

SERVICE MANUAL



- ▶ Please read the manual carefully and keep it in mind before using this machine.
- ▶ Put this manual within touch of your reference in anytime.

PRECAUTIONS FOR USE

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 safety reasons.

- The following suggestions should be adhered to:



WARNING

Disregarding could result in serious injury.



CAUTION

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.



Forbidden.



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.

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.

PRECAUTIONS FOR USE

WARNING

Be sure to consult an industry specialist when setting up, moving or transporting this product.

- This product should not be set up, moved or transported by any one other than an industry specialist.
- When installing this product, set the 4 leg levelers evenly on the floor and make sure that the product is installed stably in a horizontal position. Unstable installation may result in injury or accident.
- When installing this product, do not apply undue force on movable parts. Otherwise, injury and accident may result, or the product may be damaged.

The machine for indoor usage only does not install outside.



Do not set the game machine up near emergency exits.



Protect the game machine from:

- Rain or moisture.
- Direct sunlight.
- Direct heat from air-conditioning and heating equipment, etc..
- Hazardous flammable substances.
- Otherwise an accident or malfunction may result.



Do not place containers holding chemicals or water on or near the game machine.



Do not place objects near the ventilating holes.



Do not bend the power cord by force or place heavy objects on it.



Never plug or unplug the power cord with wet hands.



Never unplug the game machine by pulling the power cord.



CAUTION

Be sure to use indoor wiring within the specified voltage requirements. For extension cord, use the specified rating or more.

Be sure to use the attached power cord.

Never plug more than one cord at a time into the electrical receptacle.



Do not lay the power cord where people walk through.



Be sure to ground this product.



Do not exert excessive force when moving the machine.




For proper ventilation, keep the game machine 100mm(4") away from the walls.

Do not alter the system related dipswitch settings.

PRECAUTIONS FOR USE


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 result in the power cord being damaged 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 modify the power cord. |
| • Do not bend the power cord excessively. | • Do not twist the power cord. |
| • Do not heat the power cord. | • Do not pull the power cord. |
| • Do not bind the power cord. | • Do not stand on the power cord. |
| • Do not sandwich 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.

PRECAUTIONS FOR USE

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 or 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 from the machine.



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

Avoid excessive force while moving the machine.

PRECAUTIONS IN HANDLING

- 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.

CONTENTS

1. SPECIFICATION AND DIMENSION

1-1. DIMENSION

1-2. SPECIFICATION

[COMPONENTS]

2. INSTALLATION

3. STICKER LOCATION

[SERVICE PANEL BUTTON EXPLANATION]

4. PRODUCT CHARACTER

5. SETUP MENU

5-1. I/O TEST

5-2. SCREEN TEST

5-3. GAME SETTING

5-4. COIN SETTING

5-5. USB DRIVE

5-6. SOUND TEST

5-7. BOOKKEEPING MENU

5-8. STATISTICS MENU

6. TROUBLESHOOTING

6-1. PICTURE

6-2. BUTTON

6-3. STEP SENSOR

6-4. STEP LED

6-5. COIN SELECTOR

6-6. USB ON/OFF

6-7. LAMP

6-8. SOUND

7. REPLACEMENT METHOD OF CONSUMABLE PARTS

7-1. LED LAMP

7-2. BILLBOARD LAMP

7-3. BILLBOARD SHEET

7-4. SHEET FOR "HOW TO PLAY"

8. PART LIST

8-1. EXPLODED VIEW

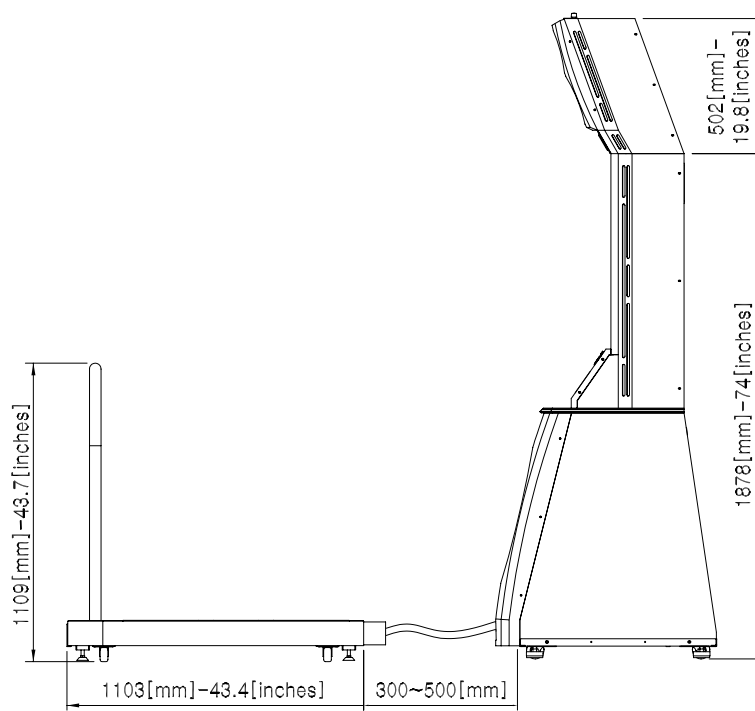
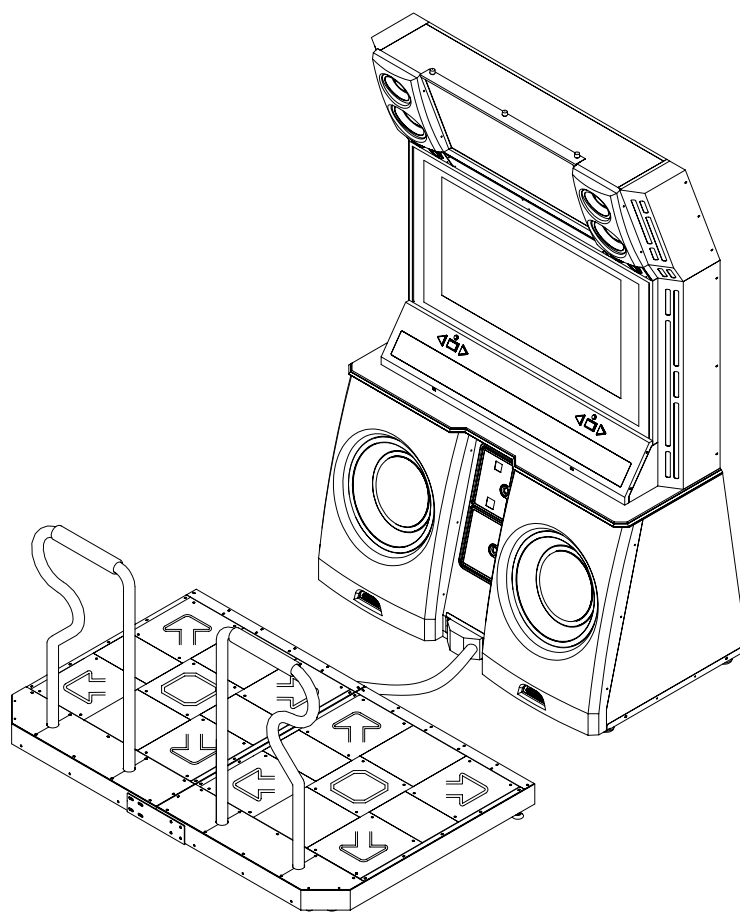
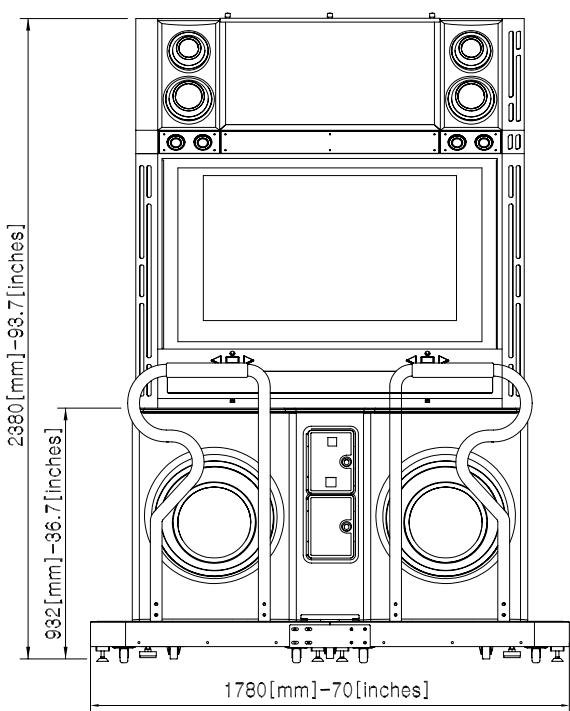
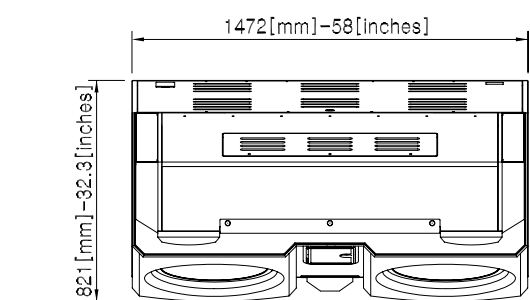
8-2. LIST

8-3. PICTURE

9. WIRING DIAGRAM

1. SPECIFICATION AND DIMENSION




1-1. DIMENSION



1-2. SPECIFICATION

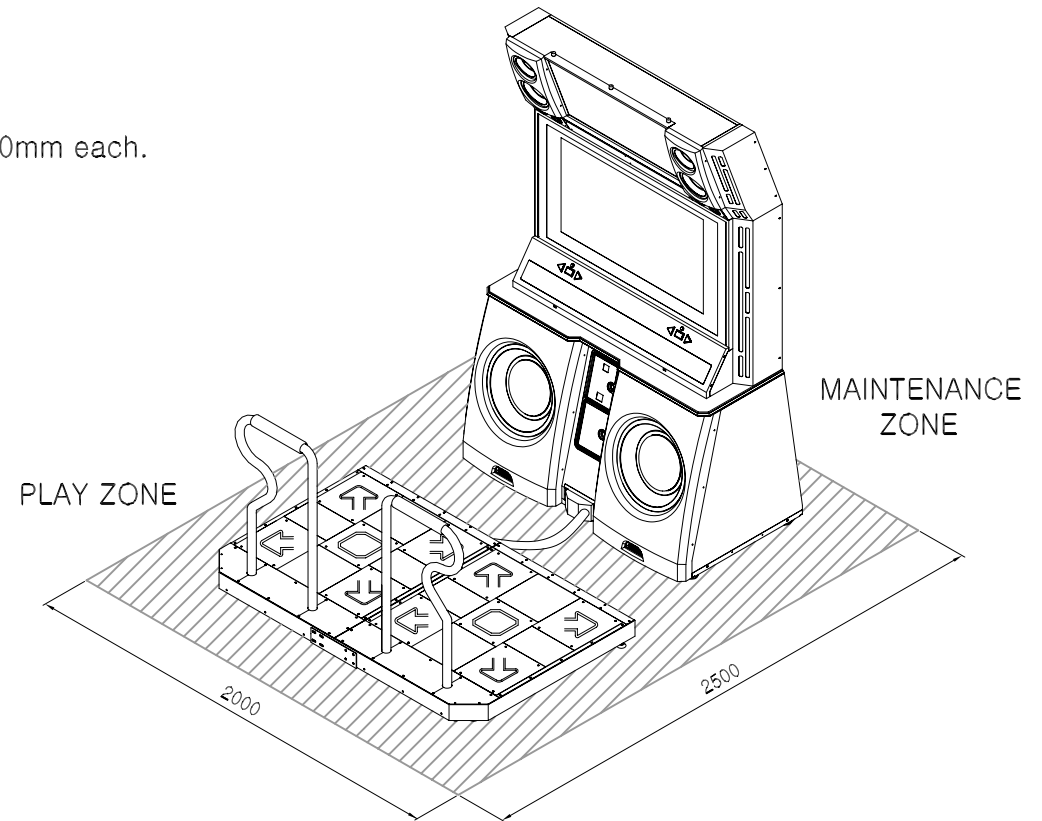
DIMENSIONS (W x D x H)	BODY	1472 x 821 x 2380 (mm)
	STEP	1780 x 1103 x 93 (mm)
WEIGHT (kg)	BODY	320 kg
	STEP	135 kg
SCREEN SIZE		PDP 52"
POWER RATED VOLTAGE RANGE		AC 110V / AC 220V
POWER RATED FREQUENCY RANGE		50 Hz ~ 60 Hz
CONSUMPTION	110V	220V
TOTAL	1200 W	1200 W

COMPOENTS

NO.	PART NAME	SPEC.		QTY
1	CASH BOX KEY	6001		2
2	FRONT DOOR KEY	7001		2
3	AC POWER CORD	110V or 220V		1
4	WIRING	–		1
5	CONNECTOR BRACKET-[STEP]	–		1
6	JOINT BRACKET	–		2
7	STEP STICKER	–		1
8	RENCH	5mm, 6mm, 8mm		Each 1
9	RENCH BOLT	M8x15L		18
10	RENCH BOLT	M10x16L		20
11	BOLT	M4x25		8
12	BOLT	M6x20		4
13	WASHER	M10, M8		20,18
14	SPRING WASHER	M10		20
15	PDP REMOTE CONTROL	–		1
16	PDP MANUAL	–		1
17	PRODUCT MANUAL	–		1

2. INSTALLATION

- Need to have installation place.
Maintenance Zone & Play zone should have at least 2000mm x 2500mm each.

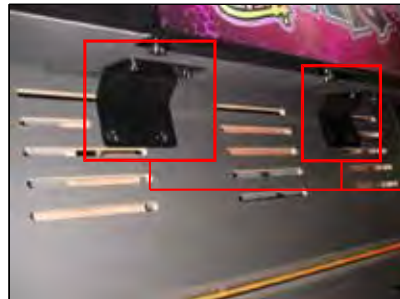


[How to Installation] – MAIN CASE

1



2



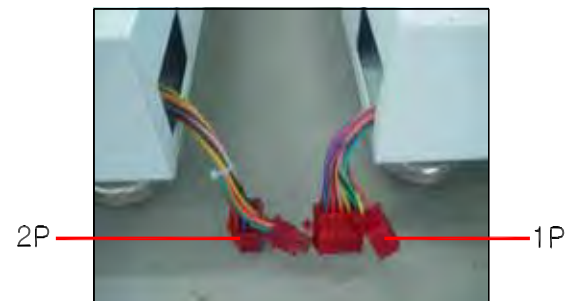
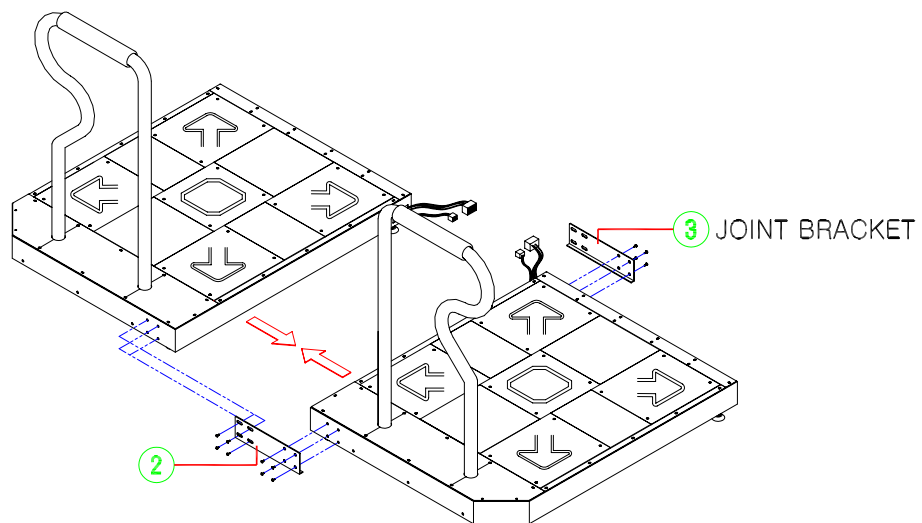
3



- ① Billboard box is put on the back of the cabinet body in the factory.
- Please remove two ② "Support bracket" by using hand bolt and build up "Billboard". (M6 hand bolt *4ea)
Please be careful of two ③ connectors from Billboard while you are working on this job.

– STEP

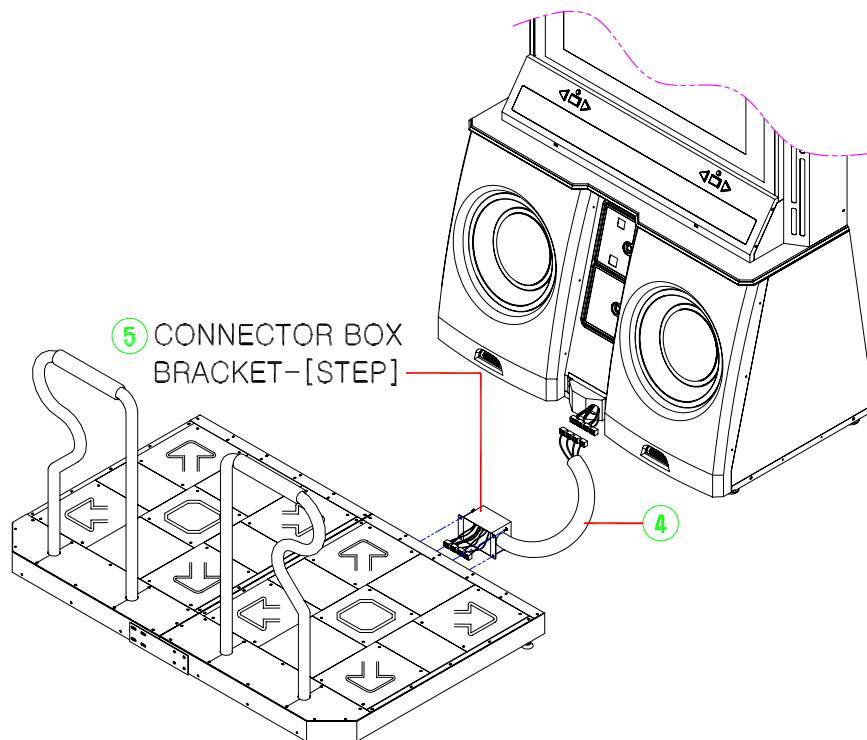
4



PICTURE A

- As shown in Figure A left and right feet of the 1P and 2P is connected to the connector. M8 bolts to ② ③ JOINT BRACKET (16 points) is fixed by.

5

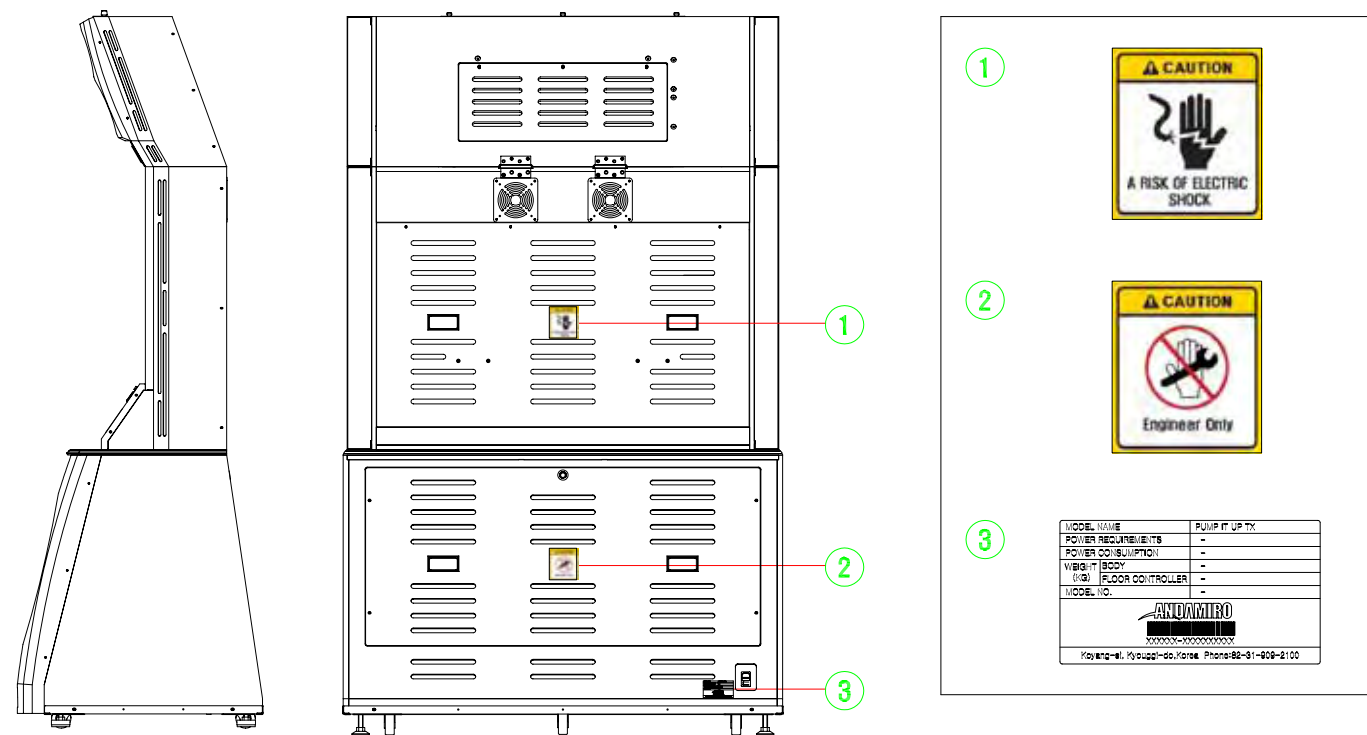


- ④ FLEXIBLE TUBE is connected to the connector body and feet. Since, ⑤ CONNECTOR BOX BRACKET-[STEP] connection. Bolt M6 (4 points)

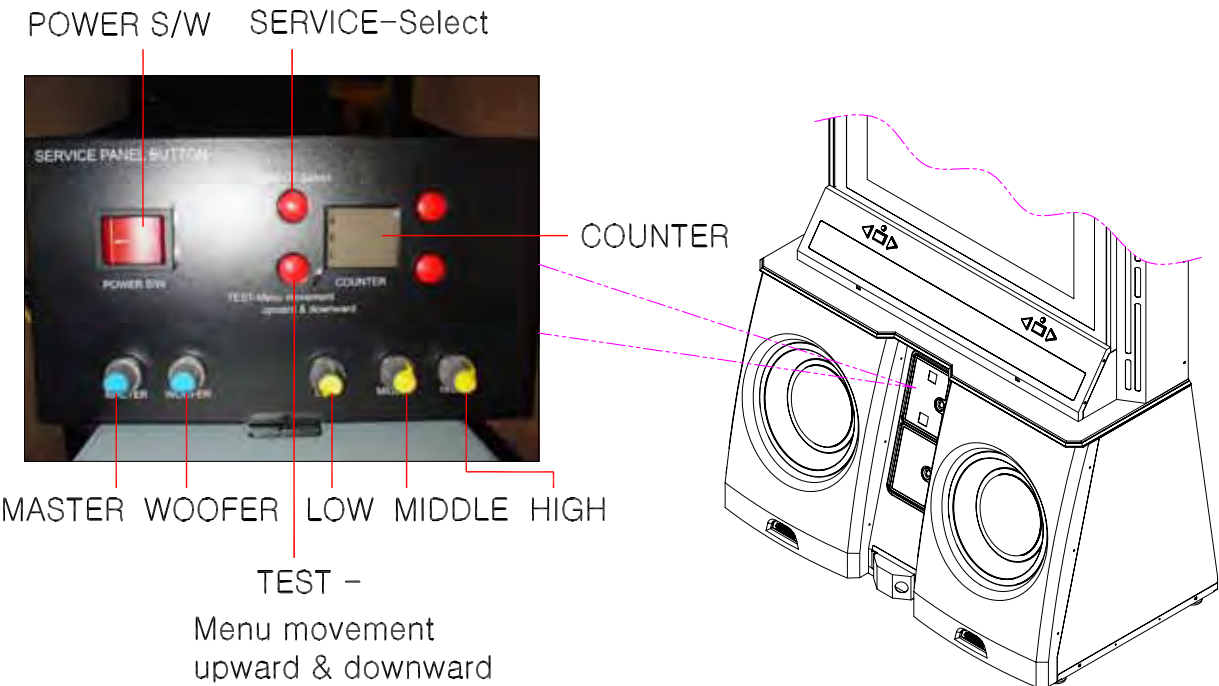


PICTURE B

3. STICKER LOCATION



[SERVICE PANEL BUTTON EXPLANATION]



4. PRODUCT CHARACTER

4-1. ANYONE CAN EASILY PLAY THE GAME WITH AN INTUITIVE WAY

- The arrow to the music as a springboard to handle the output, intuitive gameplay can be as easy for anyone to be a dancer.

4-2. FANTASTIC DANCE STAGE

- Full of equipment around the spectacular lighting and giant screens to focus the attention of galleries and to express their views freely, the dance as a springboard to satisfy the senses of the player, play an active manner by focusing attention contributes to the activation of Parlors Can be.

4-3. FAITHFUL TO THE DANCE ITSELF, HOW MANY GAMES

- 5 feet, as well as using the single-mode, play mode, depending on your choice can play up to 2-3 persons. Peuleyui for freedom by one player with 10 feet of the player is equipped with a double-mode also suits the dance itself, a variety of solid free-play offers.

4-4. VOLUME OF THE LARGEST EVER TO DANCE GAME

- Featured Artist of the domestic and overseas sources familiar with pop music, covering genres such as the pump does not own original music composition and sound of hundreds of mounted, offers a variety of configurations to mount the top step of the thousands of volumes and satisfaction, is proud of.

4-5. ENCOMPASSING CONFIGURATION, FROM BEGINNER TO ENTHUSIAST USERS

- Pump It-ups for beginners who are new to the game enthusiasts are familiar landmark configurations to meet all the players in the game the way the player's skill level by providing easy for even novice users to familiarize particular can play.

4-6. USB PERSONAL DATA STORAGE MOUNT

- Players can save the game, PumBi network management system to their own records, the world's players and their skills can compete.

5. SETUP MENU

Setup the machine proper for your own game center.

Service Options

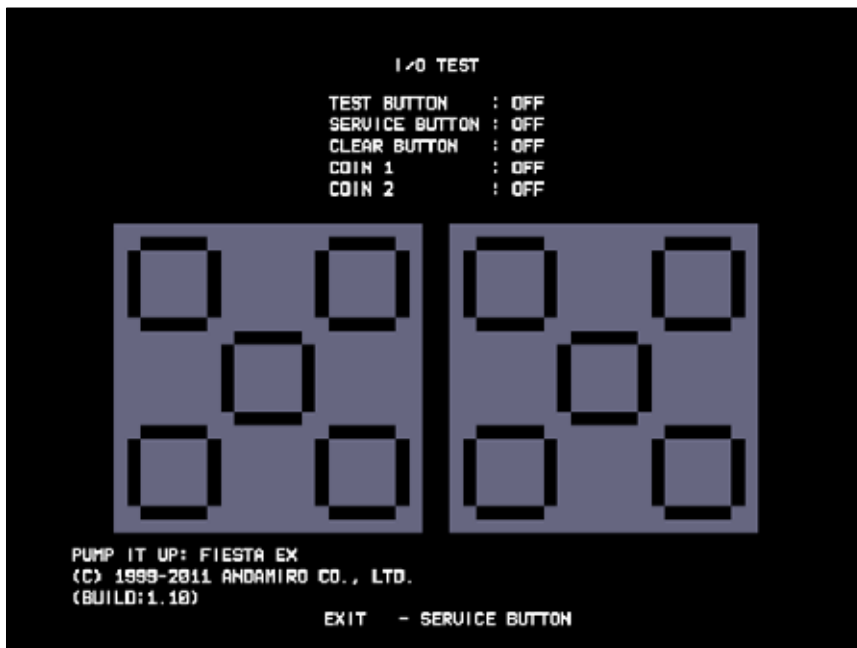
Test the hardware and set options before using the game.

Press the "Test" button (O TEST) located in the service box at any time.
The Service Options menu will appear.



5-1. I/O TEST

You can test pad sensors and lamps and buttons located on the body of the machine.



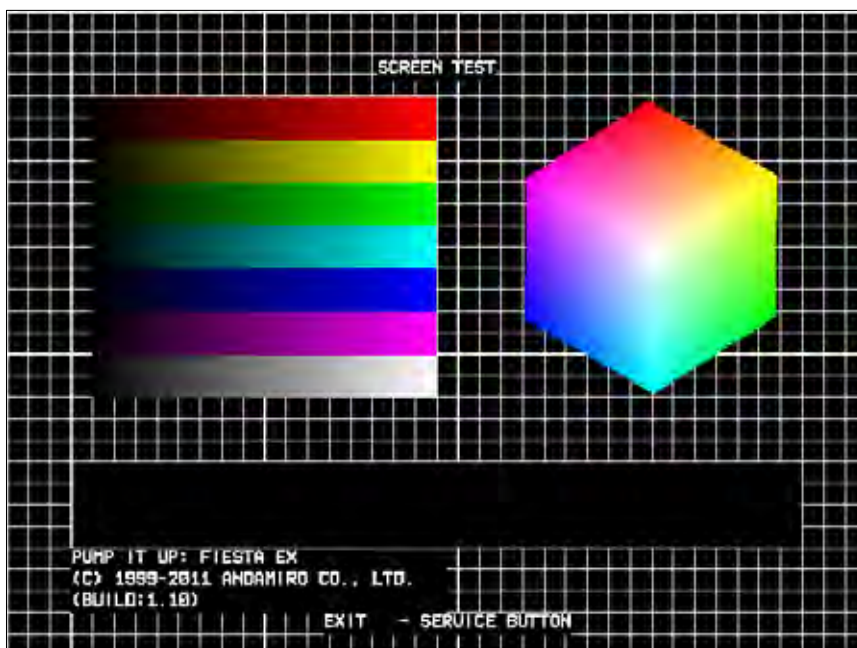
1. Press the "Test" button (O test) to enter I/O TEST in SET UP MENU.
2. Press each button in order to check each button function. If it is normal, "OFF" on the screen is changed to "ON".

"If it does not work well, contact the service center for advice or repair."

3. Press the "Service" Button(O service) to exit from I/O TEST.

5-2. SCREEN TEST

Check out the status of monitor screen.



1. Press the "Test" button (O test) to enter SCREEN TEST in SET UP MENU.

"If color and linearity of latticed pattern is not normal, contact the service center for advice or repair."

2. Press the "Service" Button(O service) to exit from SCREEN TEST.

5-3. GAME SETTING

Set the degree of game difficulty and stage option.

1. Press the "Test" button (O test) to enter GAME OPTION in SET UP MENU and move the cursor to each GAME OPTION.
2. Press the "Service" button in order to change option of each GAME OPTION.



a. GAME MODE

Select "Normal" or "Event".

b. INITIAL LIFE

Please make a choice for player's initial life between "4" and "5".

c. LEVEL

Set the degree of difficulty of game.

The degree of difficulty is set in three steps, including Easy/Normal/Hard.

d. STAGE BREAK

Set up that a stage break is applied from which stage.

Available setting : OFF/Stages 1~4

d. DEMO SOUND

DEMO Sound ON/OFF

f. DEFAULT SETTING

Return to Factory Default Setting

g. EXIT

Exit to the game screen with saving the changed setting

5-4. COIN SETTING

You can set up number of coins for a credit.



1. Press the "Test" button (O test) to enter COIN OPTION in SET UP MENU and move the cursor to each COIN OPTION.
2. Press the "Service" button in order to set up number of coins for a credit.
3. COIN MODE
 - Set up a coin type you want to choose.
 - Available setting : COIN / CARD
4. COIN CLEAR
 - You can reset the coin counts remaining in the machine.

5-5. USB DRIVE



1. Press the "Test" button(O test) to enter USB DRIVE in SET UP MENU.
2. Player 1 menu and press the Service Button after inserting USB memory Stick into the 1P port of USB Cover BOX Ass'y.
3. Proceed the same steps for Player 2.

5-6. SOUND TEST

In order to achieve better sound track & sound effect.

You may check status of speaker & woofer, and adjust volume as well.



1. Move into sound test in setting mode.
After Pushing Test(O test) button, please move a cursor to "Volume' or "Audio"
2. In order to adjust volume, please press "Service (O service) button in volume menu.
3. In order to choose a song. Please press "Service (O service) button in Audio menu.
 - The default volume is 80 to 50 to 95 can be adjusted.
 - It's not recommendable to adjust this value because it may damage woofer in case set volume become higher than default value.

5-7. BOOKKEEPING MENU

You can check the number of coins and service coins put into the machine.



1. Press the "Test" button (O test) to enter BOOKKEEPING in SET UP MENU and move the cursor to each BOOKKEEPING.
2. Press the "Service" button in order to make the record of BOOKKEEPING reset.

5-8. STATISTICS MENU

It indicates the number of the play on each song.

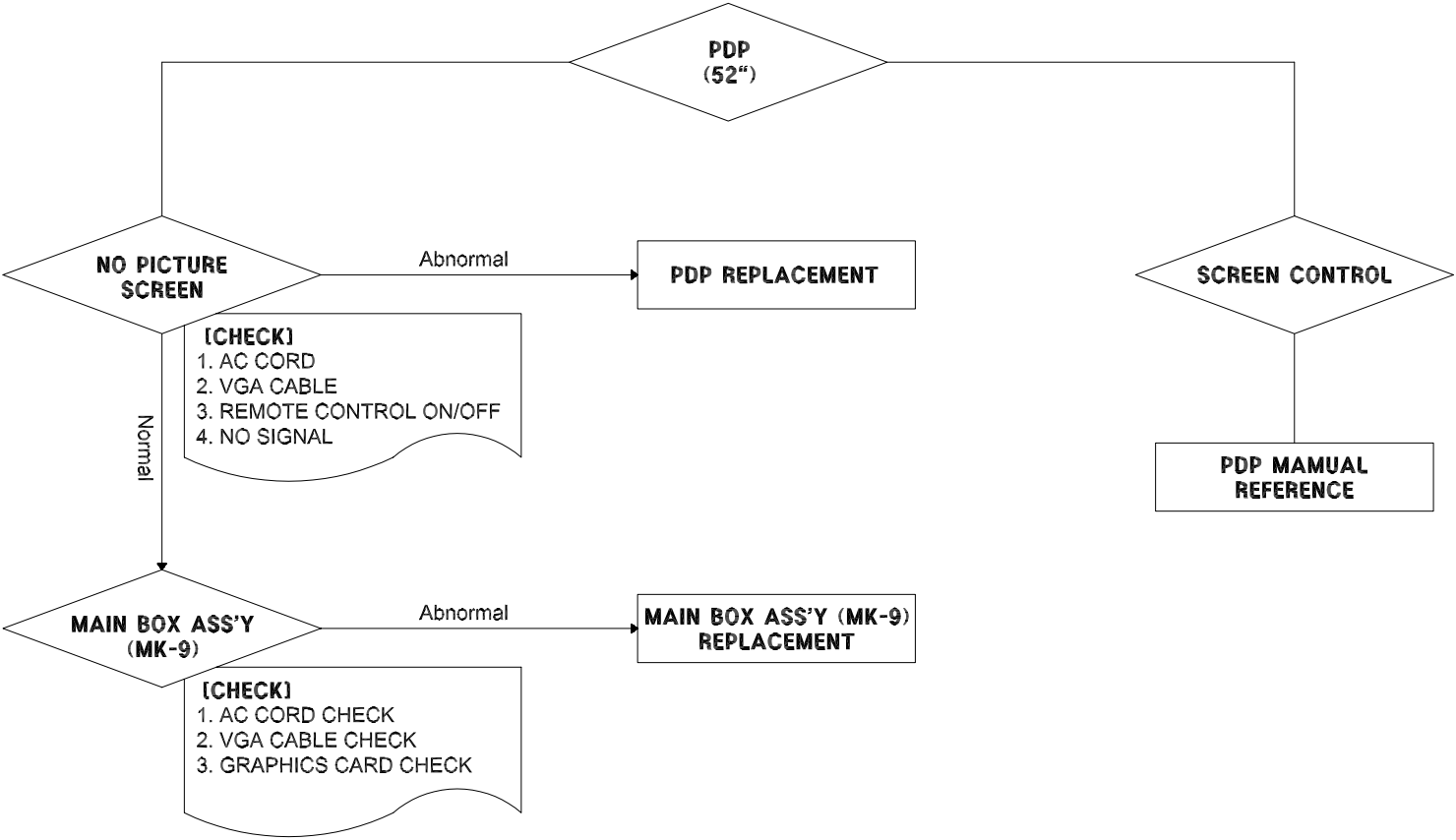


1. Press the "Test" button (O test) to enter STATISTICS in SET UP MENU. Keep pressing the "Test" button" to move the cursor to the end of the song list.

6. TROUBLESHOOTING

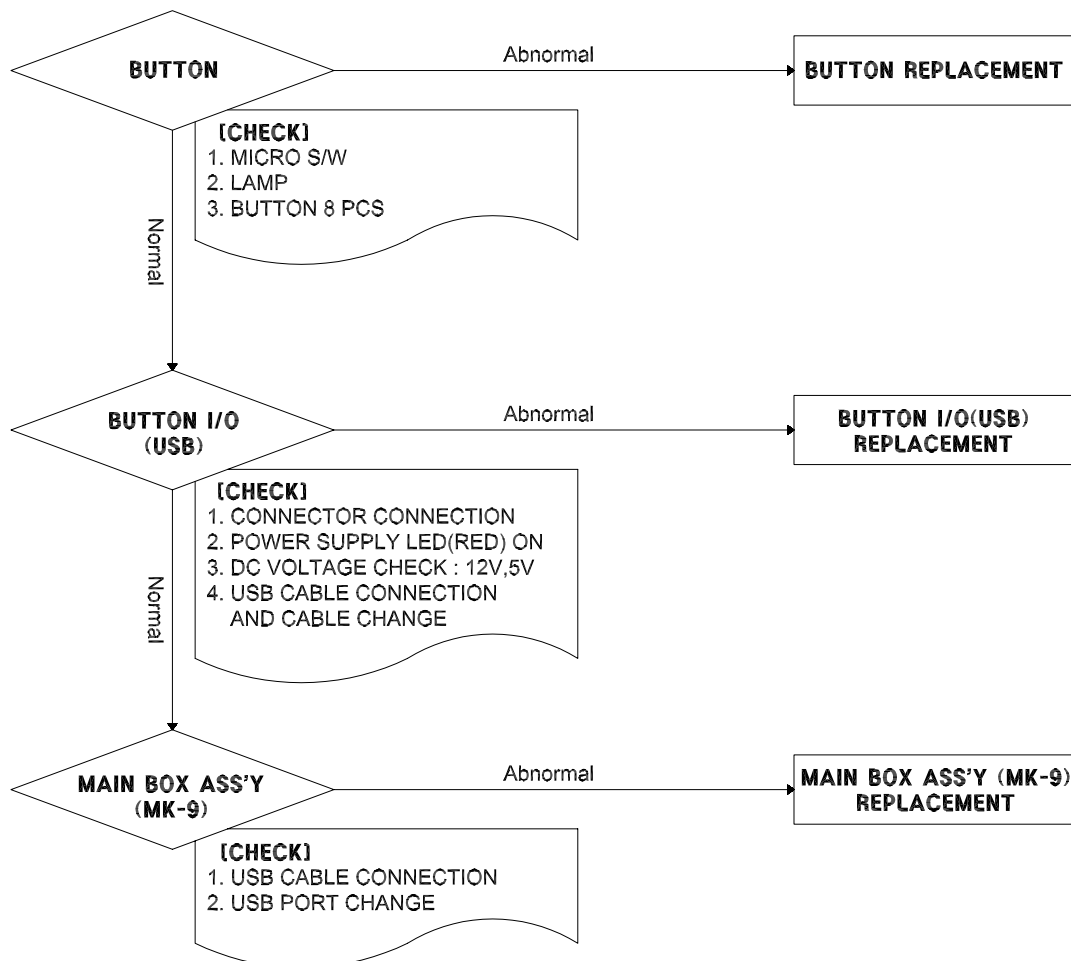
6-1. PICTURE

* COMMON : INPUT VOLTAGE CHECK
WIRING CONNECTION CHECK



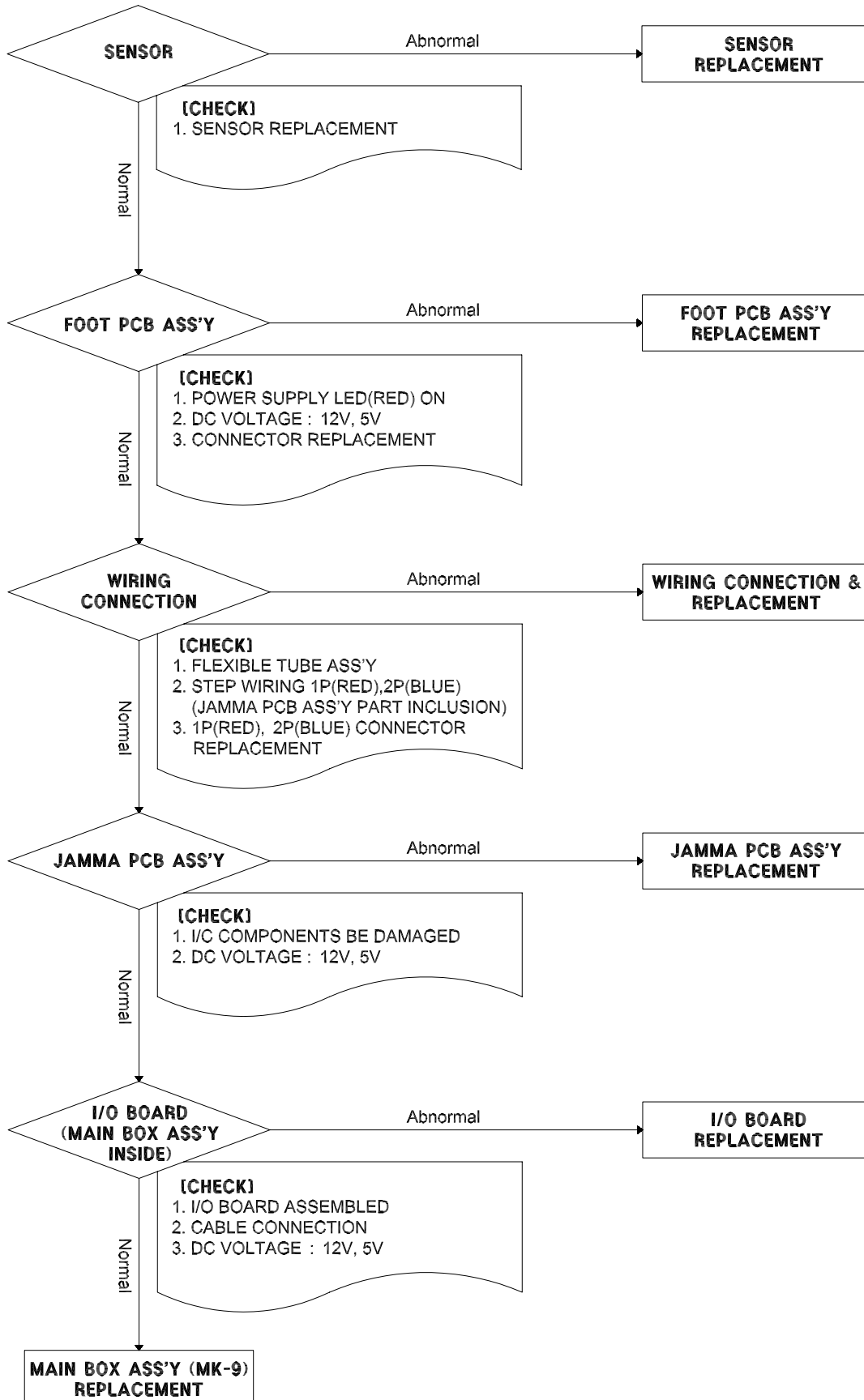
6-2. BUTTON

* COMMON : INPUT VOLTAGE CHECK
WIRING CONNECTION CHECK



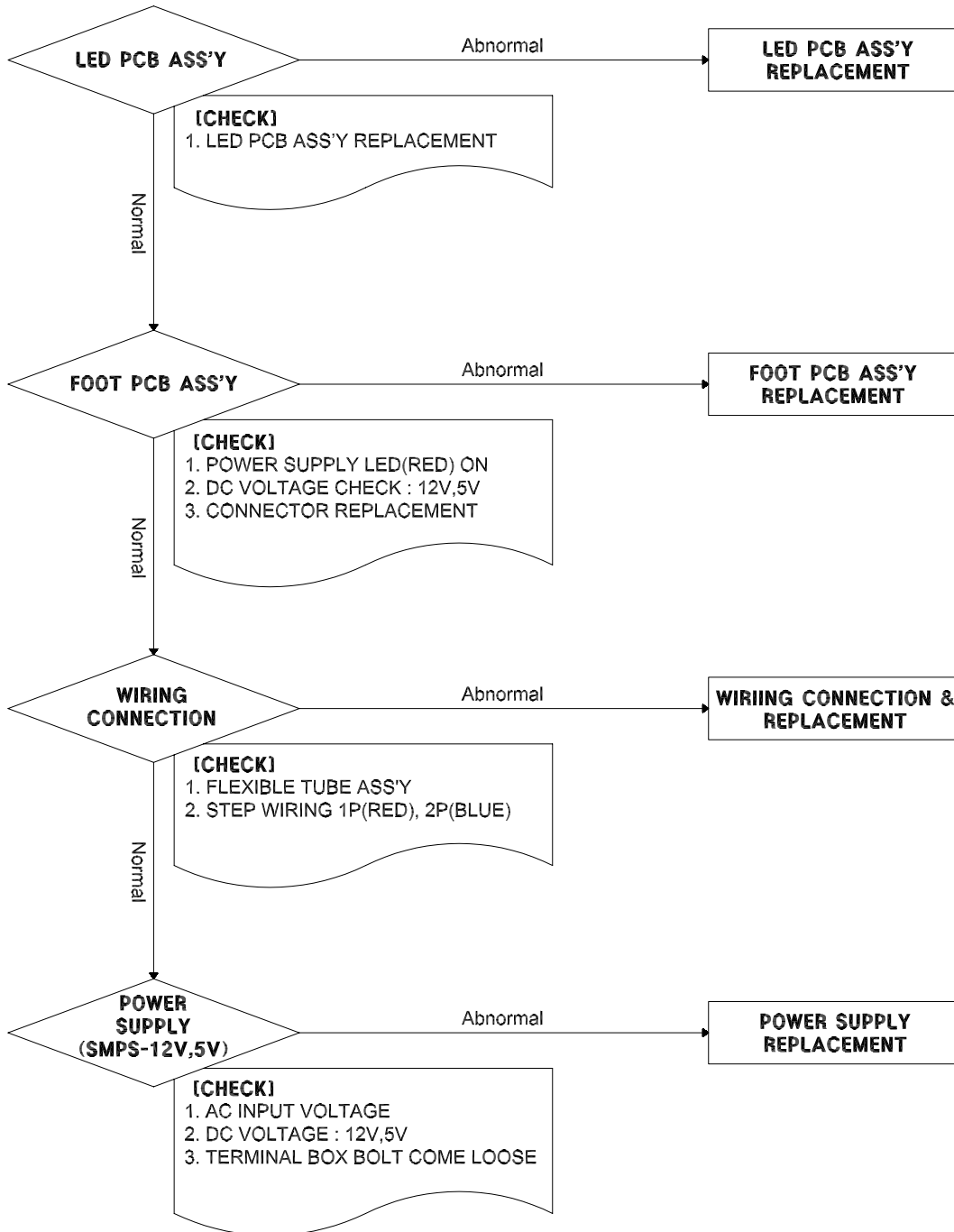
6-3. STEP SENSOR

* COMMON : INPUT VOLTAGE CHECK
WIRING CONNECTION CHECK



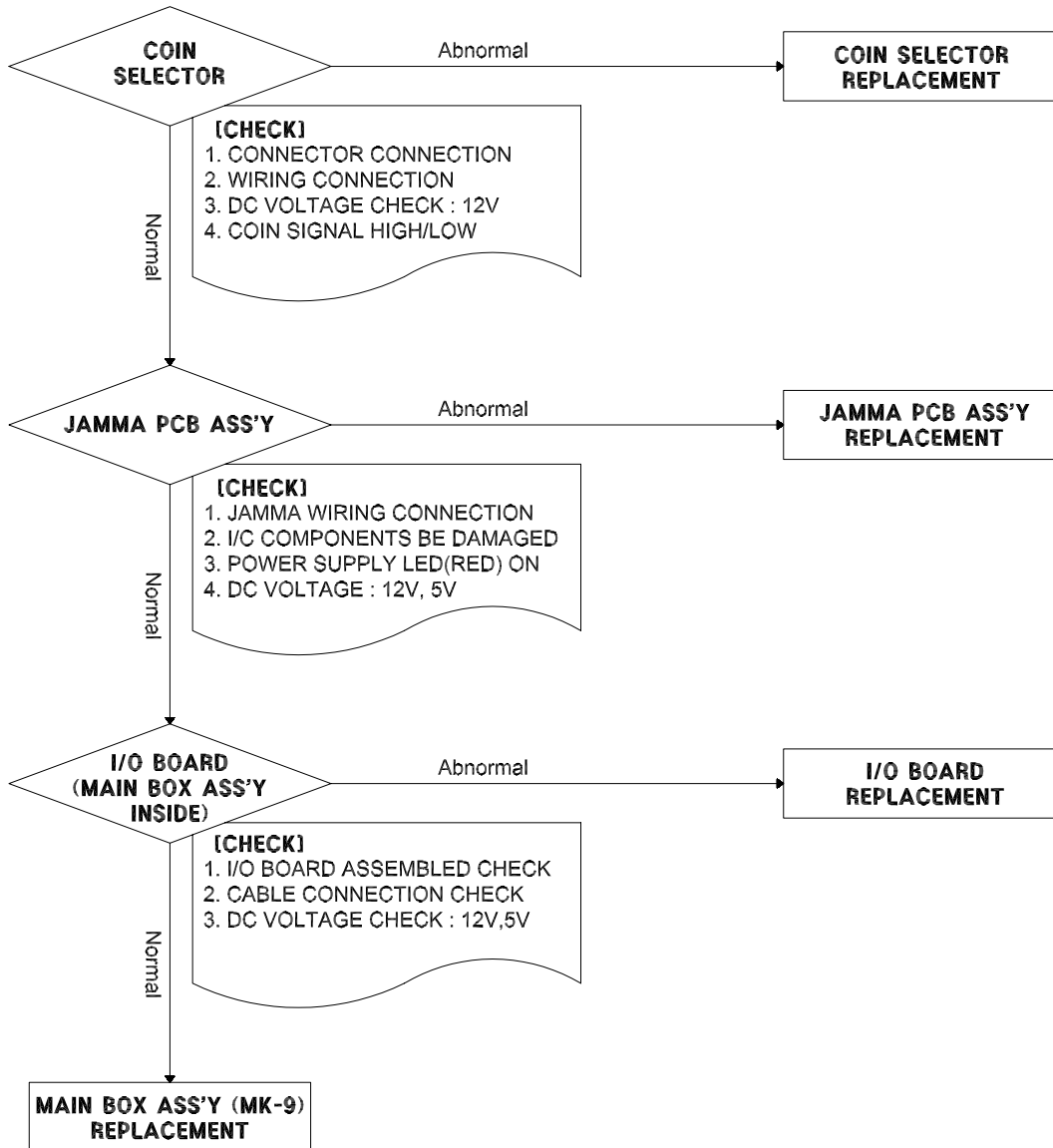
6-4. STEP LED

* COMMON : INPUT VOLTAGE CHECK
WIRING CONNECTION CHECK



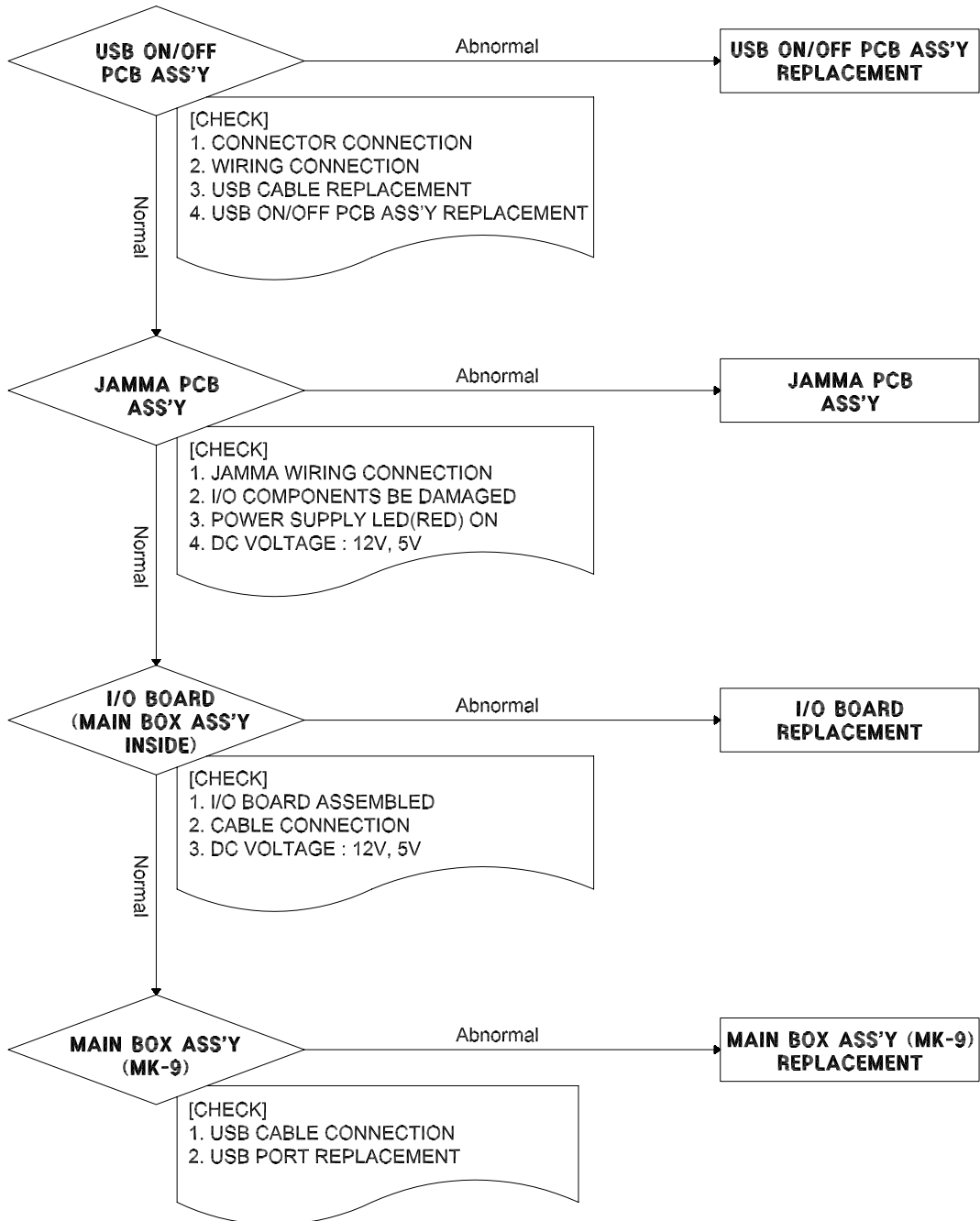
6-5. COIN SELECTOR

* COMMON : INPUT VOLTAGE CHECK
WIRING CONNECTION CHECK



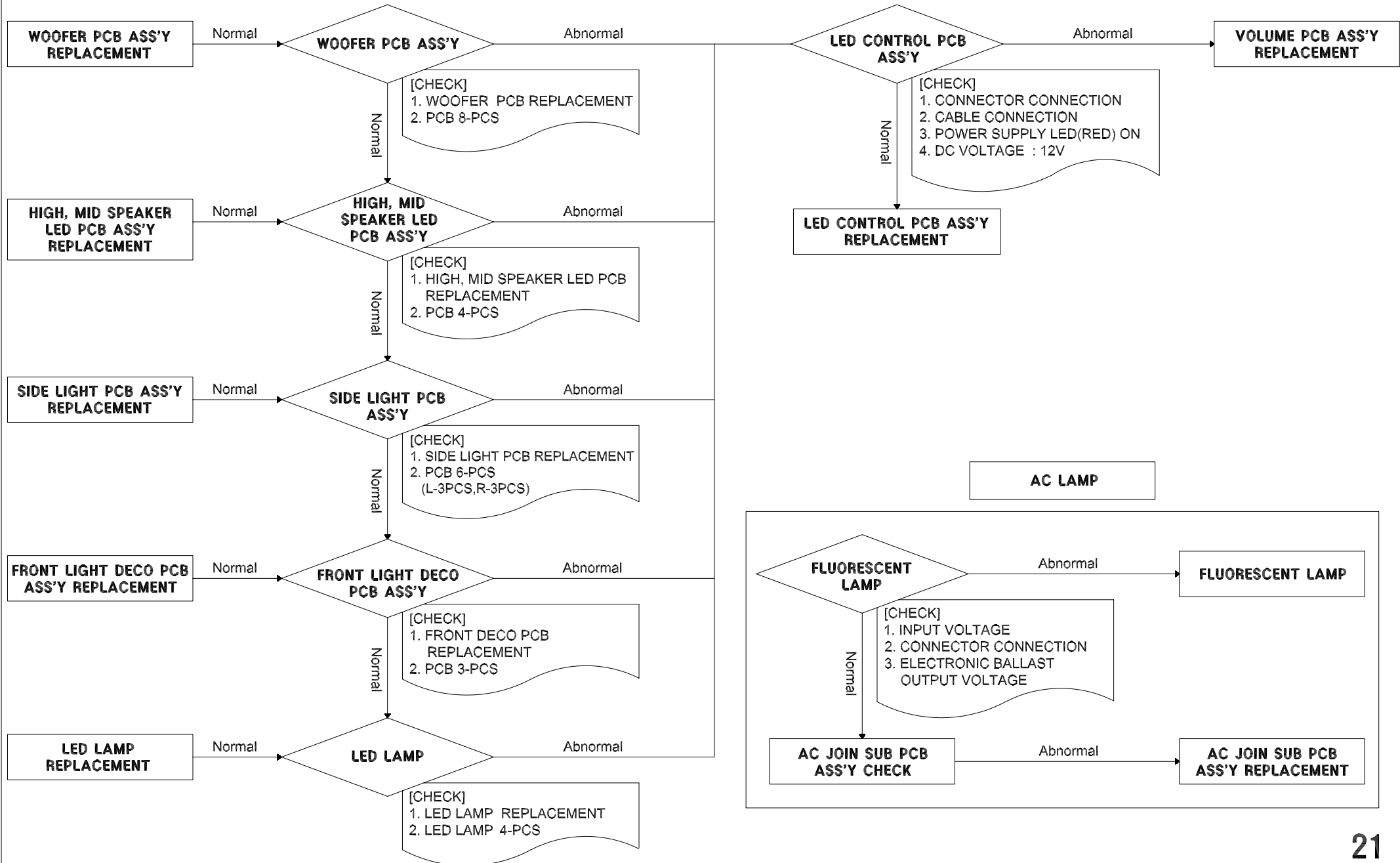
6-6. USB ON/OFF

* COMMON : INPUT VOLTAGE CHECK
WIRING CONNECTION CHECK



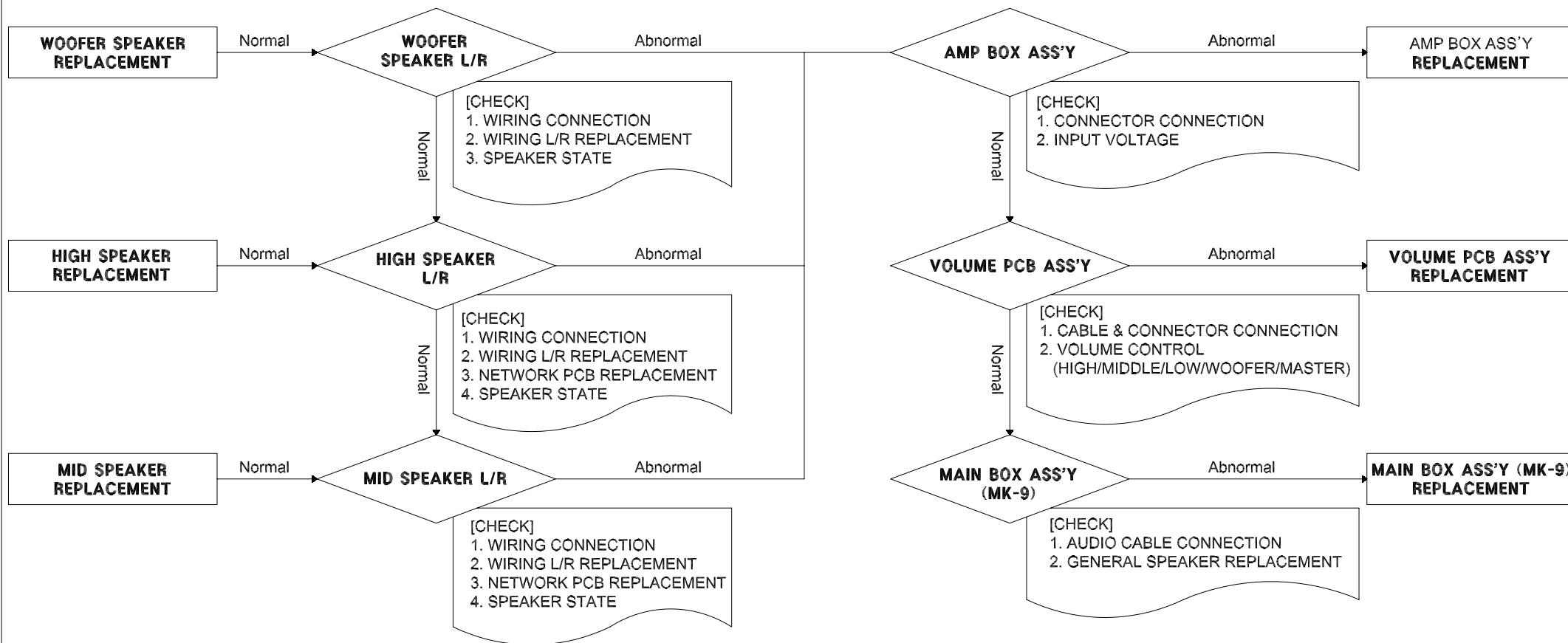
6-7. LAMP

* COMMON : INPUT VOLTAGE CHECK
WIRING CONNECTION CHECK



6-8. SOUND

*** COMMON : INPUT VOLTAGE CHECK
WIRING CONNECTION CHECK**



1. IN CASE NOISE
2. L/R BALANCE — AMP BOX & MAIN BOX ASS'Y FG CONNECTION CHECK

7. REPLACEMENT METHOD OF CONSUMABLE PARTS



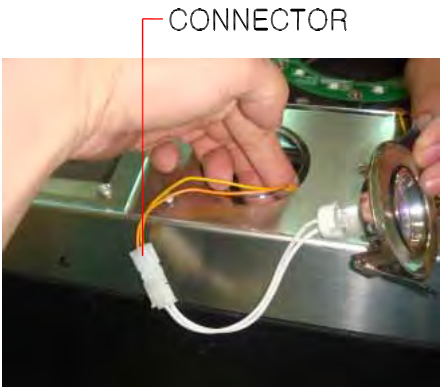
7-1. LED LAMP

1



PICTURE A

- There are two ① LED lamps in Billboard.



PICTURE B

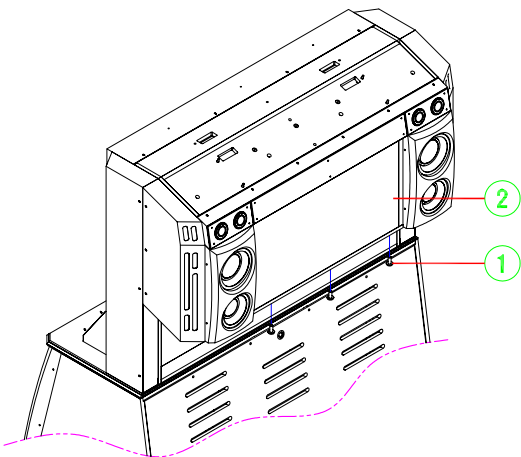
- LED Lamp can be replaced in the front.
Carefully handle two connection wires.

NO.	PART NAME	SPEC.	CODE NO.
①	LED LAMP ASS'Y	MR16 LED TYPE	MELE0LAM060

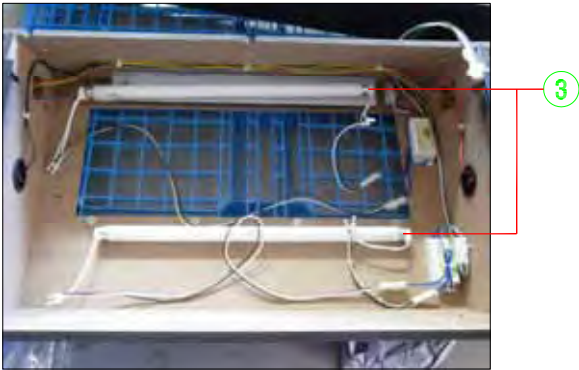


7-2. BILLBOARD LAMP

1



PICTURE A



PICTURE B

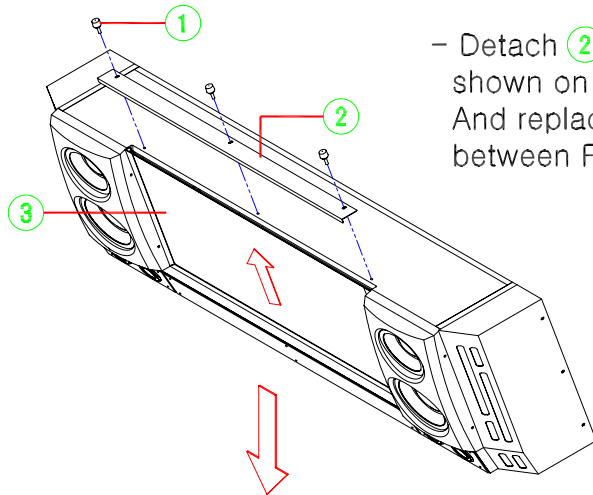
(1) Using billboard hinge, install them as Picture A.
After loosen ① "Hand bolt"(3ea), Disassemble
② billboard sheet and Acryl.

NO.	PART NAME	SPEC.	CODE NO.
③	FLUORESCENT LAMP	FL20SD-20W	MELE0LAM002

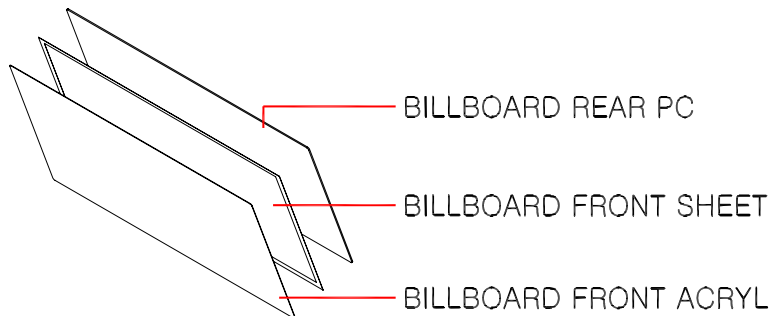
(2) Please change ③ lamp after disconnecting ④ connector.

7-3. BILLBOARD SHEET

1

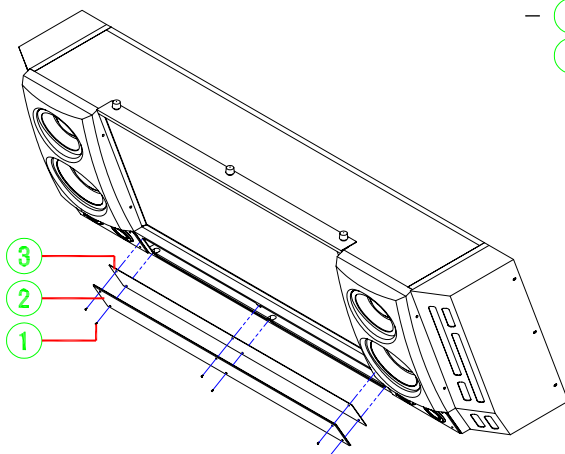


- Detach (2) billboard PC cover after screwing out (1) 3 bolts as shown on the picture.
And replace (3) billboard sheet. The new billboard should be in between Rear cover and Front cover as shown on the picture.



7-4. SHEET FOR "HOW TO PLAY"

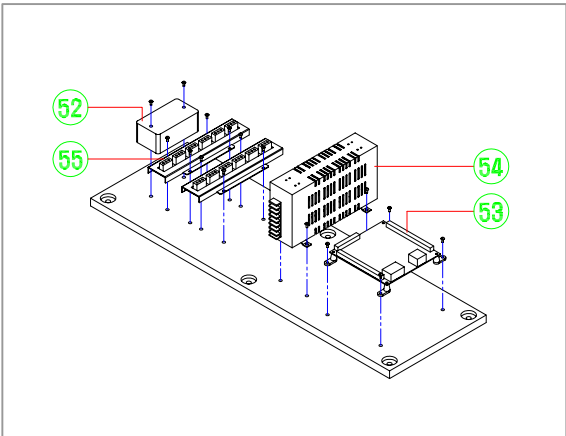
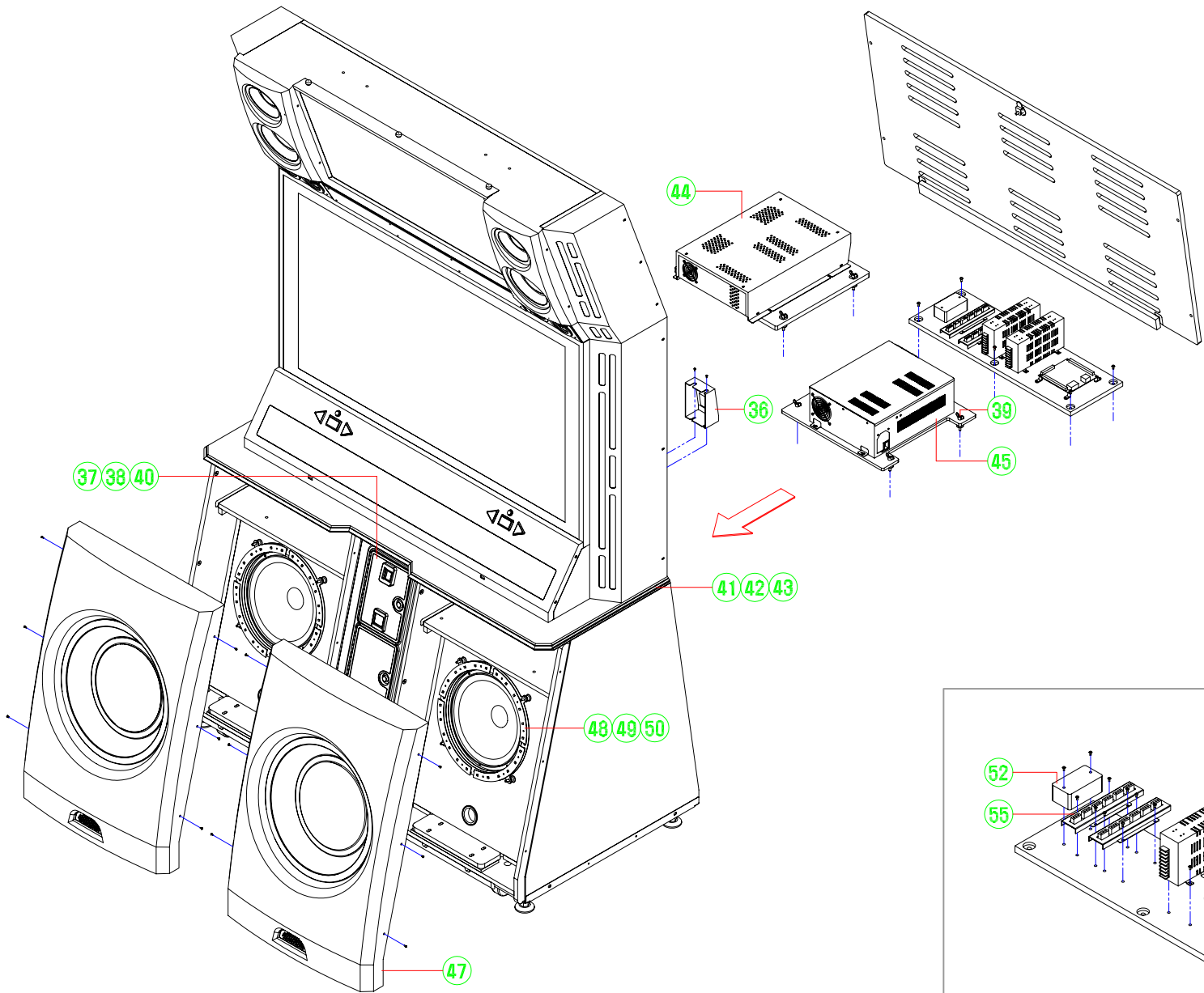
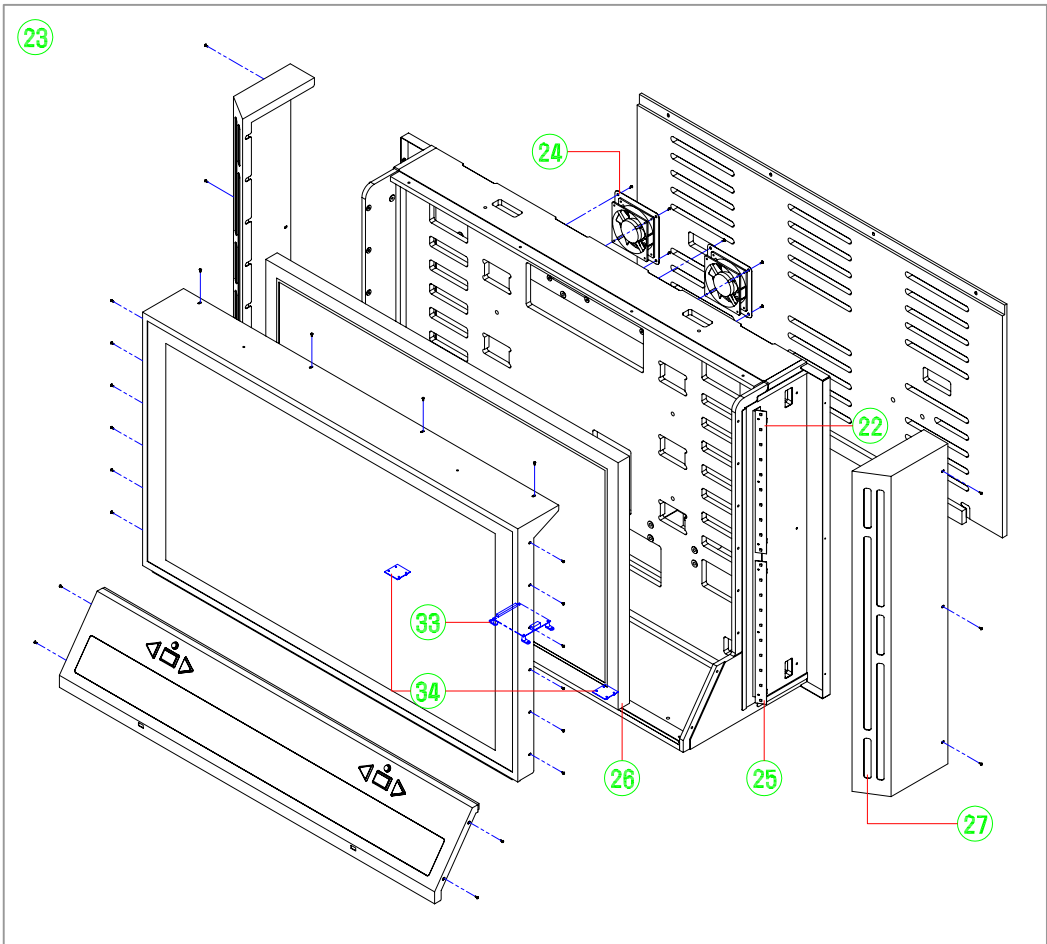
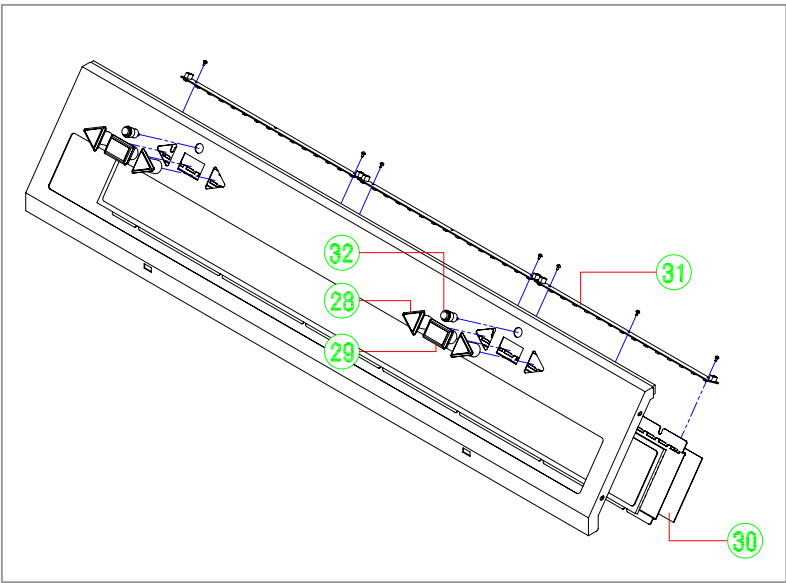
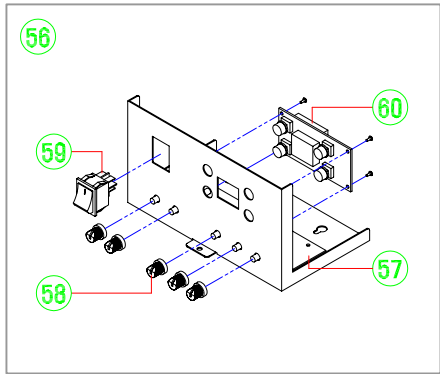
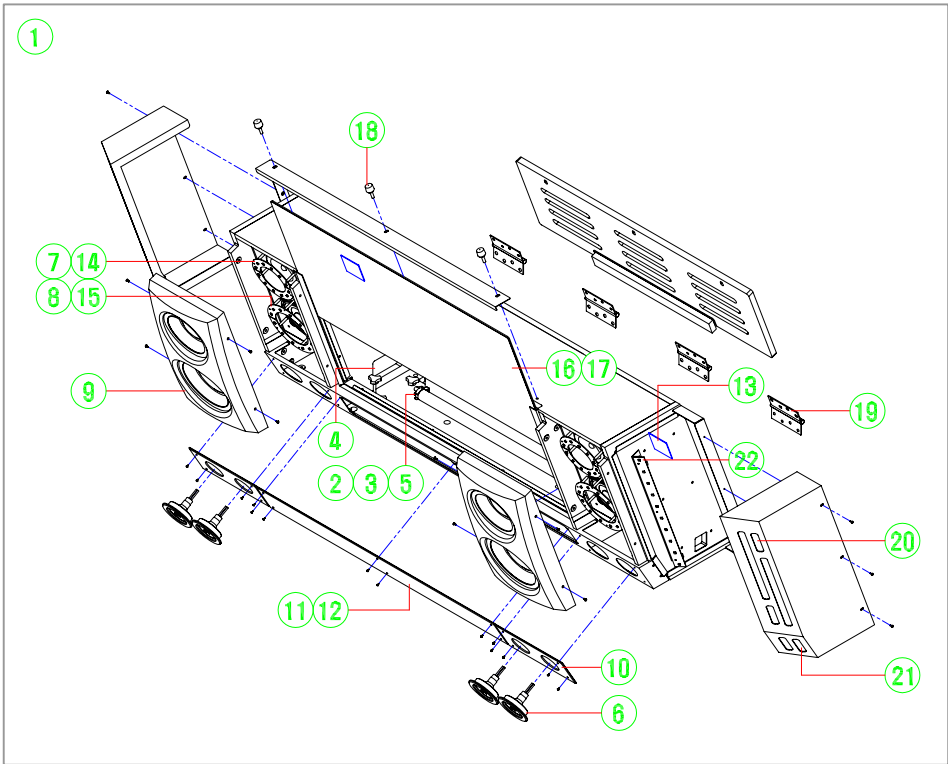
1



- (2) Detach 6 M4 (1) bolts. And replace explanation (3) sheet for "How to play"

8. PARTS LIST

8-1. EXPLODED VIEW



8-2. LIST






















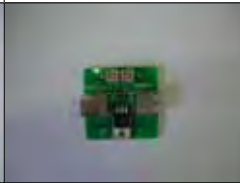



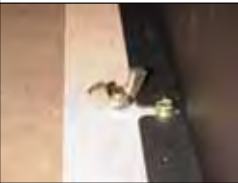














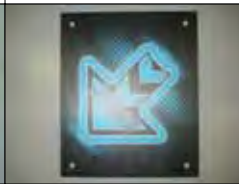

NO.	PIC	LEVEL		PART NAME	SPEC.	QTY	CODE NO.
1		1		BILLBOARD CASE ASS'Y			
2	○		2	LAMP CLAMP	-	4	MELE0LAM014
3	○		2	FLUORESCENT LAMP	FL20SD-20W	2	MELE0LAM002
4	○		2	ELECTRONIC BALLAST	220V FL 20W 1등용	2	MELE0BAL001
5			2	Y-SOCKET	10W SOCKET	4	MELE0SOC004
6	○		2	LED LAMP ASS'Y	MR16 LED TYPE	4	MELE0LAM060
7	○		2	HIGH SPEAKER LED PCB ASS'Y	-	2	APUT0PCB011
8	○		2	MID SPEAKER LED PCB ASS'Y	-	2	APUT0PCB012
9	○		2	MID SPEAKER MASK	PC-4.0t	1	MPUT0PLA003
10			2	LED LAMP BASE	ACRYL-3.0t	2	MPUT0ACR009
11	○		2	HOWTOPLAY PANEL	ACRYL-3.0t	1	MPUT0ACR011
12	○		2	HOWTOPLAY BACK PANEL	PET-1.0t	1	MPUT0ACR010
13	○		2	SPEAKER NETWORK PCB ASS'Y	-	2	APUT0PCB007
14	○		2	SPEAKER	3" HIGH	2	MZZZ0SPE026
15	○		2	SPEAKER	5 1/4" MID	2	MZZZ0SPE027
16	○		2	BILLBOARD REAR PANEL	PC-3.0t	1	MPUT0ACR007
17	○		2	BILLBOARD FRONT PANEL	PET-1.0t	1	MPUT0ACR006
18	○		2	HAND BOLT	M4, PKB4 L=20	3	MZZZ0PLA023
19	○		2	HINGE	HS-2Tx75x100	4	MZZZ0HIN002
20			2	TOP LIGHT ACRYL-A	ACRYL-5.0t	2	MPUT0ACR016
21			2	TOP LIGHT ACRYL-B	ACRYL-5.0t	2	MPUT0ACR017
22	○		2	TOP & SIDE LIGHT PCB ASS'Y	-	2	APUT0PCB001,002
23		1		TOP CASE ASS'Y			
24	○		2	FAN	120mm SLEEVE	2	MZZZ0FAN001
25	○		2	PDP	52HD_U2P	1	AZZZ0PDP001
26			2	SCREEN COVER	GLASS-5.0t	1	MPUT0GLA001
27			2	SIDE LIGHT ACRYL	ACRYL-5.0t	2	MPUT0ACR012
28	○		2	BUTTON SWITCH	BLC-TN-BK-G-CY	4	MZZZ0BUT075
29	○		2	BUTTON SWITCH	BLC-TN-BK-F-CG	2	MZZZ0BUT074
30			2	FRONT LIGHT DECO ACRYL	ACRYL-8.0t	1	MPUT0ACR008
31	○		2	FRONT LIGHT DECO PCB ASS'Y	-	3	APUT0PCB015
32	○		2	PUSH BUTTON L	16MM DC12V WECO	2	MZZZ0BUT056
33	○		2	IO PCB ASS'Y	-	1	APUF0PCB014
34	○		2	USB ONOFF PCB ASS'Y-1P	-	2	APUF0PCB011

NO.	PIC	LEVEL		PART NAME	SPEC.	QTY	CODE NO.
35		1		MAIN CASE ASS'Y			
36	○		2	AC INPUT ASS'Y	0717-1S, 10A	1	MELE0SWI014
37	○		2	COIN DOOR ASS'Y	AMCD-100A,1 COIN	1	AZZZ0COD002
38	○		2	COIN SELECTOR	SG-968	1	MZZZ0COS012
39	○		2	NUT	M6, WING NUT	8	-
40	○		2	KEY ASS'Y	7001	1	MZZZ0KEY032
41			2	TABLE TOP ACRYL	ACRYL-5.0t	1	APUT0ACR007
42			2	TABLE BASE ACRYL	ACRYL-5.0t	1	MPUT0ACR013
43			2	TABLE CENTER ACRYL	ACRYL-8.0t	1	MPUT0ACR014
44	○		2	AMP BOX ASS'Y	-	1	APUT0SYS001
45	○		2	MAIN BOX ASS'Y	MK6 NK	1	APUF0000001
46		1		WOOFER MASK ASS'Y			
47	○		2	WOOFER MASK ASS'Y	PC-6.0t	2	MPUT0PLA004
48	○		2	SPEAKER	12" WOOFER	2	MZZZ0SPE028
49	○		2	WOOFER SPEAKER LED PCB ASS'Y	-	8	APUT0PCB013
50	○		2	RUBBER BOLT	M6, ø20x16MM	26	MZZZ0RUB009
51		1		POWER BASE ASS'Y	-	1	
52	○		2	NOISE FILTER	ES1-F10	1	MELE0NOI006
53	○		2	LED CONTROL PCB ASS'Y	-	1	APUT0PCB010
54	○		2	POWER_SMPS	CSR028A UL_12V7A,5V8A	2	MELE0SMP034
55	○		2	AC JOIN SUB PCB ASS'Y	-	2	AZZZ0PCB081
56		1		SERVICE PANEL ASS'Y			
57	○		2	VOLUME PCB ASS'Y	-	1	APUT0PCB008
58	○		2	VOLUME KNOB	-	5	MELE0VOL006
59	○		2	ROCKER SWITCH	T-125 4P	1	MELE0SWI004
60	○		2	COUNTER LCD PCB ASS'Y	-	1	APUT0PCB014

STEP Part

61	○		2	NEW STEP ACRYL L-BLUE	-	2	APUT0ACR003
62	○		2	NEW STEP ACRYL L-RED	-	2	APUT0ACR002
63	○		2	NEW STEP ACRYL CENTER	-	1	APUT0ACR004
64	○		2	NEW STEP ACRYL R-BLUE	-	2	APUT0ACR006
65	○		2	NEW STEP ACRYL R-RED	-	2	APUT0ACR005

8-3. 사진

2	3	4	6	7	8
					
9	13	14	15	11,12,16,17	18
					
19	22	24	25	28	29
					
31	32	33	34	36	37
					
38	39	40	44	45	47
					
48,49	50	52	53	54	55
					
57	58	59	60	61	62
					
57	58	59			
