*** ANDAMIRO WARRANTS the parts from date of shipment as follows.**

- One Year Limited Warranty : Electronic Boards
- 6 Month Limited Warranty : Moving Parts

CONTENTS

[1. ERROR CODE]

ERROR CODE	TYPE OF ERROR	CONTENTS	CHECK ITEMS
E.02	System	Setup Saving Data Error	1. check or save setup condition 2. Factory Setting 3. Check power ON or OFF 4. Replace Main Board when error occurs continuously
E.03		Game Saving Data Error	1. Clear Data at Set Up Clear Mode 2. Check the power (ON/OFF) 3. Replace Main Board when error occurs continuously
E.11	Coin Selector	Continuousexistence of player coin sensor signal	Check input of defective coin sensor
E.13	Bill Collector	Continuous existence of bill collector sensor signal	Check sensor input of bill collector
E.21	MK(PC) Serial Communication	No communication between Video and MK (PC) Video display can not be controlled in communication error. So it needs to be taken care of separately and main board error is to be shown at FND	1. Check wiring connection 2. Check MK (PC) Operation (normal booting) 3. Check mainboard communication
E.31	Main Checker Motor	No signal from equinoctial encoder	1. Check operation status of motor 2. Check encoder sensor input status
E.35		Checker sensor problem (Existence of continuous signal)	1. Check wiring connection 2. Check the sensor input status
E.41	Card Belt Distribute Motor	No encoder signal	1. Check operation status of motor 2. Check encoder sensor input status
E.43		Continuous existence of card drop senor signal	1. Check the operation status of motor 2. Checkdrop sensor operation status 3. Check card-jam in card belt 4. Check the direction of motor rotation
		No card drop sensor signal	

When "E.02", "E.03", "E.21" error occurs, game completely stops. In case of other errors, however, only plays with those errors stop.

E.51	Pin Swing Motor	No signal from pin swing motor encoder	1. Check operation status of motor 2. Check encoder sensor input status
E.61	Ball Shooting Elevator	Occurrence of problem of Elevator Jam	1. Check ball jamming 2. Check encoder sensor
E.62		Problem of upper ball shooting sensor (No signal)	1. Check existence of ball 2. Check status of ball
E.71	Pin Hole Goal In Sensor	Continuous existence of sensor signal at pin goal in hole #1	1. Check status of pin goal in hole sensor #1
E.72		Continuous existence of sensor signal at pin goal in hole #2	1. Check status of pin goal in hole sensor #2
E.73		Continuous existence of sensor signal at pin goal in hole #3	1. Check status of pin goal in hole sensor #3
E.74		Continuous existence of sensor signal at pin goal in hole #4	1. Check status of pin goal in hole sensor #4
E.75		Continuous existence of sensor signal at pin goal in hole #5	1. Check status of pin goal in hole sensor #5
E.76		Continuous existence of sensor signal at pin goal in hole #6	1. Check status of pin goal in hole sensor #6
E.77		Continuous existence of sensor signal at pin goal in hole #7	1. Check status of pin goal in hole sensor #7
E.78		No signal from main checker or pin goal in hole sensor	1. Check ball jamming 2. Check status of pin goal in sensor
E.81	Card Dispenser	No card or non-operation of card distributing device	1. Check existence of card 2. Check card distributing device
HELP Display at video ticket window	Ticket Error	No Tickets	1. Check existence of ticket 2. Check operation of ticket motor 3. Check ticket distributing sensor

※ Normally Error Code will be displayed at SET UP LCD, Player's monitor where error occurred and Pin Hole Score FND. Error message and Error Code Number will be displayed.

※ Normally MK communication error will be displayed at SETUP LCD and PIN HILE SCORE FND
As an exceptional handling apart from this, Error Message will be shown on the screen when there is no communication code within 1 mininuteby MK itself

* ERROR CODE DETECTION METHOD

ERROR CODE	ERROR TYPE	CONTENTS	ERROR DETECTION CONDITION
E.02	System	Problem of Set Up Data Saving	Check setup-related back up memory at main board after power on
E.03		Problem of Game Data Saving	Check game-related back up memory at main board after power on
E.11	Coin Selector	Continuous existence of player coin sensor signal	Continuous signal for more than two seconds while INHIBT is ON
E.13	Bill Collector	Continuous existence of player bill collector sensor signal	Existence of signal for more than two seconds
E.21	MK(PC) Serial Communication	No communication between Video presentation and MK (PC) Video display can not be controlled in communication error. So it needs to be taken care of separately and main board error is to be shown at FND	1. Before MK Booting It's an error if there is no signal for one minute Booting 2. After MK Booting (completion of main booting) It's an error if there is no signal for 30 seconds (Processing of signal 10 times at an interval of 3 seconds)
E.31	Main Checker Motor	No signal from equinoctial encoder	No signal for two seconds
E.35		Checker sensor problem (Existence of continuous signal)	Continuous existence of signal for more than three seconds
E.41	Card Belt Distributing Motor	No encoder signal	No signal for two seconds
E.43		Continuous existence of card drop senor signal	Continuous existence of signal for more than three seconds
E.44		No card drop sensor signal	No card drop sensor signal while five cards are distributed
E.51	Pin Swing Motor	No encoder signal from pin swing motor	No signal for more than two seconds

E.61	Ball Shooting Elevator	Problem of Elevator Jamming	In case no encoder signal for over twoseconds, try reverse rotation and then try forward rotation for total 4 times
E.62		Problem of upper ball shooting sensor (No signal)	No distribute sensor signal while ball elevator tries 5 times at an interval of 3 seconds
E.71	Pin Goal In Hole Sensor	Continuous existence of sensor signal at pin goal in hole #1	Continuous Sensor Signal for more than
E.72		Continuous existence of sensor signal at pin goal in hole #2	
E.73		Continuous existence of sensor signal at pin goal in hole #3	
E.74		Continuous existence of sensor signal at pin goal in hole #4	
E.75		Continuous existence of sensor signal at pin goal in hole #5	
E.76		Continuous existence of sensor signal at pin goal in hole #6	
E.77		Continuous existence of sensor signal at pin goal in hole #7	
E.78		No signal from main checker or pin goal in hole sensor	If there is no main checker or goal in hole sensor signal for 15 seconds after shooting 10 balls
E.81	Card Dispenser	No Card or Card dispensing device does not work	There is no sensor signal total 3 timesduring card distributing operation

[2. ERROR CODE]

<table>
<tr><td colspan="4">TEST MODE</td></tr>
<tr><td>TEST ITEMS</td><td colspan="2">SETTING ITEMS</td><td>DESCRIPTIONS</td></tr>
<tr><td rowspan="3">INPUT TEST</td><td colspan="2">[=>]</td><td>Enter into the check mode of Input Status</td></tr>
<tr><td colspan="3">Display of Input Status of each item at LCD window</td></tr>
<tr><td colspan="3">(Button, Coin, Ticket, Sensor... Etc)</td></tr>
<tr><td rowspan="7">FND & LAMP</td><td colspan="3">Operation Test for Lamp, FND, LED
When pressing the select button, the test will be carried out step by step</td></tr>
<tr><td rowspan="3">“STEP”</td><td>LAMP</td><td>▶Overall On/Off flickering
▶1P Button Lamp ON
▶2P Button Lamp ON
▶1P Ticket Lamp ON
▶2P Ticket Lamp ON
▶Inside Ceiling Lamp On
▶The middle billboard Lamp On
▶Lamps above speaker on both sidesLights On
▶Lamps above billboard on left side Lights On
▶Lamps above billboard on right side Lights On
Operation Test will be repeated in above sequence</td></tr>
<tr><td>FND</td><td>▶Overall On/Off flickering
▶Total Number Counts[0000] ~ [9999]
▶1P PIN HOLE FND [11], [11], [11],[11], [11], [11]
▶2P PIN HOLE FND [22], [22], [22], [22], [22],[22]</td></tr>
<tr><td>LED</td><td>▶Overall White On, Offflickering
▶Lights on in sequence of RED ▶ GREEN ▶ BLUE ▶ WHITE
▶LED lights on in white color in individual sequence</td></tr>
<tr><td>“ON”</td><td colspan="2">Totally Lights On
(For reference, the On-State shall be maintained in other test mode)</td></tr>
<tr><td>“ON/OFF”</td><td colspan="2">Overall On/Off repetition</td></tr>
<tr><td>“OFF”</td><td colspan="2">Totally Light Off</td></tr>
<tr><td rowspan="6">MOT CHECKER</td><td colspan="3">Operation Test of Main Checker Motor
◎ Select the choice with Left, Right Button and press the select button
(OR,individual On/Off operation with 1P, 2P shooting button)</td></tr>
<tr><td>“ALL”</td><td colspan="2">1P, 2P Main checker motor operation</td></tr>
<tr><td>“1P”</td><td colspan="2">1P Main checker operation</td></tr>
<tr><td>“2P”</td><td colspan="2">2P Main checker operation</td></tr>
<tr><td colspan="3">1P, 2P the individual area of Pin Goal In Hole FND shows individual check status
PIN HOLE FND : [1] [2] [3] [ ] [5] [6] [7]
HOLE NO 1 FND [■□] :Display of encoder sensor status at starting point (0 or 1)
[□■] :Display of encoder sensor status at equinoctial point (0 or 1)
HOLE NO 2 FND [■■] :Check count of encoder sensor at starting point
HOLE NO 3 FND [■■] :Check count of encoder sensor at equinoctial point</td></tr>
</table>

<table>
<tr><td rowspan="4"></td><td colspan="2">HOLE NO 5 FND [□□] : Micro Switch Check Count Inside path of Main Checker Hole
HOLE NO 6 FND [■■] : Check count of main checker sensor (in case of error, it shows“Er”)
HOLE NO 7 FND [■■] : Operation status of Main checker motor (display of ON/OFF)
If the sensor of main belt checker (1P, 2P) is checked, it displayed as RED at LED light</td></tr>
<tr><td colspan="2">When it operates in motor test, Set Up LCD screen changes to display of sensor status</td></tr>
<tr><td>- TEST MOT CHECKER -
1P SEN: 0, 2P SEN: 0
1P ENC : 0/0, 0
2P ENC : 0/0, 0</td><td>1P, 2P Display of Main Checker Sensor Status (0 or 1)
1P, 2PStatus of Motor Encoder sensor status atDatum point/Equinoctial Point, Check Count at Equinoctial Point</td></tr>
<tr><td rowspan="6">MOT BALL SHOT</td><td colspan="2">Operation test of Ball Elevator
◎ Pressthe select button after selecting the choice by Left/RightButton (OR individual On/Off operation with shooting button)</td></tr>
<tr><td>“ALL”</td><td>1P, 2P Operation of ball elevator (ball shooting)</td></tr>
<tr><td>“1P”</td><td>1P Operation of ball elevator (ball shooting)</td></tr>
<tr><td>“2P”</td><td>2P Operation of ball elevator (ball shooting)</td></tr>
<tr><td colspan="2">1P, 2P the individual area of Pin Goal In Hole FND shows individual check status
PIN HOLE FND : [1] [2] [3] [ ] [5] [6] [7]

HOLE NO 1 FND [□■] : Display of #1 Hole ball sensor check count
HOLE NO 2 FND [□■] : Display of #2 Hole ball sensor check count
HOLE NO 3 FND [□■] : Display of #3 Hole ball sensor check count

★ HOLE NO 5 FND [■□] : Display of #4 Hole ball sensor check count (Since there is no separate FND for Multi Ball Gauge Hole, the check count number is shown at 1st place from right at Hole #5 FND)

HOLE NO 5 FND [□■] : Display of #5, 1st place from left, Hole ball sensor check count
HOLE NO 6 FND [□■] : Display of #6 Hole ball sensor check count
HOLE NO 7 FND [□■] : Display of #7 Hole ball sensor check count
(Each sensor check count is displayed 0~9)

◎ Shooting Button Lamp : Upper distribute sensor status is shown by On, Off Lamp
◎ Ticket Button Lamp : Encoder sensor status is displayed by On, Off Lamp</td></tr>
<tr><td colspan="2">When it operates in motor test, Set Up LCD screen changes to display of sensor status</td></tr>
<tr><td>- TEST MOT CHECKER -
1PSEN: 0/0, 2PSEN: 0/0

1P: 0, 1,2,3,4,5,6,7
2P: 0, 1,2,3,4,5,6,7</td><td>1P, 2P Status of Encoder at lower part of Ball Elevator and sensor status at upper part
1P, 2P: Display of Checker Sensor Check Count and Check Status of Goal In Hole
The sequence of Goal In Hole starts with 1st,2nd,3rd,4th, 5th,6th,7th hole from left.</td></tr>
</table>

<table>
<tr><td rowspan="6">MOT PIN MOVE</td><td colspan="2">Pin Swing Motor Test
◎ Select the choice by Left/Right button and press Select button
(OR, individual On, Off operation by 1P, 2P shooting button</td></tr>
<tr><td>“ALL”</td><td>1P, 2P Pin Swing Motor Operation</td></tr>
<tr><td>“1P”</td><td>1P Pin Swing Motor Operation</td></tr>
<tr><td>“2P”</td><td>2P Pin Swing Motor Operation</td></tr>
<tr><td colspan="2">1P, 2P the individual area of Pin Goal In Hole FND shows individual check status
PIN HOLE FND : [1] [2] [3] [ ] [5] [6] [7]
HOLE NO 1 FND [□■] : Display of Encoder Sensor Status(0 or 1)
HOLE NO 2 FND [□□] :
HOLE NO 3 FND [■■] : Display of Encoder Sensor Check Status Count
(to be increased by sensor check 1 count)
HOLE NO 5 FND [□□] :
HOLE NO 6 FND [□□] :
HOLE NO 7 FND [■■] : Display of Pin swing motor operation (display of On/Off)</td></tr>
<tr><td colspan="2">When it operates in motor test, Set Up LCD screen changes to display of sensor status</td></tr>
<tr><td>- TEST MOT PIN MOVE -
1P ENC : 0, 0
2P ENC : 0, 0</td><td>1P, 2P Motor Encoder Sensor Status, Check Count at Equinoctial Point</td></tr>
<tr><td rowspan="5">CARD BELT</td><td colspan="2">Card Belt Operation Test
◎ Select the type with Left, RightButton and press select button
◎ 1P, 2P Service Button : Test for distributing one cardout (card-distributing at game) Automatic card distributing from card dispenser in time for the interval of card distributing
◎ 1P, 2P Ticket Button : Operation of card belt drop sensor, Power On, Off</td></tr>
<tr><td>“ALL”</td><td>1P, 2P Operation of card belt</td></tr>
<tr><td>“1P”</td><td>1P Operation of card belt</td></tr>
<tr><td>“2P”</td><td>2P Operation of card belt</td></tr>
<tr><td colspan="2">1P, 2P the individual area of Pin Goal In Hole FND shows individual check status
PIN HOLE FND : [1] [2] [3] [ ] [5] [6] [7]
HOLE NO 1 FND [□■] : Display of Encoder Sensor Status (0 or 1)
HOLE NO 2 FND [□□] :
HOLE NO 3 FND [■■] : Display of Encoder Sensor Check Status
HOLE NO 5 FND [□■] : Display of Card belt drop sensor status (0 or 1)
HOLE NO 6 FND [■■] : Display of Card belt drop sensor check status count
HOLE NO 7 FND [■■] : Display of Card belt operation status (Display On or Off)</td></tr>
<tr><td rowspan="4">CARD OUT
(Card Dispenser)</td><td colspan="2">Card Dispenser Test
◎ Select the type with Left, RightButton and press select button
(OR with shooting button of 1P, 2P, individual On, Off operation is possible)</td></tr>
<tr><td>"ALL"</td><td>1P, 2P Distributing one card from card dispenser</td></tr>
<tr><td>"1P"</td><td>1P Distributing one card from card distributor</td></tr>
<tr><td>"2P"</td><td>2P Distributing one card from card distributor</td></tr>
</table>

<table>
<tr><td></td><td>1P, 2P the individual area of Pin Goal In Hole FND shows individual check status
PIN HOLE FND : [1] [2] [3] [ ] [5] [6] [7]

HOLE NO 1 FND [□■] : Display of card dispenser sensor status (0 or 1)
HOLE NO 2 FND [□□] :
HOLE NO 3 FND [□□] :
HOLE NO 5 FND [□□] :
HOLE NO 6 FND [□■] : Display of re-try number of card dispenser
(in case it becomes 03, it's an error)
HOLE NO 7 FND [■■] : Display of card dispenser operation status
(display of On/Off), In case error occurs, it show “Er”</td></tr>
<tr><td rowspan="3">COIN</td><td>Coin Operation Test
◎ When pressing Select Button, both 1P and 2P On, Off operates
◎ With shooting button of IP/2P, individual On, Off operates</td></tr>
<tr><td>"ON", "OFF" | Coin selector operates On, Off</td></tr>
<tr><td>1P, 2P the individual area of Pin Goal In Hole FND shows individual check status
PIN HOLE FND : [1] [2] [3] [ ] [5] [6] [7]

HOLE NO 1 FND [□■] : Display of bill collector sensor status (0 or 1)
HOLE NO 2 FND [■■] : Display of bill collector sensor check count
(00 ~ 99 count repeats)
HOLE NO 3 FND [□□] :
HOLE NO 5 FND [□□] :
HOLE NO 6 FND [□□] :
HOLE NO 7 FND [■■] : Display of bill collector sensor operation status (On, Off)
and Error “Er”</td></tr>
<tr><td rowspan="3">BILL</td><td>Bill Collector operation test
◎ When pressing Select Button, both 1P and 2P On, Off operates
◎ With shooting button of IP/2P, individual On, Off operates</td></tr>
<tr><td>"ON", "OFF" | Bill Collector Operation On, Off</td></tr>
<tr><td>1P, 2P the individual area of Pin Goal In Hole FND shows individual check status
PIN HOLE FND : [1] [2] [3] [ ] [5] [6] [7]

HOLE NO 1 FND [□■] : Display of bill collector sensor status (0 or 1)
HOLE NO 2 FND [■■] : Display of bill collector sensor check count
(00 ~ 99 count repeats)
HOLE NO 3 FND [□□] :
HOLE NO 5 FND [□□] :
HOLE NO 6 FND [□□] :
HOLE NO 7 FND [■■] : Display of bill collector sensor operation status (On, Off)
and Error “Er”</td></tr>
<tr><td rowspan="2">TICKET</td><td>Ticket Dispenser operation test
◎ Select the type with Left, RightButton and press select button
◎ With ticket-release button of IP/2P, individual ticket dispenser works
(release of 3 tickets)</td></tr>
<tr><td>“ALL” | Ticket dispenser operation test of both 1P and 2P
(Release of 3 tickets basically)</td></tr>
</table>

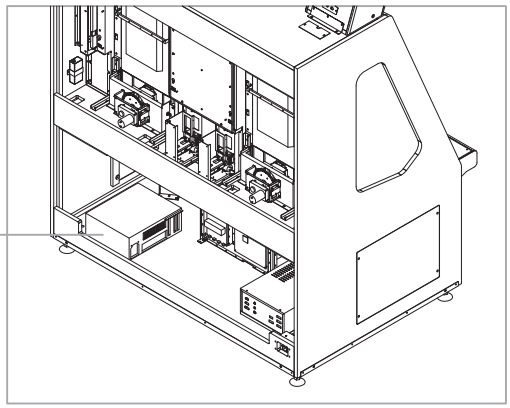
	"1P", "2P",	Individual ticket dispenser operation for 1P and 2P (Release of 3 tickets)
	1P, 2P the individual area of Pin Goal In Hole FND shows individual check status PIN HOLE FND : [1] [2] [3] [ ] [5] [6] [7] HOLE NO 1 FND [□■] : Display of ticket dispenser sensor status (0 or 1) HOLE NO 2 FND [■■] : Display of ticket dispenser sensor check count (00 ~ 99 count repeats) HOLE NO 3 FND [□□] : HOLE NO 5 FND [□□] : HOLE NO 6 FND [□□] : HOLE NO 7 FND [■■] : Display of ticket dispenser operation status (On, Off) And display of error “Er”	
COUNTER	COUNTER TEST ◎ Select the type by Left, Right button and press select button and then it increases by one in sequence of 1P ▶ 2P ◎ 1P, 2P press each Service Button and Coin In of each player increases ◎ 1P, 2P press each Ticket Button and Ticket Out Counter of each player increases	
	"COIN"	Operation of Coin Counter for both 1P and 2P It increases by 1 in sequence from 1P to 2P
	"TICKET"	Operation of Ticket Counter for both 1P and 2P It increases by 1 in sequence from 1P to 2P
SOUND	SOUND TEST ◎ Select the type by Left, Right button and then test by select button (Play, Stop)	
	"OFF"	Stop sound play
	“CH"	Test individual speaker (1P Left, 2P Right)
	“PLAY”	Play of total sound Press Shoot or Service button and play next list
SCREEN	Video Monitor Screen Test ◎ Select the type by Left, Right button and test each item by select button in sequence of each item	
	"OFF"	Monitor Screen Waiting Status
	"GRID"	Monitor Screen Grid Patten Test
	"COLOR"	Monitor Screen Color Test
	"RED"	Monitor Screen Paint in Red
	"GREEN"	Monitor Screen Paint in Green
	"BLUE"	Monitor Screen Paint in Blue
	"WHITE"	Monitor Screen Paint in White
EXIT	Exit to Operating Options	

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

[3. THOUBLESHOOTING]

3-1. SERIAL COMMUNICATION ERROR [E.21]

- IN CASE OF POOR COMMUNICATION BETWEEN MAIN PCB AND MK (PC)



SERIAL COMMUNICATION ERROR [E.21]

TEST MOTOR — YES → END

NO

[HOW TO TEST]
1. DISPLAY 'COMMUNICATION ERROR' ON THE MONITOR
2. DISPLAY 'Er' ON HOLE NO1,5 FND, AND '21' ON HOLE NO2,6 FND

CHECK MK (PC) — NO →
1. REPLACE MK (PC)
2. RECONNECT COMFORT CONNECTOR
3. REPLACE SERIAL COMFORT

YES

[HOW TO CHECK]
1. CHECK IF DEMO SCREEN IS ON
2. CHECK CONNECTION OF SERIAL COMFORT CONNECTOR
3. CHECK SERIAL COMFORT CONNECTOR ON MAIN BOARD INSIDE OF MK (PC)

CHECK MAIN PCB — NO →
1. RECONNECT CONNECTOR

YES

[HOW TO CHECK]
1. CHECK THE CONNECTION OF CN6 CONNECTOR

REPLACE SERIAL CABLE

YES

REPLACE MAIN PCB

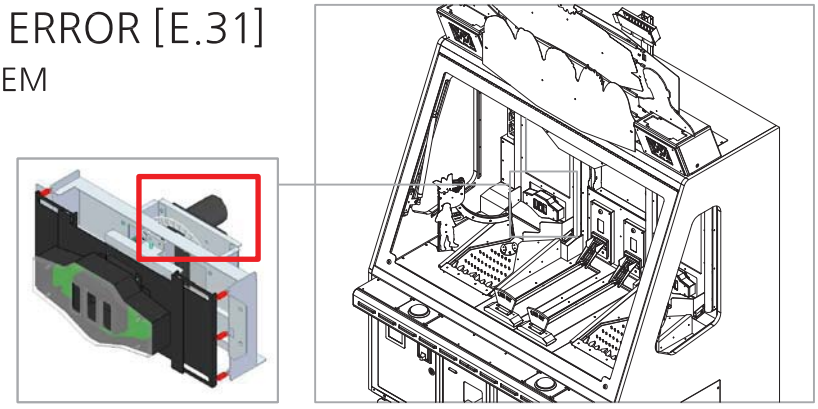
- CODE NO.
[AWWE0PCB001]

END

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

3-2. MAIN CHECKER MOTOR ERROR [E.31]

- IN CASE THE MOTOR IS PROBLEM



MAIN CHECKER MOTOR ERROR (E.31)

TEST MOTOR
- YES → END
- NO →
[HOW TO TEST]
1. TEST MODE > 3. MOT CHECKER
2. MOTOR IS ON WHEN YOU PRESS SELECT BUTTON
3. DISPLAY 'ON' ON HOLE NO 7 FND IF MOTOR IS ON, AND 'OF' IF NOT

CHECK MAIN CHECKER MOTOR
- NO →
1. REMOVE DEBRIS OR DEFECTIVE BALL
2. REASSEMBLE OR REPLACE
- YES →
[HOW TO CHECK]
1. CHECK IF THERE IS A JAM BY DEBRIS OR DEFECTIVE BALL
2. CHECK IF BOLT AND PART ARE IN POSITION
3. CHECK IF THERE IS NO BROKEN PART

CHECK MAIN PCB
- NO →
1. RECONNECT CONNECTOR
2. REPLACE MAIN PCB
- YES →
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
[1P : CN21, 2P : CN22]
2. CHECK DC VOLTAGE ON CONNECTOR
[CN21 ,CN22]
1P : CN21 PIN 3 : 12V, 4 : GND
2P : CN22 PIN 3 : 12V, 4 : GND
3. CHECK CONNECTION OF JOIN CONNECTOR

CHECK MAIN CHECKER MOTOR
- NO →
1. RECONNECT CONNECTOR
- YES →
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK DC VOLTAGE ON CONNECTOR
YELLOW : 12V, GREEN : GND

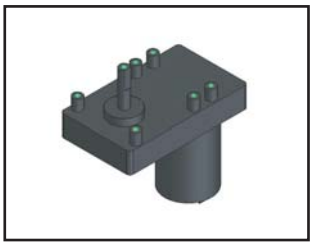
REPLACE MAIN CHECKER MOTOR

NO

REPLACE MAIN PCB

END

- CODE NO.
[MZZZ0MOT141]

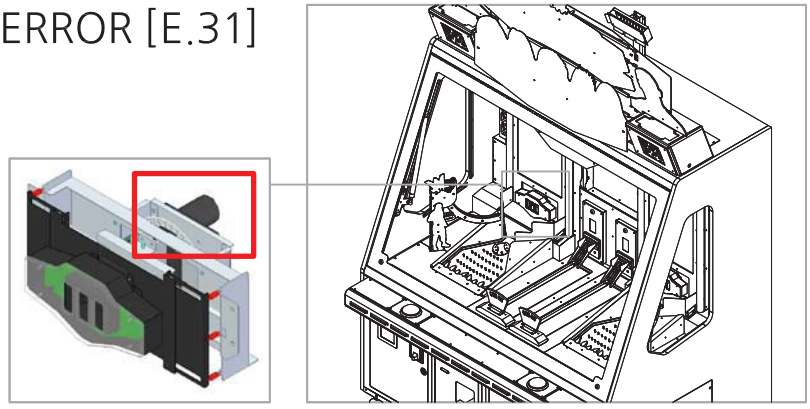


- CODE NO.
[AWWE0PCB001]

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

3-3. MAIN CHECKER MOTOR ERROR [E.31]

- NO SIGNAL ON ENCODER



MAIN CHECKER MOTOR ERROR (E.31)

TEST ENCODER SENSOR

YES → END

NO

[HOW TO TEST]
1. TEST MODE > 3. MOT CHECKER
2. MOTOR IS ON WHEN YOU PRESS SELECT BUTTON
3. CHECK IF '0,1' IS ON AND OFF ON THE SECOND DIGIT OF HOLE NO 1 FND
4. CHECK IF NUMBER ON HOLE NO 3 FND IS INCREASING

CHECK ENCODER SENSOR

NO → 1. REASSEMBLE OR REMOVE DEBRIS
2. REPLACE ENCODER SENSOR

YES

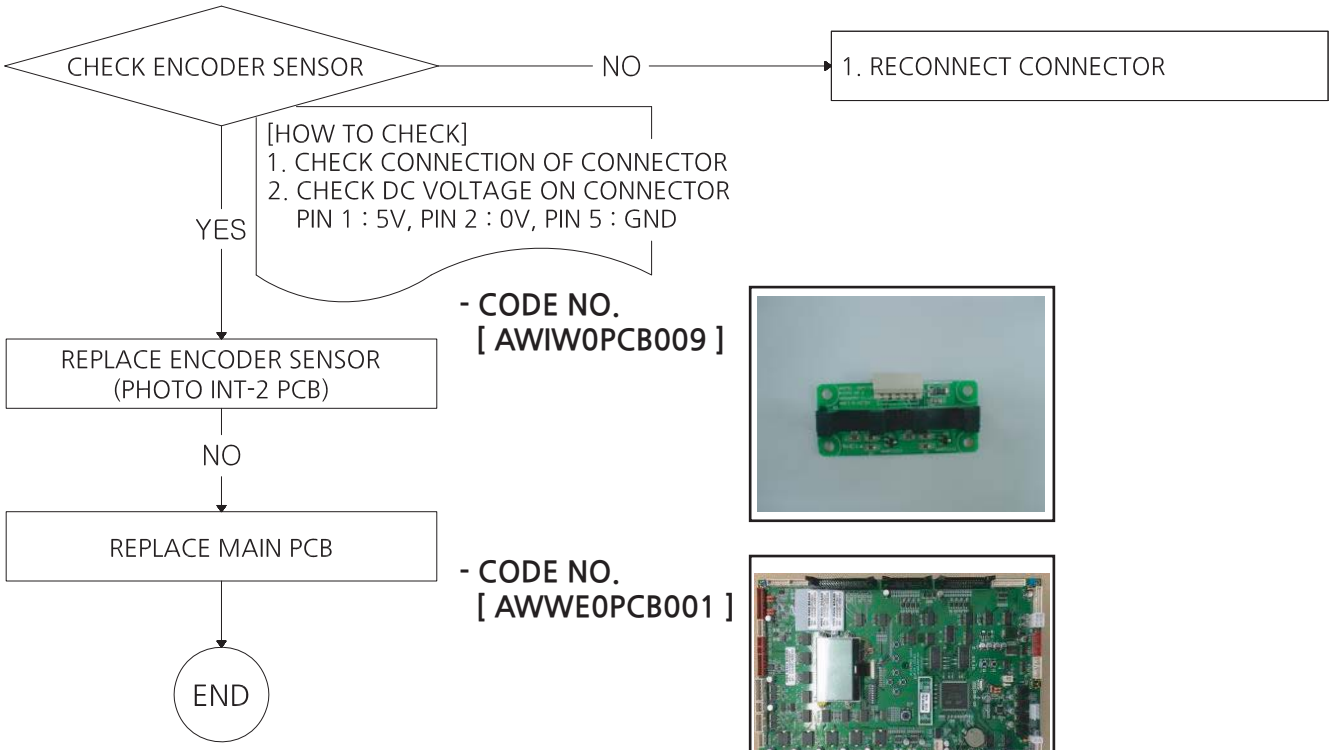
[HOW TO CHECK]
1. CHECK IF SENSOR CHECK BRACKET IS LOCATED IN CENTER OF SENSOR
2. CHECK IF HOLE OF SENSOR CHECK BRACKET IS BLOCKED BY DEBRIS
3. CHECK IF SENSOR CHECK BRACKET IS FIXED IN POSITION
4. CHECK IF SENSOR IS BROKEN

CHECK MAIN PCB

NO → 1. RECONNECT CONNECTOR
2. REPLACE MAIN PCB

YES

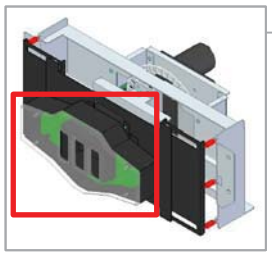
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
[BOTH : CN27, 1P : CN35, 2P : CN36]
2. CHECK DC VOLTAGE ON CONNECTOR
[CN35, CN36]
1P - PIN A13 : 5V, A14:0V,
A16 : GND
2P - PIN B13 : 5V, B14:0V,
B16 : GND
3. CHECK CONNECTION OF JOIN CONNECTOR

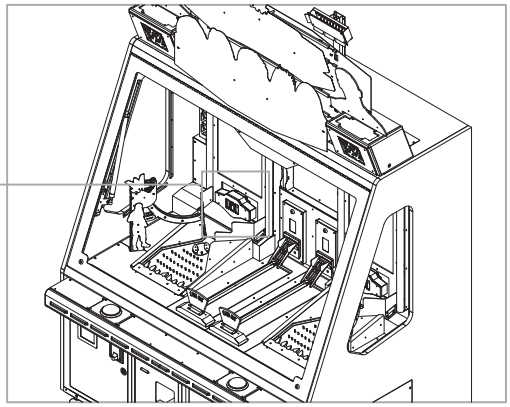

CHECK ENCODER SENSOR
NO
1. RECONNECT CONNECTOR
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK DC VOLTAGE ON CONNECTOR
PIN 1 : 5V, PIN 2 : 0V, PIN 5 : GND
YES
- CODE NO.
[AWIW0PCB009]
REPLACE ENCODER SENSOR
(PHOTO INT-2 PCB)
NO
REPLACE MAIN PCB
- CODE NO.
[AWWE0PCB001]
END

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

3-4. MAIN CHECKER SENSOR ERROR [E.35] (BONUS TARGET SENSOR PCB)

- SIGNAL OF CHECKER SENSOR KEEPS ON





MAIN CHECKER SENSOR
(BONUS TARGET SENSOR PCB) ERROR [E.35]

TEST MAIN CHECKER SENSOR
- YES → END
- NO →
[HOW TO TEST]
1. TEST MODE > 3. MOT CHECKER
2. MOTOR IS ON WHEN YOU PRESS SELECT BUTTON
3. CHECK IF THE NUMBER ON HOLE NO 3 FND IS INCREASING

CHECK MAIN CHECKER SENSOR
- NO →
1. RECONNECT CONNECTOR
2. REMOVE DEBRIS
3. REPLACE MAIN CHECKER SENSOR
- YES →
[HOW TO CHECK]
1. CHECK CONNECTOR CONNECTION
2. CHECK FOR DEBRIS ON SENSOR
3. CHECK IF THE SENSOR IS MISPLACED

CHECK MAIN PCB
- NO →
1. RECONNECT THE CONNECTOR
2. REPLACE THE MAIN PCB
- YES →
[HOW TO CHECK]
1. CHECK CONNECTOR CONNECTION
[BOTH : CN31]
1P : CN15, 2P : CN16(2P)
2. CHECK DC VOLTAGE ON CONNECTOR
[CN31]
1P : CN31 PIN 1 : 5V, 2 : 0V, 5 : GND
2P : CN31 PIN 6 : 5V, 7 : 0V, 10 : GND
3. CHECK JOIN CONNECTOR CONNECTION

CHECK MAIN CHECKER SENSOR
- NO →
1. RECONNECT CONNECTOR
- YES →
[HOW TO CHECK]
1. CHECK CONNECTOR CONNECTION
2. CHECK DC VOLTAGE ON CONNECTOR
PIN 1 : 5V, PIN 2 : 0V, PIN 4 : GND

REPLACE MAIN CHECKER SENSOR
(BONUS TARGET SENSOR PCB)

NO

REPLACE MAIN PCB

END

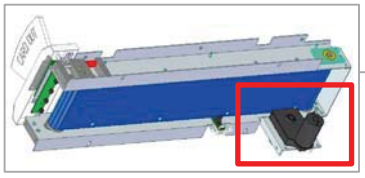
- CODE NO.
[AWWE0PCB005]

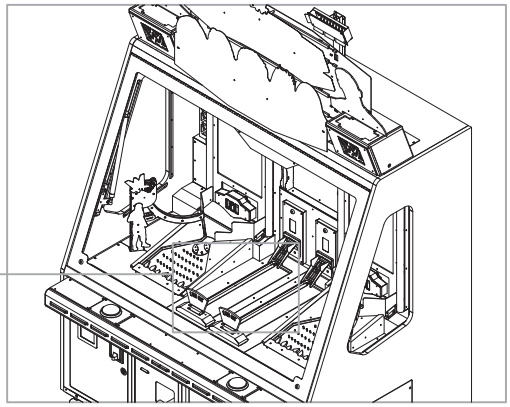
- CODE NO.
[AWWE0PCB001]

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

3-5. CARD BELT MOTOR ERROR [E.41]

- IN CASE THE CARD BELT MOTOR IS PROBLEM





CARD BELT MOTOR ERROR (E.41)

TEST MOTOR
- YES → END
- NO →
  [HOW TO TEST]
  1. TEST MODE > 6. CARD BELT
  2. MOTOR IS ON WHEN YOU PRESS SELECT BUTTON
  3. DISPLAY 'ON' ON HOLE NO 7 FND IF MOTOR IS ON, AND 'OF' IF NOT

CHECK CARD BELT MOTOR
- NO → 1. REMOVE DEBRIS 2. REASSEMBLE OR REPLACE
- YES →
  [HOW TO CHECK]
  1. CHECK IF THERE IS A JAM BY DEBRIS OR DEFECTIVE BALL
  2. CHECK IF BOLT AND PART ARE IN POSITION
  3. CHECK IF THERE IS NO BROKEN PART

CHECK MAIN PCB
- NO → 1. RECONNECT CONNECTOR 2. REPLACE MAIN PCB
- YES →
  [HOW TO CHECK]
  1. CHECK CONNECTION OF CONNECTOR
     [1P : CN21, 2P : CN22]
  2. CHECK DC VOLTAGE ON CONNECTOR
     [CN21, CN22]
     1P : CN21 PIN 5 : 12V, 6 : GND
     2P : CN22 PIN 5 : 12V, 6 : GND
  3. CHECK CONNECTION OF JOIN CONNECTOR

CHECK CARD BELT MOTOR
- NO → 1. RECONNCET CONNECTOR
- YES →
  [HOW TO CHECK]
  1. CHECK CONNECTION OF CONNECTOR
  2. CHECK DC VOLTAGE ON CONNECTOR
     YELLOW : 12V, ORANGE : GND

REPLACE MOTOR

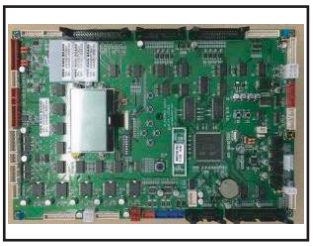
NO

REPLACE MAIN PCB

END

- CODE NO.
  [MZZZ0MOT115]

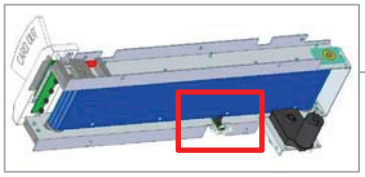
- CODE NO.
  [AWWE0PCB001]

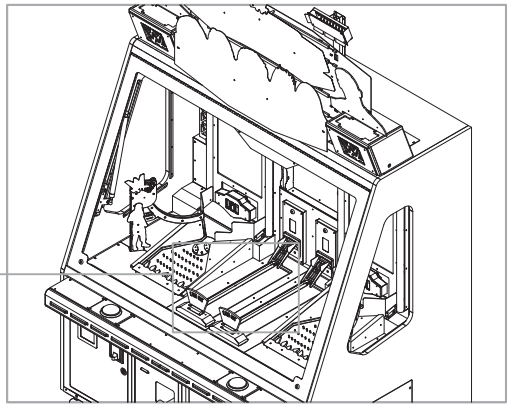


* General check up : Check the supply voltage and wiring connection properly
* "NO" : Means faulty of the check up result.

3-6. CARD BELT MOTOR ERROR [E.41]

- NO SIGNAL ON ENCODER





CARD BELT MOTOR ERROR (E.41)

TEST ENCODER SENSOR

YES → END

NO

[HOW TO TEST]
1. TEST MODE > 3. MOT CHECKER
2. MOTOR IS ON WHEN YOU PRESS SELECT BUTTON
3. CHECK IF '0,1' IS ON AND OFF ON THE SECOND DIGIT OF HOLE NO 1 FND
4. CHECK IF NUMBER ON HOLE NO 3 FND IS INCREASING

CHECK ENCODER SENSOR BRACKET

NO →
1. RECONNECT CONNECTOR
2. REASSEMBLE
3. REMOVE DEBRIS
4. REPLACE ENCODER SENSOR

YES

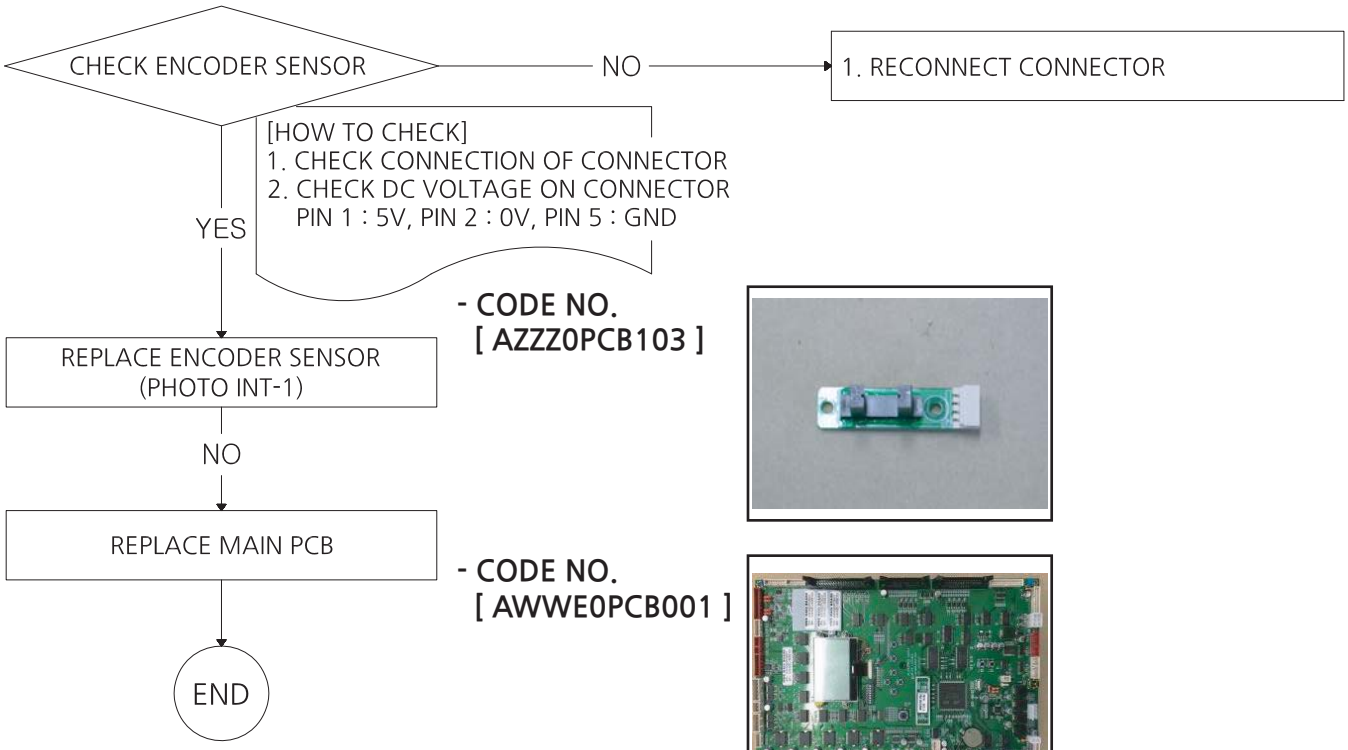
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK IF SENSOR CHECK BRACKET IS LOCATED IN CENTER OF SENSOR
3. CHECK IF HOLE OF SENSOR CHECK BRACKET IS BLOCKED BY DEBRIS
4. CHECK IF SENSOR CHECK BRACKET IS FIXED IN POSITION
5. CHECK IF SENSOR IS BROKEN

CHECK MAIN PCB

NO →
1. RECONNECT CONNECTOR
2. REPLACE MAIN PCB

YES

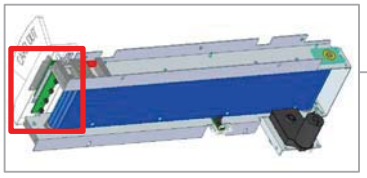
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
[BOTH : CN27, 1P : CN35, 2P : CN36]
2. CHECK DC VOLTAGE ON CONNECTOR
[CN27]
1P - PIN A9 : 5V, A10 : 0V, A16 : GND
2P - PIN B9 : 5V, B10 : 0V, B16 : GND
3. CHECK CONNECTION OF JOIN CONNECTOR

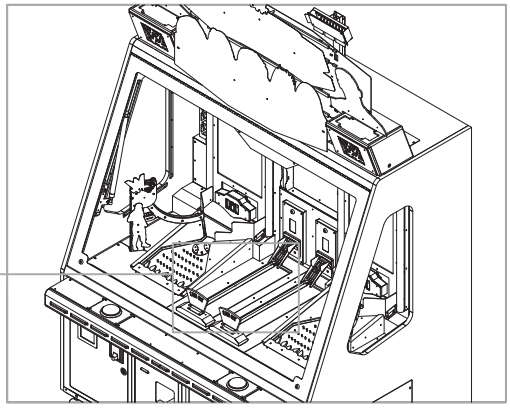

CHECK ENCODER SENSOR
NO
1. RECONNECT CONNECTOR
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK DC VOLTAGE ON CONNECTOR
PIN 1 : 5V, PIN 2 : 0V, PIN 5 : GND
YES
REPLACE ENCODER SENSOR
(PHOTO INT-1)
NO
REPLACE MAIN PCB
END
- CODE NO.
[AZZZ0PCB103]
- CODE NO.
[AWWE0PCB001]

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

3-7. CARD DROP SENSOR [E.43, E.44]

- SIGNAL KEEPS ON OR NO SIGNAL





CARD DROP SENSOR (E.43, E.44)

SIGNAL TEST FOR CARD DROP SENSOR

YES → END

NO

[HOW TO TEST]
1. TEST MODE > 6. CARD BELT
2. MOTOR IS ON WHEN YOU PRESS SELECT BUTTON
3. CHECK IF '0,1' IS ON AND OFF ON THE SECOND DIGIT OF HOLE NO 5 FND
4. CHECK IF NUMBER ON HOLE NO 6 FND IS INCREASING

CHECK CARD DROP SENSOR

NO →
1. REMOVE DEBRIS
2. REPLACE CARD DROP SENSOR
3. REFILL CARDS
4. REPLACE CARD DISPENSOR

YES

[HOW TO CHECK]
1. CHECK FOR DAMAGE ON SENSOR
2. CHECK IF THERE IS ANY DEBRIS ON SENSOR
3. CHECK IF THERE IS A CARD ON CARD CONVEYOR
4. CHECK CARD DISPENSOR

CHECK MAIN PCB

NO →
1. RECONNECT CONNECTOR
2. REPLACE MAIN PCB

YES

[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR [CN27]
2. CHECK DC VOLTAGE ON CONNECTOR [CN27]
   1P : PIN A9 : 5V, A10:0V, A12 : GND
   2P : PIN B9 : 5V, B10:0V, B12 : GND
3. CHECK CONNECTION OF JOIN CONNECTOR

CHECK CARD DROP SENSOR PCB

NO →
1. RECONNECT CONNECTOR

YES

[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK DC VOLTAGE ON CONNECTOR
   PIN 1 : 5V, PIN 2 : 0V, PIN 4 : GND

REPLACE CARD DROP SENSOR

NO

REPLACE MAIN PCB

END

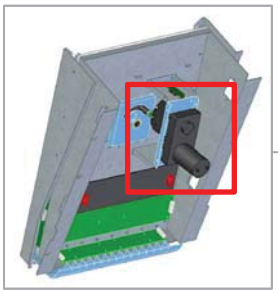
- CODE NO.
  [ADM30PCB003]

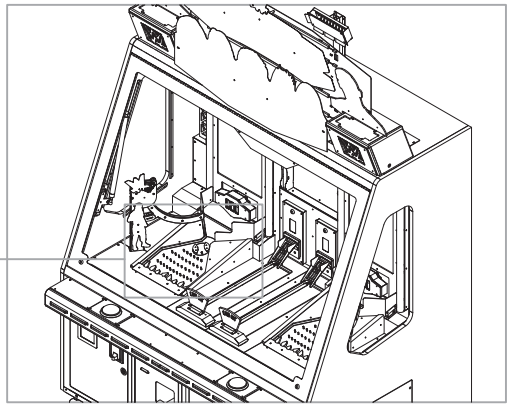
- CODE NO.
  [AWWE0PCB001]

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

3-8. PIN SWING MOTOR ERROR [E.51]

- IN CASE THE MOTOR IS PROBLEM





PIN SWING MOTOR ERROR (E.51)

TEST MOTOR

YES → END

NO

[HOW TO TEST]
1. TEST MODE > 5. MOT PIN MOVE
2. MOTOR IS ON WHEN YOU PRESS SELECT BUTTON
3. DISPLAY 'ON' ON HOLE NO 7 FND IF MOTOR IS ON, AND 'OF' IF NOT

CHECK PIN SWING MOTOR

NO →
1. REMOVE DEBRIS OR DEFECTIVE BALL
2. REASSEMBLE OR REPLACE

YES

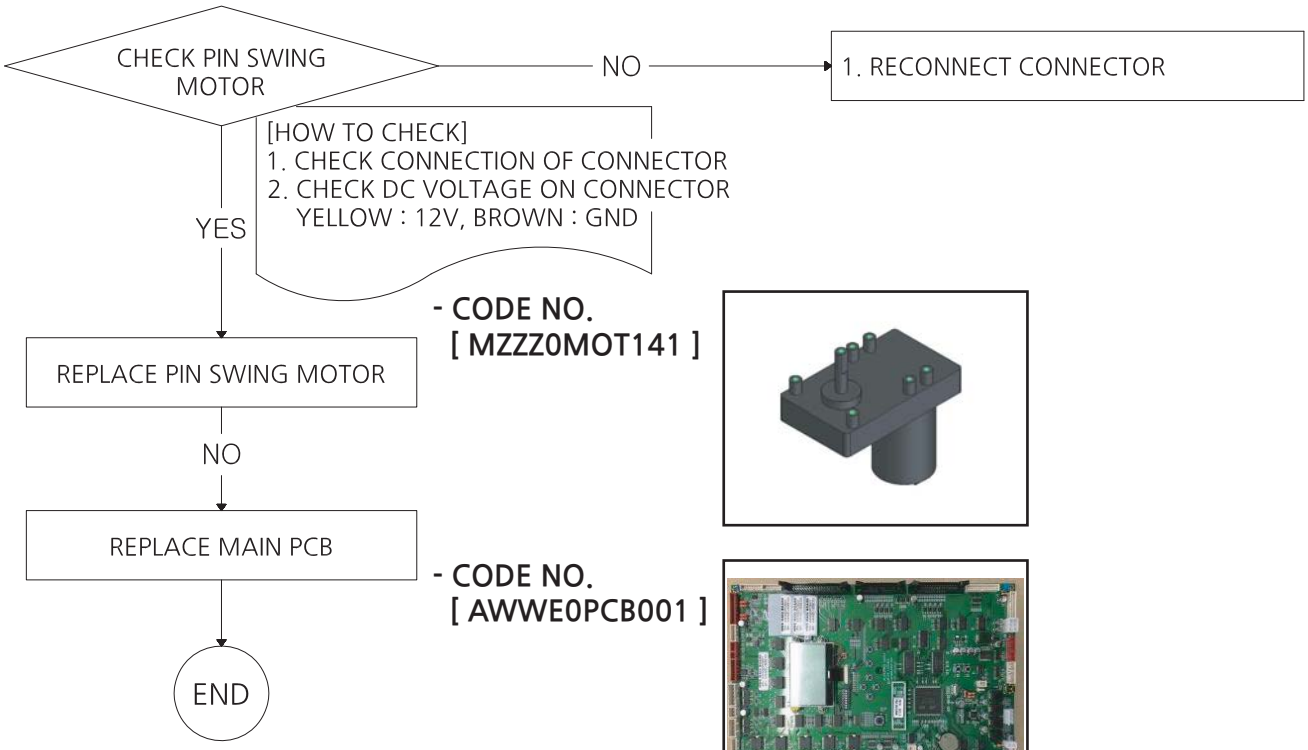
[HOW TO CHECK]
1. CHECK IF THERE IS A JAM BY DEBRIS OR DEFECTIVE BALL
2. CHECK IF BOLT AND PART ARE IN POSITION
3. CHECK IF THERE IS NO BROKEN PART

CHECK MAIN PCB

NO →
1. RECONNECT CONNECTOR
2. REPLACE MAIN PCB

YES

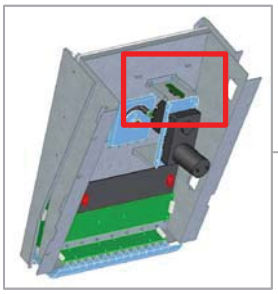
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
[1P : CN21, 2P : CN22]
2. CHECK DC VOLTAGE ON CONNECTOR
[CN21, CN22]
1P : CN21 PIN 1 : 12V, 2 : GND
2P : CN22 PIN 1 : 12V, 2 : GND
3. CHECK CONNECTION OF JOIN CONNECTOR

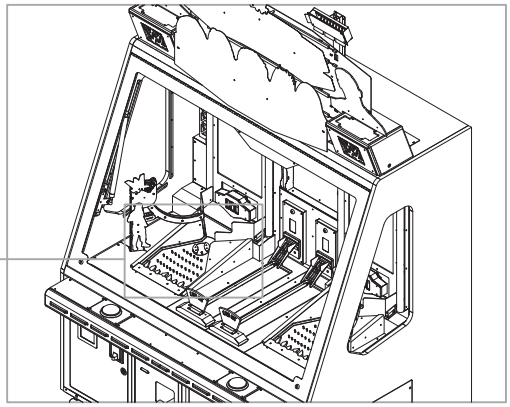

CHECK PIN SWING MOTOR
NO
1. RECONNECT CONNECTOR
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK DC VOLTAGE ON CONNECTOR
YELLOW : 12V, BROWN : GND
YES
- CODE NO.
[MZZZ0MOT141]
REPLACE PIN SWING MOTOR
NO
REPLACE MAIN PCB
- CODE NO.
[AWWE0PCB001]
END

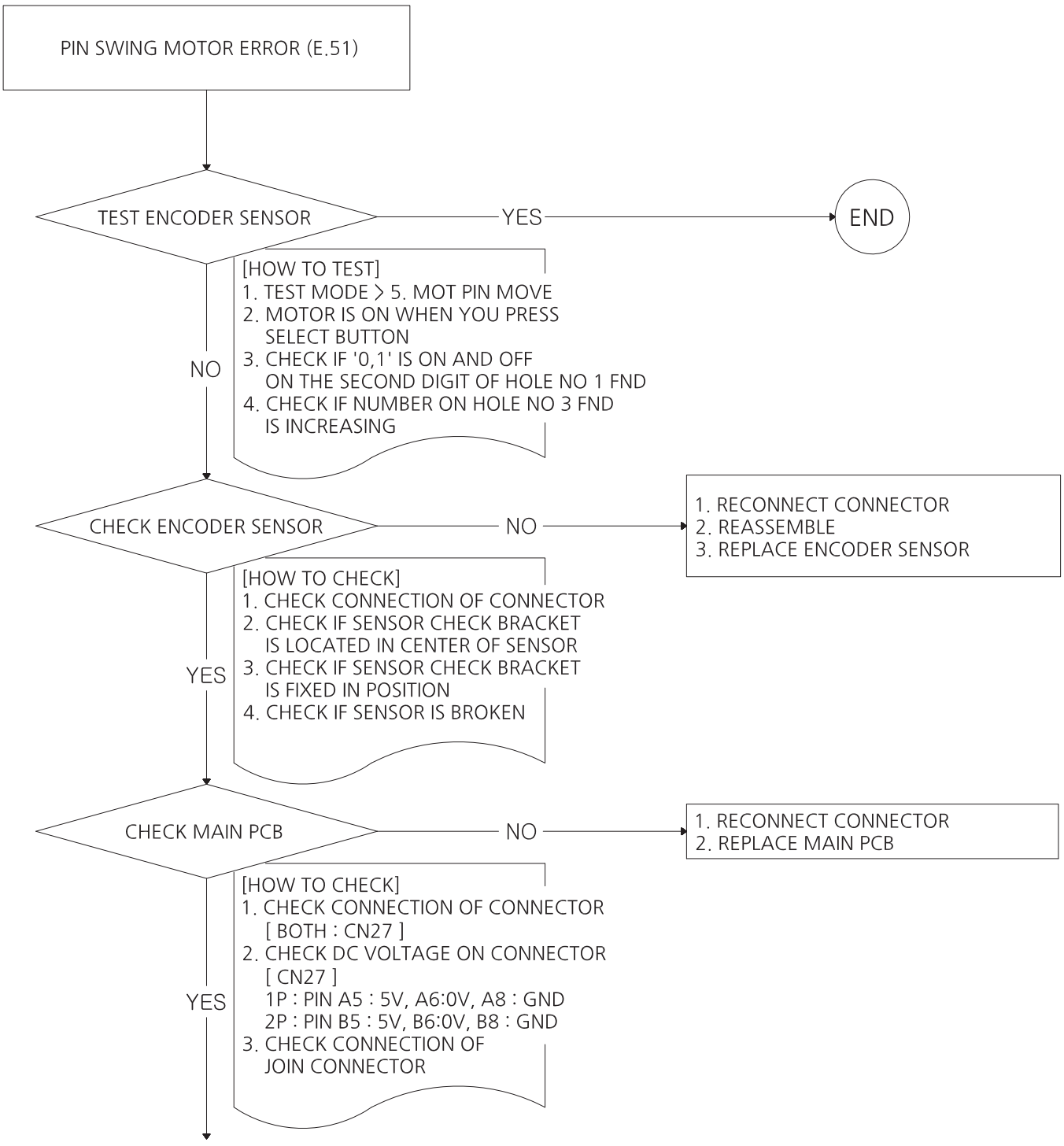
* General check up : Check the supply voltage and wiring connection properly
* "NO" : Means faulty of the check up result.

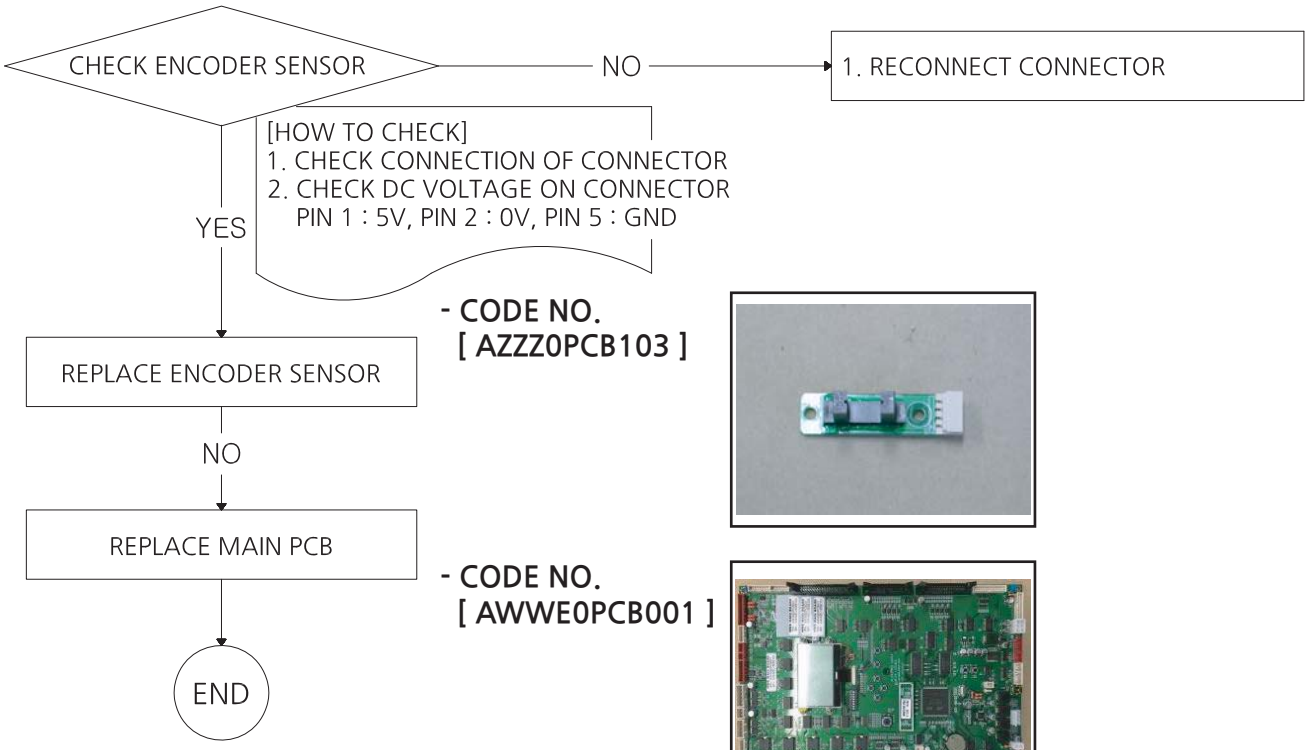
3-9. PIN SWING MOTOR ERROR [E.51]

- NO SIGNAL ON ENCODER





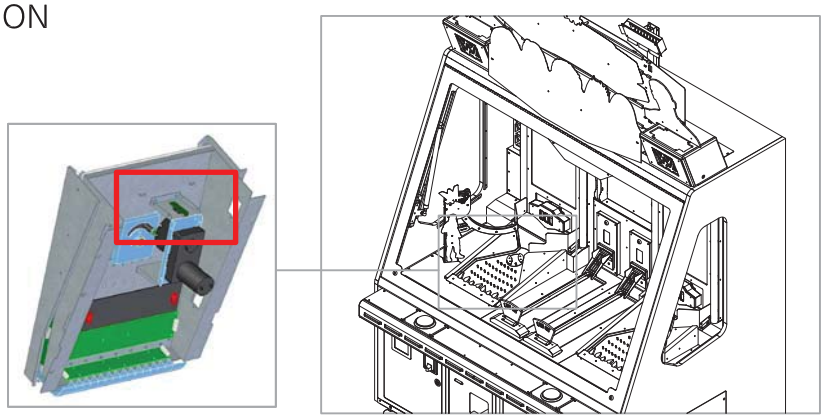



CHECK ENCODER SENSOR
NO
1. RECONNECT CONNECTOR
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK DC VOLTAGE ON CONNECTOR
PIN 1 : 5V, PIN 2 : 0V, PIN 5 : GND
YES
REPLACE ENCODER SENSOR
NO
REPLACE MAIN PCB
END
- CODE NO.
[AZZZ0PCB103]
- CODE NO.
[AWWE0PCB001]

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

3-10. PIN GOAL-IN HOLE SENSOR ERROR [E.71~77]

- IN CASE THE SIGNAL KEEPS ON



PIN GOAL-IN HOLE SENSOR ERROR [E.71~77]

TEST PIN GOAL-IN HOLE SENSOR

YES → END

NO

[HOW TO TEST]
1. TEST MODE > 4. MOT BALL SHOT
2. IN TEST MODE, CHECK IF THE NUMBER OF FND ON EACH HOLE ARE DISPLAYED MORE THAN 1
3. CHECK IF THERE IS ANY HOLE THAT CANNOT COUNT THE BALL WHEN IT GOES THROUGH THE HOLE

CHECK PIN GOAL-IN HOLE SENSOR

NO → 1. REMOVE DEBRIS OR DEFECTIVE BALL
2. REASSEMBLE OR REPLACE

YES

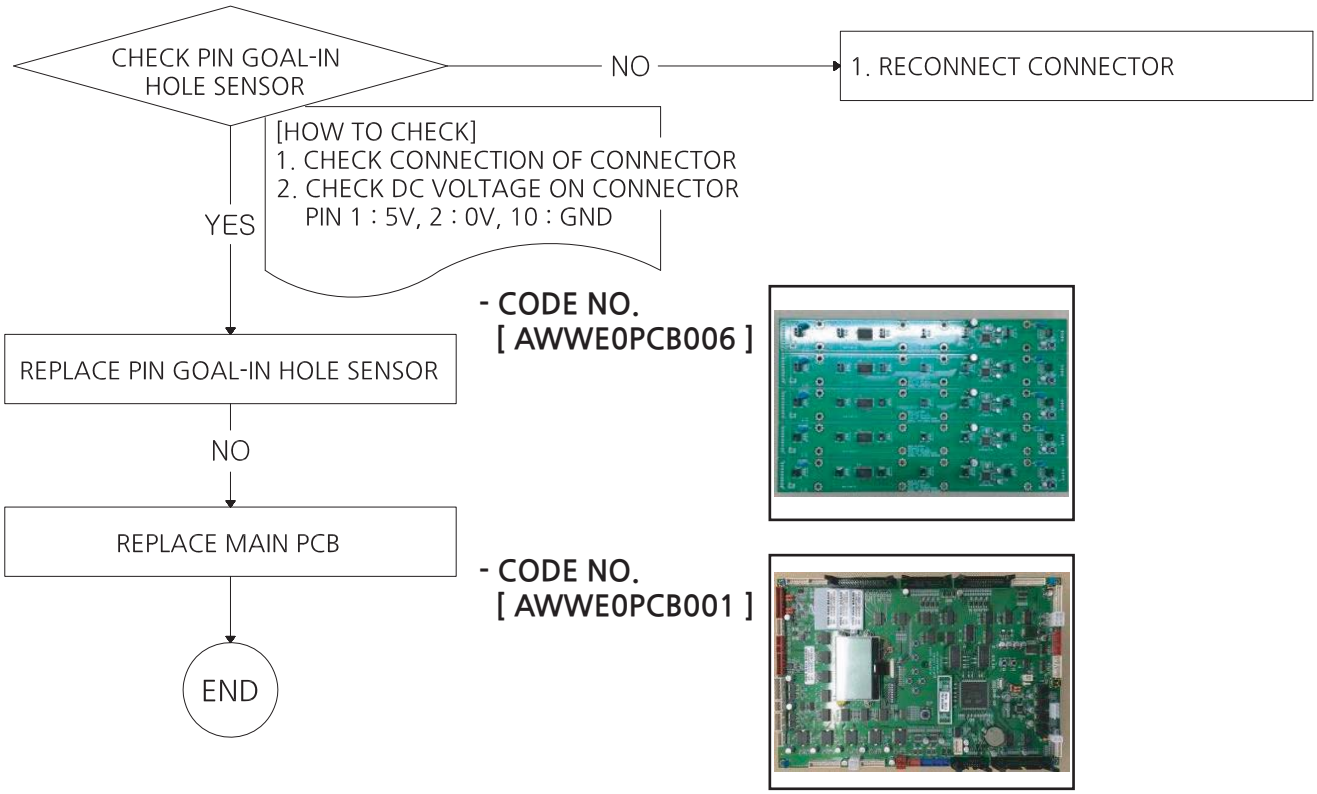
[HOW TO CHECK]
1. CHECK IF THERE IS ANY DEBRIS OR DEFECTIVE BALL IN THE SENSOR
2. CHECK IF BOLT AND PART ARE IN POSITION
3. CHECK IF THERE IS NO BROKEN PART

CHECK MAIN PCB

NO → 1. RECONNECT CONNECTOR
2. REPLACE MAIN PCB

YES

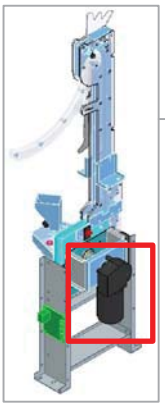
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
[BOTH : CN31]
1P : CN28, 2P : CN29(2P)
2. CHECK DC VOLTAGE ON CONNECTOR
[CN31, CN32]
1P : CN31 PIN 1 : 5V, A : 0V, 5 : GND
2P : CN31 PIN 6 : 5V, 7 : 0V, 8 : GND
3. CHECK CONNECTION OF JOIN CONNECTOR

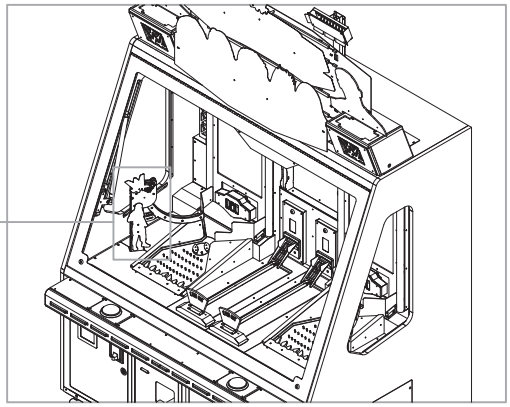

CHECK PIN GOAL-IN HOLE SENSOR
NO
1. RECONNECT CONNECTOR
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK DC VOLTAGE ON CONNECTOR
PIN 1 : 5V, 2 : 0V, 10 : GND
YES
REPLACE PIN GOAL-IN HOLE SENSOR
NO
REPLACE MAIN PCB
END
- CODE NO.
[AWWE0PCB006]
- CODE NO.
[AWWE0PCB001]

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

3-11. BALL ELEVATOR JAM ERROR [E.61]

- IN CASE THE ELEVATOR MOTOR IS PROBLEM





BALL ELEVATOR JAM ERROR (E.61)

TEST MOTOR
- YES → END
- NO →
  [HOW TO TEST]
  1. TEST MODE > 4. MOT BALL SHOT
  2. SELECT 1P, 2P BY LEFT/RIGHT BUTTON
     MOTOR IS ON/OFF BY SELECT BUTTON
  3. MOTOR IS ON/OFF ALSO BY 1P OR
     2P SHOOT BUTTON

CHECK BALL ELEVATOR MOTOR
- NO →
  1. REMOVE DEBRIS OR DEFECTIVE BALL
  2. REASSEMBLE OR REPLACE
- YES →
  [HOW TO CHECK]
  1. CHECK IF THERE IS A JAM BY
     DEBRIS OR DEFECTIVE BALL
  2. CHECK IF BOLT AND PART ARE
     IN POSITION
  3. CHECK IF THERE IS NO BROKEN PART

CHECK MAIN PCB
- NO →
  1. RECONNECT CONNECTOR
  2. REPLACE MAIN PCB
- YES →
  [HOW TO CHECK]
  1. CHECK CONNECTION OF CONNECTOR
     [CN32]
  2. CHECK DC VOLTAGE ON CONNECTOR
     [CN21, CN22]
     1P : CN21 PIN 5 : 12V, 6 : GND
     2P : CN22 PIN 5 : 12V, 6 : GND
  3. CHECK CONNECTION OF
     JOIN CONNECTOR

CHECK HOPPER PCB

NO

1. RECONNECT CONNECTOR
2. REPLACE RSP-320-12V SMPS#1
3. REPLACE HOPPER PCB

YES

[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
   [JP1]
2. CHECK DC VOLTAGE ON CONNECTOR
   PIN 2 : 5V, 2 : GND
3. CHECK CONNECTION OF CONNECTOR
   [J11]
4. CHECK DC VOLTAGE ON CONNECTOR
   PIN 1 : 12V, 2 : GND
5. CHECK CONNECTION OF CONNECTOR
   [JP3]
6. CHECK DC VOLTAGE ON CONNECTOR
   PIN 1 : 12V, 2 : GND
7. CHECK CONNECTION OF
   JOIN CONNECTOR

CHECK BALL ELEVATOR MOTOR

NO

1. RECONNECT CONNECTOR

YES

[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK DC VOLTAGE ON CONNECTOR
   PIN 1 : 12V, 2 : GND

REPLACE BALL ELEVATOR MOTOR

NO

REPLACE HOPPER PCB

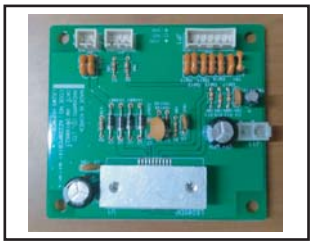
NO

REPLACE MAIN PCB

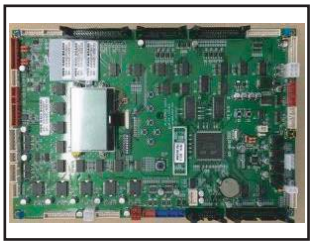
END

- CODE NO.
[MZZZ0MOT118]

- CODE NO.
[AZZZ0PCB141]



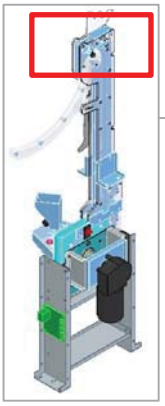
- CODE NO.
[AWWE0PCB001]

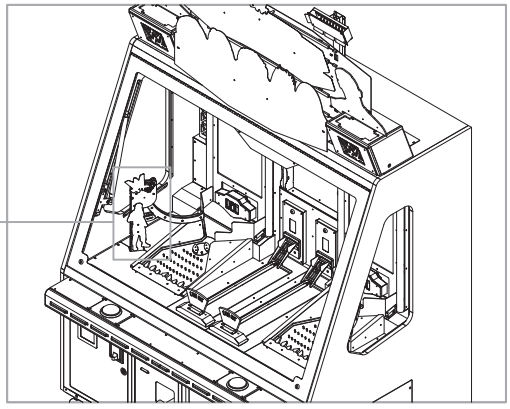


* General check up : Check the supply voltage and wiring connection properly
* "NO" : Means faulty of the check up result.

3-12. BALL ELEVATOR JAM ERROR [E.61]

- IN CASE THE ELEVATOR MOTOR ENCODER SENSOR IS PROBLEM





BALL ELEVATOR JAM ERROR (E.61)

TEST MOTOR ENCODER SENSOR

YES → END

NO

[HOW TO TEST]
1. TEST MODE > 4. MOT BALL SHOT
2. SELECT 1P, 2P BY LEFT/RIGHT BUTTON AND ON/OFF BY SELECT BUTTON
3. ALSO ON/OFF BY 1P OR 2P SHOOT BUTTON
4. CHECK IF TICKET BUTTON LAMP IS ON/OFF

CHECK BALL ELEVATOR MOTOR ENCODER

NO →
1. REMOVE DEBRIS OR DEFECTIVE BALL
2. REASSEMBLE OR REPLACE

YES

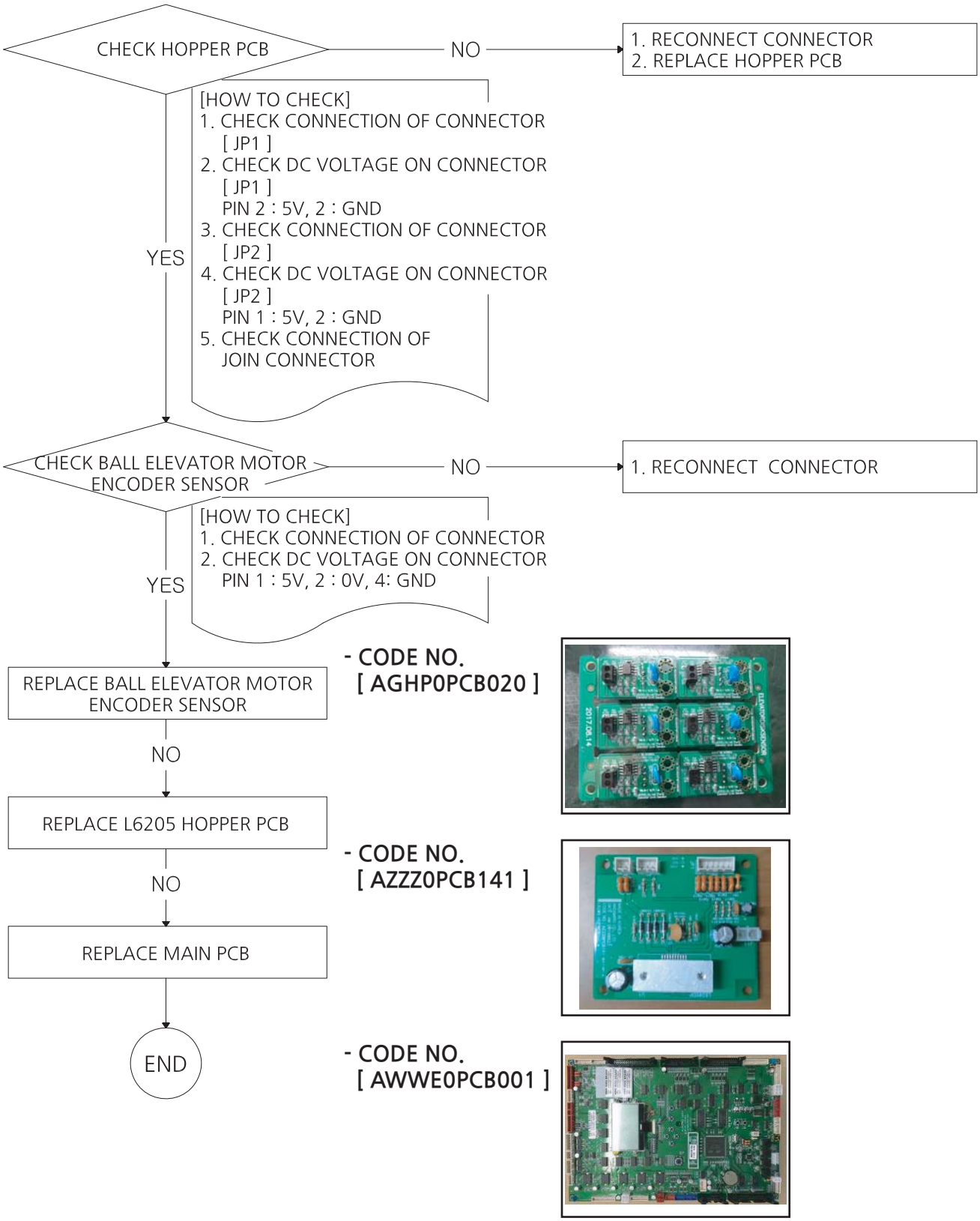
[HOW TO CHECK]
1. CHECK IF SENSOR CHECK BRACKET IS TOO CLOSE TO THE SENSOR
2. CHECK IF THE HOLES OF SENSOR CHECK BRACKET ARE BLOCKED BY DEBRIS
3. CHECK IF BOLT AND PART ARE IN POSITION
4. CHECK IF THERE IS NO BROKEN PART

CHECK MAIN PCB

NO →
1. RECONNECT CONNECTOR
2. REPLACE MAIN PCB

YES

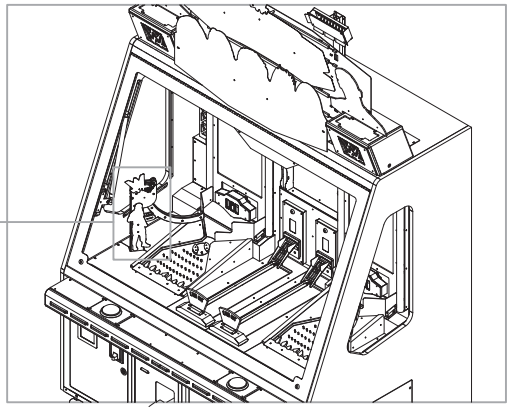
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR [CN27]
2. CHECK DC VOLTAGE ON CONNECTOR [CN27]
   1P : PIN A2 : 0V, A4 : GND
   2P : PIN B2 : 0V, B4 : GND
3. CHECK CONNECTION OF JOIN CONNECTOR


CHECK HOPPER PCB
NO
1. RECONNECT CONNECTOR
2. REPLACE HOPPER PCB
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
[JP1]
2. CHECK DC VOLTAGE ON CONNECTOR
[JP1]
PIN 2 : 5V, 2 : GND
3. CHECK CONNECTION OF CONNECTOR
[JP2]
4. CHECK DC VOLTAGE ON CONNECTOR
[JP2]
PIN 1 : 5V, 2 : GND
5. CHECK CONNECTION OF
JOIN CONNECTOR
YES
CHECK BALL ELEVATOR MOTOR
ENCODER SENSOR
NO
1. RECONNECT CONNECTOR
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK DC VOLTAGE ON CONNECTOR
PIN 1 : 5V, 2 : 0V, 4: GND
YES
REPLACE BALL ELEVATOR MOTOR
ENCODER SENSOR
- CODE NO.
[AGHP0PCB020]
NO
REPLACE L6205 HOPPER PCB
- CODE NO.
[AZZZ0PCB141]
NO
REPLACE MAIN PCB
- CODE NO.
[AWWE0PCB001]
END

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

3-13. BALL ELEVATOR SENSOR ERROR [E.62]

- IN CASE UPPER BALL SENSOR IS PROBLEM



BALL ELEVATOR SENSOR ERROR (E.62)

TEST BALL ELEVATOR UPPER SENSOR

YES → END

NO

[HOW TO TEST]
1. TEST MODE > 4. MOT BALL SHOT
2. SELECT 1P, 2P BY LEFT/RIGHT BUTTON AND ON/OFF BY SELECT BUTTON
3. ALSO ON/OFF BY 1P OR 2P SHOOT BUTTON
4. CHECK IF LAMP OF SHOOT BUTTON IS BLINK WHEN THE BALL IS SHOT

CHECK BALL ELEVATOR UPPER SENSOR

NO →
1. REMOVE DEBRIS OR DEFECTIVE BALL
2. REASSEMBLE OR REPLACE

YES

[HOW TO CHECK]
1. CHECK IF THERE IS A JAM BY DEBRIS OR DEFECTIVE BALL
2. CHECK IF BOLT AND PART ARE IN POSITION
3. CHECK IF THERE IS NO BROKEN PART

CHECK MAIN PCB

NO →
1. RECONNECT CONNECTOR
2. REPLACE MAIN PCB

YES

[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR [CN27]
2. CHECK DC VOLTAGE ON CONNECTOR [CN27]
   1P : PIN A1 : 5V, A2 : 0V, A4 : GND
   2P : PIN B1 : 5V, B2 : 0V, B4 : GND
3. CHECK CONNECTION OF JOIN CONNECTOR

CHECK BALL ELEVATOR UPPER SENSOR

NO →
1. RECONNECT CONNECTOR

YES

[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR
2. CHECK DC VOLTAGE ON CONNECTOR
   PIN 1 : 5V, 2 : 0V, 4 : GND

YES

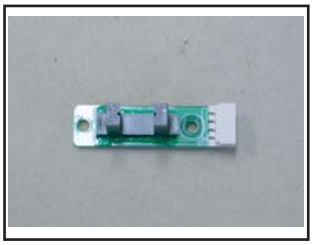
REPLACE BALL ELEVATOR
UPPER SENSOR

NO

REPLACE MAIN PCB

END

- CODE NO.
  [AZZZ0PCB103]

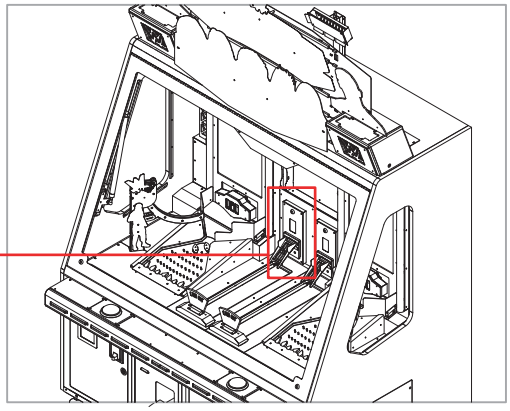


- CODE NO.
  [AWWE0PCB001]

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

3-14. CARD DISPENSER ERROR [E.81]

- NO CARD OR CARD DISPENSER IS PROBLEM



CARD DISPENSER ERROR [E.81]

TEST CARD DISPENSER
YES → END
NO

[HOW TO TEST]
1. TEST MODE > 7. CARD OUT
2. SELECT 1P, 2P BY LEFT/RIGHT BUTTON AND CARD OUT BY SELECT BUTTON
3. ALSO CARD OUT BY 1P OR 2P SHOOT BUTTON
4. DISPLAY CARD DISPENSER CONDITION ON HOLE NO 7 FND BY 'ON/OFF'

CHECK CARD DISPENSER
NO →
1. REFILL CARDS
2. ADJUST CARD OUT HEIGHT
3. REASSEMBLE OR REPLACE PARTS
YES

[HOW TO CHECK]
1. CHECK IF THERE ARE ENOUGH CARDS IN CARD DISPENSER
2. CHECK IF CARD CAN COME OUT FROM THE CARD OUT HOLE
3. CHECK IF THERE IS NO BROKEN PART

REPLACE MAIN PCB
NO →
1. RECONNECT CONNECTOR
YES

[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR [CN27]
2. CHECK CONNECTION OF JOIN CONNECTOR

CHECK CARD DISPENSER I/O PCB
NO →
1. RECONNECT CONNECTOR
2. REPLACE RSP-320-12V SMPS#2 IF THE VOLTAGE IS NOT 12V
YES

[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR 6P
2. CHECK DC VOLTAGE ON CONNECTOR 6P
   PIN 1,2 : GND, 5,6 : 12V
3. CHECK CONNECTION OF CONNECTOR [CN1]
4. CHECK DC VOLTAGE ON CONNECTOR [CN1]

REPLACE CARD DISPENSER MOTOR

NO

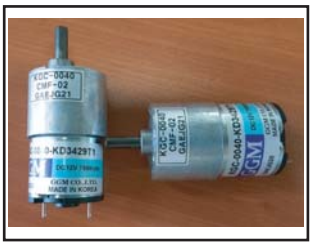
REPLACE CARD DISPENSER I/O PCB

NO

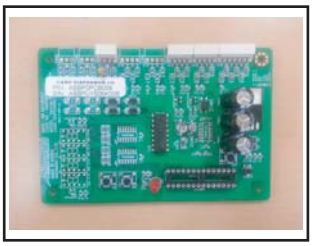
REPLACE MAIN PCB

END

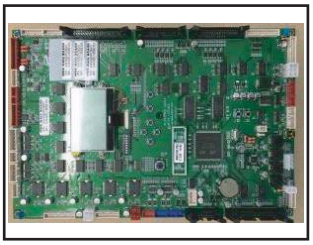
- CODE NO.
[MZZZ0MOT089]



- CODE NO.
[ASBP0PCB008]



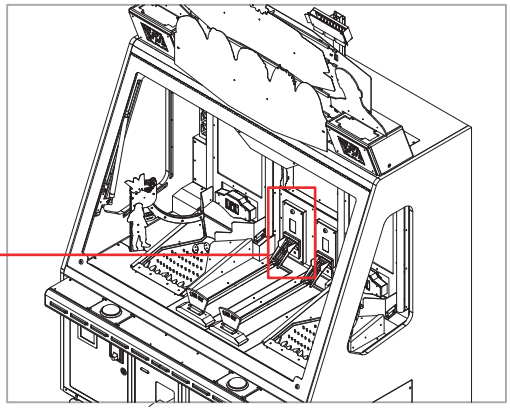
- CODE NO.
[AWWE0PCB001]



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

3-15. CARD DISPENSER ERROR [E.81]

- IN CASE CARD KEEPS OUT



CARD DISPENSER ERROR [E.81]

TEST CARD DISPENSER
- YES → END
- NO →
  [HOW TO TEST]
  1. TEST MODE > 7. CARD OUT
  2. SELECT 1P, 2P BY LEFT/RIGHT BUTTON AND CARD OUT BY SELECT BUTTON
  3. ALSO CARD OUT BY 1P OR 2P SHOOT BUTTON
  4. DISPLAY SENSOR CONDITION ON HOLE NO 1 FND BY 0 or 1

CHECK CARD DISPENSER
- NO → 1. REMOVE DEBRIS 2. REASSEMBLE OR REPLACE PARTS
- YES →
  [HOW TO CHECK]
  1. CHECK IF THERE IS ANY DEBRIS ON SENSOR
  2. CHECK IF THERE IS NO BROKEN PART

CHECK MAIN PCB
- NO → 1.RECONNECT CONNECTOR
- YES →
  [HOW TO CHECK]
  1. CHECK CONNECTION OF CONNECTOR [CN27]
  2. CHECK CONNECTION OF JOIN CONNECTOR

CHECK CARD DISPENSER I/O PCB
- NO → 1. RECONNECT CONNECTOR 2. REPLACE RSP-320-12V SMPS#2 IF THE VOLTAGE IS NOT 12V
- YES →
  [HOW TO CHECK]
  1. CHECK CONNECTION OF CONNECTOR 6P
  2. CHECK DC VOLTAGE ON CONNECTOR 6P PIN 1,2 : GND, 5,6 : 12V
  3. CHECK CONNECTION OF CONNECTOR [CN5]
  4. CHECK DC VOLTAGE ON CONNECTOR [CN5] PIN 1 : 5V, 2 : 0V, 3 : GND

REPLACE CARD DISPENSER SENSOR PCB

NO

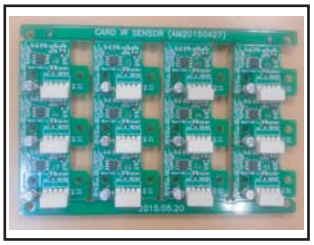
REPLACE CARD DISPENSER I/O PCB

NO

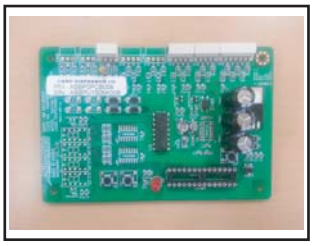
REPLACE MAIN PCB

END

- CODE NO.
  [ASBP0PCB009]



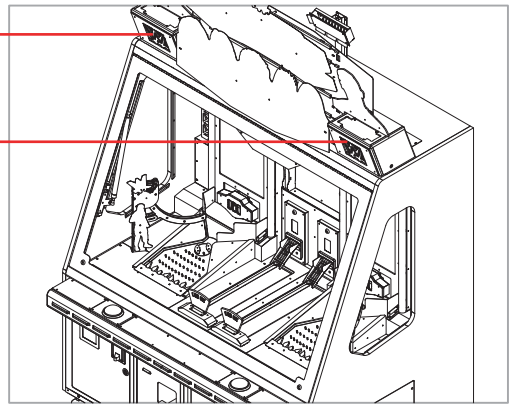
- CODE NO.
  [ASBP0PCB008]



- CODE NO.
  [AWWE0PCB001]

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

3-16. SOUND ERROR



SOUND ERROR

TEST SOUND
YES → END
NO

[HOW TO TEST]
1. TEST MODE > 12. SOUND
2. SELECT MUSIC BY LEFT/RIGHT BUTTON ON SETUP LCD AND TEST BY SELECT BUTTON

CHECK MK (PC)
NO → 1. REPLACE MK(PC)
2. RECONNECT CONNECTOR
YES

[HOW TO CHECK]
1. CHECK IF THE DEMO MONITOR WORKS PROPERLY
2. CHECK CONNECTION FOR SOUND CONNECTOR (CENTRAL)
3. CHECK SOUND OUTPUT FOR OTHER EQUIPMENTS (EARPHONES, HEADSETS)

CHECK SOUND CABLE
NO → 1. REPLACE SOUND CABLE
YES

[HOW TO CHECK]
1. AFTER CONNECTING OTHER EQUIPMENT (HEADSET) TO THE STEREO INPUT, CHECK SOUND OUTPUT FOR SOUND PLAY

CHECK AMP PCB
NO → 1. RECONNECT CONNECTOR
2. REPLACE LRS 150F-24V SMPS
YES

[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR [J6]
2. CHECK DC VOLTAGE ON CONNECTOR [J6]
PIN 1 : 24V, 2: GND
3. CHECK CONNECTION OF CONNECTOR [J5]
4. CHECK CONNECTION OF CONNECTOR [JP3]
5. CHECK CONNECTION OF CONNECTOR [J3, J4]
6. CHECK CONNECTION OF JOIN CONNECTOR

REPLACE VOLUME PCB

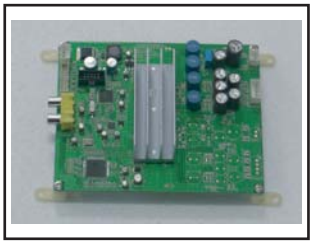
NO

REPLACE DIGITAL AMP PCB

END

- CODE NO.
  [APUJ0PCB005]

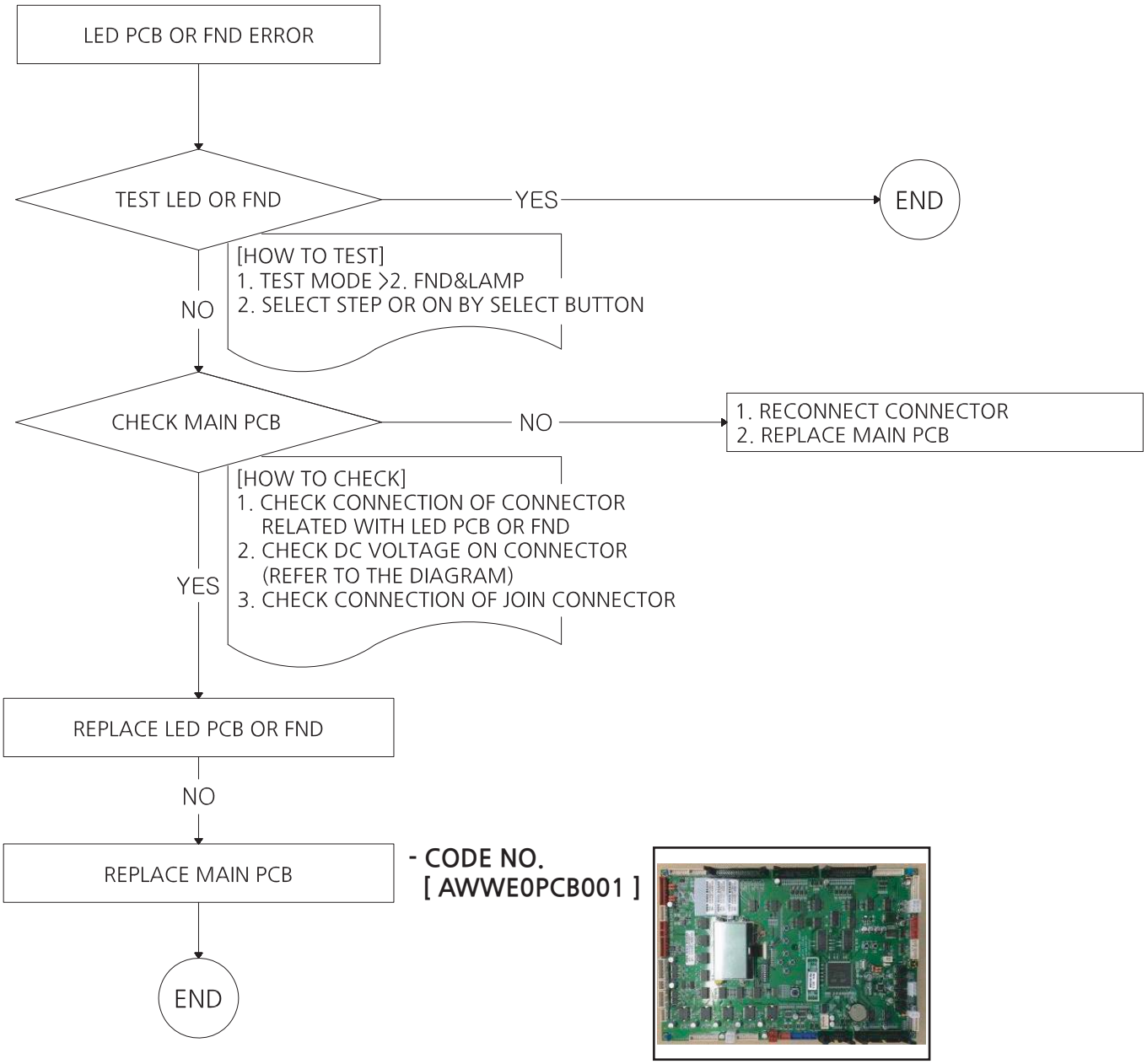
- CODE NO.
  [APUJ0PCB002]



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

3-17. LED PCB OR FND ERROR

- IN CASE LED PCB OR FND CONNECTED WITH MAIN PCB IS PROBLEM

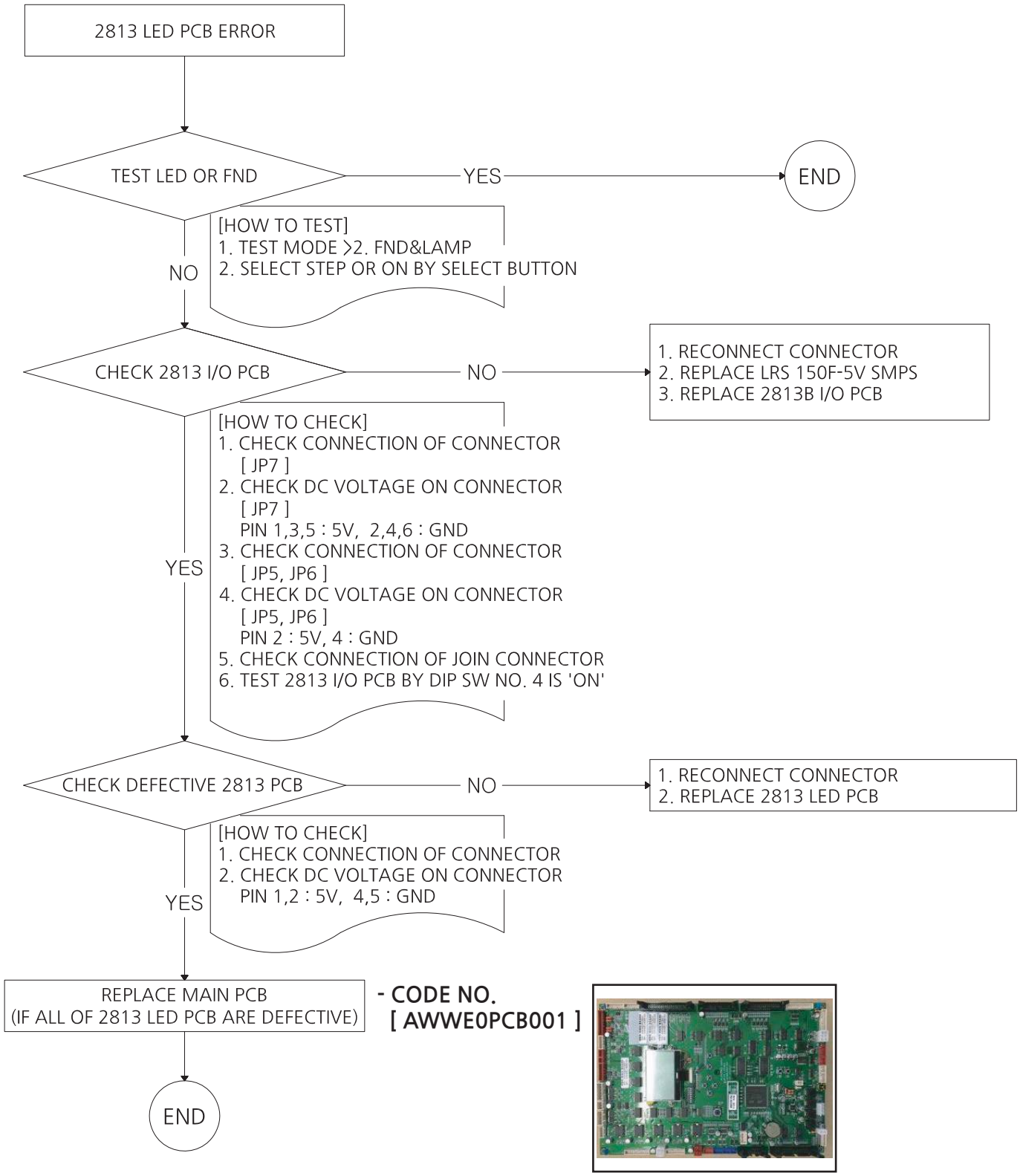


- CODE NO.
[AWWE0PCB001]

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

3-18. 2813 LED PCB ERROR

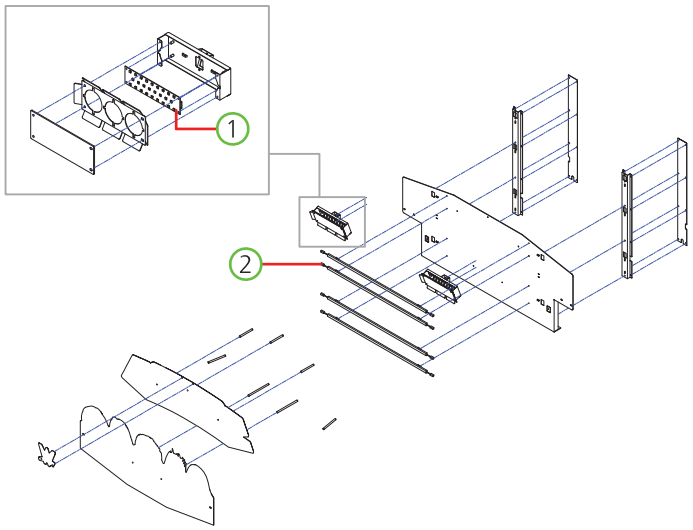
- IN CASE 2813LED PCB CONNECTED WITH 2813 I/O PCB IS PROBLEM



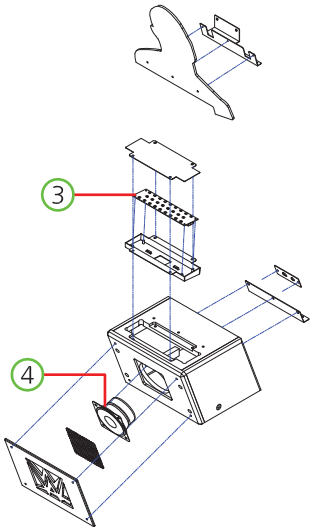
- CODE NO.
[AWWE0PCB001]

[4. PART PICTURE]

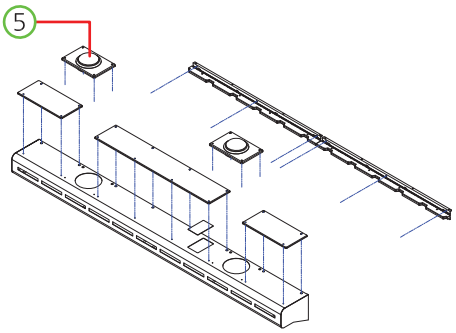
- BILLBOARD PART



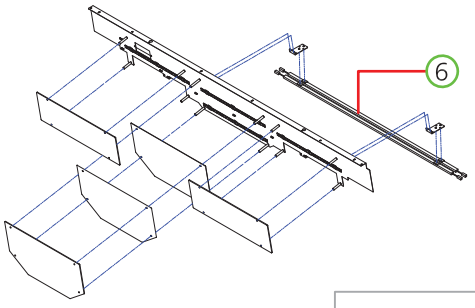
- SPEAKER PART



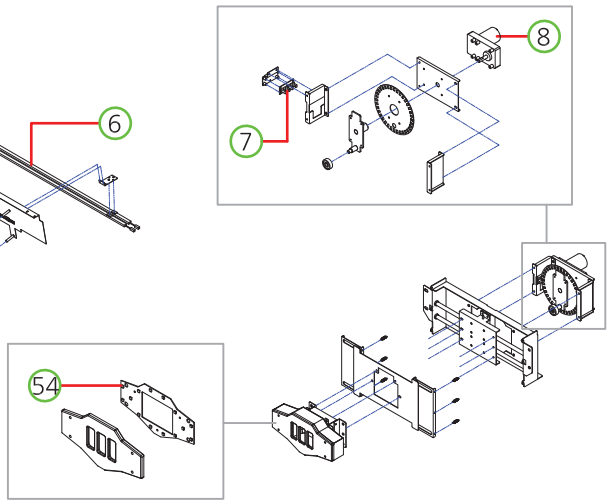
- BUTTON PANEL PART



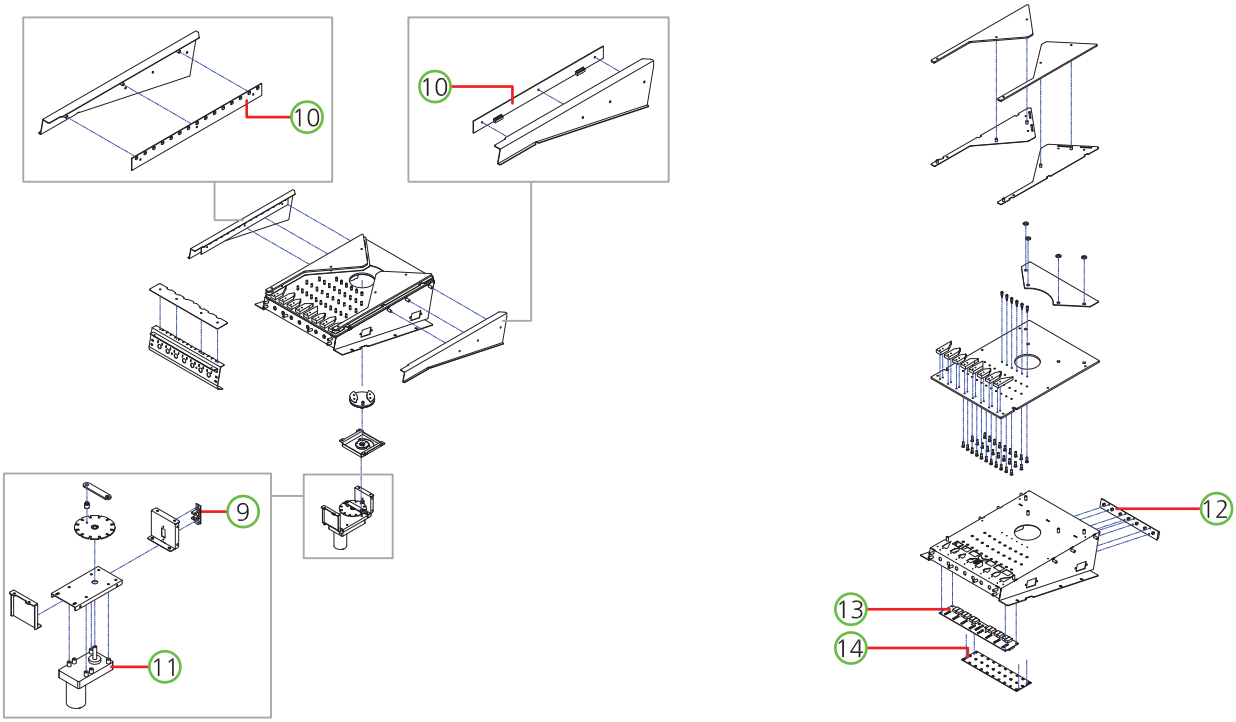
- BONUS DISPLAY PART



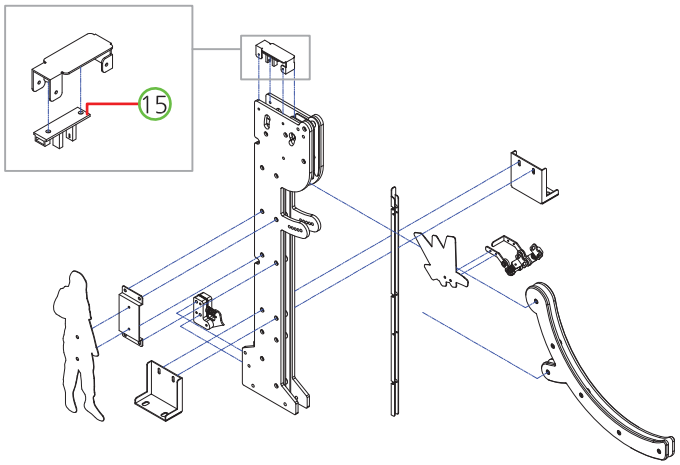
- BONUS TARGET PART



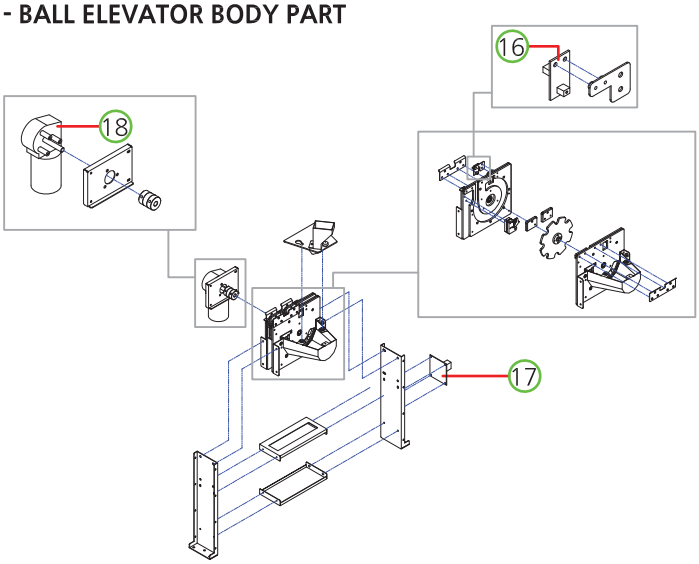
- PIN BASE PART



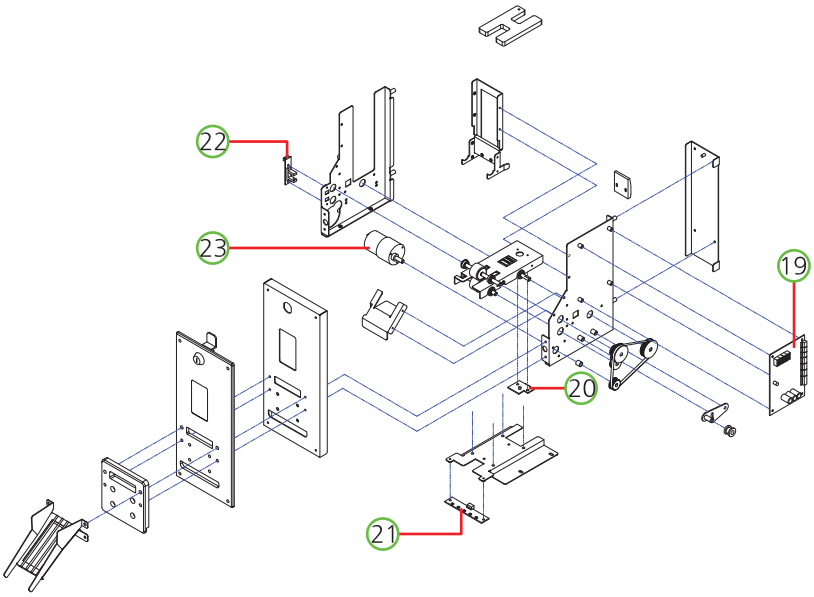
- BALL ELEVATOR RAIL PART



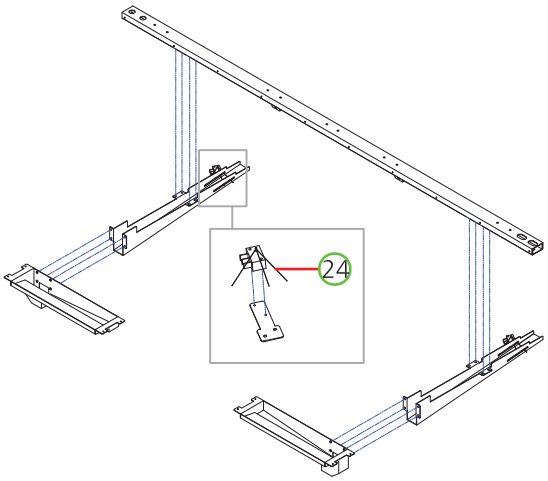
- BALL ELEVATOR BODY PART



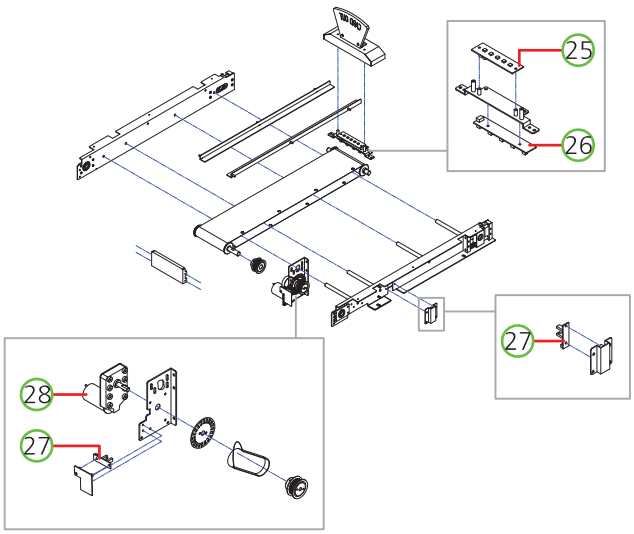
- CARD DISPENSER PART



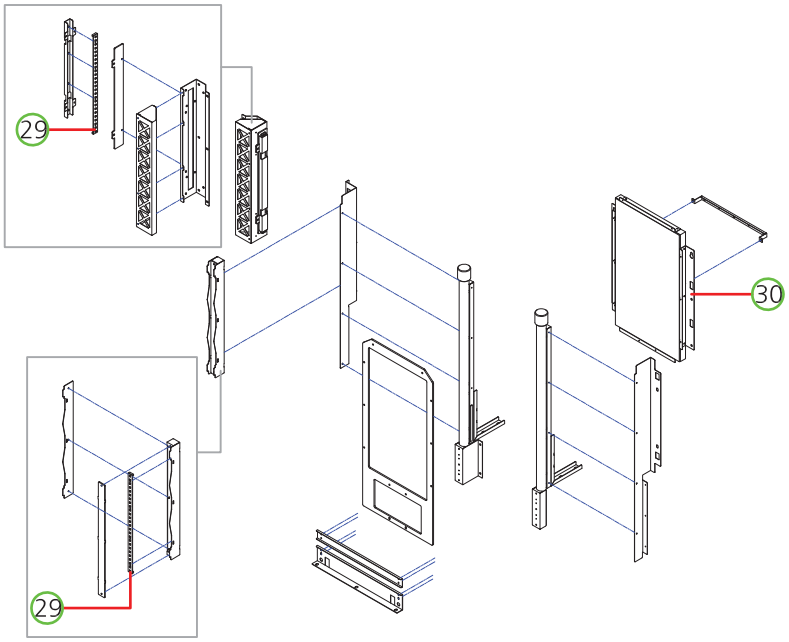
- CABINET MIDDLE REAR FRAME PART



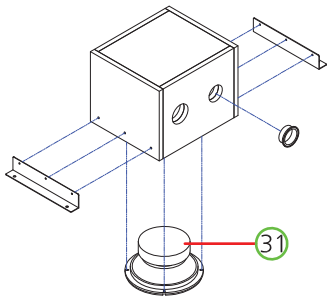
- CARD CONVEYOR PART



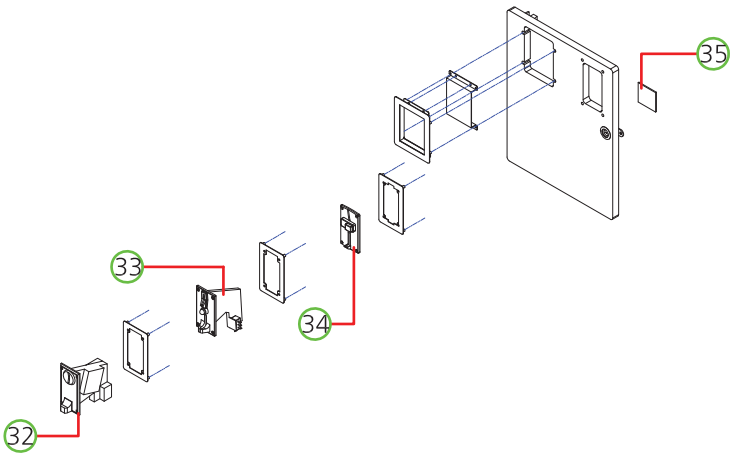
- MONITOR PLATE-L PART



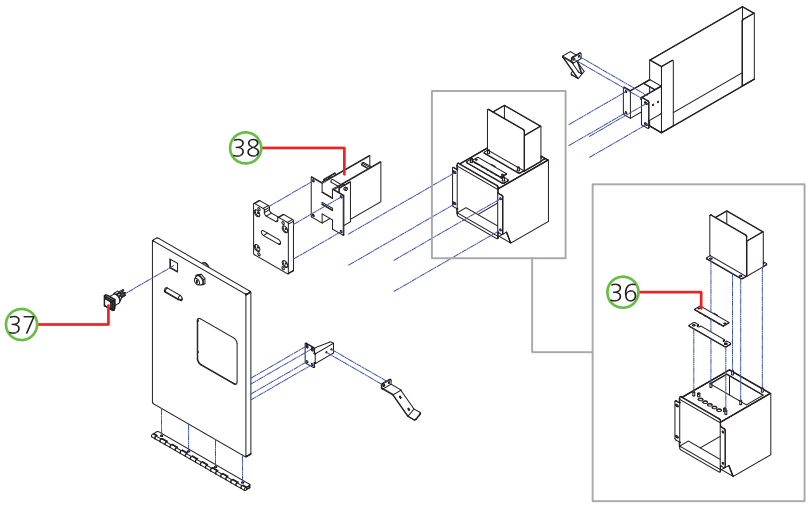
- WOOFER SPEAKER PART



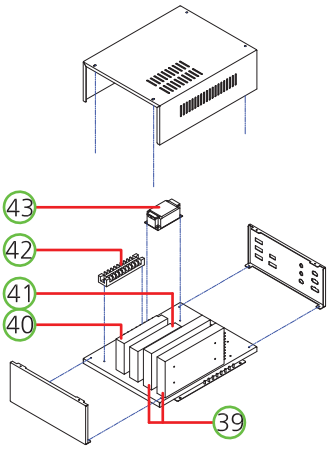
- FRONT LOWER DOOR PART



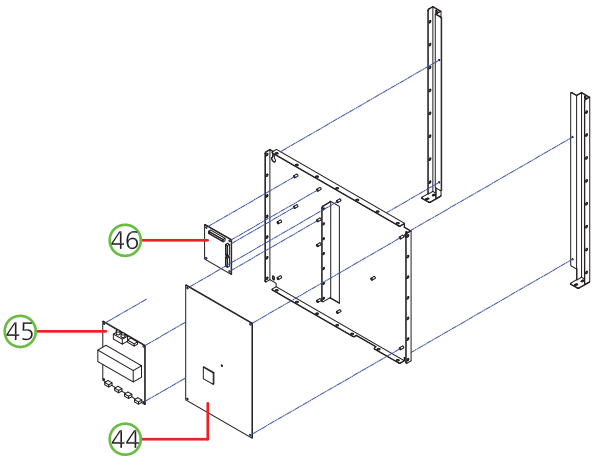
- TICKET DOOR PART



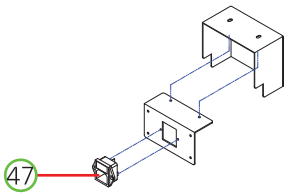
- SMPS PART



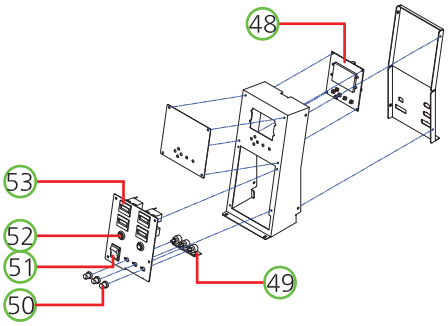
- MAIN BOARD PART



- AC INPUT PART



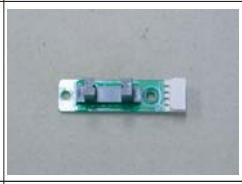
- CONTROL PANL PART

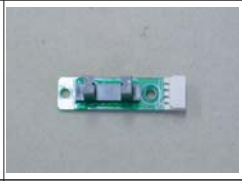


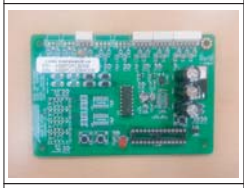
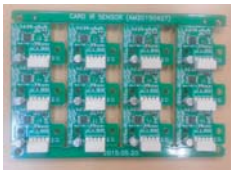
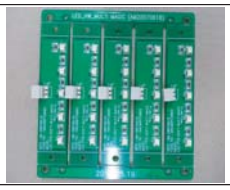
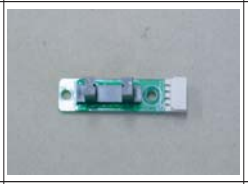
NO.	PIC	PART NAME	SPEC.	QTY	CODE NO.	WARRANTY	
						6 Month	One Year
1	O	SPOT LED PCB ASS'Y	-	2	ABAP0PCB008		O
2	O	LED BAR 12V PCB ASS'Y	710mm	4	AZZZ0PCB165	N / A	N / A
3	O	SPOT LED PCB ASS'Y	-	1	ABAP0PCB008		O
4	O	SPEAKER	MID4.5+TW1/2"8Ω"	1	MZZZ0SPE021	N / A	N / A
5	O	BUTTON ASS'Y	CWB 401-WHITE COLOR (⦰100 DOME)_LED TYPE	2	MZZZ0BUT080	N / A	N / A
6	O	LED BAR 12V PCB ASS'Y	-	2	AZZZ0PCB128	N / A	N / A
7	O	PHOTO INT2 PCB ASS'Y	-	1	AWIW0PCB009		O
8	O	MOTOR	KGV-0120-ND3657 U1	1	MZZZ0MOT141	O	
9	O	PHOTO-INT1(ANGLE) PCB ASS'Y	-	1	AZZZ0PCB103		O
10	O	PIN BASE SIDE LED PCB ASS'Y	-	2	AWWE0PCB004		O
11	O	MOTOR	KGV-0120-ND3657 U1	1	MZZZ0MOT141	O	
12	O	PIN CHECKER SENSOR PCB ASS'Y	-	1	AWWE0PCB006		O
13	O	PIN CHECKER FND PCB ASS'Y	-	1	AWWE0PCB007		O
14	O	PIN BASE LED PCB ASS'Y	-	1	AGHP0PCB019		O
15	O	PHOTO-INT1(ANGLE) PCB ASS'Y	ANGLE TYPE	1	AZZZ0PCB103		O
16	O	ELEVATOR DISK SENSOR PCB ASS'Y	-	1	AGHP0PCB020		O
17	O	L6205 HOPPER PCB ASS'Y	-	1	AZZZ0PCB141		O
18	O	MOTOR	HSW6-5012A, DC12V, 50W, 33RPM	1	MZZZ0MOT118	O	
19	O	CARD DISPENSER IO PCB ASS'Y	-	1	ASBP0PCB008		O
20	O	CARD IR SENSOR PCB ASS'Y	-	1	ASBP0PCB009		O
21	O	LED PCB ASS'Y	-	1	AMUM0PCB005		O
22	O	PHOTO INT1 (ANGLE) PCB ASS'Y	-	1	AZZZ0PCB103		O
23	O	DC MOTOR	KGC-040-3429C	1	MZZZ0MOT089	O	
24	O	MICRO SWITCH	CNR-05H-03	1	MELE0MIC002	N / A	N / A
25	O	CARD OUT LED PCB ASS'Y	-	1	AWWE0PCB002		O
26	O	CARD CHECK SENSOR PCB ASS'Y	-	1	ADM30PCB003		O
27	O	PHOTO-INT1(ANGLE) PCB ASS'Y	-	1	AZZZ0PCB103		O
28	O	MOTOR	KGE-0182-ND3657U1 (12V,27rpm)	2	MZZZ0MOT115	O	
29	O	MIDDLE DISPLAY FRONT LED PCB ASS'Y	WB2813LED_26EA	1	AWWE0PCB003		O
30	O	MONITOR	-	1	MZZZ0LCD017	N / A	N / A
31	O	SPEAKER	8 INCH	1	MZZZ0SPE036	N / A	N / A
32	O	COIN SELECTOR [INT]	TW-389	1	MZZZ0COS052	N / A	N / A
33	O	COIN SELECTOR [CEC]	HS-03CS+SWITCH	1	MZZZ0COS028	N / A	N / A
34	O	COIN SELECTOR [UK]	RM5	1	MZZZ0COS049	N / A	N / A
35	O	COIN JOIN PCB ASS'Y	-	1	AZZZ0PCB137		O
36	O	OUT LED PCB ASS'Y	-	1	ABAP0PCB003		O
37	O	BUTTON SWITCH	AMIPB-26HS-R12D	1	MMUM0BUT002	N / A	N / A
38	O	TICKET DISPENSOR	CLE CL-002Q_ 270 HIGH SPEED	1	MZZZ0TID010	N / A	N / A
39	O	POWER SMPS	RSP-320-12	2	MELE0SMP109		O
40	O	POWER SMPS	LRS 150F_24 MW 24V6A	1	MELE0SMP085		O

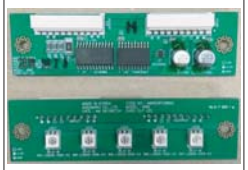
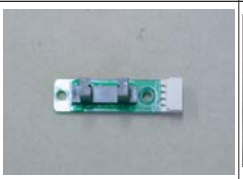
NO.	PIC	PART NAME	SPEC.	QTY	CODE NO.	WARRANTY	
						6 Month	One Year
41	O	POWER SMPS	LRS 150F_5	1	MELE0SMP096		O
42	O	TERMINAL BLOCK	250V 10P	1	MELE0TEB003	N / A	N / A
43	O	NOISE FILTER	RNS-2010	1	MELE0NOI009	N / A	N / A
44	O	MAIN BOARD PCB ASS'Y	-	1	AWWE0PCB001		O
45	O	DIGITAL AMP PCB ASS'Y	2.1CH	1	APUJ0PCB002		O
46	O	WS2812B IO PCB ASS'Y	-	1	AZZZ0PCB152		O
47	O	AC INPUT	DAC-13H	1	MELE0SWI015	N / A	N / A
48	O	SETUP LCD PCB ASS'Y	2.1CH	1	AZZZ0PCB113		O
49	O	VOLUME PCB ASS'Y	3CH	1	APUJ0PCB005		O
50	O	VOLUME KNOB	-	3	MELE0VOL007	N / A	N / A
51	O	ROCKER SWITCH	T-125 4P	1	MELE0SWI004	N / A	N / A
52	O	PUSH BUTTON SWITCH	HS 412R	1	MELE0PUS006	N / A	N / A
53	O	COUNTER	OA127CL	1	MZZZ0COU002	N / A	N / A
54	O	BONUS TARGET SENSOR PCB ASS'Y	-	1	AWWE0PCB005		O

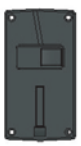
1	2	3	4	5	6
					
ABAP0PCB008	AZZZ0PCB165	ABAP0PCB008	MZZZ0SPE021	MZZZ0BUT080	AZZZ0PCB128

7	8	9	10	11	12
					
AWIW0PCB009	MZZZ0MOT141	AZZZ0PCB103	AWWE0PCB004	MZZZ0MOT141	AWWE0PCB006

13	14	15	16	17	18
					
AWWE0PCB007	AGHP0PCB019	AZZZ0PCB103	AGHP0PCB020	AZZZ0PCB141	MZZZ0MOT118

19	20	21	22	23	24
					
ASBP0PCB008	ASBP0PCB009	AMUM0PCB005	AZZZ0PCB103	MZZZ0MOT089	MELE0MIC002

25	26	27	28	29	30
					
AWWE0PCB002	ADM30PCB003	AZZZ0PCB103	MZZZ0MOT115	AWWE0PCB003	MZZZ0LCD017

31	32	33	34	35	36
					
MZZZ0SPE036	MZZZ0COS052	MZZZ0COS028	MZZZ0COS049	AZZZ0PCB137	ABAP0PCB003

37	38	39	40	41	42
					
MMUM0BUT002	MZZZ0TID010	MELE0SMP109	MELE0SMP085	MELE0SMP096	MELE0TEB003

43	44	45	46	47	48
					
MELE0NOI009	AWWE0PCB001	APUJ0PCB002	AZZZ0PCB152	MELE0SWI015	AZZZ0PCB113

49	50	51	52	53	54
					
APUJ0PCB005	MELE0VOL007	MELE0SWI004	MELE0PUS006	MZZZ0COU002	AWWE0PCB005