- \* ANDAMIRO WARRANTS the parts from date of shipment as follows.
  - One Year Limited Warranty: Electronic Boards
  - 6 Month Limited Waranty: Moving Parts

# **CONTENTS**

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# [1. ERROR CODE]

ERROR CODE	TICKETS FND DISPLAY	ERROR TYPE	NOTE	СНЕСК ЦЅТ	
EO-1		SETUP LCD	No Response of SETUP LCD	Check SETUP LCD (Game will be played normally)	
E0-2			Failure of Reading and Writing the Memory of SETUP saved data.	Replace MainBoard if problem continues to happen when turning on/off the power.	
E0-3		SYSTEM	Saved SETUP data problem.	Enter into SETUP Mode and check the setting and save it. Replace MainBoard if problem continues to happen.	
E0-4			Failure of Reading and Writing the Memory of SETUP saved data.	Replace MainBoard if problem continues to happen when turning on/off the power.	
E1-1		Coin Selector	Coin 1 sensor signal continues.	<ol> <li>Check Coin Selector 1(Coin Switch)</li> <li>Check DIP Switch N/O Setting.</li> </ol>	
E3-1			Malfunctioning of Left Limit Switch.	1. Check Functioning of switch	
E3-2		Goal Keeper	Malfunctioning of Right Limit Switch.	1. Check functioning of switch.	
E3-3			Malfunction of Motor	Check functioning of StepMotor     Check functioning of     Left/Right Limit Switch.	
E6-1			No Encoder Signal Change.	<ol> <li>Check functioning of Motor.</li> <li>Check status of Encoder Sensor.</li> </ol>	
E6-2	<b>E</b> B.B.2.	Ball Elevator	Ball Releasing Problem.	Check existence of ball.     Check ball releasing sensor.	
E6-3			Non-existence of Ball.	1. Check existence of ball 2. Check if there is anycongested area.	
E8-1			Continuous Error of Goal Post Signal.	Check Goal Post Sensor.	
E8-2	<b>EBB</b>	Goal Post IR Sensor	No Signal of Goal Post	Check GoaPost Sensor.	
E8-3			Generating signals during	1. Check foreign material of goal post. 2. Check Sensor defect.	
Et-1			Non-Existence of Ticket or	Check Existence of Ticket or	
Et I		<b>T' 1</b> . <b>-</b>	Non-movement of Ticket Motor.	Functioning of Ticket Dispenser.	
Et-2		Ticket Error	Tickets jamming or Act in reverse way of Ticket Sensor Signal.	<ol> <li>Check if tickets are jammed.</li> <li>Check status of Ticket Dispenser</li> <li>DIP switch sensor.</li> </ol>	

<sup>\*</sup> Games can be played against E0 - 1, Et - 1, Et - 2 errors but other errors make it impossible to play games.

# [2. TEST MODE]

TEST MODE	TEST MODE						
LCD DISPLAY SET VALUE		DESCRIPTIONS					
1.INPUT TEST	Basic Test	The basic status of switch can be checked at a status in which the cursor is on Input test items instead of entering into serve menu.  Output Contents per each switch.  Start button: Zero.  Service button: One.  Ticket button: Two.  Keeper left switch: Three.  Keeper right switch: Four.  Elevator ball switch: Five.  Goal gate IR sensor: One goal.  Goal gate hole switch: Two goal.					
	[=>]	Enter into confirming mode of input state. (Refer to separate input test items)					
	[=>]	Only when pressing SELECT Button it is possible to enter into Confirmation Mode of Sensor Status.					
		Time FND Display: Display of Test Count(1~30), ""is Standby Status.					
		Goals FND Display: PS Without Check Observation CK With Check Observation.					
		Ticket FND, Big Win FND Display: Display of perceived beat value of sensor.					
2. GOAL GATE		In case all is sensed, Big Win FND shows FFFF and Ticket FND shows FFFc.					
		"0~,15~," at Set Up LCD displays the "Check Status" of each sensor.					
		Display of status from 0 to 29 at upper part of goal post: if checked, it shows "V".  When Check is 30, it means "All Checked"					
		Sensor Version is shown as SV at the bottom of Set Up LCD right side. When pressing the SELECT Button, Check Value will be initialized. When getting out due to long test hour, press CANCEL Button for a long time.					

	LAMP, FND, LED Operation Test.					
	"OFF" Turn off all Lamp, FND and LED.					
		LAMP	Flickering On/Off at all Lamps in following sequence Ticket Lamp ▶ Button Lamp ▶ BIGWIN Lamp ▶ Spot Left Lamp ▶ Spot Right Lamp ▶ Goal Gate Lamp (Proceeding in sequenc e from the bottom to upper direction)			
3. FND & LAMP	"STEP"	FND	Flickering On/Off at all FNDsrepeating in following sequence ->Count the number 1111 ~ 9999 ->Credit FND: 00 / Score 5 FND 111 / Score 4 FND 222 / Score 3 FND 333 / Score 2 FND 444 / Score 1 FND 555 / Goals FND 66 / Times FND 777 / Tickets FND 8888 / BIG WIN FND 9999			
		WS2813	The color of All LED changes in sequence of Red, Green, Blue and White.			
		BUTTON LED	The whole ON, OFF flickering Color changes in sequence Red, Green, Blue and White.			
	"ON"	Turn On all Lamp, FND and LED.  (This value will be maintained at other test mode if they are ON status)				
	"ON/OFF"	Repeating ON, OFF				
	Ball Elevator C	peration T	est.			
	"OFF"	Stop Ball Elevator.				
	"ON"	Operate l	Ball Elevator.			
	Display of Goals FND: display of motor On/OFF [Move:On, Stop: Off]					
4.ELEVATOR	Display of Tickets FND:					
	1 <sup>st</sup> place: Status of Motor encorder "_": Off, "1": On					
	2 <sup>nd</sup> place: Ball Check Sensor "_": Off, "1": On					
	Adjust the interval of automatic releasing the ball with Left and Right button:  Minimum 50 to Maximum 300 per 10 Displayed at Times FND (100 = One second)					
	Operation test	of Goal K	eeper Motor.			
	"OFF"	Stop at C	enter position.			
	"LEFT"		r moving to left.			
5.KEEPER MOT	"RIGHT"	-	r moving to right.			
	"CENTER"		r moving to center.			
	Indicating the coordinate value in motion at TICKET FND as a criterion of "0" at left side. When pressing SELECT Button, it changes in sequence of Left, Right, center and OFF.					
	"OFF", "ON"	Operatio	n of Coin selector.			
	Goals FND Di	splay : D	isplay of Inhibit movement, On/Off of coin selector,			
6.COIN	[Move:On, St	op: Off]				
	Times FND Display: Coin input signal. (On: input signal, Off: No signal) Ticket FND Display: Display of number of input coins. When pressing SELECT Button, "ON" and "OFF" are functioning.					

	"OFF", "ON"	Ticket dispensing operation test. (Dispensing 3 tickets basically)			
7. TICKET	Time FND Display: Display of Movement and On/Off ticket dispenser. [Move:On,				
7. HCKET	Stop: Off]	Stop: Off]			
	Ticket FND Display: Display of number of dispensed ticketsand status of error.				
	"COIN"	Movement of coin counter.			
	"TICKET"	Movement of ticket counter.			
8. COUNTER	When pressin	g "SELECT" button after selecting "Coin" or "Ticket" by Left/Right			
	button, The counter is increased by "1".				
9. SOUND TEST	[=>] Enter into "Sound Test" Mode.				
EXIT	Exit to SET UP mode.				

### TEST MODE -> INPUT TEST

Input Test displays INPUT which can be checked with naked eyes in front of the machine Exit in case pressing the Cancel Button.

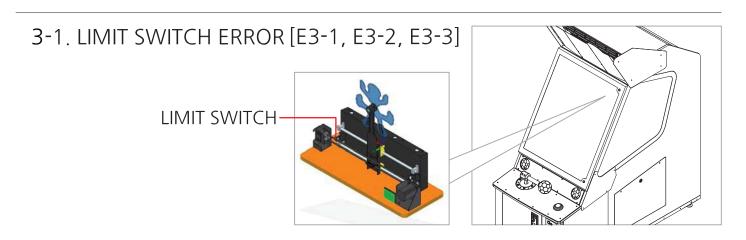
LCD DISPLAY	STATUS	DESCRIPTIONS
GAME BUTTON	Off, On	Status of Game Button.
SERVICE B UTTON	Off, On	Status of Service Button.
TICKET SENSOR	Off, On	Status of Ticket Sensor.
TICKET BUTTON	Off, On	Status of Ticket Button.
COIN SENSOR	Off, On	Status of Coin Sensor.
BILL SENSOR	Off, On	Status of Bill Acceptor Sensor.
GOAL IR SENSOR	Off, On	Status of Goalpost Sensor.
GOAL HOLE S/W	Off, On	Status of Hole Switch a t the Bottom of Goalpost.
OUTPUT S/W	Off, On	Status of Ball Check Sensor at the Top of Elevator.
KEEPER LEFT S/W	Off, On	Status of Limit Switch at Left -side of Keeper.
KEEPER RIGHT S/W	Off, On	Status of Limit Switch at Right -side of Keeper.
SETUP UP	Off, On	Status of Button above SETUP.
SETUP DOWN	Off, On	Status of Button below SETUP.
SETUP LEFT	Off, On	Status of Button at Left -side of SETUP.
SETUP RIGHT	Off, On	Status of Button at Right -side of SETUP.
SETUP SELECT	Off, On	Status of SETUP Select.
SETUP CANCEL	Off, On	Status of SETUP Cancel.
SERVICE BUTTON	Off, On	Status of Service Button.
0:	To check inte	ernal switch and status of sensor with the value 0 and 1.
0000000000000000	0 -No Input	
1:	1 -Existence	of Input
0000000000000000		
2:		
0000000000000000		

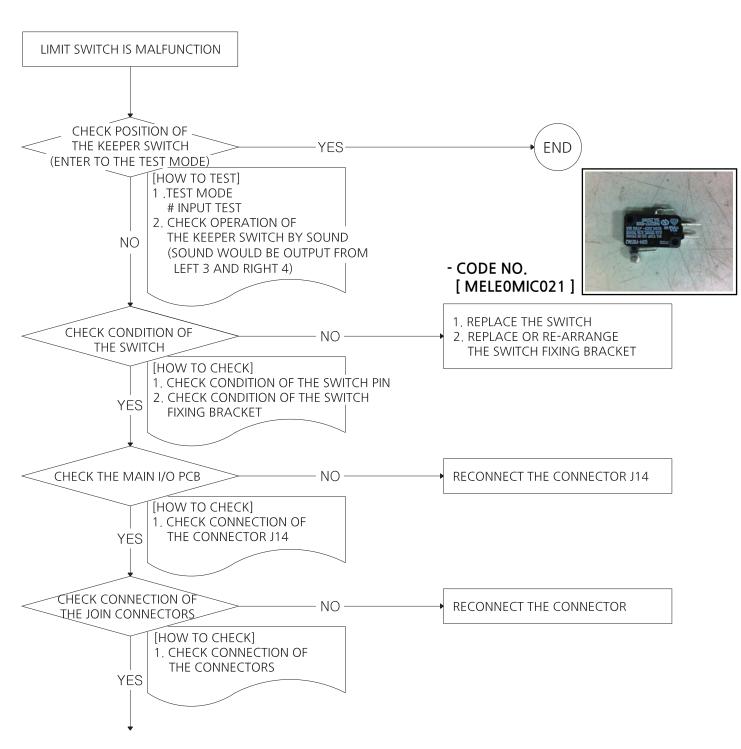
TEST MODE -> SOUND TEST					
LCD DISPLAY	D DISPLAY SET VALUE DESCRIPTIONS				
TEST	"Channel"	Output of Sound "One, Two, ~ Seven" per channel.			
	"BGM" Output Test of Back-ground Music.				
	"FX"	Output Test of Sound Effect.			
	"VOC"	Output Test of Voice.			
-EXIT-	Exit to Previous Menu.				

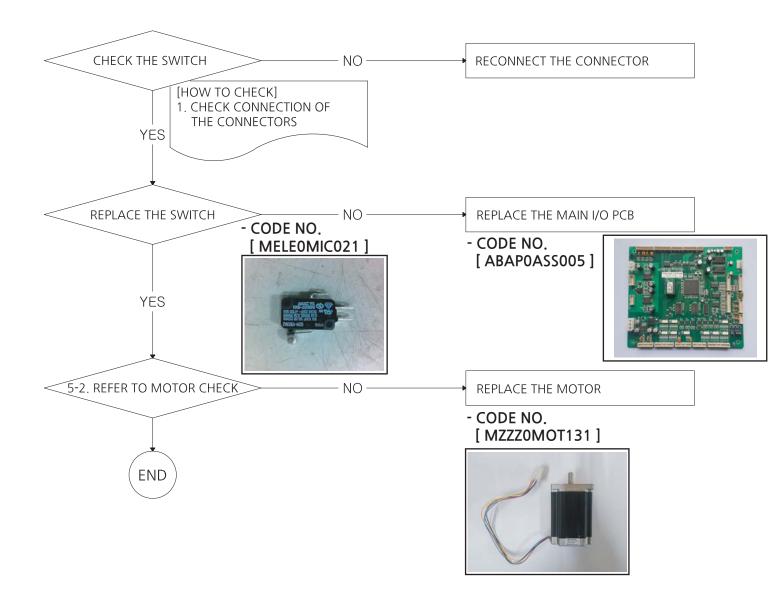
EXIT	
Exit to Previous Menu (SETUP MODE)	SELECT Button: Press the Button

### [3. TROUBLESHOOTING]

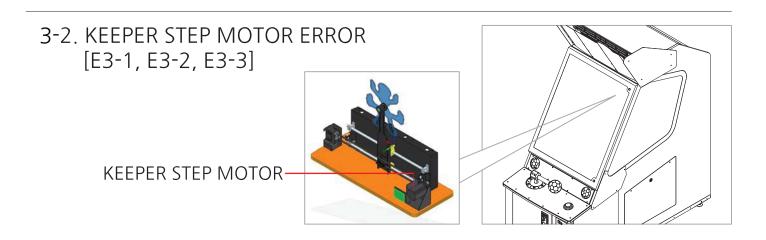
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- \* "NO": Means faulty of the check up result.

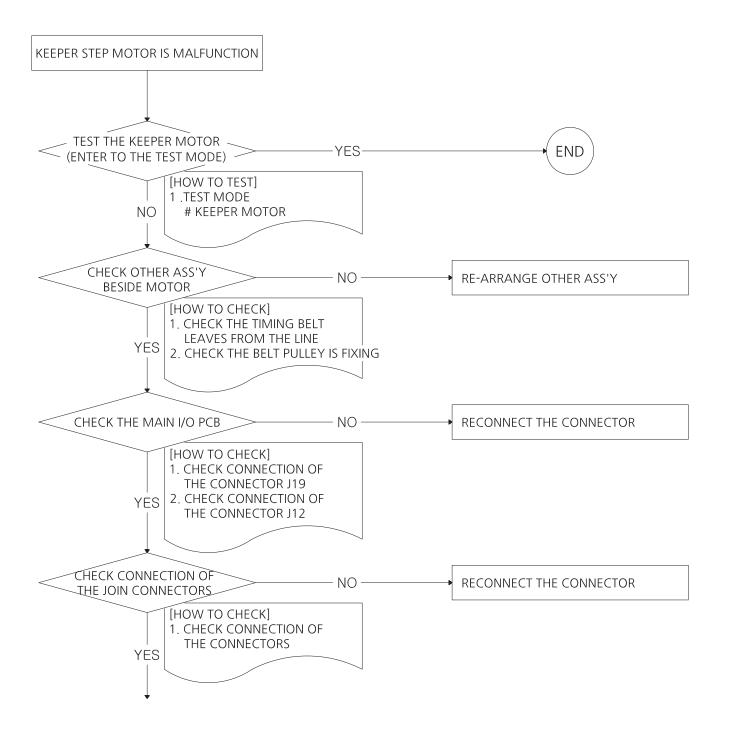


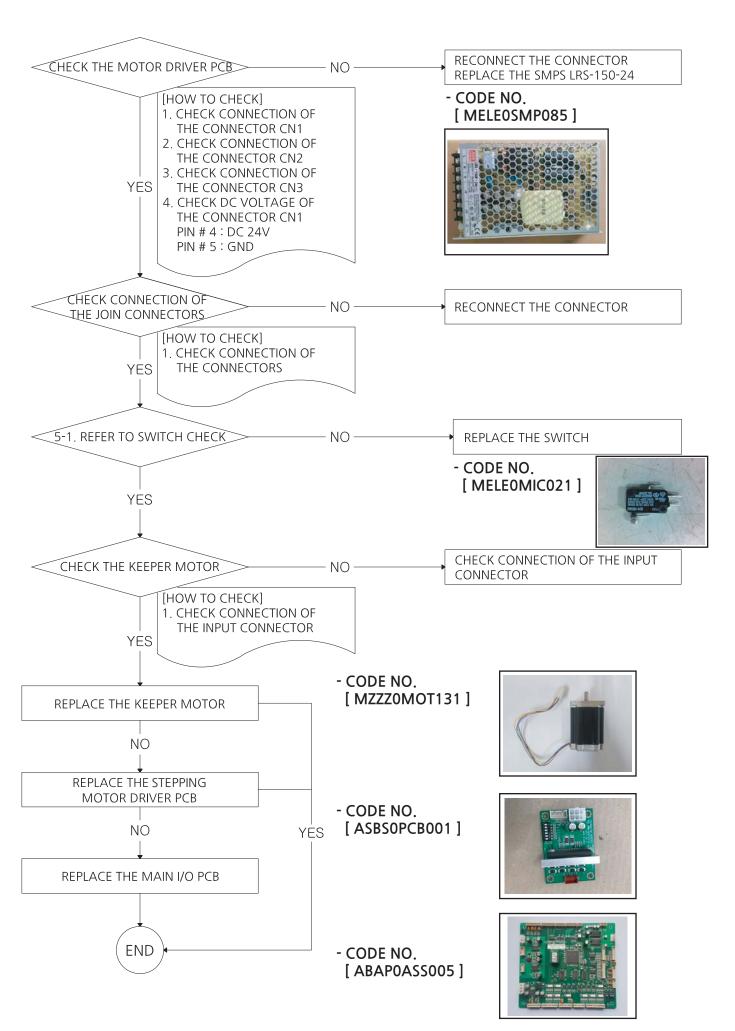




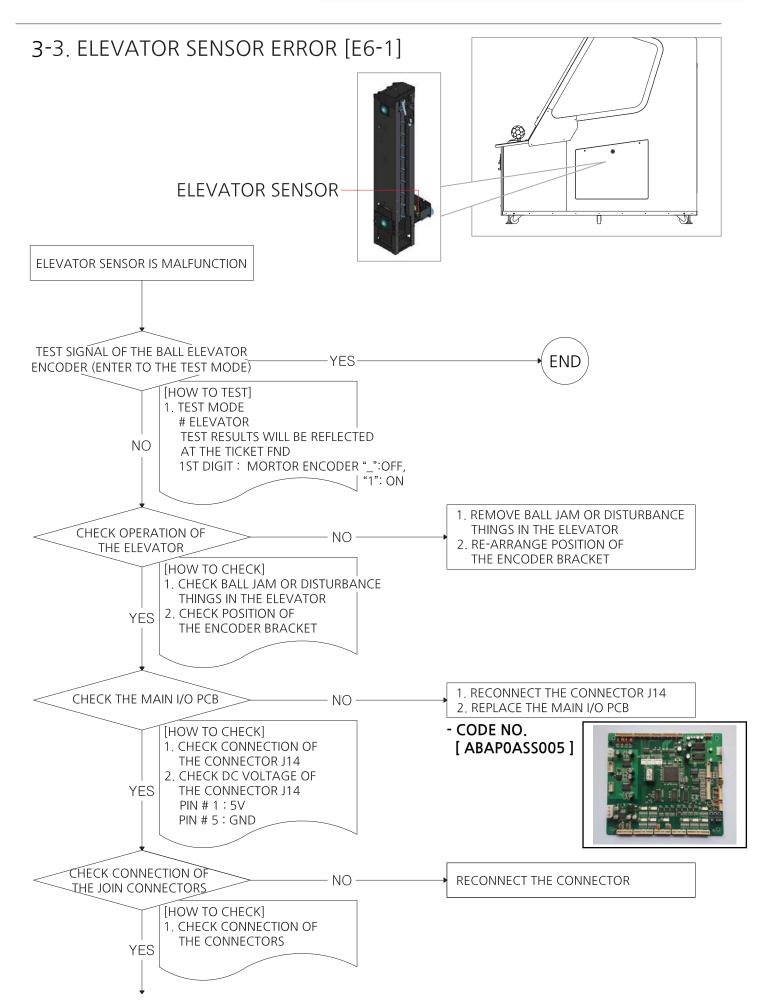
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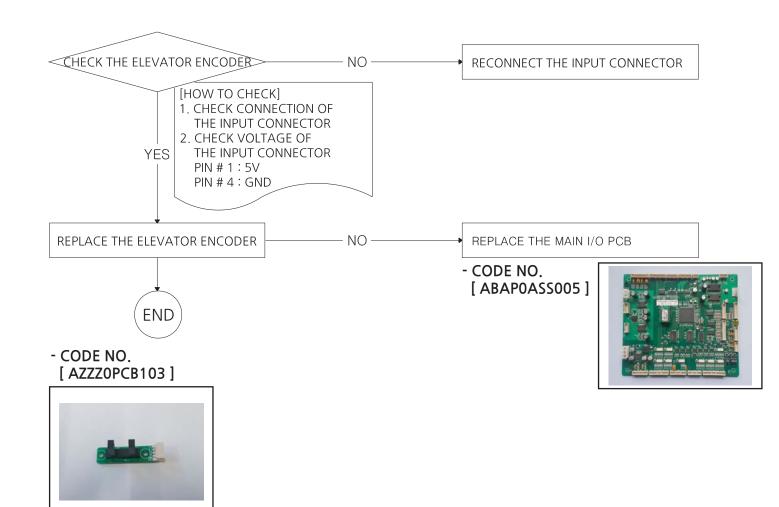




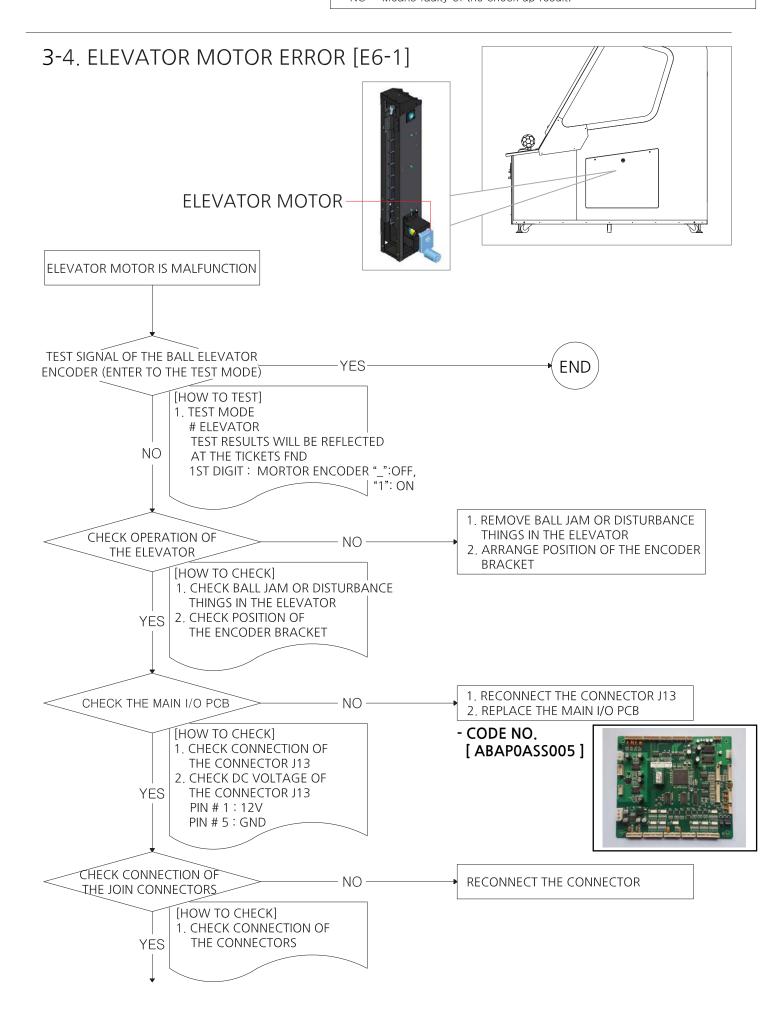


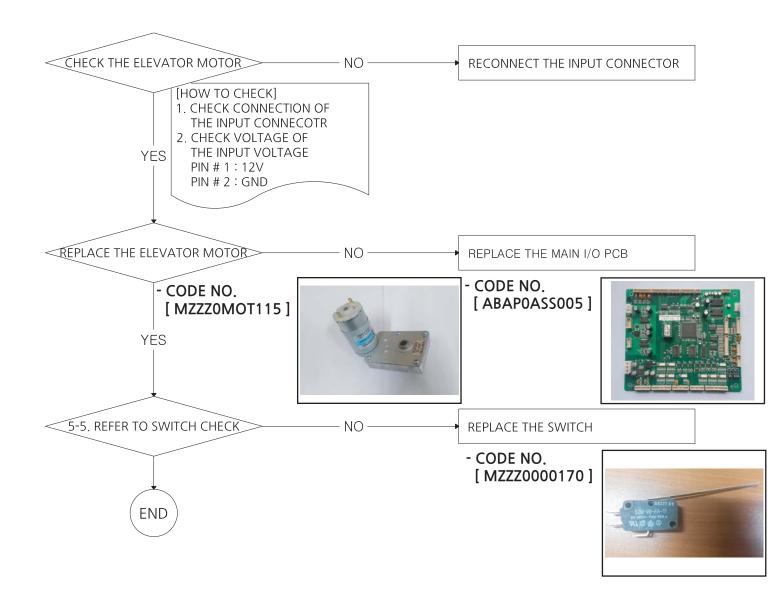
- \* General check up: Check the supply voltage and wiring connection properly
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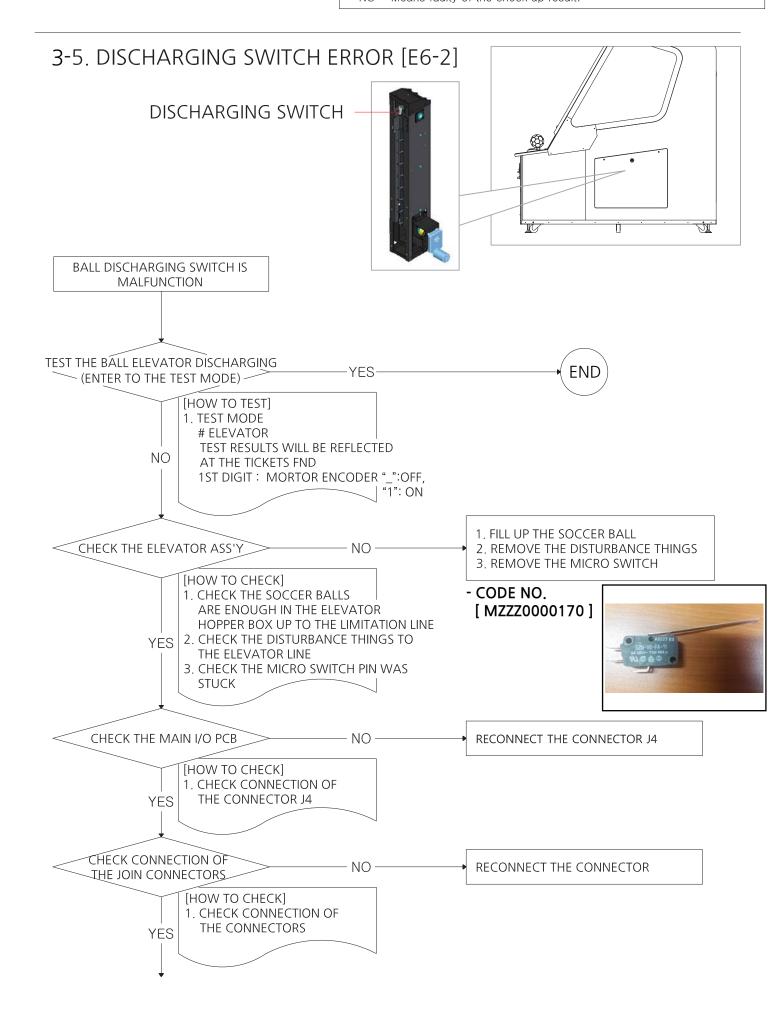


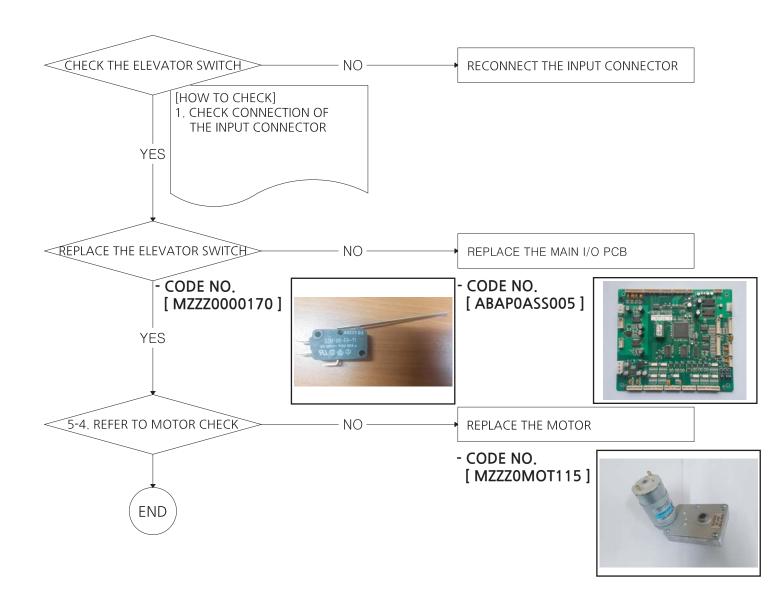
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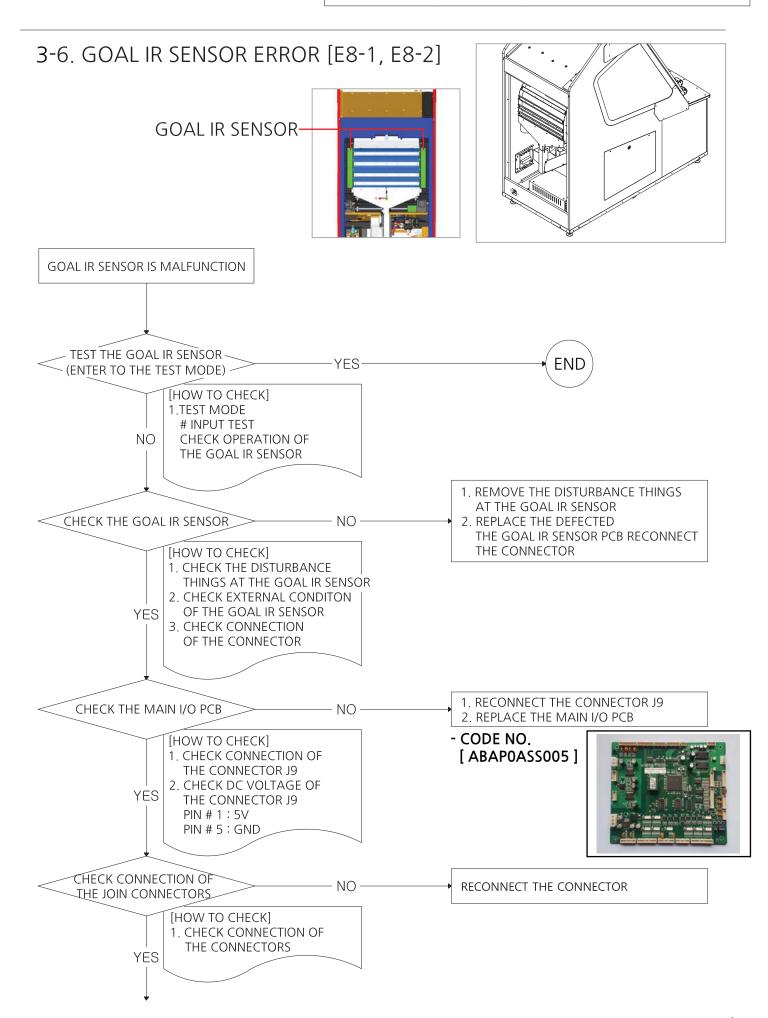


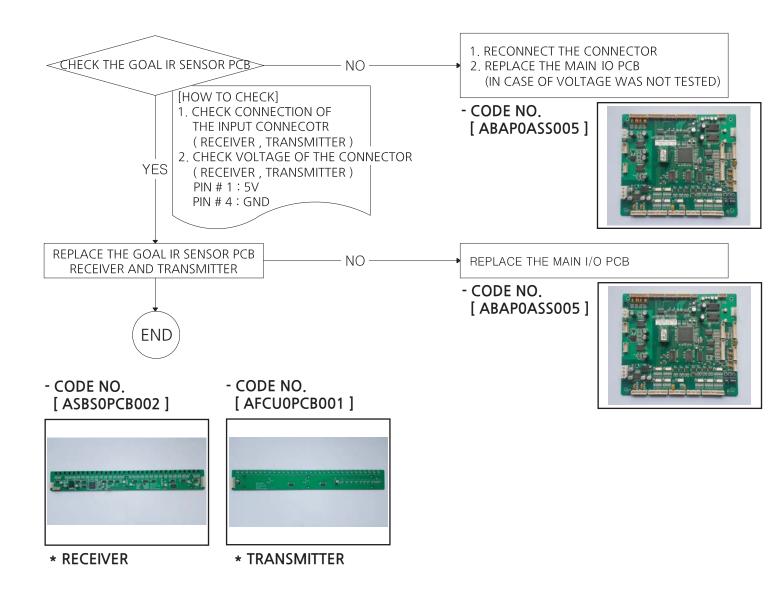


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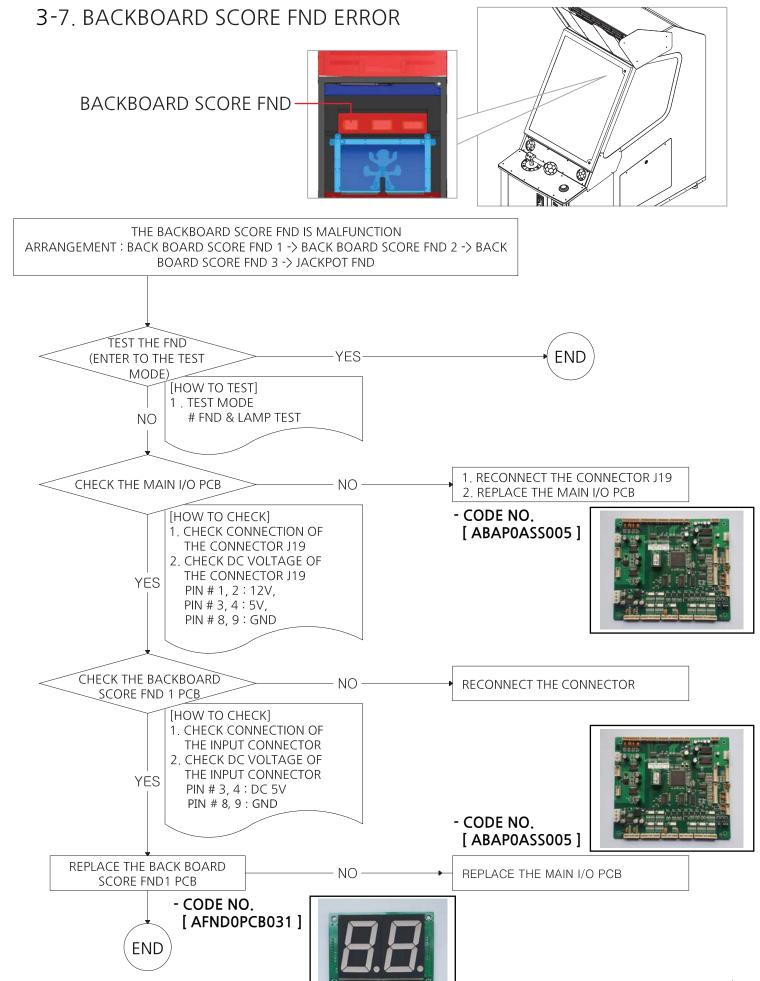




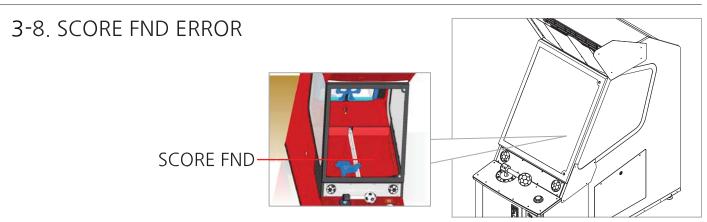


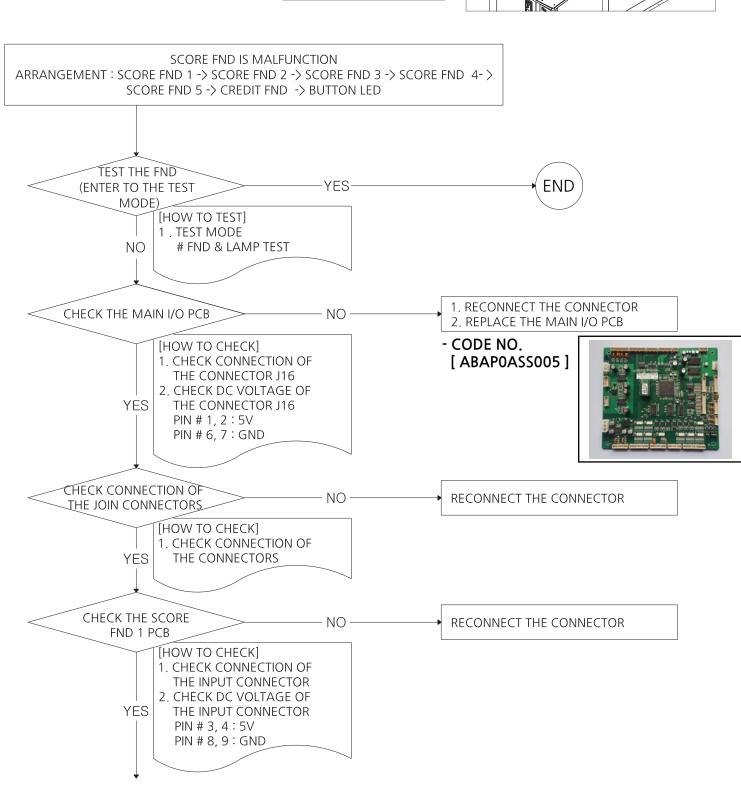


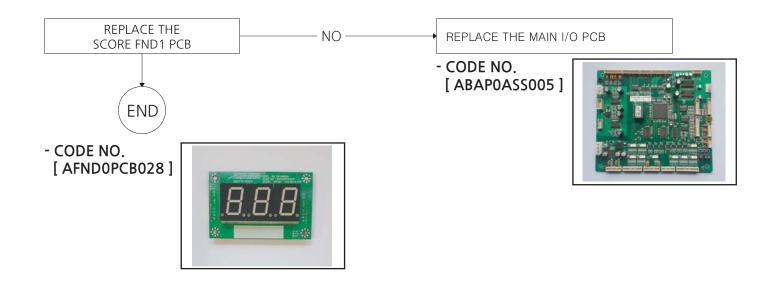
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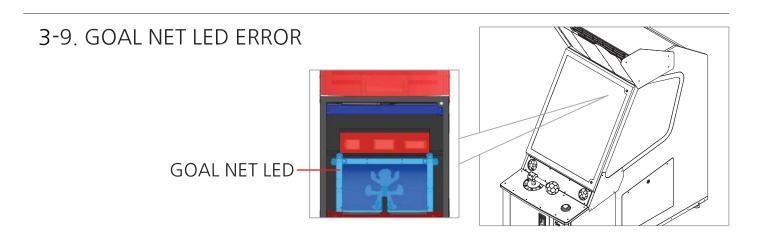
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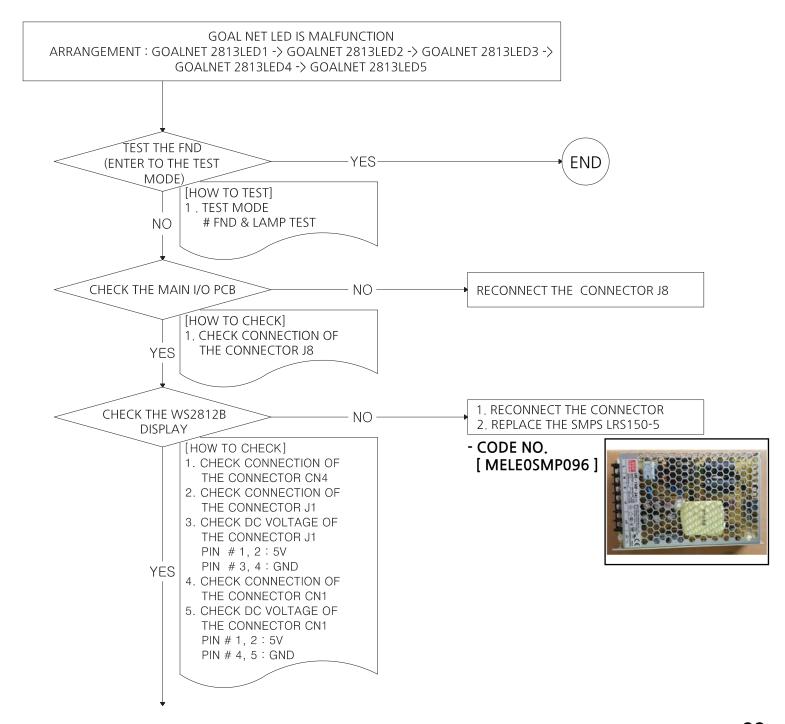


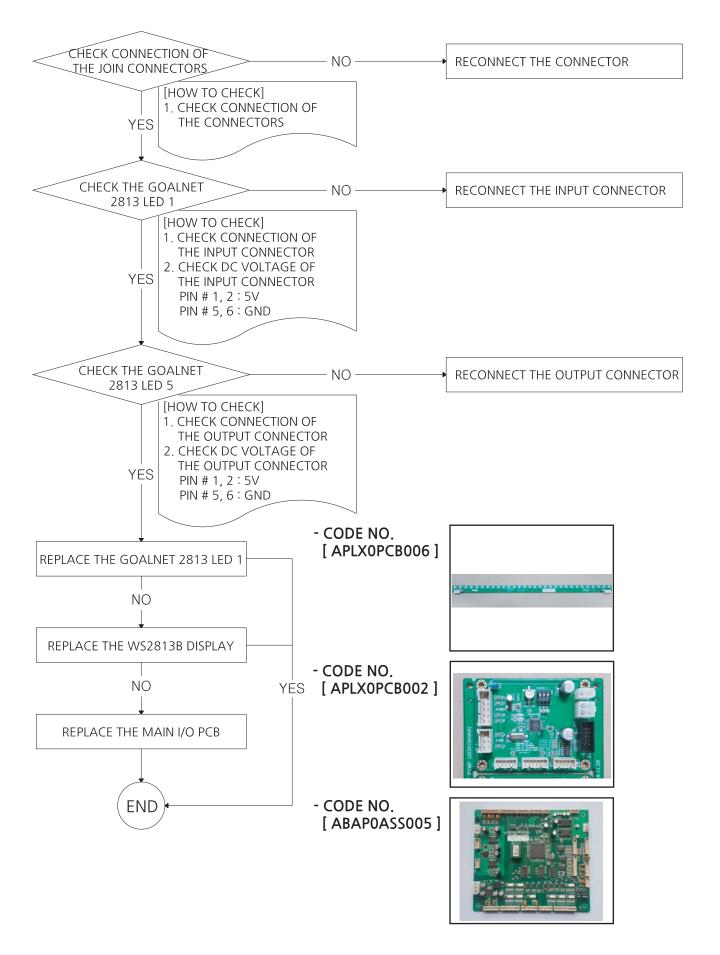




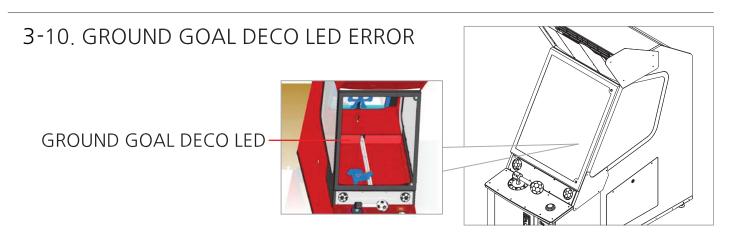
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- \* "NO": Means faulty of the check up result.

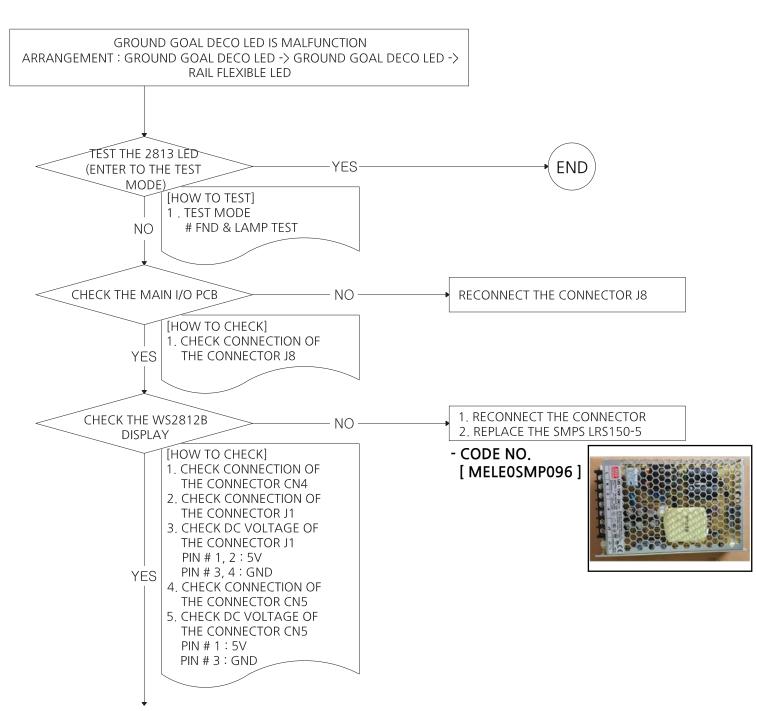


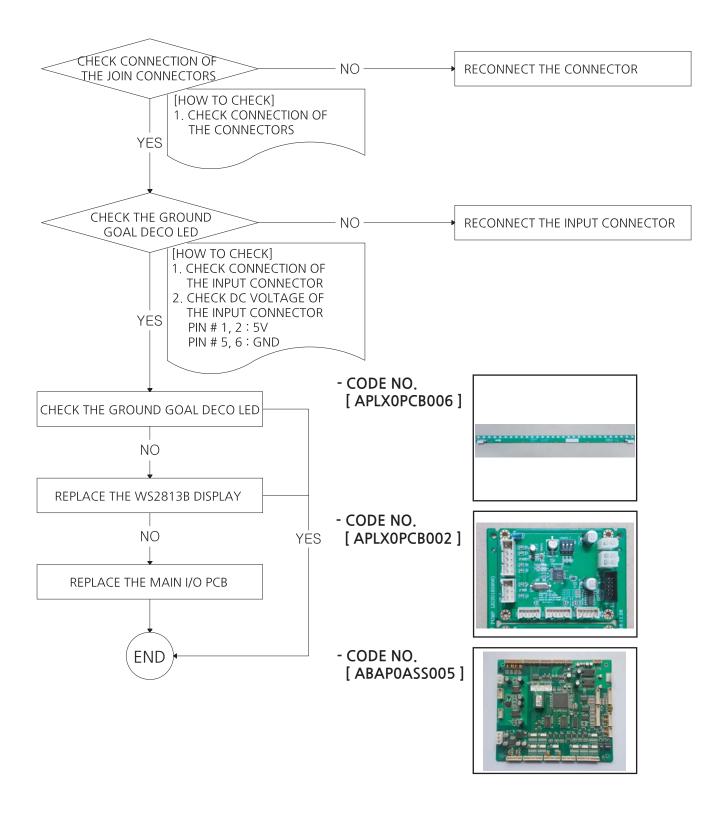




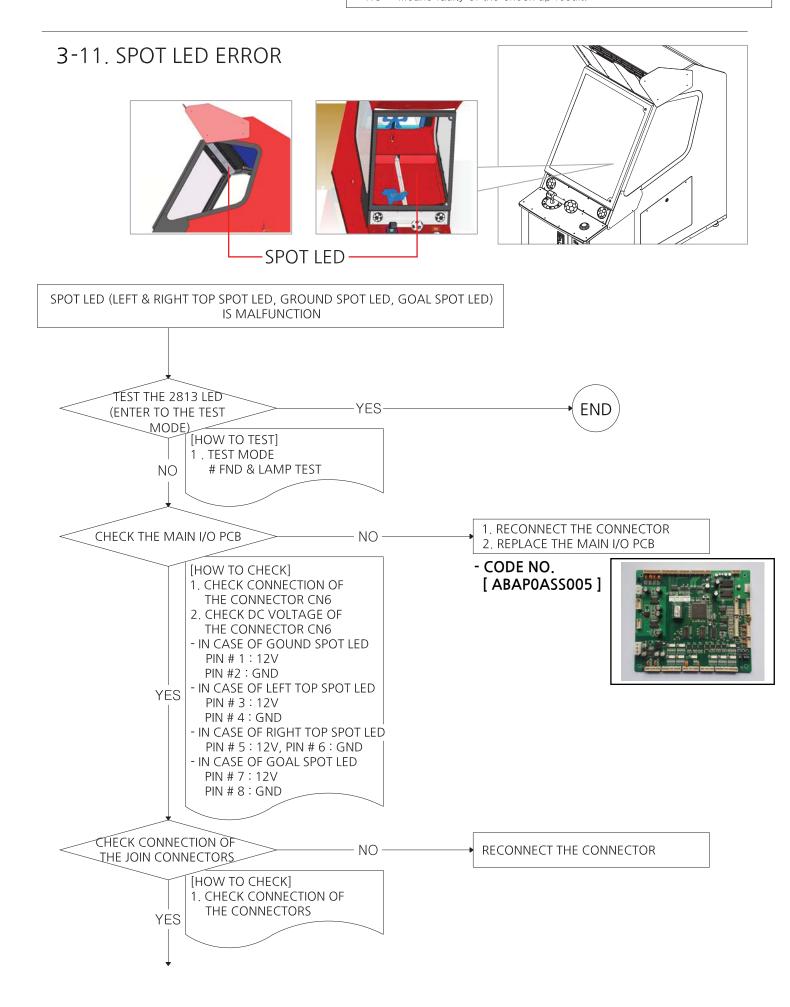
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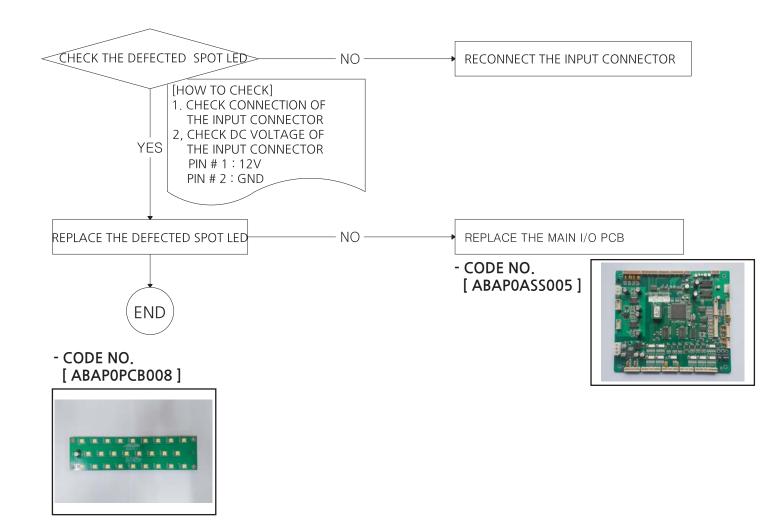




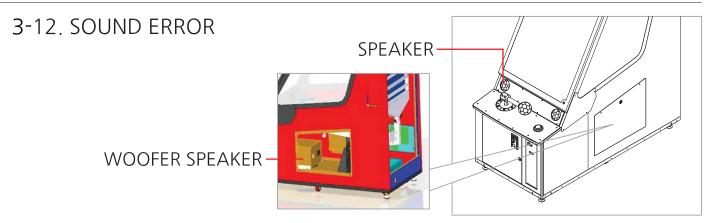


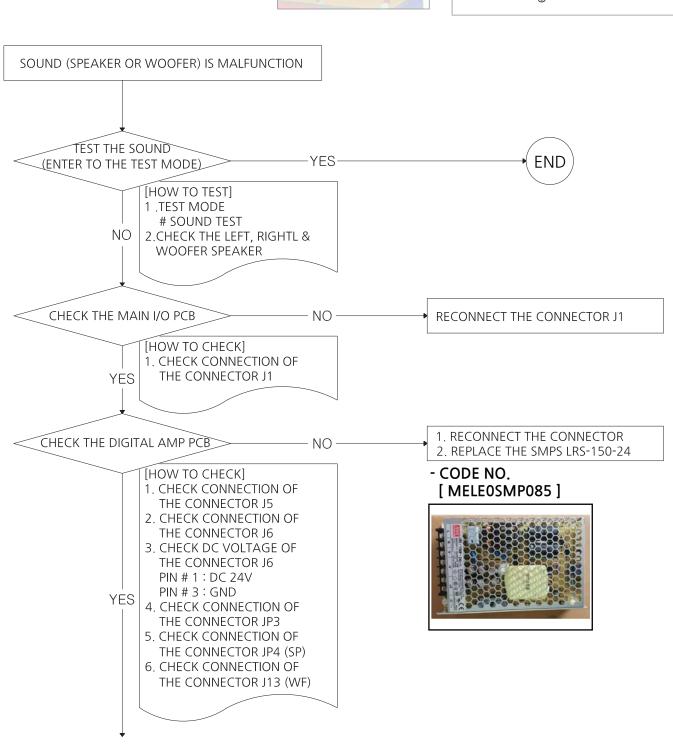
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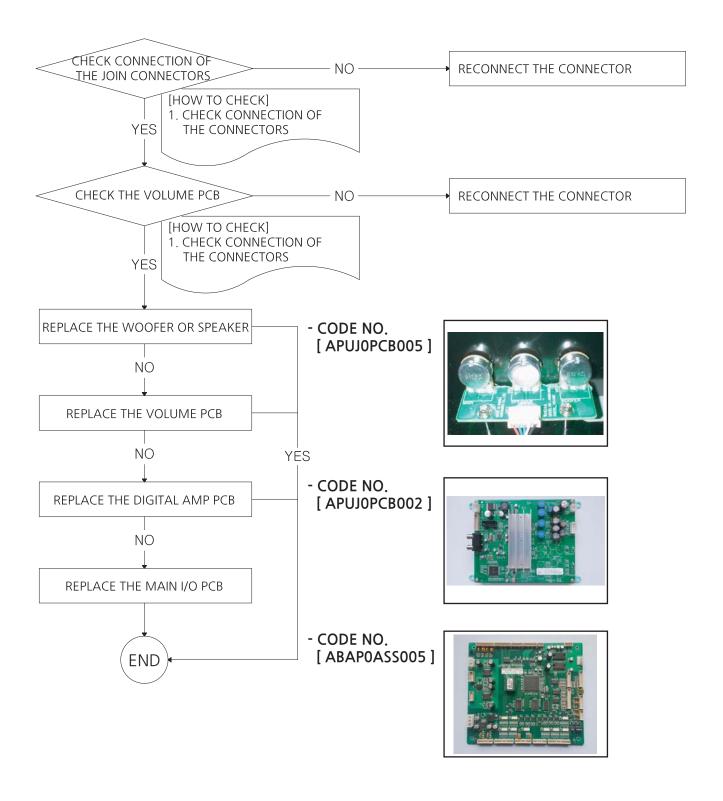




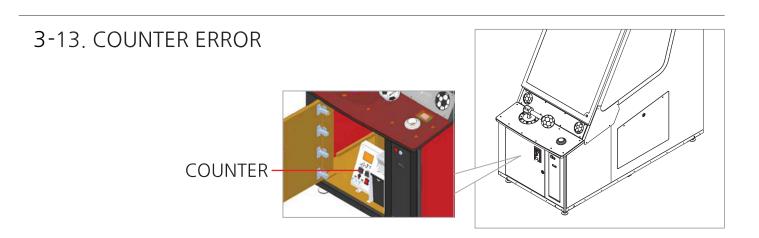
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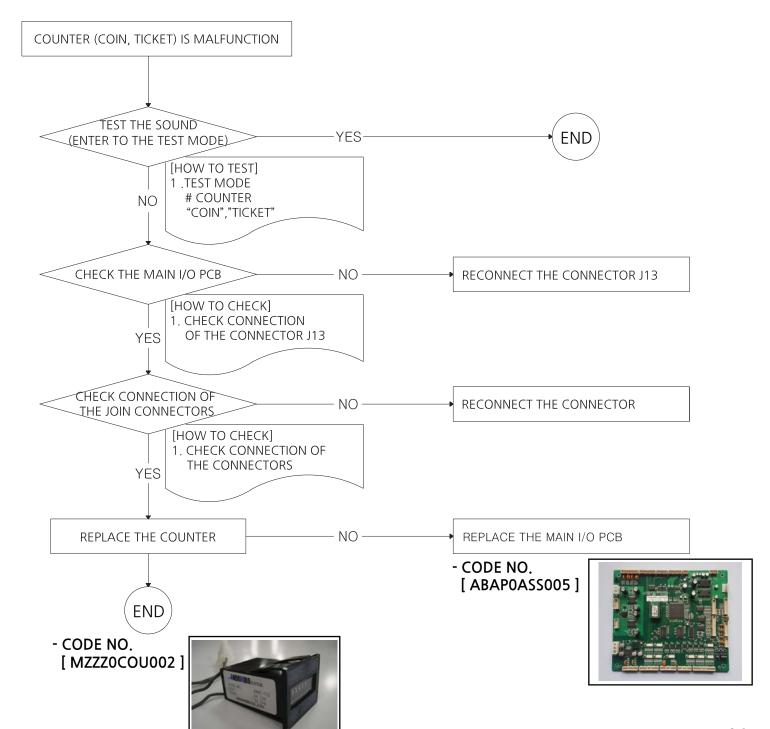




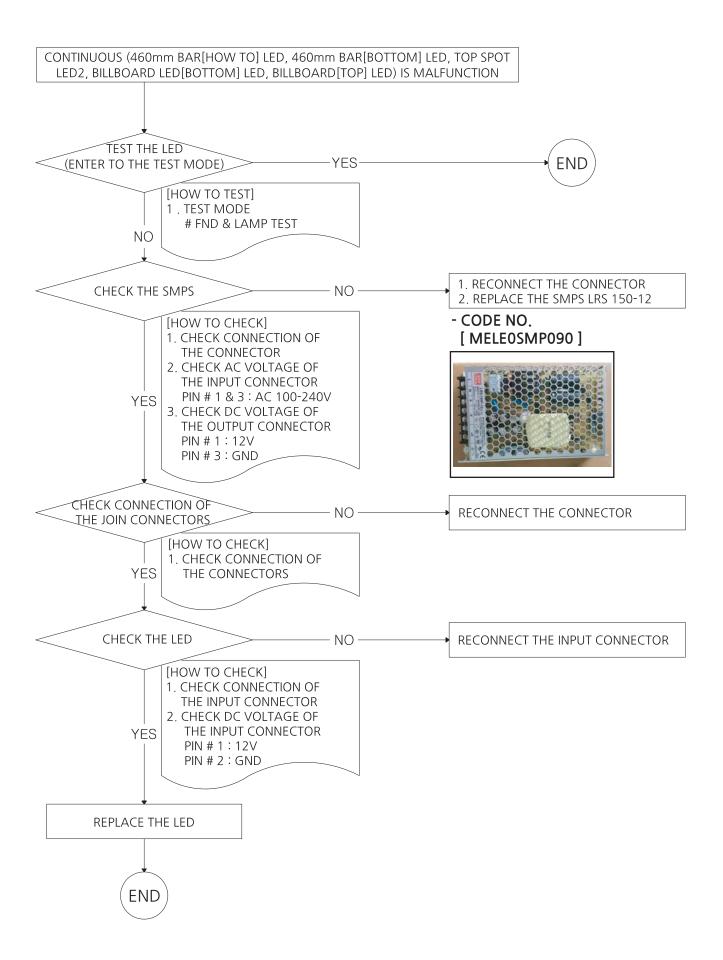


- \* General check up: Check the supply voltage and wiring connection properly
- \* "NO": Means faulty of the check up result.

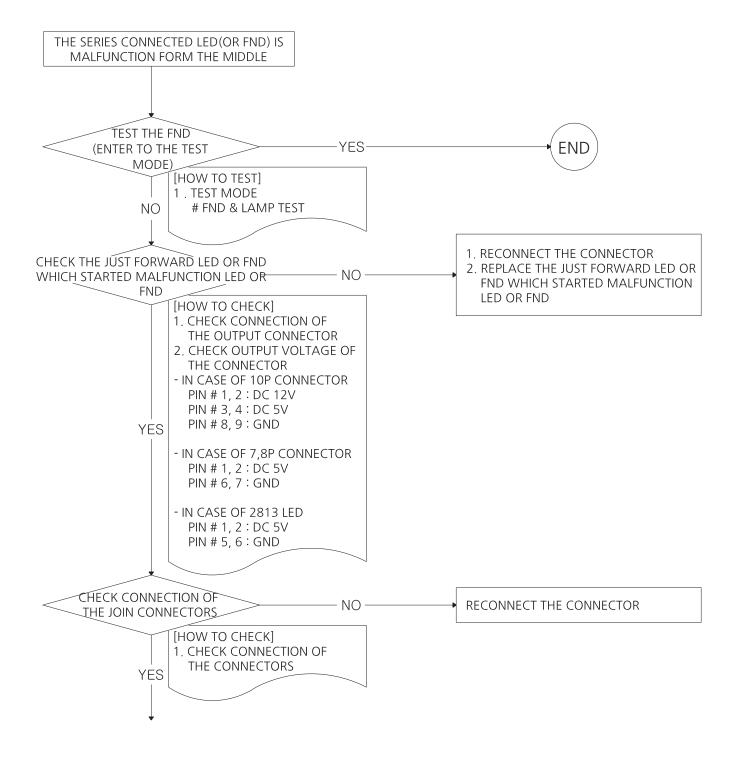


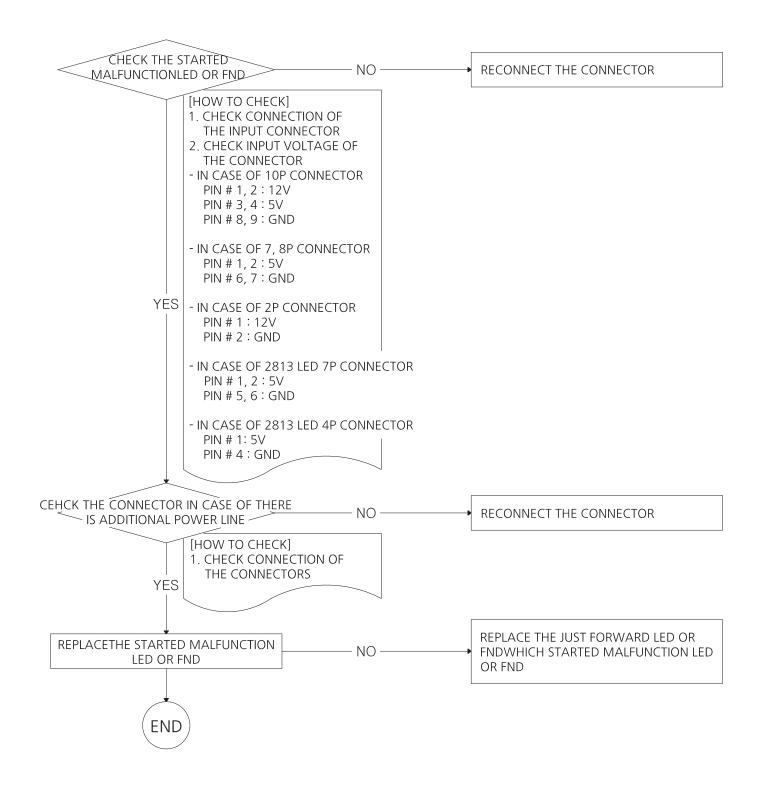


### 3-14. CONTINOUS LED ERROR

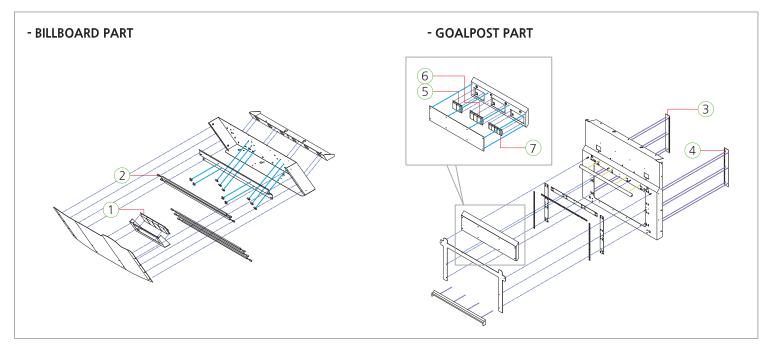


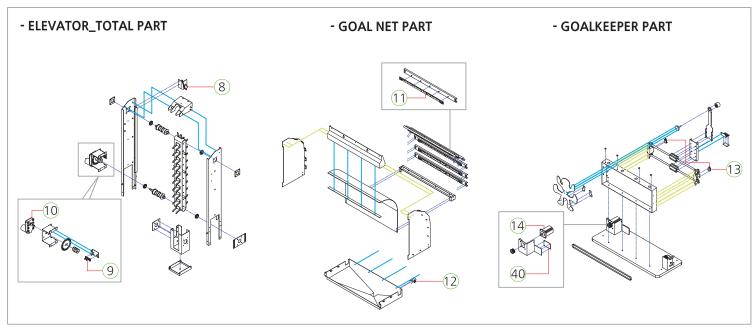
#### 3-15. SERIES LED OR FND ERROR

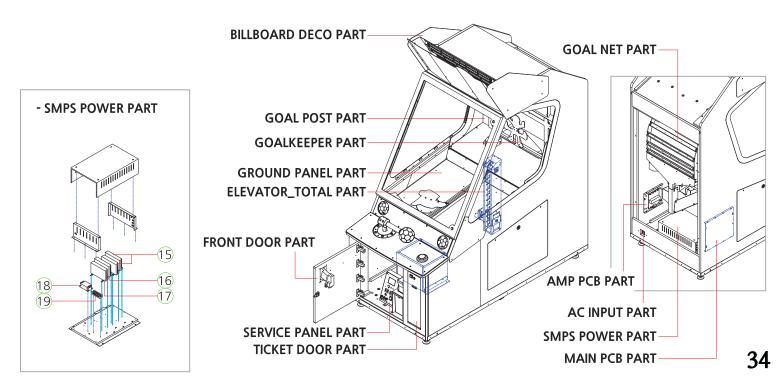


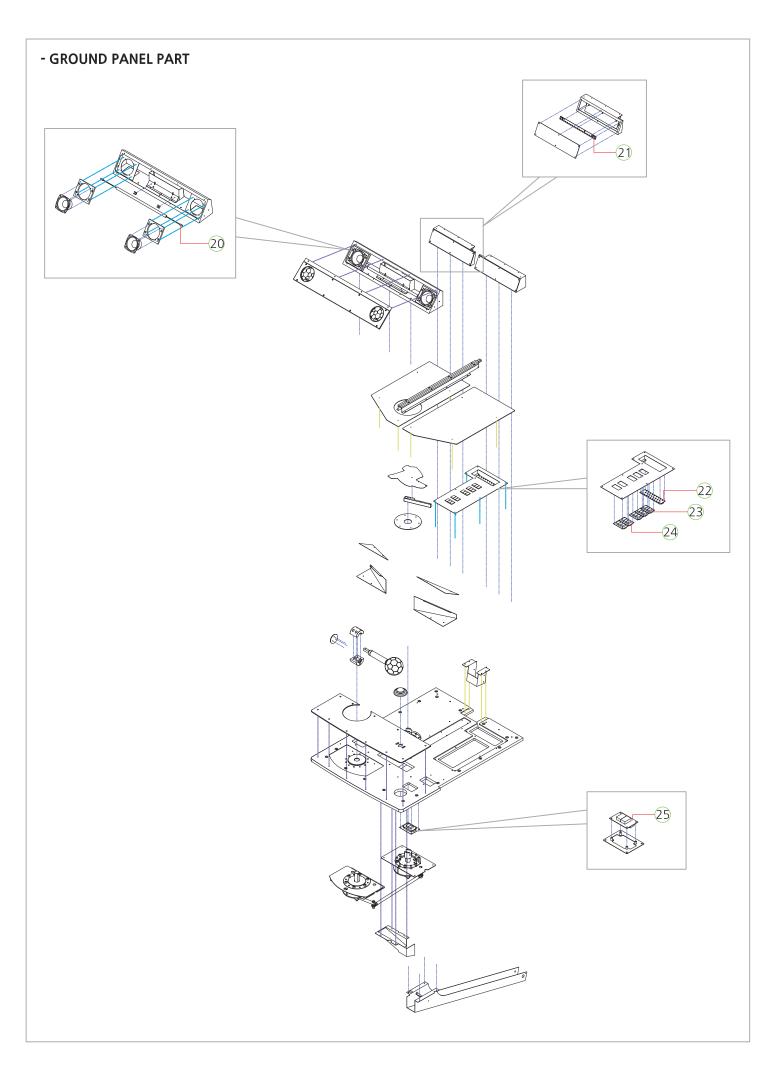


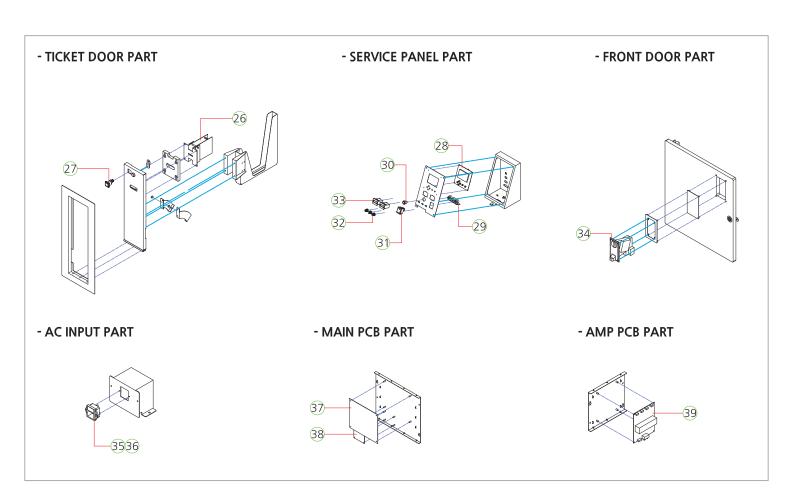
# [4. PART LIST]











1 2 3 4 5	6
8.8.8.8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	8 6
AFNDOPCB011 AZZZOPCB165 ASBSOPCB002 AFCU0PCB001 AFNDOPCB03	31 AFND0PCB032
7 8 9 10 11	12
	N/A
8888	
C. C. C.	
AFND0PCB004 MZZZ0000170 AZZZ0PCB103 MZZZ0MOT115 APLX0PCB00	06 MELEOMICO02
13 14 15 16 17	18
aum ihreseseskideleideld aum ihreseseskideldeideld aum ihreseseskideldeideld	2025
	FINS-2010
MELEOMICO21 MZZZOMOT131 MELEOSMP085 MELEOSMP090 MELEOSMP09	MELEONOI009
WELLOWICOZ I WIZZZOWOTTST WELLOSIWI OSS WIELLOSIWI OSO	NIELEONOIOUS
19 20 21 22 23	24
	2 7
	6.8.8.
	* : 112 ENGLISH **
MELEOTEB003 AZZZOPCB124 APLX0PCB008 ABAP0PCB008 AFND0PCB02	8 AFND0PCB025
25 26 27 28 29	30
AFND0PCB001 MZZZ0TID010 MMUM0BUT002 AZZZ0PCB113 APUJ0PCB00	5 MELEOPUS006
31 32 33 34 35	36
	*
	CILLA .
	(MI)

NO.	PIC	PART NAME	SPEC.	QTY	CODE NO.	WARF	
(1)	0	FND PCB ASS'Y	6390-4 (STRAIGHT)	1	AFND0PCB011	6 Month	One Year
2	0	LED BAR 12V ASS'Y	710mm	5	AZZZOPCB165		
3	0	SENSOR PCB ASS'Y-B	RECEIVER	1	ASBSOPCB002		0
4	0	SENSOR PCB ASS'Y-A	EMITTER	1	AFCU0PCB001		0
5	0	FND PCB ASS'Y	3856-2-2C (STRAIGHT)	1	AFND0PCB031		0
6	0	FND PCB ASS'Y	3856-2-2C (STRAIGHT)	1	AFND0PCB032		0
7	0	FND PCB ASS'Y	2941-4 (STRAIGHT)	1	AFND0PCB004		0
8	0	MICRO SWITCH	SZM_V6_FA_11A9227 DP	1	MZZZ0000170		
9	0	PHOTO-INT1 PCB ASS'Y	ANGLE TYPE	1	AZZZOPCB103		0
10	0	MOTOR	KGE-0182-ND3657U1 DC12V 27RPM	1	MZZZ0MOT115	0	-
11	0	WS2813B LED PCB 30EA-L ASS'Y	-	5	APLX0PCB006		0
12	0	MICRO SWITCH	CNR-05H-03	1	MELEOMIC002		
13	0	MICRO SWITCH	GSMV1651A2	2	MELE0MIC021		
14	0	STEPPING MOTOR	4S60Q-04285S	1	MZZZ0MOT131	0	
15)	0	POWER SMPS	LRS-150F-24V	2	MELEOSMP085		0
16	0	POWER SMPS	LRS-150F-12V	1	MELEOSMP090		0
17	0	POWER SMPS	LRS-150F-5V	1	MELEOSMP096		0
18	0	NOISE FILTER	RNS-2010	1	MELEONOI009		
19	0	TERMINAL BLOCK	250V, 10P	1	MELEOTEB003		
20	0	LED BAR 12V ASS'Y	460mm	1	AZZZ0PCB124		
21	0	WS2813B LED PCB 21EA-R ASS'Y	-	1	APLX0PCB008		0
22	0	SPOT LED PCB ASS'Y	WHITE	1	ABAPOPCB008		0
23	0	FND PCB ASS'Y	2029-3 (STRAIGHT)	3	AFND0PCB028		0
24	0	FND PCB ASS'Y	2029-3-2 (STRAIGHT)	2	AFND0PCB025		0
25	0	FND PCB ASS'Y	2029-2 (STRAIGHT)	1	AFND0PCB001		0
26	0	TICKET DISPENSER	-	1	MZZZ0TID010		
27	0	BUTTON SWITCH	AM1PB-26SH R12D	1	MMUM0BUT002		
28	0	SETUP LCD PCB ASS'Y	-	1	AZZZ0PCB113		0
29	0	VOLUME PCB ASS'Y	3CH	1	APUJ0PCB005		0
30	0	PUSH BUTTON SWITCH	DS 412R	1	MELEOPUS006		
31	0	ROCKER SWITCH	R595KDF	1	MELEOSWI021		
32	0	VOLUME KNOB	-	3	MELEOVOL007		
33	0	COUNTER	OA127CL	2	MZZZ0COU002		
34	0	COIN SELECTOR	TW-389	1	MZZZ0COS052		
35	0	AC INPUT	DAC-13H	1	MELEOSWI015		
36	0	FUSE	0218010. MXP 250V,10A,4PA	2	MELEOFUS018		
37	0	BASEBALL PRO IO PCB ASS'Y	-	1	ABAPOASS005		0
38	0	WS2813B DISPLAY PCB ASS'Y	-	1	APLX0PCB002		0
39	0	DIGITAL AMP PCB ASS'Y	2.1CH	1	APUJ0PCB002		0
40	0	STEPPING MOTOR DRIVER PCB ASS'Y	TB6560AHQ_40V_3.5A	1	ASBSOPCB001		0

37	38	39	40
ABAPOASS005	APLX0PCB002	APUJOPCB002	ASBS0PCB001