# CUCKOO OWNER'S MANUAL



## **IMPORTANT**

- Before using this product, read this manual carefully to understand the contents herein stated.
- After reading this manual, be sure to keep it near the product or in a convenient place for easy reference when necessary.

## 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 safty reasons.

• The following suggestions should be adhered to:



**A**WARNING

Disregarding could result in serious injury.



**A**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.

 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



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,
- · 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



Never unplug the game machine by pulling the power cord.



## **A**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



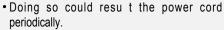
If there is any abnormality such as smoke, bad smell or abnormal noise being emitted from the machine, immediately turn OFF the main power switch and unplug the power cord from the receptacle to stop operating it.

 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.







## 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 modify the power cord.
- Do not twist the power cord.
- Do not pull the power 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.

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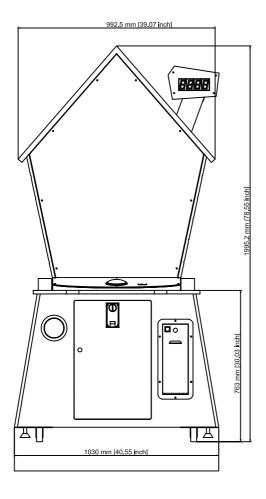
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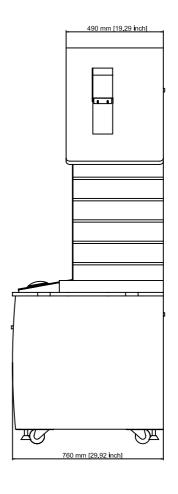
J. WIRING DIAGRAM

... 25

## A. SPECIFICATION AND DIMESIONS

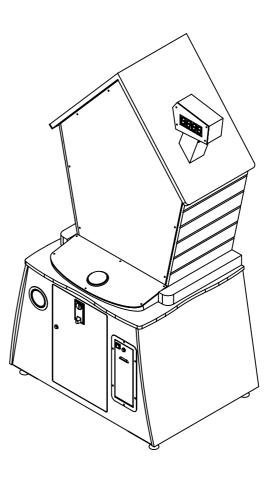
#### A-a. DIMENSIONS



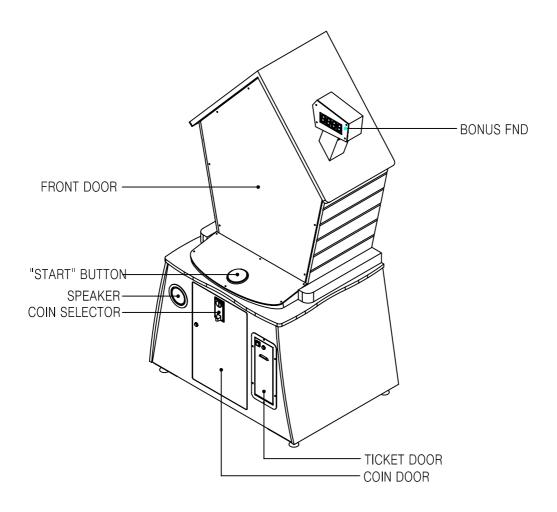


A-b. SPECIFICATION

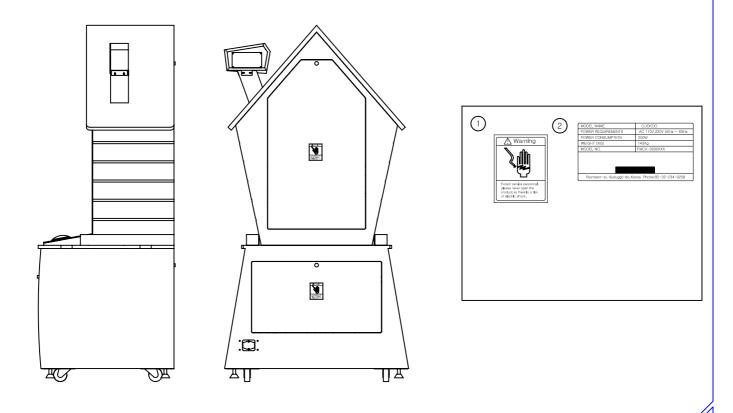
NOMINATED VOLTAGE RANGE	AC 110V / 220V
NOMINATED FREQUENCY RANGE	50Hz ~ 60Hz
POWER CONSUMPTION	200W
WEIGHT	143Kg(315lbs)



## B. NAME OF PARTS



## C. STICKER LOCATION



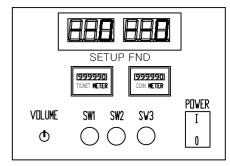
## E. SETUP MODE, CLEAR MODE, ERROR NO.

#### E-a. The first step of SETUP MODE

- Push SW1(SETUP) button to get into Setup Mode.
- Push SW2(MOVE) button to move to Setup Mode List.
- Push SW3(SERVICE) button to get into Data Setting Mode.
- Push SW1(SETUP) button to set up the data.
  - \* Get out of the SETUP MODE in the list of REAR.

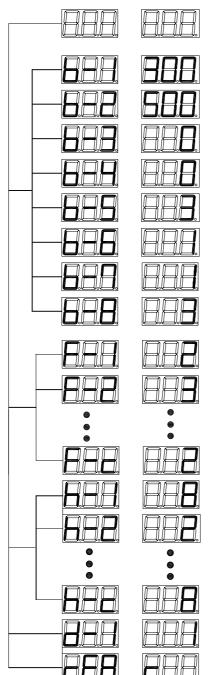






CONTROL PANEL

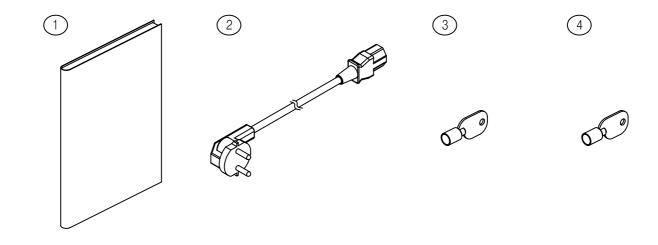
#### \* Setup Mode

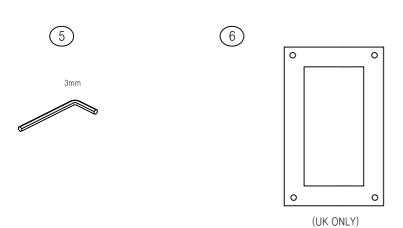


- \* BONUS INITIAL VALUE
- \* BONUS LIMIT VALUE
- \* MERCY TICKET
- \* TICKETS PER ONE CREDIT
- \* ARROW DIFFICULT(1~9)
- \* COINS PER ONE CREDIT
- \* SPEED OF ROTARY(WHEEL)
- \* SPEED OF ARROW MOVE
- \* ARROW F-1 TICKETS
- \* ARROW F-2 TICKETS
- \* ARROW F-c TICKETS
  - \* HOLE TICKET <H-1>
  - \* HOLE TICKET <H-2>
  - \* HOLE TICKET <H-c>
  - \* Demo sound on/off.
- \* Return to the GAME MODE after saving Setup Mode.

- \* "4" DEFAULT( CEC)
- \* "3" DEFAULT(GENERIC)

## D. COMPONENTS





No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MCUC0000002	1	MANUAL	CUCKOO
2	MELE0ACP001(120V) MELE0ACP008(220V)	1	AC POWER CORD.	-
3	MZZZ0KEY032	2	KEY	7001
4	MZZZ0KEY013	2	CASHBOX KEY	6001
5		1	WRENCH	3mm
6	MCUC0MEP044	1	COIN BRACKET(UK ONLY)	
7				

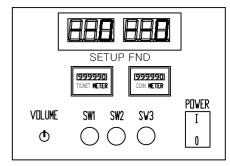
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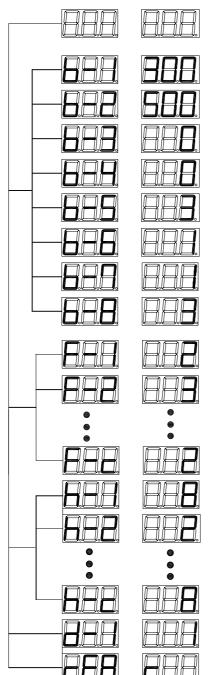






CONTROL PANEL

#### \* Setup Mode



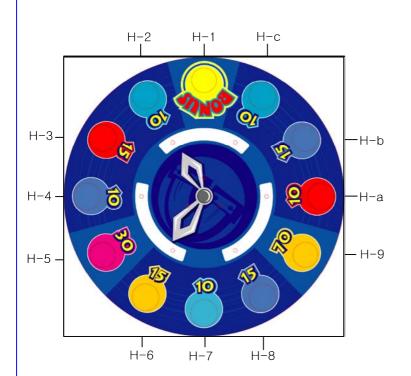
- \* BONUS INITIAL VALUE
- \* BONUS LIMIT VALUE
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- \* TICKETS PER ONE CREDIT
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- \* SPEED OF ARROW MOVE
- \* ARROW F-1 TICKETS
- \* ARROW F-2 TICKETS
- \* ARROW F-c TICKETS
  - \* HOLE TICKET <H-1>
  - \* HOLE TICKET <H-2>
  - \* HOLE TICKET <H-c>
  - \* Demo sound on/off.
- \* Return to the GAME MODE after saving Setup Mode.

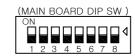
- \* "4" DEFAULT( CEC)
- \* "3" DEFAULT(GENERIC)

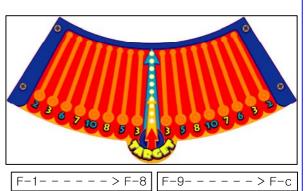
## E. SETUP MODE, CLEAR MODE, ERROR NO.

## E-b. Ticket values on the Sheet

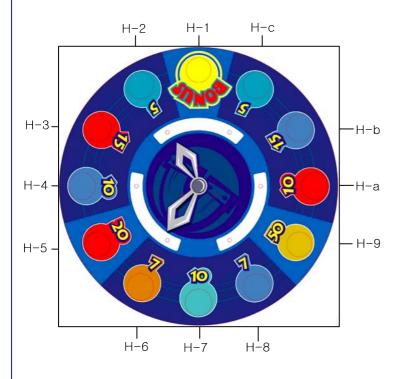
Generic Version

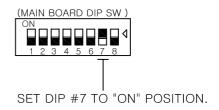


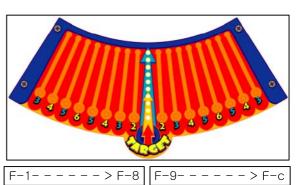




## **CEC** Version





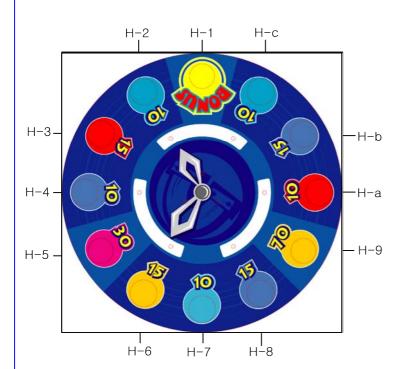


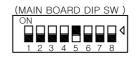
## program version 1.25

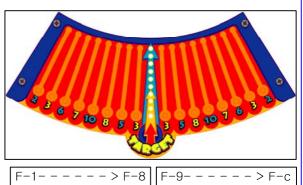
E. SETUP MODE, CLEAR MODE, ERROR NO.

E-bb. Ticket values on the Sheet

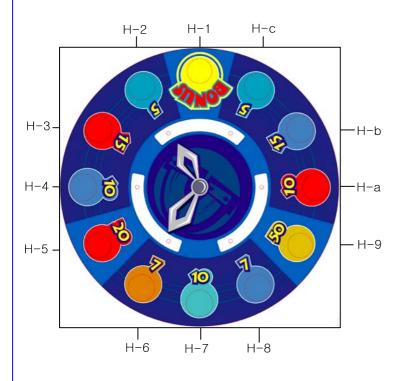
Generic Bonus skill Version

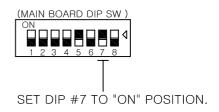


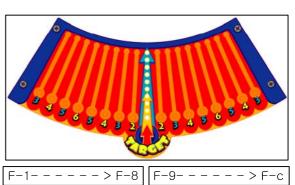




### CEC Bonus skill Version -



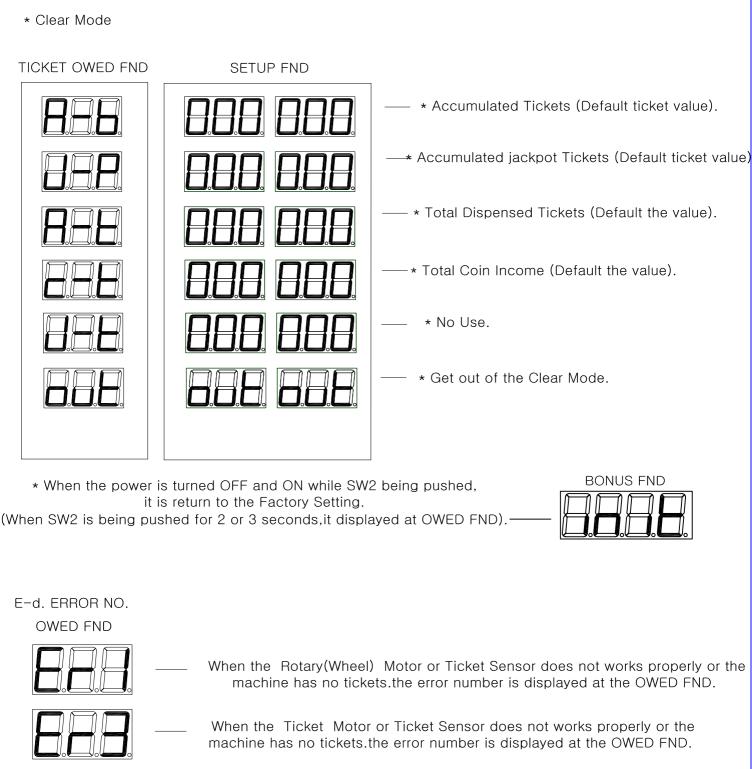




#### E. SETUP MODE, CLEAR MODE, ERROR NO.

#### E-c. The first step of CLAER MODE

- Push SW1(SETUP) button to get into Setup Mode.
- -Push SW3(SEVICE) Button to get into Clear Mode.
- -Push SW2(MOVE) button to move to setting values of Clear Mode.
- -Push SW3(ENTER) button to clear the data.
  - \* Push SW1(SETUP) button to get out of Clear Mode.



When the Elevator Motor or Switch does not works properly or the machine has no ball the error number is displayed at the OWED FND.

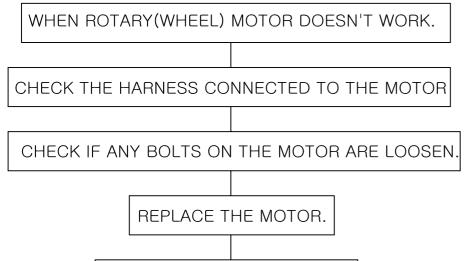
#### F. TROUBLE SHOOTING

\* F-a. ERROR NO 1.

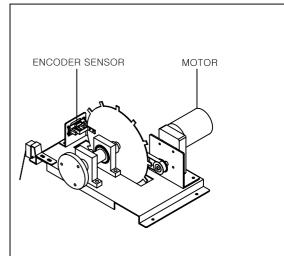


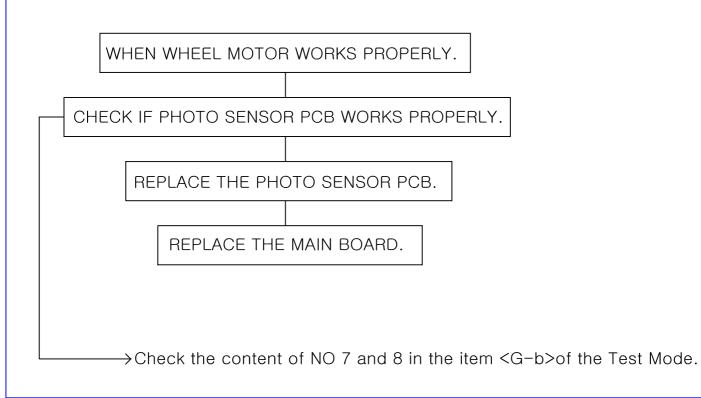
#ROTARY(WHEEL) MOTOR 또는 ENCODER SENSOR does not works properly.

- Refer to TEST MODE 7-1



REPLACE THE MAIN BOARD.





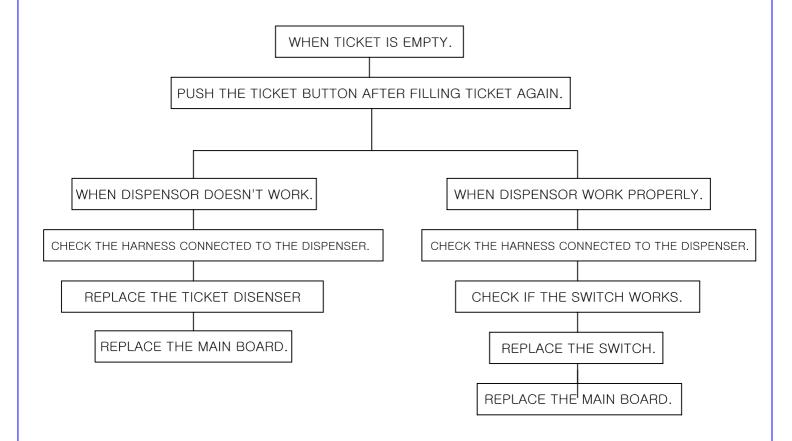
## F. TROUBLE SHOOTING

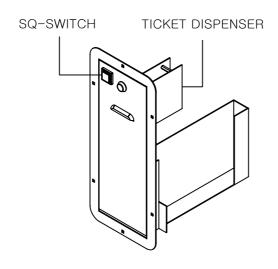
\* F-b. ERROR NO 3.



#WHEN TICKET DISPENSOR DOESN'T WORK OR TICKET IS EMPTY.

- TEST ACCORDING TO TEST MODE 2-1
- CONFIRM THE STATUS OF MOTOR ATER TESTING.



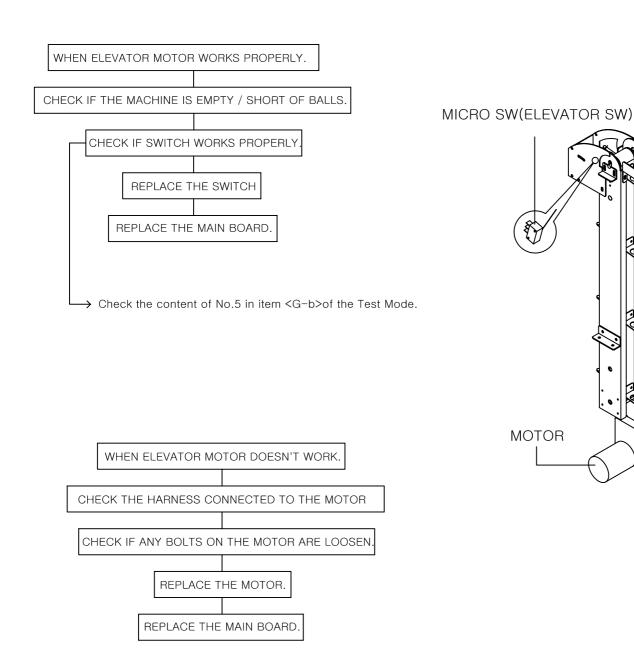


## F. TROUBLE SHOOTING

\* F-c. ERROR NO 5.

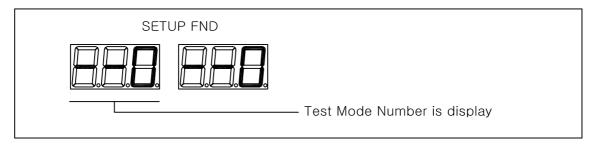


- # WHEN THE MACHINE IS EMPTY / SHORT OF BALLS. WHEN ELEVATOR MOTOR OR SWITCH DOESN'T WORK
  - TEST ACCORDING TO TEST MODE 6-1



## G. TEST MODE

- \* G-a. The first step of TEST MODE.
  - You can get into TEST MODE when the machine turns ON while SW3(SERVICE)being pushed.
  - Push SW1(SETUP)button to move to MODE MENU.
  - Push SW3(SERVICE) button to set up the setting values.

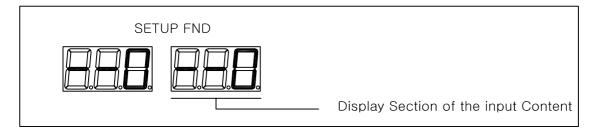


NO.	SETUP FND	CONTENTS
1		ALL DISPLAY OFF
2		ALL DISPLAY ON
3	888	TICKET DISPENSER MOTOR OFF
4		TICKET DISPENSER MOTOR ON
5	888	TICKET EMPTY LAMP OFF
6	888	TICKET EMPTY LAMP ON
7	888	COIN COUNTER ON(SW3 PUSH)
8		TICKET COUNTER ON(SW3 PUSH)
9	888	ELEVATOR MOTOR OFF
10	888	ELEVATOR MOTOR ON
11	888	ROTARY (WHEEL) MOTOR OFF
12	888	ROTARY (WHEEL) MOTOR ON
13		TEST MODE EXIT

## G. TEST MODE

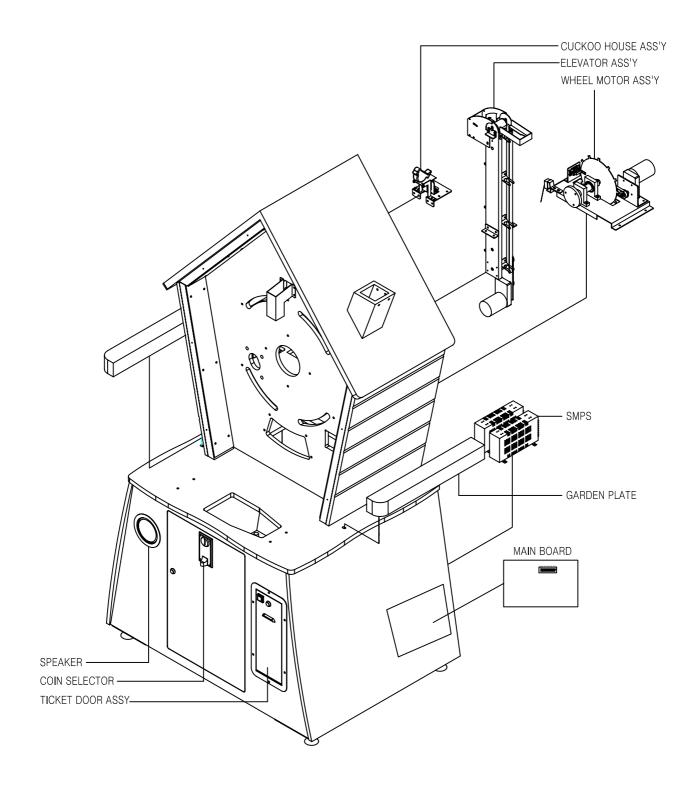
#### G-b. SENSOR or SWITCH TEST

- Followings are displayed at the SETUP FND when each sensor and Switch is sensed.

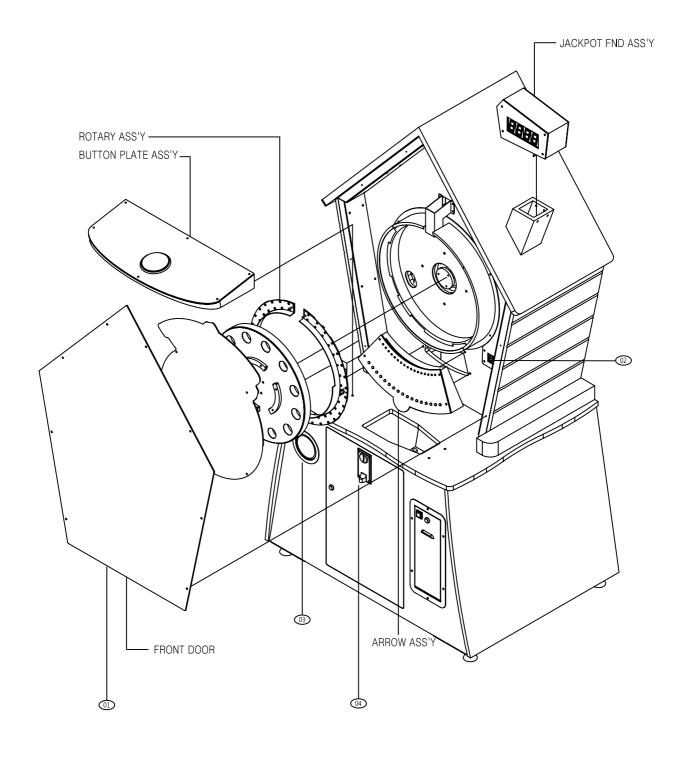


NO.	CONTENTS	SETUP FND
1	TICKET DISPENSER SENSOR	
2	TICKET EMPTY SWITCH	
3	COIN SWITCH	
4	BUTTON SWITCH	
5	ELEVETER SWITCH	
6	BALL OUT SWITCH	
7	POSITION SENSOR	
8	POSITION HOME SENSOR	

H-a. ROTARY(WHEEL) MOTOR ASS'Y, ELEVATOR ASS'Y & ETC

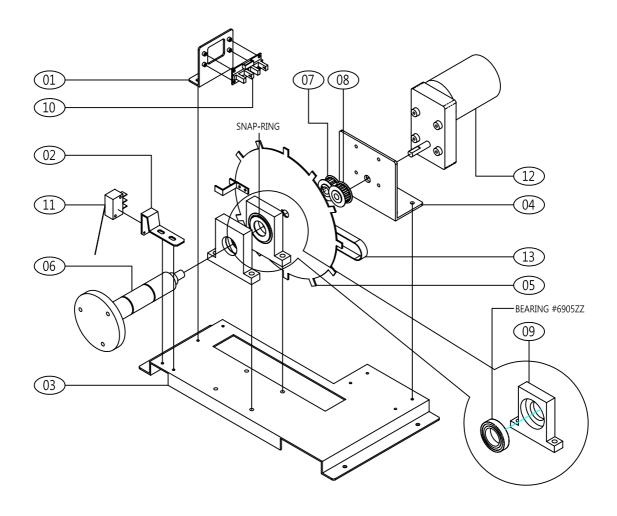


H-b. ROTARY ASS'Y, ARROW ASS'Y & BUTTON PLATE ASS'Y & ETC



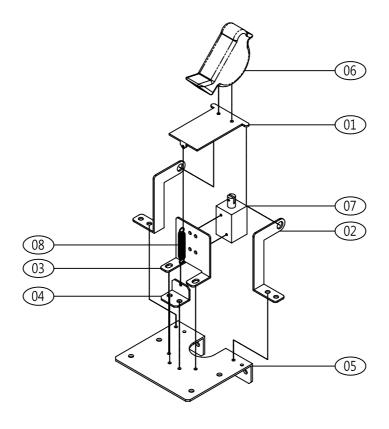
No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MCUC0ACR005	1	FRONT DOOR ACRYL	CUCKOO
2	ACUC0PCB006	1	TICKET OWED PCB	-
3	MZZZOSPE004	1	SPEAKER	MID 4.5 8음80W
4	MZZZ0COS013	1	COIN SELECTOR	SG-628
5				
6				
7				

H-c. WHEEL MOTOR ASS'Y

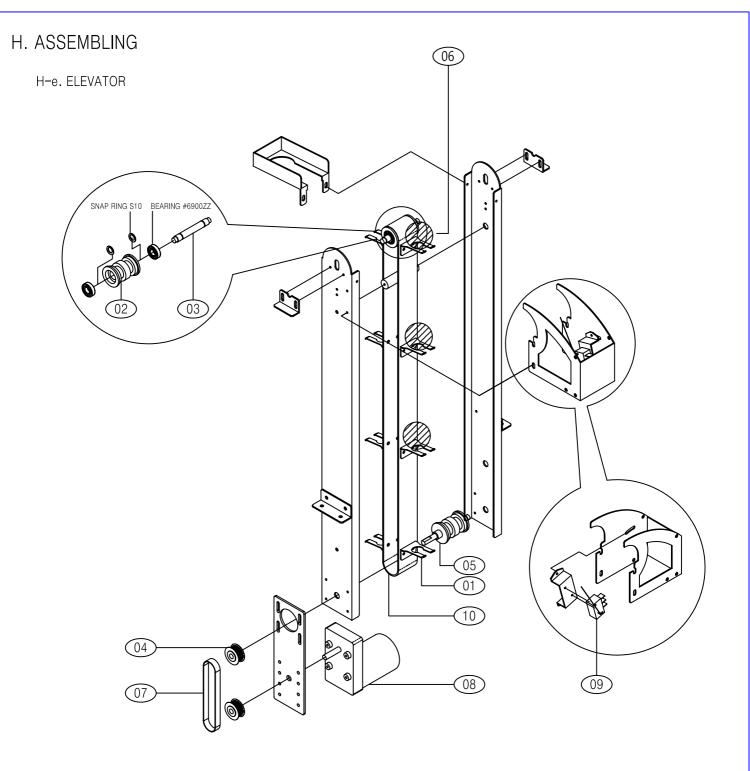


No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MCUCOMEP001	1	SENSOR BRACKET	FWCK-WB004
2	MCUCOMEP002	1	MICRO S/W BRACKET	FWCK-WB006
3	MCUCOMEP003	1	WHEEL MOTOR BASE	FWCK-WB001
4	MCUCOMEP004	1	MOTOR BRACKET	FWCK-WB002
5	MCUCOMEP005	1	SENSOR VANE	FWCK-WB003
6	MCUC0PRO008	1	R-SHAFT	80*151L
7	MCUC0PRO009	1	TIMMING PULLEY	13XL 33F
8	MCUC0PRO009	1	TIMMING PULLEY	13XL 33F
9	MCUC0PRO007	2	BEARING HOUSING	-
10	ACUC0PCB002	1	R/T-SENSOR PCB	2 TYPE
11	MELEOMIC002	1	MICRO SWITCH	CNR-05H-03
12	MCUC0MOT001	1	R-MOTOR	KGY-360-6080D1
13	MWET0BEL001	1	TIMMING BELT	120XL037

H-d. CUCKOO HOUSE

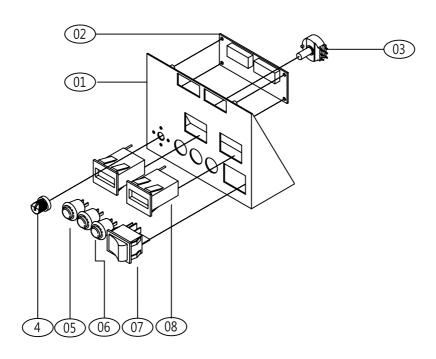


No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MCUC0MEP006	1	CUCKOO PLATE	FWCK-CH009
2	MCUC0MEP007	2	HINGE BRACKET	FWCK-CH008
3	MCUC0MEP008	1	SOLENOID BRACKET	FWCK-CH010
4	MCUC0MEP009	1	1 SPRING BRACKET	
5	MCUC0MEP010	1	1 CUCKOO BODY	
6	MCUC0VAC001	1	CUCKOO VACUUM FORMING	-
7	MCUC0000004	1	SOLENOID	SD08A(12V)



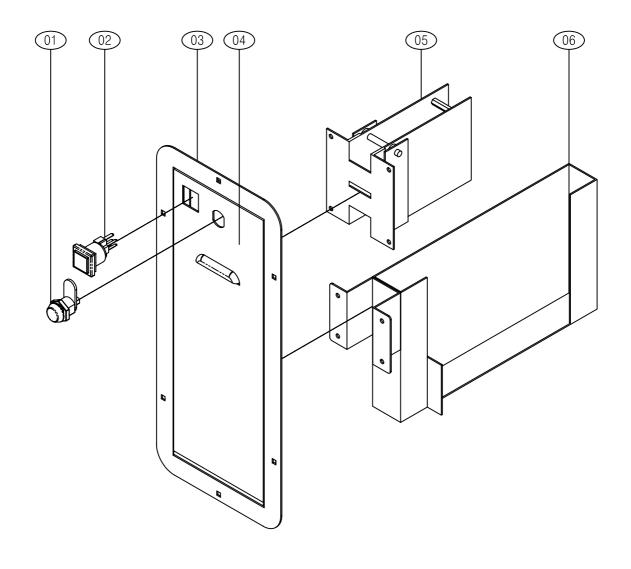
No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MCUC0MEP017	7	BALL ATTACHMENT	FWCK-EL018
2	MCUC0PRO003	1	E/L TAIL PULLEY	FWCK-MC005E
3	MCUC0PRO005	1	TAIL SHAFT	FWCK-MC006E
4	MCUC0PRO006	2	R-TIMMING PULLEY	13XL 33F
5	MCUC0PRO002	1	E/L HEAD PULLEY	FWCK-MC004E
6	MCUC000001	4	BALL	35mm
7	MWET0BEL002	1	TIMMING BELT	110XL037
8	MCUC0MOT002	1	MOTOR	KGY-55-6080D1
9	MELE0MIC002	1	MICRO SWITCH	CNR-05H-03
10	MCUC0BEL001	1	CON'V BELT	1320LX2T

H-f. AC SW & BUTTON PANEL



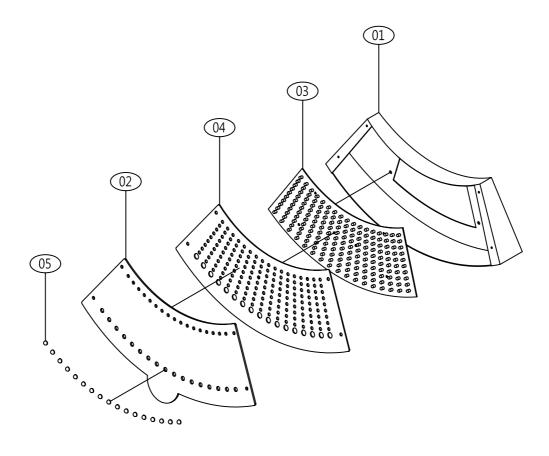
No.	CODE NO.	QUANTITY PART NAME		SPECIFICATION
1	MCUC0MEP033	1	AC POWER SWITCH BRACKET	FWCK-OU035
2	ACUC0PCB001	1	SET UP PCB ASS'Y	-
3	MELE0VOL008	1	VOLUME	BY25Y-10K
4	MELE0VOL006	1	VOLUME KNOB	-
5	MELE0PUS002	2	PUSH BUTTON SWITCH	DS412W
6	MELE0PUS001	1	PUSH BUTTON SWITCH	DS412R
7	MELE0SWI004	1	ROCKER SWITCH	-
8	MZZZ0COU002	2	COUNTER	AMMC-712

H-g. TICKET DOOR



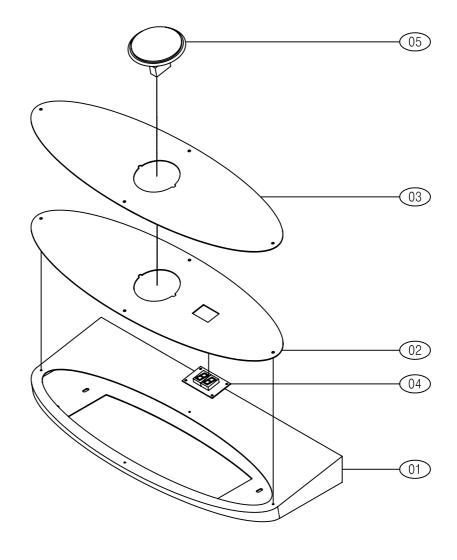
No.	CODE NO.	QUANTITY	PART NAME		SPECIFICATION
1	MZZZ0KEY032	1		KEY	
2	MHA2000007	1		SQ-SWITCH	
3	MCUC0MEP020	1	TICKET DOOR ASSY	TICKET DOOR-A	-
4		1	TICKET DOOR ASST	TICKET DOOR-B	-
5	MZZZ0TID003	1	TICKET DISPENSER		CLECO
6	MCUC0MEP021	1	TICKET BOX		-

H-h. ARROW



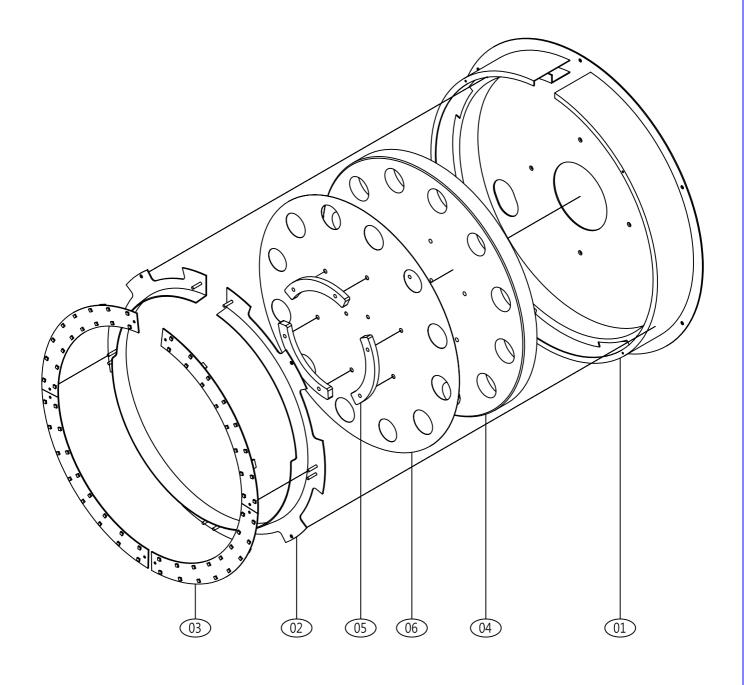
No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION	
1	MCUC0MEP022	1	ARROW BODY	-	
2	MCUC0ACR004	1	ARROW ACRYL	=	
3	ACUC0PCB007	1	ARROW PCB ASS'Y	-	
4	MCUC0MEP023	1	ARROW PCB BRACKET	-	
05	MWOL0PLA001	17	LED CAP	-	

H-i. BUTTON PANEL



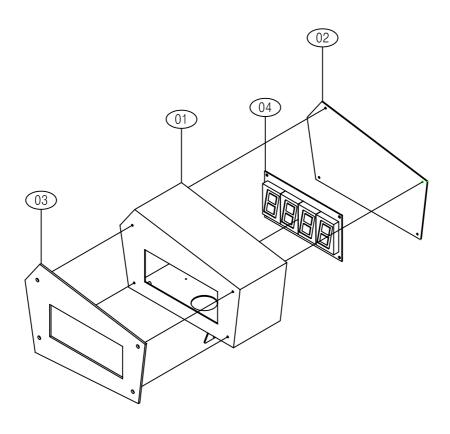
No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MCUC0MEP024	1	BUTTON PANEL	FWCK-BP026
2	MCUC0MEP025	1	BUTTON COVER	FWCK-BP027
3	MCUC0SHE004	1	BUTTON ACRYL	KMCC-SKS-ACRYL-004A
4	ACUC0PCB011	1	CREDIT PCB ASS'Y	-
5	ACMO000005	1	BUTTON(100mm)	-

H-j. ROTARY(WHEEL)



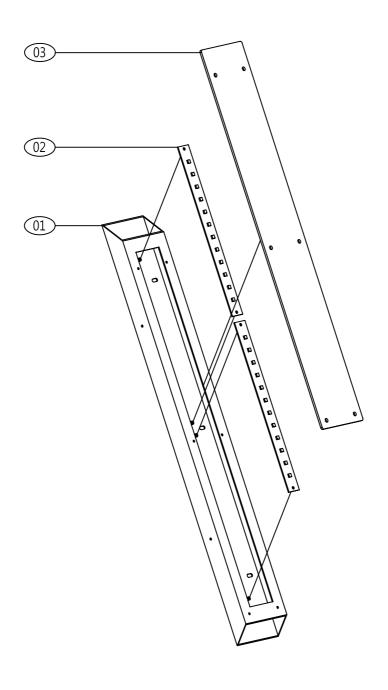
No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MCUC0MEP026	1	ROTARY BODY	FWCK-RW028
2	MCUC0MEP027	1	PCB BRACKET	FWCK-RW029
3	ACUC0PCB008	4	BONUS RIGHT-PCB	-
4	MCUC0WOO001	1	BONUS GAME PLATE	-
5	MCUC0ACR003	9	BONUS BALL GUARD ACRYL	-
6	MCUC0SHE015	1	BONUS GAME PLATE SHEET	-

H-k. BONUS FND ASS'Y



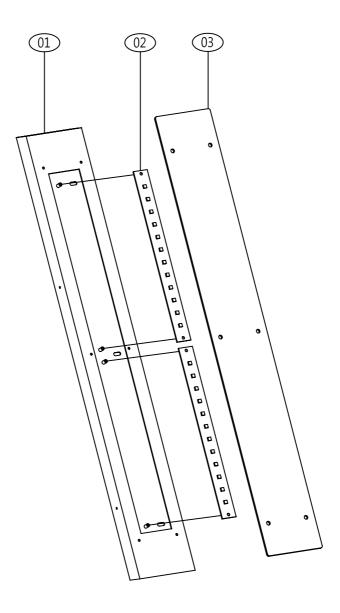
No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MCUC0MEP028	1	BONUS FND BODY	-
2	MCUC0MEP029	1	COVER	-
3	MCUC0SHE002	1	SHEET BONUS ACRYL	KMCC-SKS-ACRYL-002A
4	ACUC0PCB005	1	BONUS F.N.D PCB	-

H-m. TOP LED LIGHT CASE



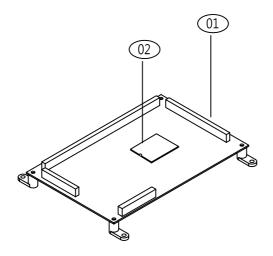
No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MCUC0MEP030	1	TOP RIGHT-BRACKET	-
2	ACUC0PCB003	2	TOP RIGHT-LED PCB	-
3	MCUC0ACR001	1	ACRYL UPPER- RIGHTING(R/L)	-

H-n. SIDE LIGHT LED CASE



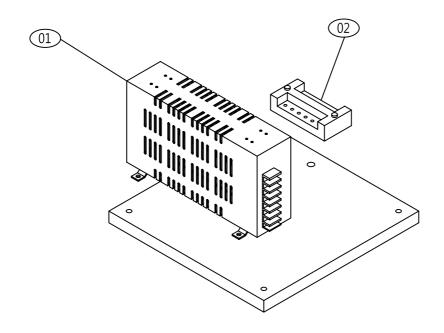
No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MCUC0MEP031	1	SIDE RIGHT-BRACKET	-
2	ACUC0PCB003	2	SIDE RIGHT-LED PCB	-
3	MCUC0ACR002	1	ACRYL SIDE-RIGHTING	-

H-O.MAIN BOARD



No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	ACUC0PCB009	1	MAIN BOARD ASSY	-
2	ACUC0PCB010	1	CPU BOARD ASSY	-

#### H-P. POWER ASSY

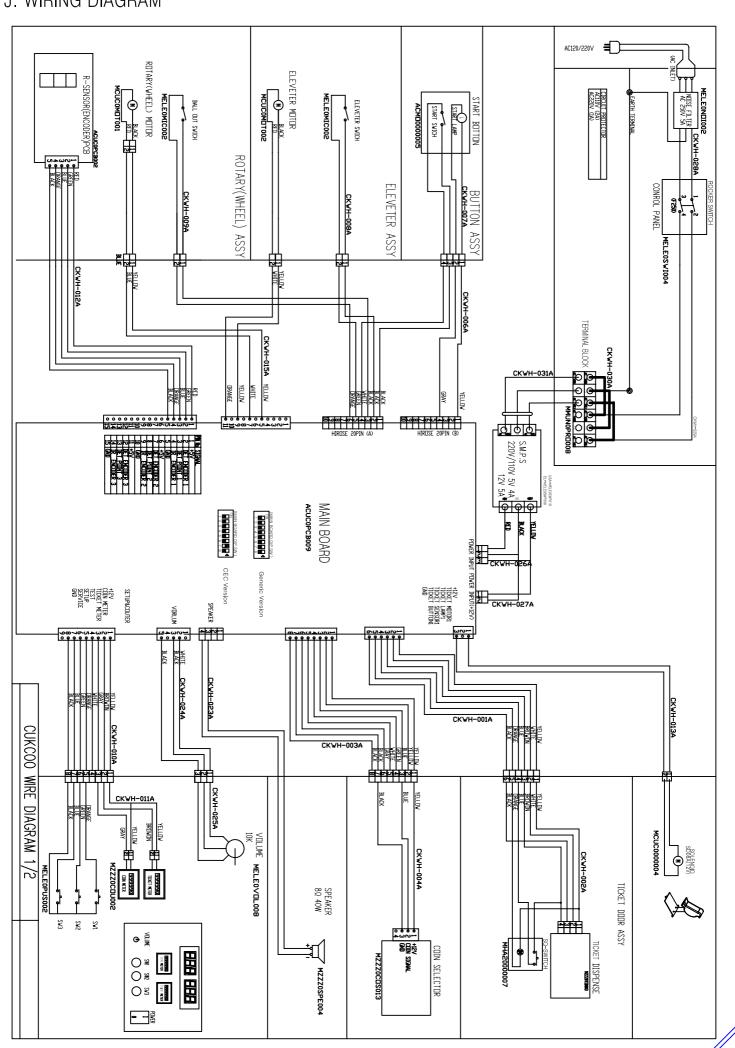


No.	CODE NO.	QUANTITY	PART NAME	SPECIFICATION
1	MELEOSMP018 MELEOSMP008	1	POWER-SMPS CSR028A POWER-SMPS MSF60-BDW	DC5V-4A 12V-5A
2	MELE0TEB003	1	TERMINAL BLOCK	6P UL
3				

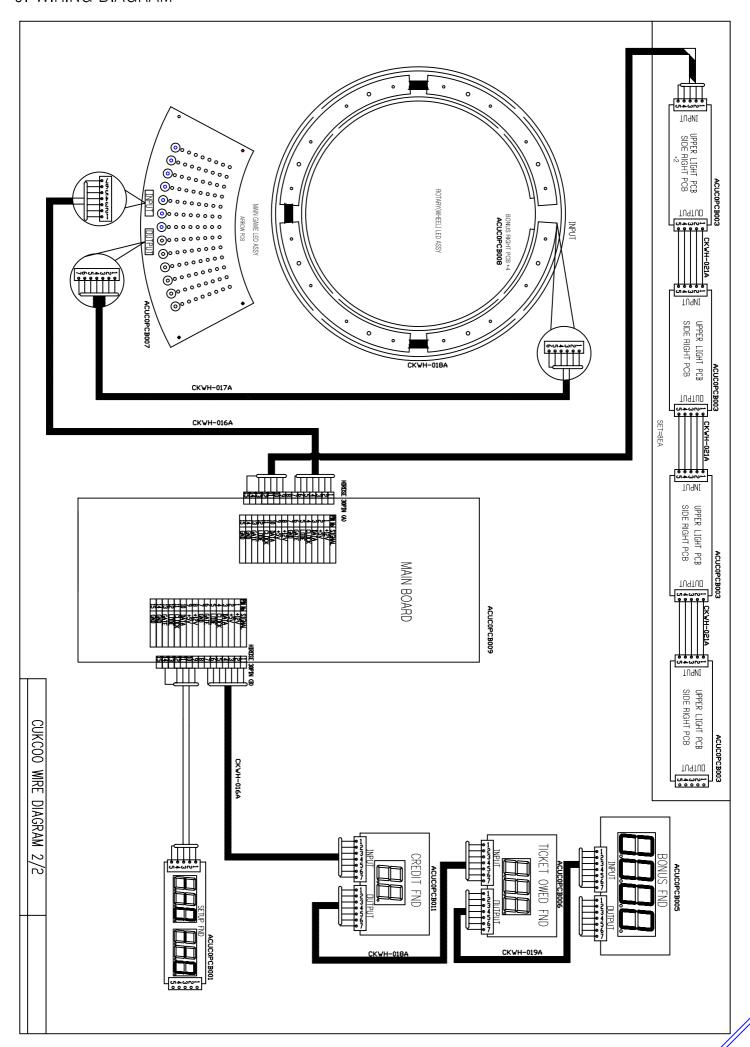
# CUCKOO SHEET

		Image	Standard	Quantity	Material	Sheet No.	Code No.
	1	Ö	BILLBOARD 514.8X693,8	1EA	acryl silk screen	kmcc-sks-acryl-001A	MCUC0SHE001
	2	PONUS	BONUS 256,7X168	1EA	acryl silk screen	kmcc-sks-acryl-002A	MCUCOSHE002
	3	. MOSTITOMID.	TICKET OWED 125.5X83.7	1EA	acryl silk screen	kmcc-sks-acryl-003A	MCUCOSHE003
	4		BUTTON 641X197.5	1EA	acryl silk screen	kmcc-sks-acryl-004A	MCUC0SHE004
	5	л	TOP DECO 73,5X670,5	1SET=L/R	PET silk screen	kmcc-sks-PET-005A	MCUC0SHE005
	6		FRONT INNER 701X787.9	1EA	silk screen	kmcc-sks-006A	MCUCOSHE006
Common	7		WINDOW A/ 119,5X117,6 B/ 53,6X98,5	1SET=A/B	silk screen	kmcc-sks-007A	MCUCOSHE007
	8	**************************************	HOW TO PLAY 640,5X146	1EA	silk screen	kmcc-sks-008A	MCUCOSHE008
	9		MIDDLE DECO-TOP 520X64	1SET=L/R	silk screen	kmcc-sks-009A	MCUCOSHE009
	10		SIDE L/ 626X511 R/ 614.9X511	1SET=L/R	silk screen	kmcc-sks-010A	MCUCOSHE010
	11	TICKETS	TICKETS 136X85	1EA	silk screen	kmcc-sks-011A	MCUCOSHE011
	12		UNDER FRONT DOOR 380X410	1EA	silk screen	kmcc-sks-012A	MCUCOSHE012
	13		MIDDLE DECO- SIDE 571X56	2EA	silk screen	kmcc-sks-013A	MCUCOSHE013
	14		EPILEPSY WARNING STICKER 132X26	1EA	print	kmcc-p-016A	MCUCOSHE018
	15		MAIN GAME PLATE 461.6X233.5	1EA	Light print	kmcc-p-014A-EU	MCUC0SHE014
Generic	16		BONUS GAME PLATE 448	1EA	print	kmcc-p-015A-EU	MCUC0SHE015
	17	<u>Z</u>	RECYCLE 38,1X63,5	1EA	print	kmcc-p-017-EU	MCUCOSHE019
CEC	18		MAIN GAME PLATE 461,6X233,5	1EA	Light print	kmcc-p-014B-CEC	MCUCOSHE016
CEC	19		BONUS GAME PLATE 448	1EA	print	kmcc-p-015B-CEC	MCUCOSHE017

## J. WIRING DIAGRAM



## J. WIRING DIAGRAM





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