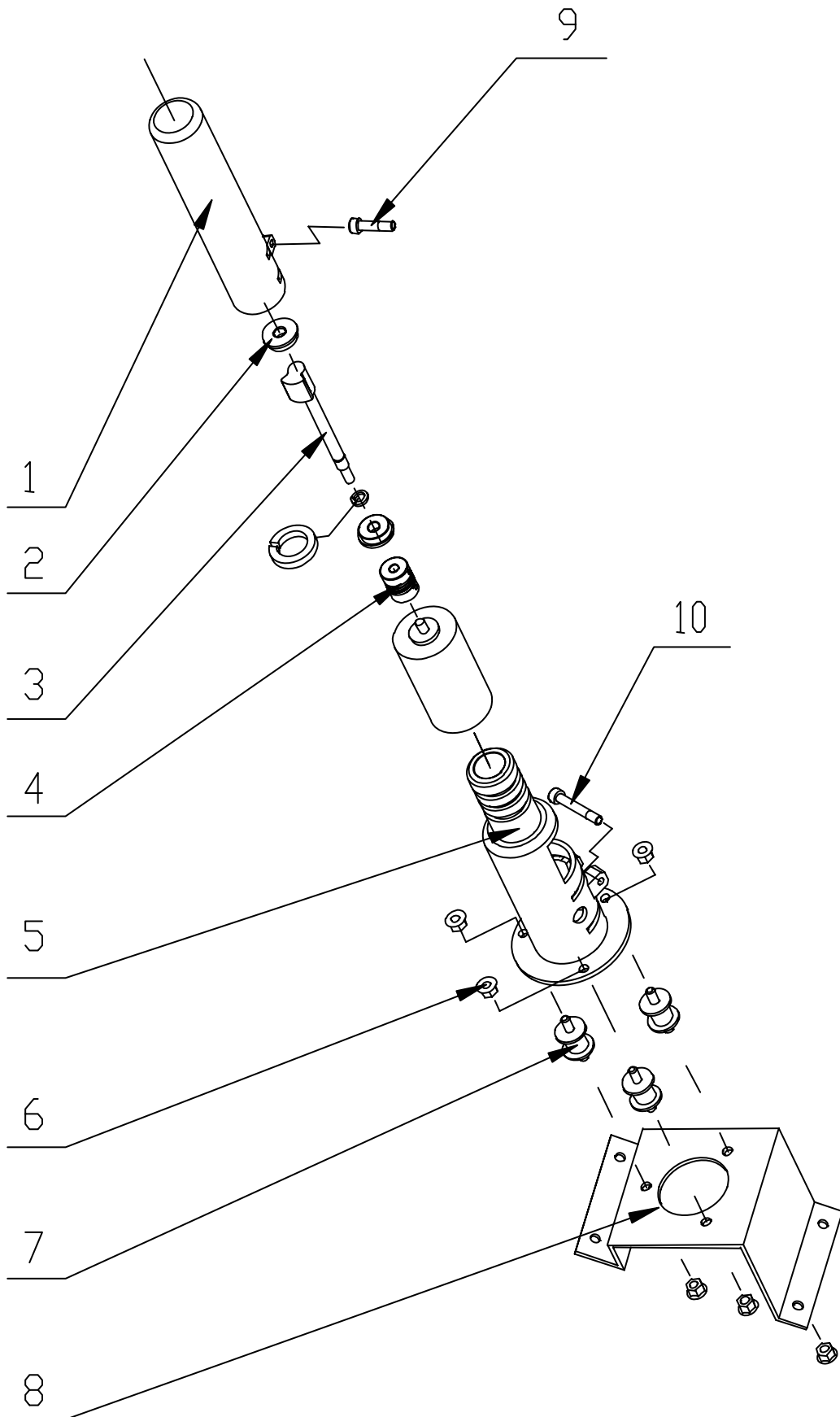
9. Overall construction

1) Overall



NO.	PART NO.	NAME	QTY	SPEC.	NOTE
1	R101-601-000	Fiberglass	1		
2	R101-401-000	Spot lamp 1			
3	R101-402-000	LED lamp		Φ10	
4	R101-602-000	Mist outlet			
5	R101-001-000	Handle	2	Assembly	
6	R101-403-000	Button	3	Red、Yellow、 White	
7	R101-404-000	Speaker	2	MULKA 4Ω/10W	
8	R101-002-000	Ticket door	1	Assembly	
9	R101-003-000	Coin door		Assembly	
10	R101-405-000	Key	4	171	
11	R101-406-000	Coin mech	1		
12	R101-004-000	Cashbox door	1	Assembly	
13	R101-407-000	Key	1	2233	
14	R101-101-000	Cashbox	1		
15	R101-408-000	Spot lamp2			
16	R101-603-000	Decorate	1		
17	R101-604-000	Raging Ape	1	Fiberglass	
18	R101-801-000	LED	1	LED15B4.PCB	
19	R101-701-000	LED graphic	1	255X125 (δ5Clean plastic)	
20	R101-702-000	Console graphic	1	768X264 (δ5 Clean PC)	
21	R101-703-00	Front graphic	1	764X201(where the speaker is)	
22	R101-704-000	Graphic	2	1389X970(Left and Right)	
23	R101-409-000	Subwoofer	1	NR2000, 8", 8Ω/80W	
24	R101-102-000	Speaker net	1	Q235	
25	R101-705-000	Bottom Front Graphic	1	1174X739	

2) Handle assembly



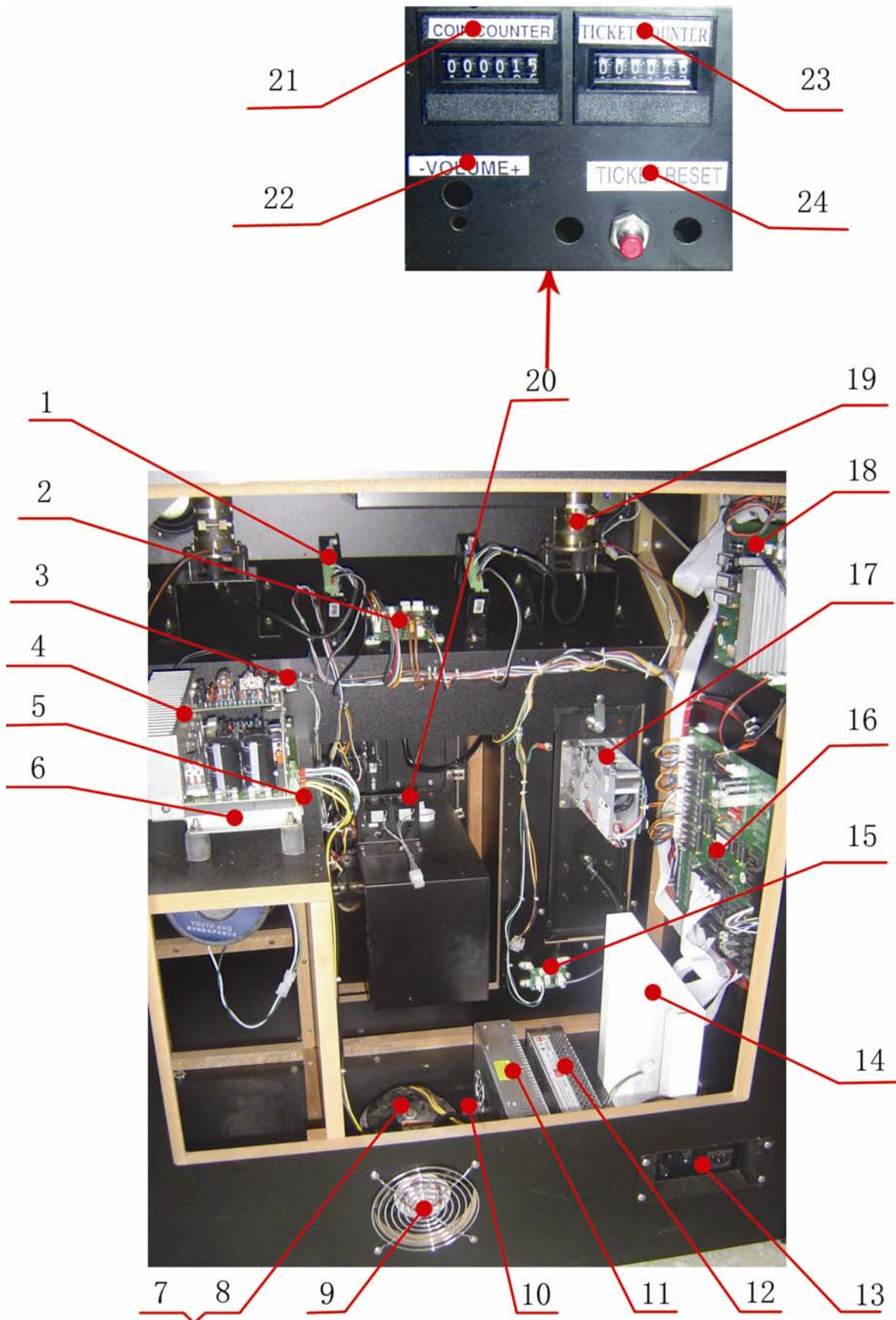
NO.	PART NO.	NAME	QTY	SPEC.	NOTE
1	R101-103-000	Handle	1	Stainless steel	
2	R101-410-000	Bearing	1	608Z	
3	R101-104-000	Eccentricity axis	1	Stainless steel	
4	R101-105-000	Linker	1		
5	R101-106-000	Bracket	1	Q235	
6	R101-301-000	Nut	6	M6	
7	R101-005-000	Shockproof rubber	3	Assembly	
8	R101-107-000	Fixed bracket	1	Q235	
9	R101-302-000	L-wrench	1	M6X30mm	
10	R101-303-000	L-wrench	1	M6X40mm	

Note: This game has two handle mechanisms.

 **WARNING**

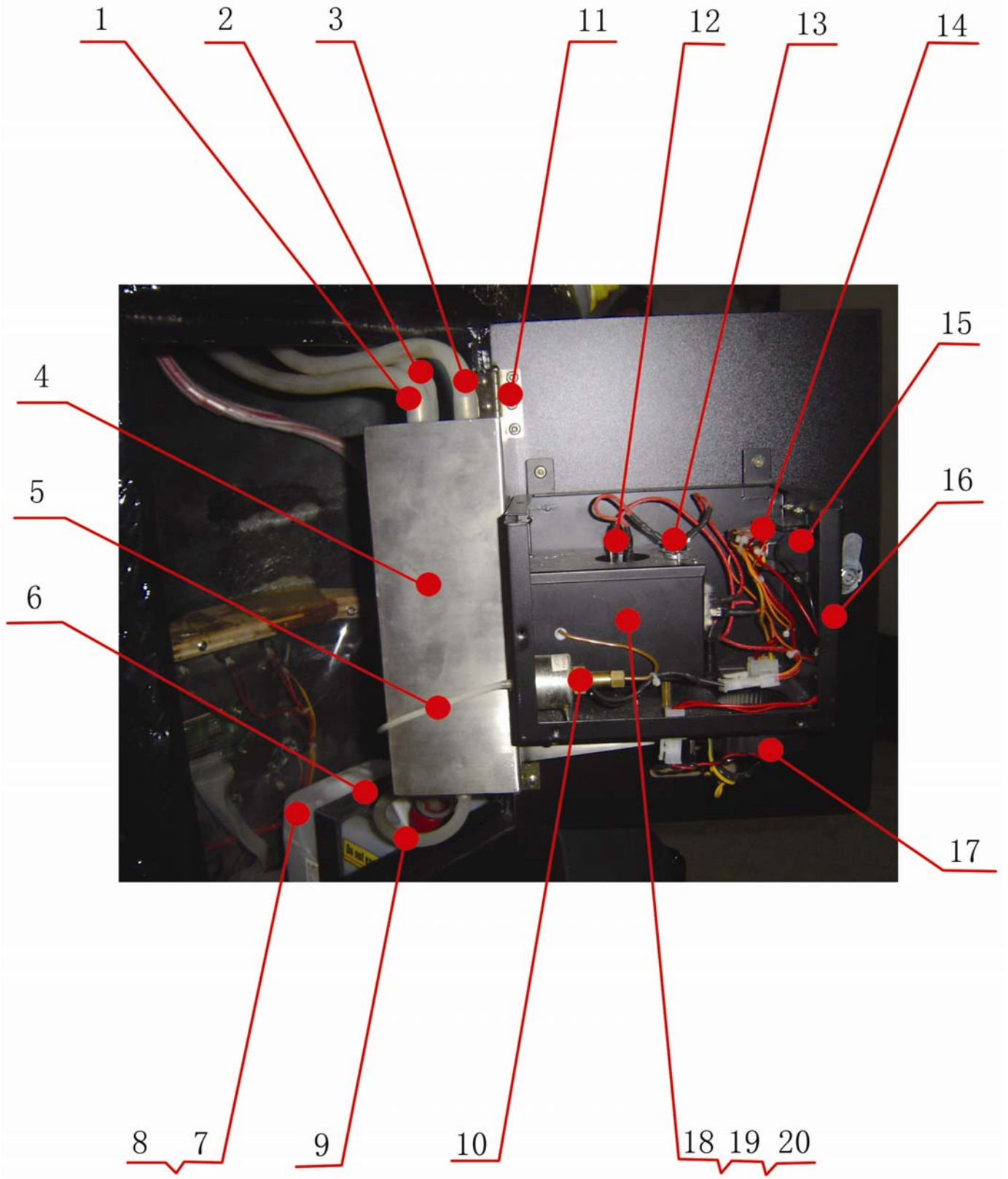
- **Running this mechanism for a long time will create some heat.**
- **Running this mechanism for a long time will create noise from wear and tear.**
- **This mechanism has resonance.**
- **If the noise its too loud, you may need to service the handle.**

3) Electric Part



NO.	PART NO.	NAME	QTY	SPEC.	NOTE
1	R101-411-000	DC Motor Controller	2	LINUX BLP24-90W	
2	R101-802-000	DC Motor IO board	1	Dy1.pcb	
3	R101-412-000	Adjust knob	3		
4	R101-413-000	Power Amplifier	1	B-1-3CH	
5	R101-414-000	Cuprum pole	4	M4 High 12mm	
6	R101-108-000	AMP mounting Bd	1		
7	R101-415-000	Transformer	1	B17482N1	
8	R101-109-000	Transformer mounting Bd	1	Q235	
9	R101-416-000	Fan	1	SP100A	
10	R101-110-000	Power Supply mounting Bd	1		
11	R101-417-000	Power supply	1	EPT-H320S24	
12	R101-418-000	Power supply	1	S-150-12 (12V/12.5A)	
13	R101-006-000	Power box	1	Match 10A/125V Fuse	
14	R101-111-000	Ticket box	1		
15	R101-803-000	Controller for tickets	1	TICK-CH.PCB	
16	R101-804-000	Main board	1	PLAYC8F.PCB	
17	R101-419-000	Ticket dispenser	1	TD-963CR	
18	R101-805-000	Music board	1	SY-MUSIC01.PCB	
19	R101-420-000	Motor	2	45ZWN24-90	
20	R101-007-000	Counter Assy	1	C-012 DC12V	
21	R101-706-000	Coin amount sticker	1	30X6	
22	R101-707-000	Volume sticker	1	30X6	
23	R101-708-000	Ticket amount sticker	1	30X6	
24	R101-709-000	Ticket reset sticker	1	30X6	

4) Smoke System



NO.	PART NO.	NAME	QTY	SPEC.	NOTE
1	R101-421-000	Silica gel tube	1	Φ10 620mm	
2	R101-422-000	Silica gel tube	1	Φ10 550mm	
3	R101-423-000	Silica gel tube	1	Φ10 650mm	
4	R101-112-000	Smoke bottle	1	Stainless steel	
5	R101-424-000	Silica gel tube	1	Φ4.5 800mm	
6	R101-113-000	Bottle fix bracket	1	Q235	
7	R101-425-000	Special fluid bottle	1		
8	R101-426-000	Special liquid	1	TUV250×180×150mm	
9	R101-427-000	Silica gel tube	1	Φ10 Length400mm	
10	R101-428-000	Pump	1	50HZ 30DSB-ZJF	
11	R101-429-000	Junction	2		
12	R101-430-000	Temperature control	1	230°	
13	R101-431-000	Temperature control	1	80°	
14	R101-432-000	Relay	2	T9AP5D52-12, 240V, 20A	
15	R101-433-000	Button	1	Control pump	
16	R101-114-000	Case	1	Q235	
17	R101-434-000	Fan	1	BFB0712H, DC12V, 0.3A	
18	R101-115-000	Packaging shell	1	Q235	
19	R101-435-000	Calorific clump	1	220V 400W	
20	R101-436-000	Heat insulation material	1		