

The following safety precautions are given throughout this manual. They must be strictly followed to protect those who install, use or maintain this product as well as to protect players, visitors and property.

For safty reasons.

• The following suggestions should be adhered to:

WARNING Disregarding could result in serious injury.

ACAUTION

Disregarding could result in injury or product damage.

• The following graphic suggestions describe the types of precautions to be followed.

Indicates a care should be taken.

Indicates a matter which must be performed.

• Precautions to be followed:

 Certain procedures require a qualified in-shop maintenance person or industry specialist. For such instructions, a qualified person must take care of the jobs. Otherwise an electric shock, machine trouble, or a serious accident may result. Replacing the machine parts, inspecting and maintaining the machines, and troubleshooting must be assigned only to a qualified in-shop maintenance person or industry specialist. This booklet gives instructions that hazardous jobs in particular must be handled by an industry specialist. Qualified in-shop maintenance person and industry specialist are defined as follows. 	۱
 Qualified in-shop maintenance person A service staff shall have experience in operations of game machines. The staff shall be responsible for assembly, installation, inspection and maintenance of the machine. 	
 Industry specialist An industry specialist must be engaged in designing, manufacturing, inspecting and servicing amusement machines. He or she must have an education in electrical, electronic and mechanical engineering, and routinely maintain and repair amusement machines. 	

WARNING		A CAUTION
 Be sure to consult an industry specialist when sup, moving or transporting this product. This product should not be set up, moved or transport of the set up, moved of the set up, mo		Be sure to use indoor wiring within the specified voltage requirements. For extension cord, use the specified rating or more.
 When installing this product, set the 4 leg level on the floor and make sure that the product is stably in a horizontal position. Unstable install result in injury or accident. 	s installed ation may	Be sure to use the attached power cord.
 When installing this product, do not apply undur movable parts. Otherwise, injury and accident n or the product may be damaged. 		Never plug more than one cord at a time into the electrical receptacle.
The machine for indoor usage only does not install outside.	\bigcirc	Do not lay the power cord where people walk through.
Do not set the game machine up near emergency exits.	\bigcirc	Be sure to ground this product.
 Protect the game machine from: Rain or moisture. Direct audiabt 	\bigcirc	Do not exert excessive force when moving the machine.
 Direct sunlight. Direct heat from air-conditioning and heating e etc Hazardous flammable substances. Otherwise an accident or malfunction may result 		For proper ventilation, keep the game machine 100mm(4 $^{\prime\prime}$) away from the walls.
Do not place containers holding chemicals or water on or near the game machine.	\bigcirc	Do not alter the system related dipswitch settings.
Do not place objects near the ventilating holes.	\bigcirc	
Do not bend the power cord by force or place heavy objects on it.	\bigcirc	
Never plug or unplug the power cord with wet hands.	\bigcirc	
Never unplug the game machine by pulling the power cord.	\bigcirc	

A WARNING

If there is any abnormality such as smoke, bad smell or abnormal noise being emitted from the machine, immediately turn OFF the main power switch and unplug the power cord from the receptacle to stop operating it.

• Using the machine in abnormal conditions could result in fire or accidents.

In case of abnormality

- 1. Turn OFF the main power switch.
- 2. Unplug the power cord from the receptacle.
- 3. Contact your nearest dealer.

Do not leave the power cord plugged in improperly or covered with dust.

• Doing so could resu t the power cord periodically.

CAUTION

Do not use this product anywhere other than industrial areas.

• Using in a residential area or an area next to a residential area could affect signal reception of radios, television sets, telephones, etc..

- Do not give shock the surface of glass products.
 - Please do not play this game if
 - When you do drinking;
 - When your physical condition is not normal;
 - When you are in pregnancy;
 - When you have on a pulse controller;
 - When you have recently experienced a cramp or fainting away while watching TV.
 - Avoid excessive force/shock while playing/moving the game.
 - While do games, pay attention to surrounding.

Do not plug or unplug the power cord with wet hands.

In handling the power cord, follow the instructions below.

- Do not damage the power cord.
- Do not bend the power cord excessively.
- Do not heat the power cord.
- Do not bind the power cord.
 Do not sandwich the

power cord.

Do not twist the power cord.Do not pull the power

Do not modify the power

cord.

- cord. • Do not stand on the power
- cord.Do not drive a nail into the

power cord.

If the power cord or power plug becomes damaged, stop using the machine immediately and ask your nearest dealer to replace the parts.

A WARNING

Be sure to turn OFF the main power switch and unplug the power cord from the receptacle before inspecting or cleaning the machine.



When replacing parts, be sure to use parts of the correct specifications. Never use parts other than the specified ones.



Opening inside the machine shall be done by machine specialist only as high electric current is being sent inside. For game machine with monitor, a care should be taken while opening its back door. If not, a damage to the inside parts or the monitor may occur.

If the sub power switch of the service panel is turned OFF without turning OFF the main power switch of the power supply unit, some parts in the units remain live. When opening the back door, be sure to turn OFF the main power switch and unplug the power cord from the receptacle.

Strictly refrain from disassembly and repair of parts which are not indicated in this manual, as well as settings and remodeling.



To clean the game machine, wipe it with a soft cloth dampened in a neutral detergent.

- Using thinner of other organic solvent or alcohol may decompose the material.
- Electrical shock or equipment failure could be caused by water entering the inside of the machine.

CAUTION

Components in the game are sensitive to vibrations and impact. Care should be used when moving and transporting the game machine.

Be sure not to let the machine tip over.

Before moving the machine, be sure to turn OFF the main power switch, unplug the power cord from the receptacle and remove the power cord form the machine.

Before moving take the machine, off the levelers and move it on the casters.

Avoid excessive force while moving the machine.

PRECAUTIONS INHANDLING

- When setting up, inspecting, maintaining, moving or transporting this product, follow the procedures and instructions set forth in this manual and perform such work safely.
- Do not set up, handle, inspect, maintain, move or transport this product under conditions equivalent to the condition of "WARNING" or "CAUTION" specified in this manual.
- If a new owner is to have this product as a result of transfer, etc., be sure to give this manual to the new owner.



<u>CONTENTS</u>

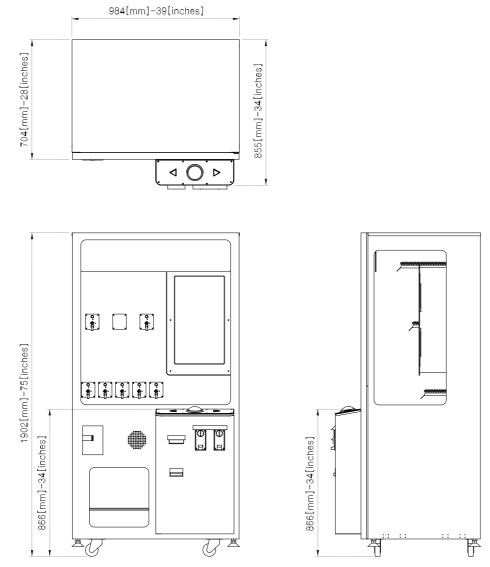
1. Specification and dimension	02
1-1. DIMENSION	02
1-2. SPECIFICATION	02
1-3. NAME OF PARTS	03
1-4. STICKER LOCATION	04
[COMPONENTS]	05
2. INSTALLATION	06
3. How to make a gift	
4. PRODUCT CHARACTER	09
5. HOW TO PLAY	10
6. Setup settings	10
6-1. MACHINE SETUP	10
7. Setup menu	11
7-1. BOOKKEEPING	12
7-2. GAME SETTING	13
7-3. TEST MODE	18
7-4. INIT MODE	21
7-5. MANAGER INCOME CLEAR	22
7-6. ERROR MESSAGE	23
8. HOW TO REPLACE MAJOR COMPONE	NTS24
8-1. REPLACEMENT OF MAIN B	30X24
8-2. REPLACEMENT OF MOTOR	R24
8-3. REPLACEMENT OF IO PCB	25
8-4. REPLACEMENT OF SENSO	R PCB25
8–5. REPLACEMENT OF SPEAK COIN SELECTOR	ER &26
9. HOW TO REPLACE CONSUMABLES	27
9-1. REPLACEMENT OF LAMP	27

10. TROL	JBLESHOOTING	•••••	
10-1	. THE SCREEN IS BLANK W	HEN N	OT28
10-2	. SOUND ERROR		29
10-3	. AC LAMP ERROR		
10-4	. WHEN NO POWER		31
10-5	. COIN SELECTOR ERROR		32
10-6	. BUTTON & COUNTER ERR	OR	33
10-7	WHEN PRESENT, DEFECT		HAUST, 34
11. PAR	r list		35
11-1	. EXPLODED VIEW		
11-2	. LIST		36
11-3	. PICTURE		37

12. WIRING DIAGRAM

1. SPECIFICATION AND DIMENSION

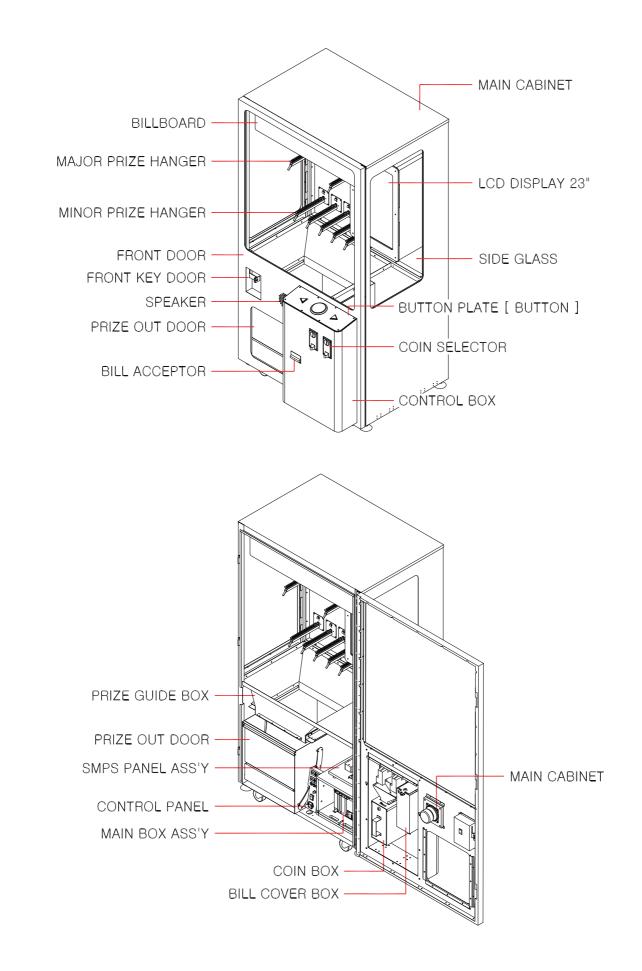
1-1. DIMENSION



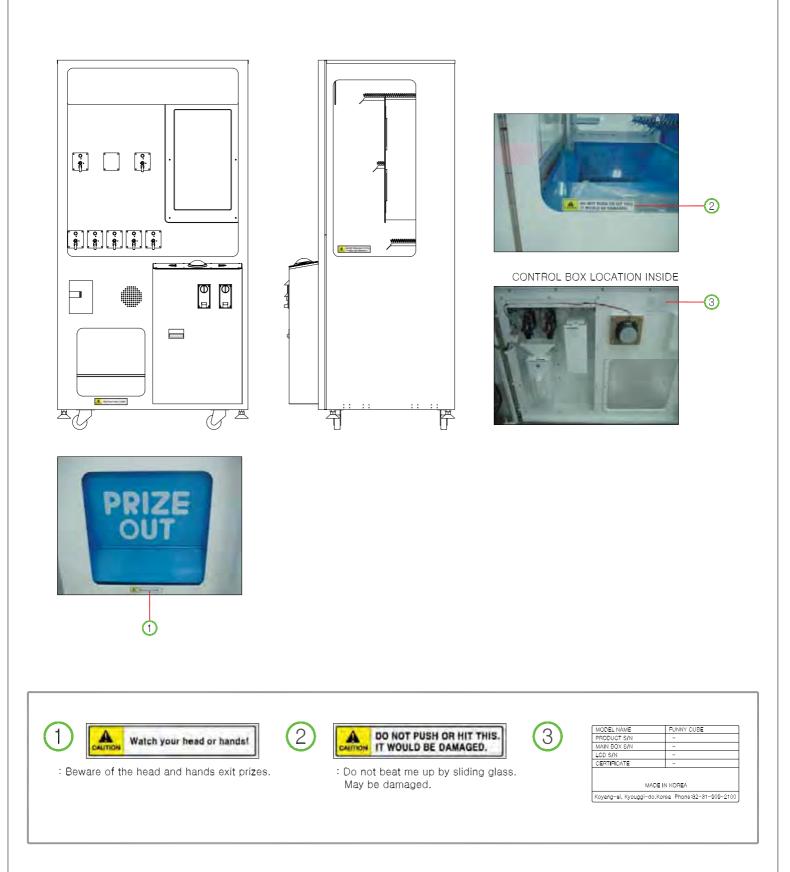
1-2. SPECIFICATION

DIMENSION (W x D x H)	984 x 855 x 1902 (mm)			
PACKING DIMENSION (W x D x H)	1140 x 790 x 2150 (mm)			
WEIGHT (kg)	225 kg [WEIGHT INCLUDING PACKAGING : 260 kg]			
VOLTAGE	AC 110V AC 220V			
FREQUENCY RANGE	50 ~	~ 60 H z		
CONSUMPTION	40	00 W		

1-3. NAME OF PARTS



1-4. STICKER LOCATION

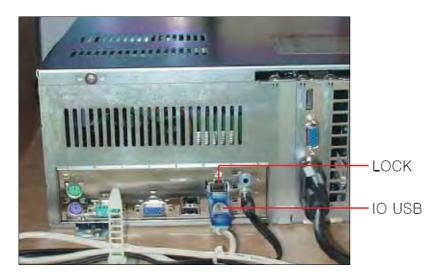


COMPONENTS

NO.	PART NAME	SPEC.	QTY
1	AC POWER CORD	110V or 220V	1
2	KEY	6001	2
3	WRENCH	3mm	1
4	WRENCH	2mm	1
5	BOLT	M6x16L of	10
6	MANUAL	-	1

[WARNING]

Please make sure LOCK and IO USB should be put in right place as following picture. It may lead malfunction of machine in case it's located in wrong place.



1600mm

PLAY ZONE + MAINTENANCE ZONE

1500mm

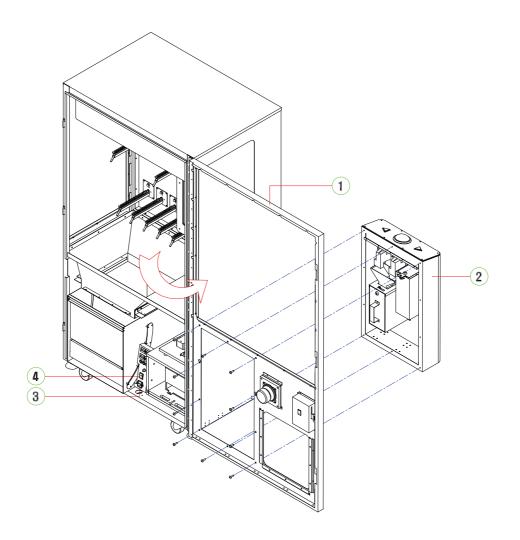
2. INSTALLATION

1-1. INSTALLATION SPACE

Please make sure to reserve installation space as following.
 Game play AREA : more than 1500mm
 Maintenance AREA : more than 1600mm

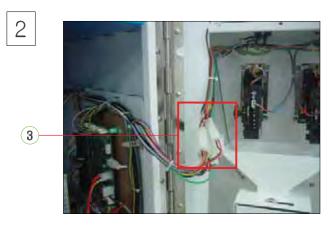
1-1. HOW TO INSTALL

- A broad description of the installation is shown in the following figure.

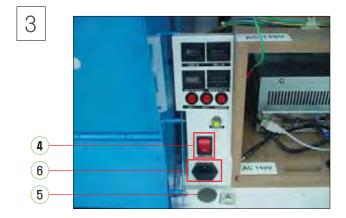




- 1) Please open front door.
- 2) Assemble bolts in the mid-point of (1) CONTROL BOX (2) [M6 bolt : 10ea] - Refer to Pic.10
- Please hang the case on the bolts, and then tighten up bolts from inside.



4) After assembling, (3) connect cables from CABINET and CONTROL PANEL .



5) After connect (5) AC POWER CODE in (6) AC SOCKET, Turn on (4) POWER S/W IN CONTROL PANEL.

4



6) Close the door.

3. HOW TO DISPLAY PRIZES



2



- Open the door.



- After you select a gift giveaways that hook, straps, tie Enclose the prizes.
 [At this point the length of the strap goes into the three fingers The length of the recommended level.]
- * Presents the horizontal size of the height of 2cm x 2cm x 2cm vertical or more.
 [If the size of prizes given away sensors can not detect.]



Place prizes on prize hangers with certain distance between prizes.

* CAUTION

- This product giveaways prizes of less than ten thousand 5pound hook into them is a mistake.

4. GAME CHARACTERISTICS

4-1. SIMPLE TO UNDERSTAND AND EASY TO PLAY

- Player needs to drop rings one after the other from swinging arm by pressing SRART/DROP button.

4-2. PAYOUT STABILITY IS ATTAINED BY USING OUR SYSTEM

- Video game-specific probability of stable control, and operation of the game We've got grave.

4-3. HIGH QUALITY GRAPHIC AND CHARISMATIC DESIGN

- Advanced technology system is used in designing this game.

We use Physx 3D physical engine from NVIDIA and apply full screed with HD resolution.

4-4. BIG & HIGH VALUE PRIZES CAN BE USED IN THE GAME

- Prize hanger is detachable which allows prize sizes up to 320mm box.

5. HOW TO PLAY

- 1) When you insert coins and bills that the game is played.
- 2) Press the START/DROP button to drop rings from the swinging arm.
- 3) Players can choose to accept a minor prize at the successful dropping of 7th ring around the poll or continue pitting skills to win a major prize at the successful drop of the 10th ring.



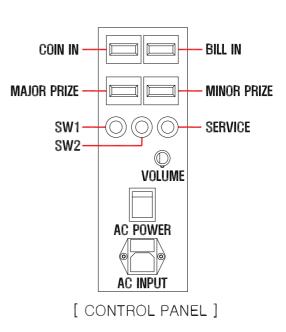
6. SETUP SETTINGS

6-1. SETUP MENU

(1) HOW TO ENTER SETUP MENU

1 There is "Control panel" inside cabinet. User may set any setting using following functions.







[BUTTON DESCRIPTION]

- 1) **SW1** : "Setup mode" button and "Up" button.
- 2) **SW2** : "Down" button.
- 3) **SERVICE** : "Select" button.

To Purchase This Item, Please Visit : BMIGaming.com | Call Global Sales : + 561.391.7200 | USA / CA : (800) 746-2255

7. SETUP MENU

Select your own settings on installation of the game.

Press SW1 Button to enter setup mode.

SETUP MODE > MODE > MANAGER INCOME CLEAR EXIT 	< SETUP MODE > Shows income status, make change to game settings, initialization and machine test.
< BRORTCUT VIEW >	< SHORTCUT VIEW > It displays In-Out status briefly.
MANAGEN MERCHAR Coin In0 Prize Out (Major)0 Prize Out (Minor)0 TOTAL MERCHAR Total Coin In0	 MANAGER INCOME - In addition to the administrator of a comprehensive information BOOKKEEPIN After initialization, you can see the cumulative Income Information Can.
Total Prize Out (Major)0 Total Prize Out (Minor)0	- Prize Out (Major) Major prizes went the We - Prize Out(Minor) Minor prizes went the We
	2. TOTAL INCOME - Total up to date income status.
[tip : MW1] [Down : MW2] [Maloot : Barvico]	

To Purchase This Item, Please Visit : BMIGaming.com | Call Global Sales : + 561.391.7200 | USA / CA : (800) 746-2255

7-1. BOOKKEEPING

It shows accumulated income status and comprehensive income information.

1. BOOKKEEPING	
1-1) MANAGER INCOME Coins In0	1-1) It displays information after initialized by manager.
Service In0 Prize Out (Major)0	by manager.
Prize Out (Minor)0	
1-2) TOTAL MCOME Total Coins In0 Total Service In0 Total Prize Out (Major)0 Total Prize Out (Minor)0	1-2) It shows the number of coin/s and service play/s from the set up time of the machine.
1-3) GAMES PLAYED Games Played0 Total Games Played0	1−3) It displays the number of play/s after 3 the game was initialized.
1-4) GAME INSTORY Last Game Played (1st~ 10th) 1st_2nd_3rd_4th_5th_6th_7th_8th_9th_10th	1-4) Up to 10 previous play results are kept in the bookkeeping.
00_0_0_0_0_0_0_0_0 Total Result (1 Level ~ 10 Level) 1v_ 2v_ 3v_ 4v_ 5v_ 6v_ 7v_ 8v_ 9v_ 10v	 1st is the newest one. The number indicates the stage player achieved.
0_0_0_0_0_0_0_0	(EX) When it is marked "7", it means player won minor prize or failed at 8 th stage. When it is marked "10", it means player won Major prize.
[Exit : Service Batton]	

Total Result : It shows the number of total plays. Manager may check players' average playing skill.

7-2. GAME SETTING

Press "Service Button" to access game setting as shown below :



- 2-1) GAME COST Cost per credit/play
- 2-2) **DIFFICULTY (Major Prize) -**You may set difficulty payout level for a Major prize.
- 2-3) **DIFFICULTY (Minor Prize) -**You may set difficulty payout level for a Minor prize.
- 2-4) **DIFFICULTY (Game Speed) -**You may set game speed.
- 2-5) **DEMO SOUND -** It is possible to turn ON or OFF the DEMO SOUND or have DEMO SOUND come out once per two to five demo plays by setting number of cycle.
- 2-6) **RANDOM TYPE -** This is related with DIFFICULTY LEVEL 2-2 and 2-3.
 - Type A, player win randomly within the set number of plays.
 - Type B, player may win around the set number of plays.
- 2-7) **DROP TIME -** Possible to set time limit to drop a ring.

2-8) BILL TO COIN NUMBER -

Set accordingly to the currency in your country. Set the number of coins per a bill to be used.

For example : in USA, a one doller bill has the same value with four a quarter coins, BILL TO COIN NUMBER is 4.

2-9) PRIZE HANGER SETTING -

Select major prize hangers to be used. In USA version, we use four hangers as a default setting.

- (1, 3, 4, 6 major hangers)
- 2-10) **DEFAULT SETTING -** You can go back to factory default setting by selecting menu.
- 2-11) Don't Save and Exit.
- 2-12) Save and Exit.

2-1) GAME COST

2-2) DEFFICULTY (Major Prize)

-	_	(2 - 2) Difficulty (Major Prize)	
1	=	Easiest (1 Win in 20 Games)	
2	=	Very Easy (1 Win in 30 Games)	
3	=	Easy (1 Win in 40 Games)	
4	=	Easy to Medium (1 Win in 50 Games)	
5	=	Easy to Medium (1 Win in 50 Games) Medium (1 Win in 100 Games)	
6	=	Medium to Hard (1 Win in 200 Games)	
7	=	Hard (1 Win in 300 Games)	
8	=	Very Hard (1 Win in 400 Games)	
		Very, Very Hard (1 Win in 600 Games)	
		Hardest 1 (1 Win in 800 Games)	
		Hardest 2 (1 Win in 1000 Games)	
		Hardest 3 (1 Win in 1500 Games)	
13	-	Hardest 4 (1 Win in 2000 Games)	

- Please see the detailed game cost settings on page 15.

Setting 1, 6, 11 and 18~24 are STANDARD. Setting $2\sim5$, $7\sim10$, $12\sim17$ can be used for events or to encourage players to insert dollar bils to play more by giving additional bonus play. In USA, quarter coins and one doller bills, we set BILL TO COIN NUMBERS 4 so in the cost setting table settings 4, 8 and 12 can be used.

For example, if we use setting 8 the table says:

 $8 = 2 \text{ coins 1 play} \sim 4 \text{ coins 3 play [BILL]}$ FOR COINS FOR BILLS

There are two setting explanations before and after ' \sim ' the explanation before ' \sim ' is for coins and the second explanation after ' \sim ' is for bills.

If **player** inserts 2 coins then the game gives 1 play chance.

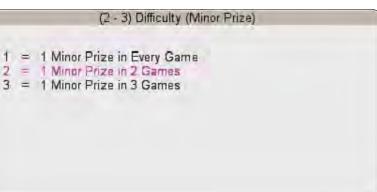
If player inserts 1 a dollar bill then the game gives 3 play chances

- You may set major difficulty.

(EX) 1 Win in **1000** Games :

Player may win major prize around every 1000 plays.

2-3) DEFFICULTY (Minor Prize)



- You may set minor difficulty.

(EX) 1 Minor Prize in 2 GAMES :

Player may win minor prize in about 2 plays.

[2–1) More information about GAME COST]

	ITEM	[BIII] SETTING DESCRIPTION	REMARKS
1	1 = 1 Coin 1Play		STANDARD SETTING
2	2 = 1 Coin 1Play ~ 2 Coin(s) 3Play(s) [BILL]	Set with 1Bill = 2Coins : It gives 3 Credits in case a 1bill is inserted.	Settings 2~5, 7~10, 12~17 can be used ONLY for BILL users.
3	3 = 1 Coin 1Play ~ 3 Coin(s) 4Play(s) [BILL]	Set with 1Bill = 3 Coins : It gives 4 Credits in case a 1bill is inserted.	For events or to encourage players who inserts dollar bills to play more by giving additional
4	4 = 1 Coin 1Play ~ 4 Coin(s) 5Play(s) [BILL]	Set with 1Bill = 4 Coins : It gives 5 Credits in case a 1bill is inserted.	bonus play.
5	5 = 1 Coin 1Play ~ 5 Coin(s) 6Play(s) [BILL]	Set with 1Bill = 5 Coins : It gives 6 Credits in case a 1bill is inserted.	
6	6 = 2 Coin 1Play	-	STANDARD SETTING
7	7 = 2 Coin 1Play ~ 3 Coin(s) 2Play(s) [BILL]	Set with 1Bill = 3 Coins : It gives 2 Credits in case a 1bill is inserted.	Settings 2~5, 7~10, 12~17 can be used ONLY for BILL users.
8	8 = 2 Coin 1Play ~ 4 Coin(s) 3Play(s) [BILL]	Set with 1Bill = 4 Coins : It gives 3 Credits in case a 1bill is inserted.	For events or to encourage players who inserts dollar bills to play more by giving additional
9	9 = 2 Coin 1Play ~ 5 Coin(s) 3Play(s) [BILL]	Set with 1Bill = 5 Coins : It gives 3 Credits in case a 1bill is inserted.	bonus play.
10	10 = 2 Coin 1Play ~ 6 Coin(s) 4Play(s) [BILL]	Set with 1Bill = 6 Coins : It gives 4 Credits in case a 1bill is inserted.	
11	11 = 3 Coin 1Play	-	STANDARD SETTING
12	12 = 3 Coin 1Play ~ 4 Coin(s) 2Play(s) [BILL]	Set with 1Bill = 4 Coins : It gives 2 Credits in case a 1bill is inserted.	Settings 2~5, 7~10, 12~17 can be used ONLY for BILL users.
13	13 = 3 Coin 1Play ~ 5 Coin(s) 2Play(s) [BILL]	Set with 1Bill = 5 Coins : It gives 2 Credits in case a 1bill is inserted.	For events or to encourage players who inserts dollar bills to play more by giving additional
14	14 = 3 Coin 1Play ~ 6 Coin(s) 3Play(s) [BILL]	Set with 1Bill = 6 Coins : It gives 3 Credits in case a 1bill is inserted.	bonus play.
15	15 = 3 Coin 1Play ~ 7 Coin(s) 3Play(s) [BILL]	Set with 1Bill = 7 Coins : It gives 3 Credits in case a 1bill is inserted.	
16	16 = 3 Coin 1Play ~ 8 Coin(s) 3Play(s) [BILL]	Set with 1Bill = 8 Coins : It gives 3 Credits in case a 1bill is inserted.	
17	17 = 3 Coin 1Play ~ 9 Coin(s) 4Play(s) [BILL]	Set with 1Bill = 9 Coins : It gives 4 Credits in case a 1bill is inserted.	
18	18 = 4 Coin 1Play	-	STANDARD SETTING
19	19 = 5 Coin 1Play		STANDARD SETTING
20	20 = 6 Coin 1Play	-	STANDARD SETTING
21	21 = 7 Coin 1Play	-	STANDARD SETTING
22	22 = 8 Coin 1Play	-	STANDARD SETTING
23	23 = 9 Coin 1Play	-	STANDARD SETTING
24	24 = 10 Coin 1Play	-	STANDARD SETTING
25	25 = FREE GAME	-	Free play

2-4) DEFFICULTY (Game Speed)

-			(2 - 4) D	ifficulty	y (Gam	e Spee	ed)	
12545	1.1.1	Level Level Level Level Level	2 3 4						

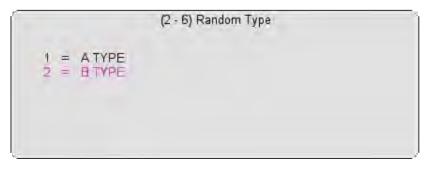
- The level gets higher, the game speed gets faster, and rings get smaller and smaller in size.

2-5) DEMO SOUND

-	(2 - 5) Demo Sound	
1 = OFF 2 = ANY TIME 3 = 2 GYCLE 4 = 3 GYCLE 5 = 4 GYCLE 6 = 5 GYCLE		

- You may turn on/off demo sound and choose demo sound cycle time.

2-6) RANDOM TYPE



- (EX) If difficulty is set to 1 (the easiest)

In type A : Player will win a prize any time within 20 plays. In type B : Player will win a prize around 20 plays. (B type setting is recommended) 2-7) DROP TIME

1 = 10 SEC 2 = 15 SEC 3 = 20 SEC			(2 - 7) Drop Time	
4 = 25 SEC 5 = 30 SEC 6 = FREE	3 4 5	= 15 SEC = 20 SEC = 25 SEC = 30 SEC		

- Ring drop time is adjustable.

- 2-8) BILL TO COIN NUMBER
- : According to the currency in your country, it is needed to set the number of coins per a bill to be used. In USA, one dollar bill has the same value with four a quarter coins, BILL TO COIN NUMBER is set to "4"

2-9) PRIZE HANGER SETTING

(2	- 9) Prize Hanger Set	ting
Major 1	Major 2	Major 3
ON	ON	ON
Major 4	Major 5	Major 6
ON	ON	ON
Exit		

Select major prize hangers to be used.
For example, on this picture showing USA default setting, we use four hangers as default setting (1, 3, 4, 6 major hangers).
It is possible to remove hangers # 4, 5, 6 and use three major prize hangers #1, 2, 3 for big size prizes.

2-10) DEFAULT SETTING

: Back to factory settings.

2-11) DON'T SAVE EXIT

2-12) SAVE & EXIT

To Purchase This Item, Please Visit : BMIGaming.com | Call Global Sales : + 561.391.7200 | USA / CA : (800) 746-2255

7-3. TEST MODE

It tests various components of machine.

3. TEST MODE 3-1) MACHINE TEST 3-1) In machine test mode, you may check the performance of lamps, 3-2) SOUND TEST prize hangers, buttons, counters, sensors, coin-mechs and bill acceptor. 3-3) DISPLAY TEST 3-4) EXIT 3-2) It plays BGM, sound of winning celebrations. 3-3) It checks monitor status.

[Up : SW1] [Down : SW2] [Soloct : Service]

3-1) MACHINE TEST

S-1)	MAC	ENE 1	E	8T	
	milte	LANP	a	PORWAITTY.	i
	PRIZE	LAMP	å	HANGER	2

PRIZE LAMP & HANGER_S PRIZE LAMP & HANGER 4

- PRIZE LAMP & HANGER_5
- PRIZE LAMP & HANGER_B
- PRIZE LAMP & HANGER_7
- PRIZE LAMP & HANGER_B
- PRIZE LAMP & HANGER_9
- PRIZE LAMP & HANGER_10
- PRIZE LAMP & HANGER_11
- COUNTER_1
- COUNTER_2
- COUNTER_S

BILL

EXIT

- GOUNTER_S
- COUNTER_4
 - SENSOR_STATE ____OFF
 BUTTON LAMP & STATE 1

BUTTON LAMP & STATE_2

BUTTON LAMP & STATES

PRIZE HANGER ENDLESS LOOP (SENSING)

OFF

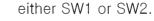
OFF

OFF

 Use SW1 to enter SETUP MODE.
 Use SW2 to move selection forward, select **TEST MODE** and press **SERVICE** button.

Select **3-1**) **MACHINE TEST** and press **SERVICE** button.

- PRIZE LAMP & HANGER 1~11
 Use SW1 and SW2 buttons, move to
 the PRIZE LAMP & HANGER up or down.
 When ready to TEST press SERVICE button.
 The selected PRIZE LAMP & HANGER
 will start tunning and the lamp will turn ON
 (red color). if this is successful then it's
 working correctly.
- Press the Service button once again to stop PRIZE LAMP & HANGER rotation and to turn OFF the lamp. Move on to the next test by pressing





- COUNTER 1~4

Use SW1 or SW2 to select COUNTER # you want to test. Then press Service Button.



* PRIZE HANGER POSITION



* MECHANICAL COUNTERS CAN NOT BE RESET BACK TO "0"

 If the counter increases by one the counter is working correctly.

The counter number increases only once and does not go up continuously even though you press again.

SENSOR STATUS
 Use SW1 or SW2 to select
 SENSOR_STATE____OFF

Block the sensors in the prize chute by using any object or your hand. If **SENSOR_STATE___OFF** changes to "ON" then sensors are working correctly.

- BUTTON LAMP & STATE

Press each play button to see if it works correctly. When a button is pressed the STATE changes from OFF to ON. For Example : Press Major Button and on the Screen **BUTTON LAMP & STATE_1** will change from "OFF" to "ON". (see pictures)

- BILL & COIN

Use SW1 or SW2 to select next test mode. Select BILL or COIN Insert coins or bills to see if the coin selector and bill acceptors are working correctly. You can see the numbers of coins/bills on the screen.

- PRIZE HANGER ENDLESS LOOP

Use SW1 or SW2. Select PRIZE HANGER ENDLESS LOOP (SENSING)____0.

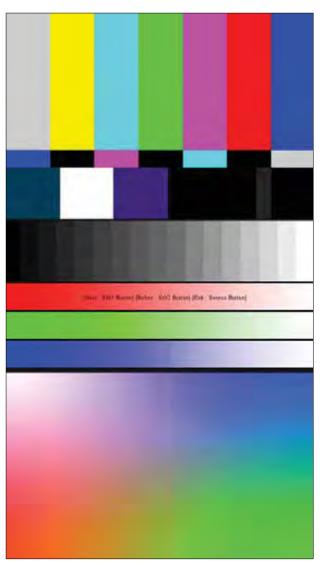
Press SERVICE button to start an automatic checking sequence of all prize hangers. It will start from Prize hanger number 1 and it will run for 25 seconds per hanger. To stop checking sequence, press SERVICE button.

You will see total number of prizes out during the sequence on the screen.

3-2) SOUND TEST

3-	2) SOUND TEST
	SOUND NOTBGM
	SOUND #02DEMO
	SOUND #03COIN
	SOUND #04MAJOR WIN
	SOUND #05MINOR WIN
	EXIT

3-3) DISPLAY TEST



7-4. INIT MODE

Current remaining credits can be initialized.

Because a significant portion of the initialization part will be asked to confirm. Questions are chosen based on:

	CREDIT CLEAR		
4-2)	EXIT		
	I Yes SWI Button	No Service Button	
	_		
		stiz] [Salact :	

7-5. MANAGER INCOME CLEAR

MANAGER INCOME information is initialized. Administrators from the time of initializing the initialization until the Coin in, Prize Out to accumulate information.

In addition to comprehensive information by the administrator wants to separate out Income should be used if there is time.

	BOOKKEEPING
	GAME SETTING
	TEST MODE
	INITIALIZATION
	MANAGER INCOME CLEAR
	EXIT
	(Yes: SWI Button) (No. Service Batton)
525	WARRANGE BRETAR
	Coin In0 Prize Out (Major)0 Prize Out (Minor)0 Total Coin In0
	Coin In0 Prize Out (Major)0 Prize Out (Minor)0 TOTAL (ECOME

7-6. ERROR MESSAGE

- 1) **LOCK CHECK FAILED**!!! [Drop button does not work when this error message appear on the screed]
 - : Please make sure USB lock(BLUE) is inserted firmly and re-boot the system.
 - : It may occur when it does not match between Game Version and USB lock version : we have several game version depend on language.
- 2) **PRIZE SENSOR BLOCKED or PRIZE SENSOR FAULTY** [This error message appear with error sound]



- : Please remove any object around sensors.
- : Please check and make sure whether USB connector from Main board & I/O board is inserted stably.
- : Please make sure cables from sensors and connector to I/O board are placed without mistake.

3) I/O COMMUNICATION ERROR Error :



: Please make sure USB connector from Main Box & I/O board is inserted stably and check LED on I/O board [One should be lit on and another one blink once a second]

* If the above check for the error message disappears.

4) Credit Limit

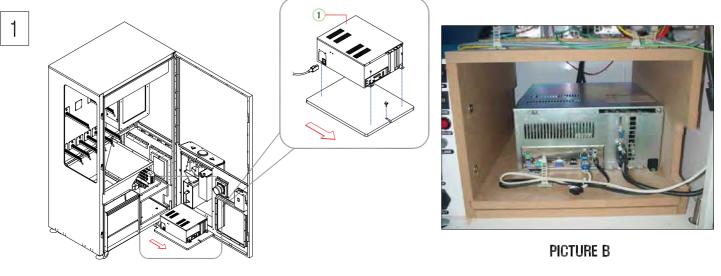
We have a credit limitation for safety.
In case the number of credit comes to 21, "Credit limit" message appear on the screen and whole input signals are blocked [Drop button, Bill(coin) acceptor]
In order to clear this error, please initialize credit at 4-1) CREDIT Clear in Setup mode.

Credit Limit

: In case this error message occur continuously. Please contact Our C/S tesm as I/O board may get damaged.

8. HOW TO CHANGE PARTS

8-1. MAIN BOX

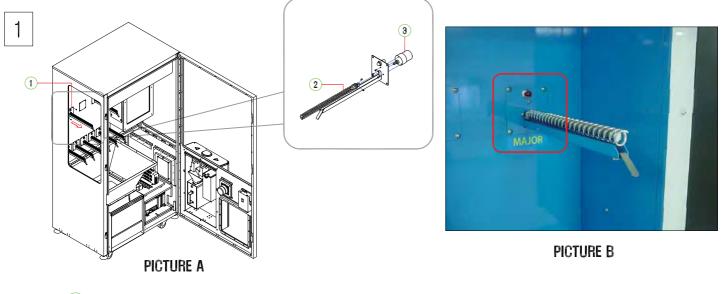


PICTURE A

- (1) You may find (1)MAIN BOX when you open the front door.
- (2) Disassemble MAIN BOX panel after disconnecting connector from MAIN BOX. [M4 Bolt, 4ea]

NÔ.	PART NAME	SPEC.	CODE NO.
1	MAIN BOX ASS'Y	-	-

8-2. MOTOR



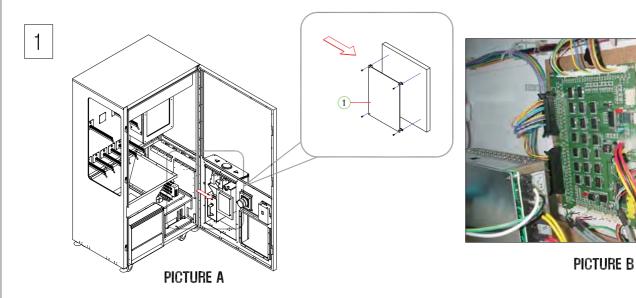
(1) (1) After removing PRIZE HANGER, [M4 Bolts, 4ea] Remove the connectors attached.

(2) (2) After separating PRIZE HANGER SPRING, (3) MOTOR, replace it.

[M4 Set screw, 2ea] [M3 Bolt, 3ea]

NÔ.	PART NAME	SPEC.	CODE NO.
3	DC MOTOR	KGC_210_3429C	MHAM0MOT001

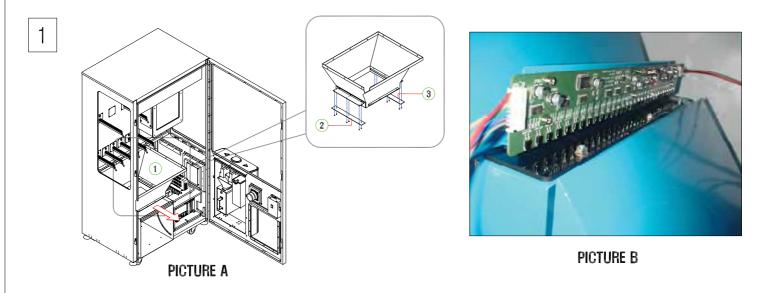
8-3. 10 PCB



- (1) You may find \bigcirc IO PCB ASS'Y inside of front door (Please refer to Pic "A")
- (2) Please change IO PCB ass'y after disconnecting connector.
 - [M3 Bolt, 4ea]

NÔ.	PART NAME	SPEC.	CODE NO.
1	IO PCB ASS'Y	-	AFCU0PCB003

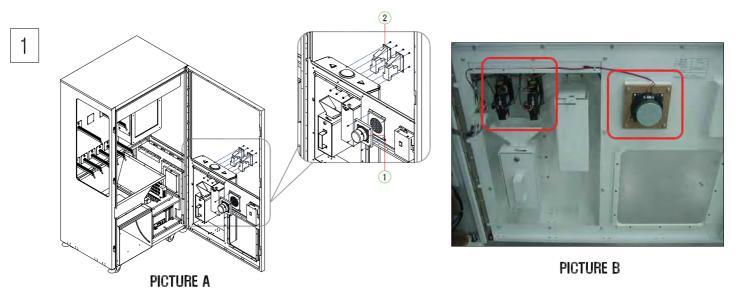
8-4. SENSOR PCB



- (1) Please disassemble Prize guide parts after disconnecting connectors from (1)SENSOR PCB.
- (2) (2) (2) Replace SENSOR PCB ASS'Y.
 - [M3 Bolt, 12ea]

NÔ.	PART NAME	SPEC.	CODE NO.
2	SENSOR PCB ASS'Y	EMITTING	AFCU0PCB001
3	SENSOR PCB ASS'Y	RECEIVER	AFCU0PCB002

8-5. SPEAKER & COIN SELECTOR



- (1) There is fixing hole for 1 SPEAKER and 2 COIN SELECTOR inside of control panel case.
- (2) You may replace them after disconnecting connector.

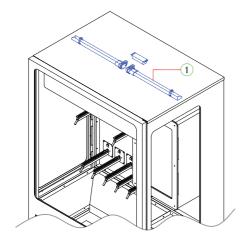
[COIN SELECTOR : M6 Bolt x 4ea, NUT / SPEAKER : M4 Bolt x 4ea]

NÔ.	PART NAME	SPEC.	CODE NO.
2	SPEAKER	MID 4.5"+TW1/2 8Ω	MZZZ0SPE021
3	COIN SELECTOR	TW-100B	MZZZ0COS029

9. HOW TO REPLACE CONSUMABLES

9-1. REPLACEMENT OF LAMP

1





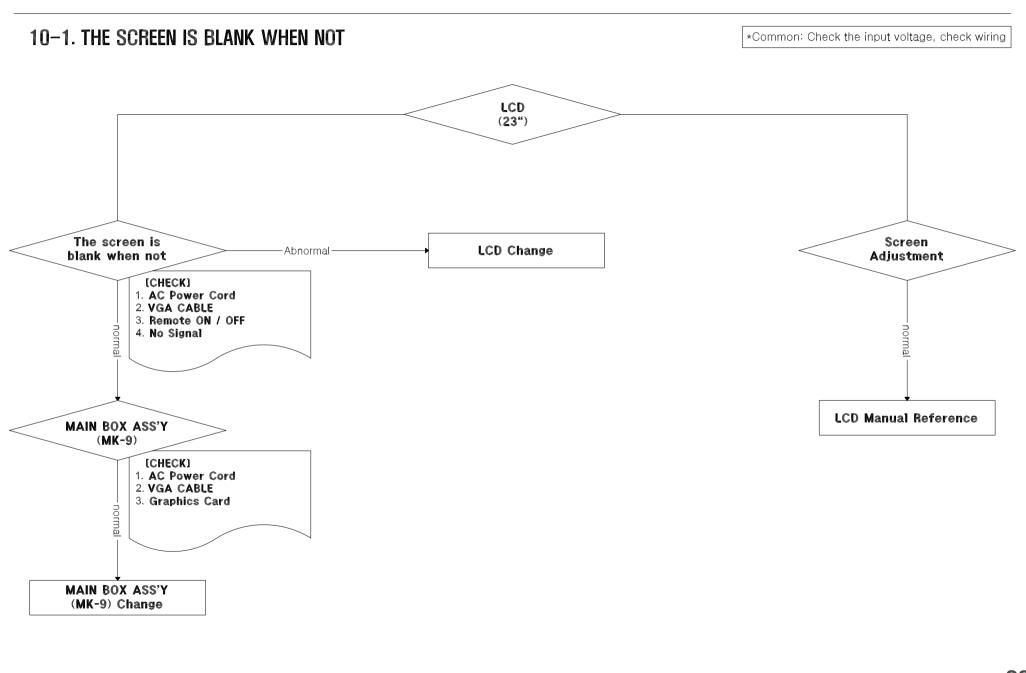
PICTURE B

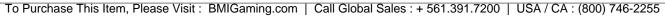


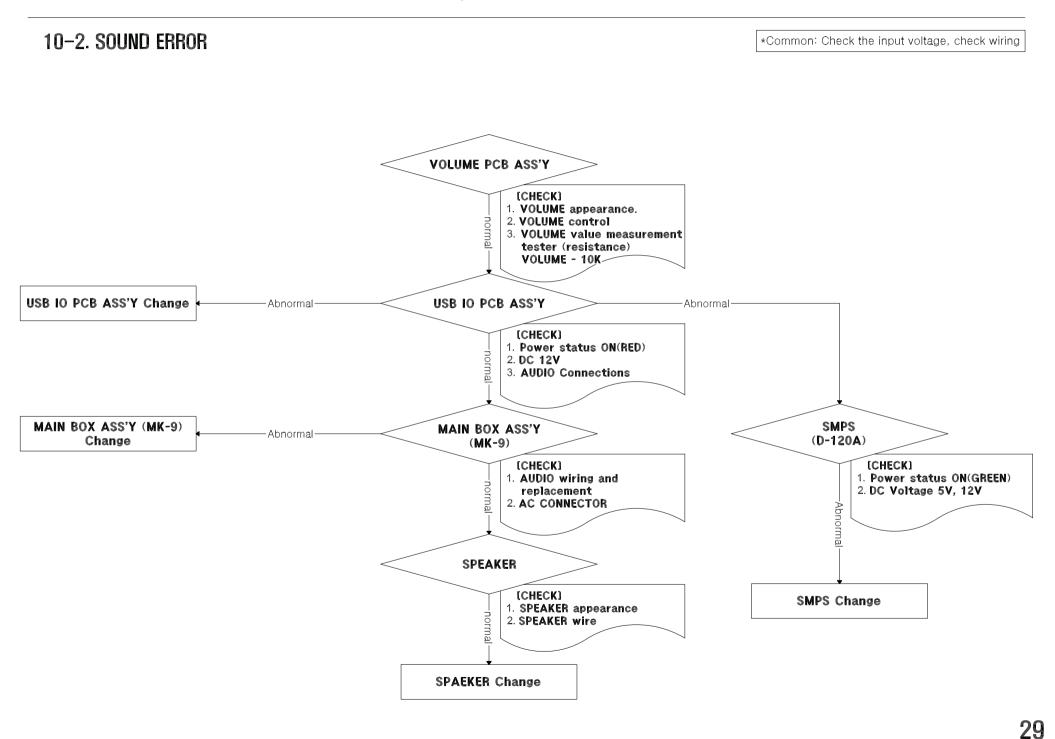
- (1) As shown in Figure A has a unit inside the case at the top of the LAMP. (1)
- (2) Turn the power off, unplug the connectors, LAMP, replace it.

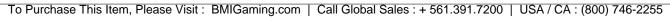
NÔ.	PART NAME	SPEC.	CODE NO.
1	LAMP	FPL36W WHITE	MELE0LAM028

10. TROUBLESHOOTING

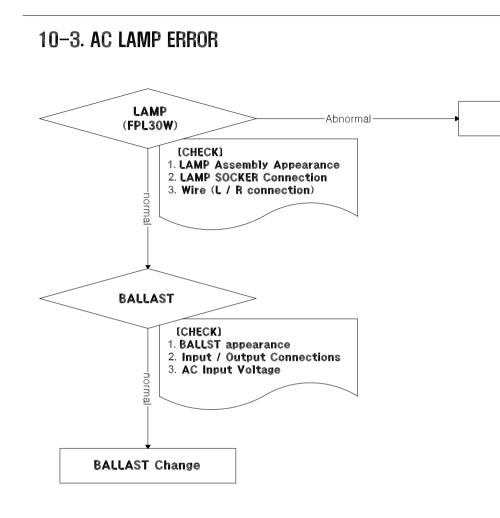




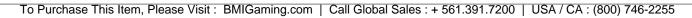


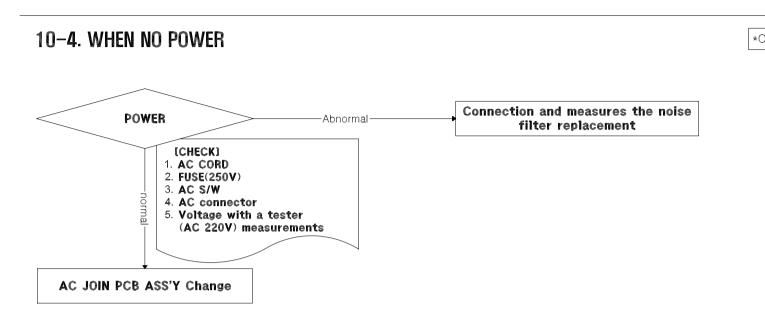


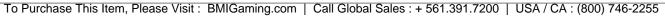
LAMP Change

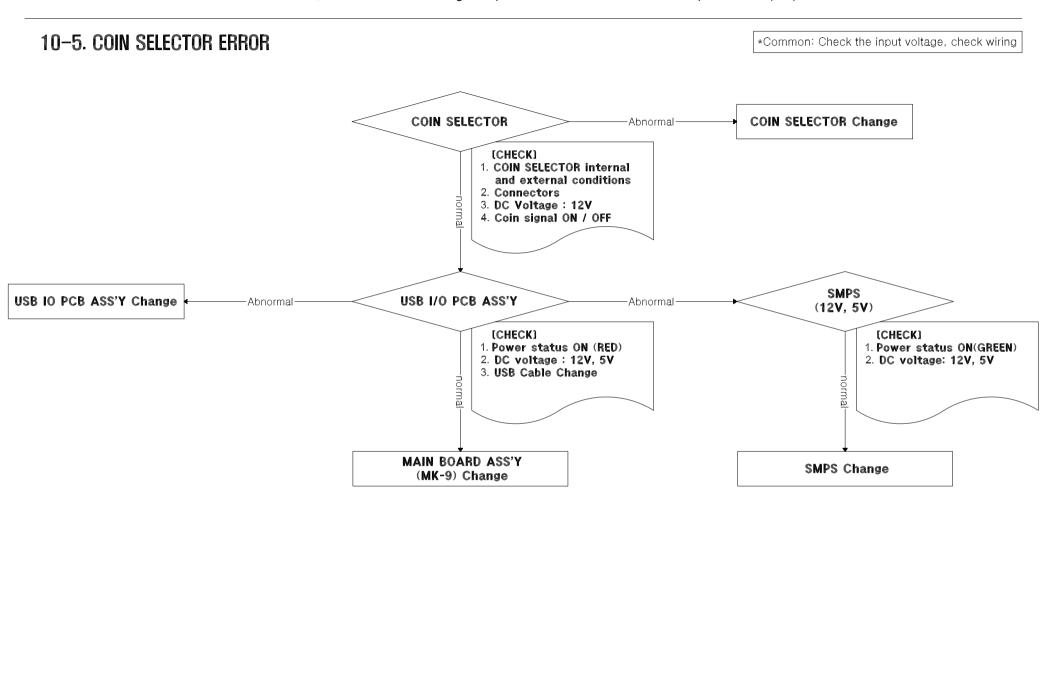


*Common: Check the input voltage, check wiring

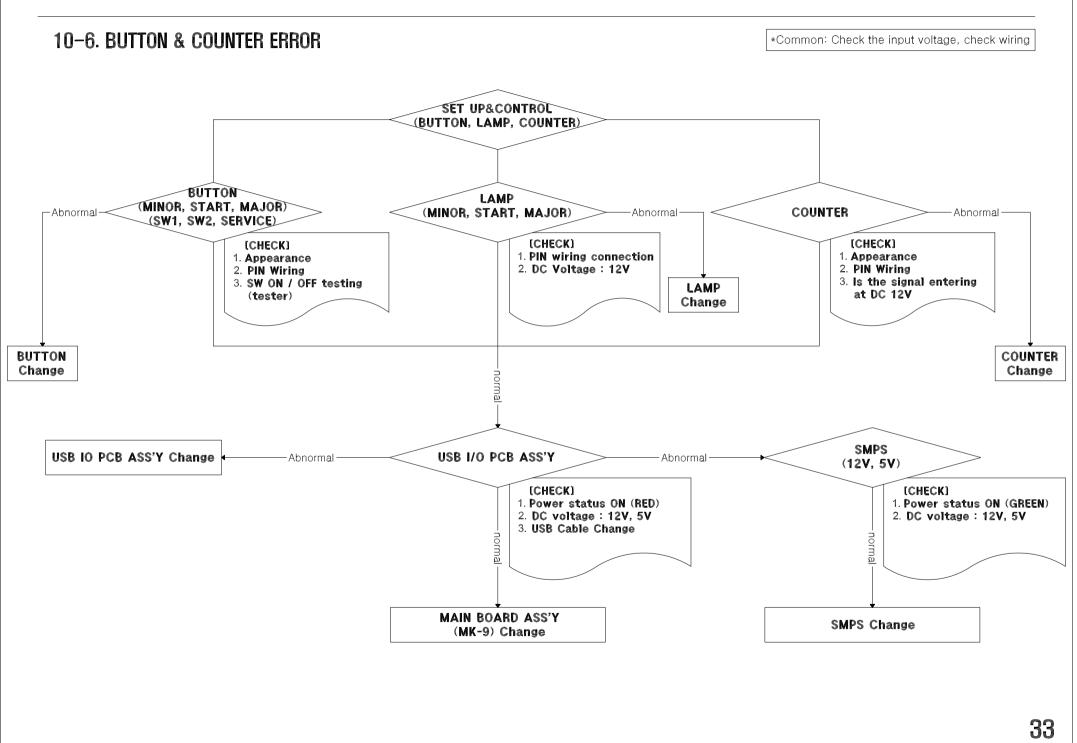


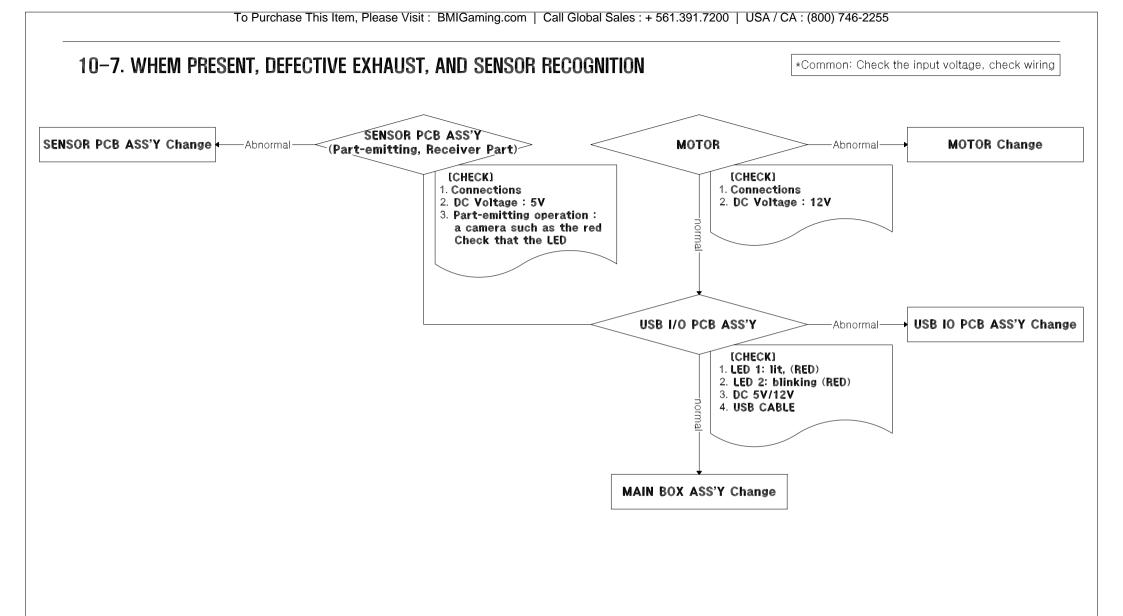


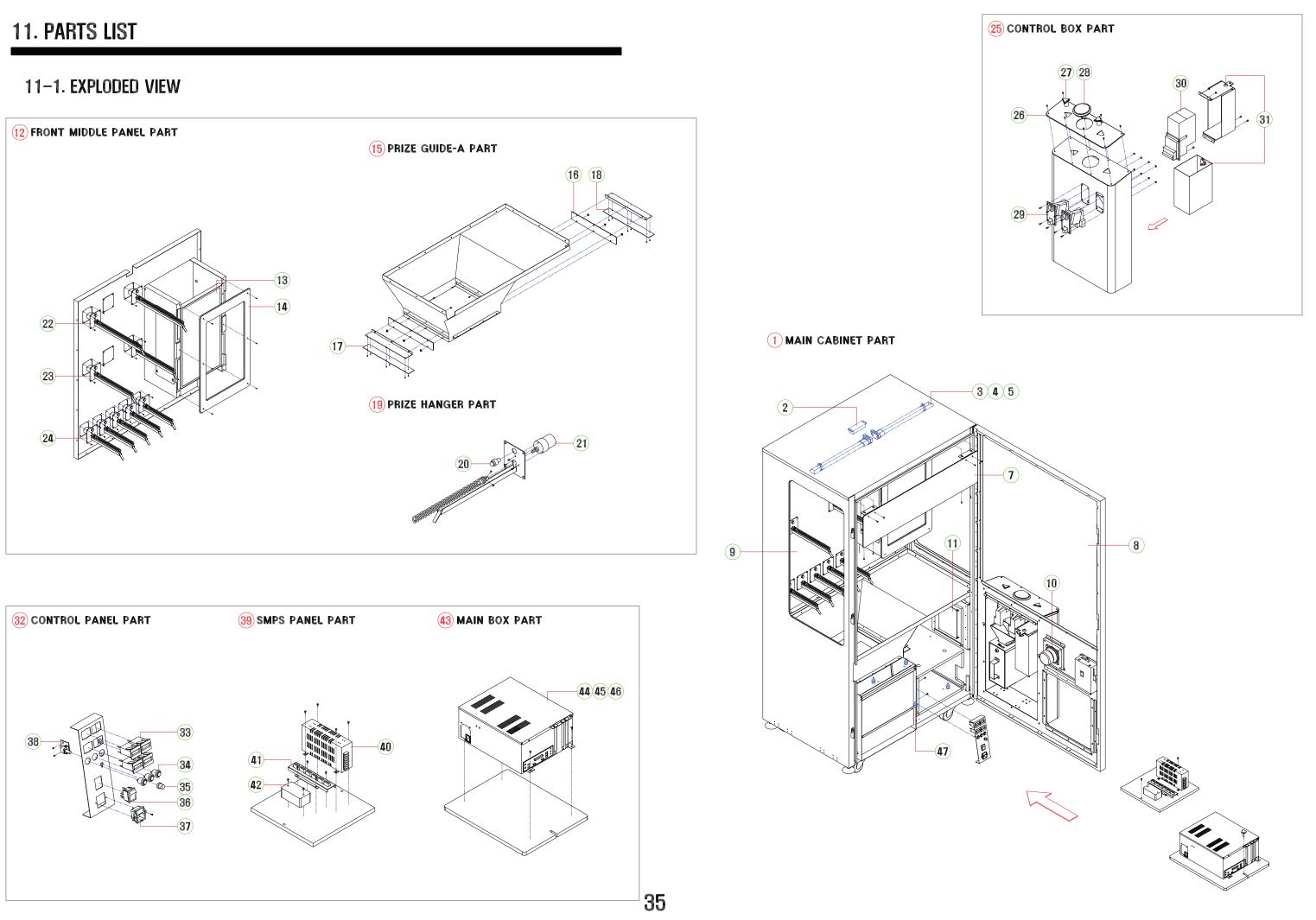




To Purchase This Item, Please Visit : BMIGaming.com | Call Global Sales : + 561.391.7200 | USA / CA : (800) 746-2255







11-2. LIST

NO.	PIC	LE\	/EL	PART NAME	SPEC.	QTY	CODE NO.
1		1		BILLBOARD PART			
2	0		2	ELECTRONIC BALLAST	FPL36W_TWIN_220V	2	MELE0BAL026
3	0		2	LAMP SOCKET ASS'Y	_	2	AELE0SOC001
4	0		2	LAMP CLAMP	FPL_SUS CLAMP	2	_
5	0		2	LAMP	FPL36W WHITE	2	MELE0LAM028
6	0		2	BILLBOARD SHEET	TOWER OF HANOI	1	MFCU0SHE003
7	0		2	BILLBOARD ACRYL	ACRYL-2.0t	1	MFCU0ACR004
8			2	FRONT WINDOW GLASS	GLASS-8.0t	1	MFCU0GLA002
9			2	SIDE WINDOW GLASS	GLASS-8.0t	2	MFCU0GLA001
10	0		2	SPEAKER	MID 4.5"+TW1/2 8Ω	1	MZZZ0SPE021
(11)	0		2	IO PCB ASS'Y	_	1	AFCU0PCB003
(12)	0	1		FRONT MIDDLE PANEL PART			
(13)	0		2	23" MONITOR	OPEN FRAME	1	_
(14)			2	LCD MASK ACRYL	FUNNY CUBE	1	AFCU0ACR001
(15)	0	1		PRIZE GUIDE-A PART			
(16)	0		2	SENSOR COVER ACRYL	ACRYL-3.0t [345x50]	2	MFCU0ACR001
(17)	0		2	SENSOR PCB ASS'Y	EMISSION	1	AFCU0PCB001
(18)			2	SENSOR PCB ASS'Y	RECEIVER	1	AFCU0PCB002
(19)	0	1		PRIZE HANGER PART			
20	0		2	LED SIGNAL LAMP	KLCRAU_16D12R	12	MELE0LAM064
(21)	0		2	DC MOTOR	KGC_210_3429C	12	MHAM0MOT001
(22)	0		2	PRIZE HANGER SPRING A_LONG	_	3	_
23	0		2	PRIZE HANGER SPRING B_MIDDLE	_	3	_
24			2	PRIZE HANGER SPRING C_SHORT	_	6	_
25	0	1		CONTROL BOX PART			
26	0		2	BUTTON ACRYL	FUNNY CUBE INT	1	AFCU0ACR002
27)	0		2	BUTTON SWITCH	CWB 408	2	MZZZOBUT081
28	0		2	BUTTON SWITCH	CWB 401	1	MZZZOBUT080
29	0		2	COIN SELECTOR	TW-130B	2	MZZZ0COS032
30	0		2	BILL ACCEPT	MEI_UP STAKER	1	_
31	0		2	KEY ASS'Y	6001	2	MZZZ0KEY041
32	0	1		CONTROL PANEL PART			
33			2	COUNTER	AMMC-712(7D12V)	4	MZZZ0COU002
34	0		2	PUSH BUTTON SWITCH	DS-421R	3	MELEOPUS006

NO.	PIC	LEVEL		PART NAME	SPEC.	QTY	CODE NO.
35	0		2	VOLUME KNOB	-	1	MELEOVOL007
36	0		2	ROCKER SWITCH	T-125 4P	1	MELE0SWI004
37	0		2	AC INPUT ASS'Y	DAC_13H, FUSE 10A	2	AELE0FUS002
38			2	VOLUME PCB ASS'Y	-	1	AHM20PCB016
39		1		SMPS PANEL PART			
40	0		2	POWER SMPS	D-120A 12V,5V	1	MELE0SMP045
(41)	0		2	AC JOIN PCB ASS'Y	-	1	AZZZ0PCB100
42	0		2	NOISE FILTER	ESI-F10	1	MELE0NOI006
43		1		MAIN BOX PART			
44	0		2	MAIN BOX	-	1	AFCU0SYS002
45			2	HDD	SATA	1	MZZZ0000349
46			2	USB LOCK	-	1	-
47			2	RUBBER ANTI-VIBRATION BOLTS	Ø20x16mm, M6	4	MZZZORUB009
Par	Parts for 110V						
2	0		2	ELECTRONIC BALLAST	FPL36W_TWIN_110V	2	MELE0BAL027

To Purchase This Item, Please Visit : BMIGaming.com | Call Global Sales : + 561.391.7200 | USA / CA : (800) 746-2255

11-3. PICTURE

2	3	4	5	6	7
		0			
10	11	13	14	16	17
				_	
18	20	21	22	23	24
		(#115-			
26	27	28	29	30	32
- O -	\triangleright				4
33	34	35	36	37	40
		0			
41	42	43			
antabatata (

