[QR CODE]

* If a problem occurs, enter the appropriate QR code. Once connected, you can watch a YouTube video about the inspection details.

NO	DEFECT SYMPTOM	QR CODE
1	E.31 BIG WIN MOTOR ERROR : UP SENSOR E.32 BIG WIN MOTOR ERROR : DOWN SENSOR	E.31,32
2	E.33 BIG WIN MOTOR ERROR : NO CHANGE OF POISITION SENSOR E.34 BIG WIN MOTOR ERROR : ABNORMAL SIGNAL POSITION SENSOR	E.33,34
3	E.41 STOPPER MOTOR ERROR : EQUINOX SENSOR	E.31,32

4	E.42 STOPPER MOTOR ERROR : STARTING SENSOR	E.42
5	E.51 SLOPE SENSOR ERROR : CONTINUS OF SENSOR SIGNAL	E.51
6	E.52 SLOPE SENSOR ERROR : CAR STOPS WHILE MOVING	E.52
7	E.53 SLOPE SENSOR ERROR : ABNORMAL IN SEQUENCE OF SENSOR	E.53

*** 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 P04
2. TEST MODE P08
3. TROUBLESHOOTING P11
4. WARRANTY ITEM & PART PICTURE P20

[1. ERROR CODE]

- ALL GAMES STOP WHEN ERROR “Er.02” AND “Er.03” HAPPEN BUT GAME WILL BE CONTINUED AGAINST ALL OTHER ERRORS, EXCEPT FOR THE PLAYER WITH ERROR.
(TICKET ERROR “HELP” DOES NOT STOP THE GAME)

ERROR CODE	ERROR TYPE	CONTENTS	CHECK POINTS
Er.02	SYSTEM	PROBLEM AT SETUP SAVE DATA	1. CHECK SET UP STATUS AND SAVE 2. DO FACTORY SETTING 3. CHECK POWER ON, OFF 4. REPLACE MAIN BOARD IF PROBLEM IS STILL NOT SOLVED
Er.03		PROBLEM AT GAME SAVE DATA	1. CLEAR DATA AT SET UP CLEAR MODE 2. CHECK POWER ON, OFF 3. REPLACE MAIN BOARD IF PROBLEM IS STILL NOT SOLVED
Er.11	COIN SELECTOR	CONTINOUS EXISTENCE OF COIN SENSOR SIGNAL	CHECK COIN SELECTOR SENSOR INPUT OF THE PLAYER IN ERROR
Er.13	BILL ACCEPTER	CONTINOUS EXISTENCE OF BILL ACCEPTER SENSOR SIGNAL	CHECK BILL ACCEPTER SENSOR INPUT OF THE PLAYER IN ERROR
Er.31	BIG WIN MOTOR	CONTINUOUS EXISTENCE OF #1 (UP) LIMIT SENSOR	1. CHECK OPERATION STATUS OF MOTOR 2. CHECK INPUT STATUS OF SENSOR
Er.32		CONTINOUS EXISTENCE OF #2 (DOWN) LIMIT SENSOR	1. CHECK OPERATION STATUS OF MOTOR 2. CHECK INPUT STATUS OF MOTOR
Er.33		NO CHANGE OF POSITION SENSOR SIGNAL	1. CHECK OPERATION STATUS OF MOTOR 2. CHECK INPUT STATUS OF SENSOR
Er.34		ABNORMALPOSITION SENOR SIGNAL	1. CHECK CHECKER BRACKET STATUS 2. CHECK INPUT STATUS OF SENSOR
Er.41	STOPPER MOTOR	NO ENCORDER EQUINOX SIGNAL	1. CHECK OPERATION STATUS OF MOTOR 2. CHECK ENCORDER SENSOR INPUT STATUS
Er.42		NO ENCORDER STARTING POINT SIGNAL	1. CHECK OPERATION STATUS OF MOTOR 2. CHECK ENCORDER SENSOR INPUT STATUS

Er.51	SLOPE SENSOR	CONTINUS EXISTENCE OF SENSOR SIGNAL	1. CHECK OPERATION STATUS OF CAR 2. CHECK INPUT STATUS OF SENSOR.
Er.52		CAR STOPS WHILE MOVING	1. CHECK OPERATION STATUS OF CAR 2. CHECK STATUS OF SENSOR INPUT
Er.53		ABNORMAL IN SEQUENCE OF SENSOR	1. CHECK STATUS OF SENSOR INPUT 2. CHECK WIRRING STATUS OF SENSOR
HELP	TICKET ERROR	NO TICKETS	1. CHECK TICKETS 2. CHECK OPERATION OF TICKET MOTOR 3. CHECK TICKET DISPENSING SENSOR
- ERROR CODE IS DISPLAYED AT TICKET FND / RETRY FND OF THE PLAYER WITH ERROR (FOR DISPLAY OF ERROR CODE, PLEASE REFER TO DESCRIPTION ITEMS OF TEST MODE)			

- ERROR CODE& ERROR DETECTION METHOD

ERROR CODE	ERROR TYPE	CONTENTS	ERROR CHECK CONDITION
Er.02	SYSTEM	PROBLEM AT SETUP SAVE DATA	AFTER POWER IS TURNED ON, CHECK BACK-UP MEMORY RELATED WITH MAIN BOARD SETUP
Er.03		PROBLEM AT GAME SAVE DATA	AFTER POWER IS TURNED ON, CHECKBACK-UP MEMORY RELATED WITH MAIN BOARD GAME
Er.11	COIN SELECTOR	CONTINUOUS EXISTENCE OF COIN SENSOR SIGNAL	SIGNAL KEEPS ON FOR MORE THAN TWO SECONDS WHEN INHIBIT IS ON
Er.13	BILL ACCEPTER	CONTINOUS EXISTENCE OF BILL ACCEPTER SENSOR SIGNAL	SENSOR SIGNAL KEEPS ON FOR MORE THAN TWO SECONDS
Er.31	BIG WIN MOTOR	CONTINUOUS EXISTENCE OF #1 (UP) LIMIT SENSOR	SENSOR SIGNALS KEEPS ON FOR MORE THAN TWO SECONDS
Er.32		CONTINOUS EXISTENCE OF #2 (DOWN) LIMIT SENSOR	SENSOR SIGNAL KEEPS ON FOR MORE THAN TWO SECONDS
Er.33		NO CHANGE AT POSITION SENSOR SIGNAL	NO CHANGE AT SENSOR SIGNAL FOR MORE THAN TWO SECONDS DURING OPERATION OF MOTOR
Er.34		ABNORMALITY AT POSITION SENOR SIGNAL	CONDITION OF POSITION SENSOR COUNT IS NOT MET DURING BOOT TEST
Er.41	STOPPER MOTOR	NO ENCORDER EQUINOX SIGNAL	NO SIGNAL FROM ENCODER EQUINOX FOR MORE THAN 0.5 SECOND WHILE MOTOR IS BEING OPERATED (DISPLAY OF ERROR AFTER 3 TIMES REVERSE-ROTAING)
Er.42		NO ENCORDER STARTING POINT SIGNAL	NO SIGNAL FROM ENCODER STARTING POINT SENSOR FOR OVER 3 SECONDS DURING INCREASE OPERATION

Er.51	SLOPE SENSOR	CONTINUS EXISTENCE OF SENSOR SIGNAL	SENSOR SIGNAL KEEPS ON FOR MORETHAN THREE SECONDS
Er.52		CAR STOPS WHILE MOVING	NO SIGNAL FOR OVER 10 SECONDS WHILE CAR IS MOVING
Er.53		ABNORMAL IN SEQUENCE OF SENSOR	NO RECOGNIZING THE SIGNAL ACCORDING TO SEQUENCE OF SENSOR WHILE MOVING THE CAR
HELP	TICKET ERROR	NO TICKETS	NO TICKET SENSOR SIGNAL FOR MORE THAN ONE SECOND WHILE DISPENSING TICKETS

[2. TEST MODE]

<table>
<tr><td colspan="4">TEST MODE</td></tr>
<tr><td>TEST ITEMS</td><td>SET UP ITEMS</td><td colspan="2">DESCRIPTION</td></tr>
<tr><td rowspan="3">INPUT TEST</td><td>[=>]</td><td colspan="2">ENTER INTO CHECK MODE OF INPUT STATUS</td></tr>
<tr><td colspan="3">DISPLAY OF INPUT STATUS OF EACH ITEM AT LCD</td></tr>
<tr><td colspan="3">(BUTTON, COIN, TICKET, SENSOR... ETC)</td></tr>
<tr><td rowspan="6">FND & LAMP</td><td colspan="3">LAMP, FND, LED OPERATION TEST</td></tr>
<tr><td>“OFF”</td><td colspan="2">TOTAL OFF</td></tr>
<tr><td rowspan="3">“STEP”</td><td>LAMP</td><td>▶TOTAL ON, OFF FLICKERING
▶BOTTOM LAMP ON
▶1P/2P TICKET LAMP ON
▶1P/2P START BUTTON LAMP ON
▶HOW TO LAMP ON
▶1P/2P CAR SPOT LAMP ON
▶1P/2P RETRY LAMP ON
▶BILLBOARD LAMP ON
REPEATS IN ABOVE SEQUENCE</td></tr>
<tr><td>FND</td><td>▶TOTAL ON, OFF FLICKERING
▶TOTAL NUMBER COUNT [0000] ~ [9999]
▶CREDIT 1P [00] / 2P [11], RETRY 1P [22] / 2P [33]
▶TICKET 1P [4444] / 2P [5555]
▶SCORE [000] ~ [666], BIGWIN [7777]
REPEATS IN ABOVE SEQUENCE</td></tr>
<tr><td>LED</td><td>▶TOTAL WHITE ON, OFF FLICKERING
▶TURNING ON IN SEQUENCE OF 1P LED RED / 2P LED BLUE
▶TURNING ON IN SEQUENCE OF RED ▶ GREEN ▶ BLUE ▶ WHITE</td></tr>
<tr><td>“ON”</td><td colspan="2">TOTAL ON</td></tr>
<tr><td>“ON/OFF”</td><td colspan="2">REPEATION OF TOTAL ON, OFF</td></tr>
<tr><td rowspan="3">SLOPE SENSOR</td><td>=></td><td colspan="2">ENTER INTO CHECK MODE OF SLOPE SENSOR STATUS</td></tr>
<tr><td>SLOPE SENSOR DETAIL
FEDCBA9876543210
EX0:0000000000000000
EX1:0000000000000000
EX2:0000000000000000
EX3:0000000000000000
EX4:0000000000000000
EX5:0000000000000000
EX6:0000000000000000
EX7:0000000000000000</td><td colspan="2">DISPLAY OF INPUT STATUS OF I/O EXPANSION BOARD WITH 0 AND 1.
0 - NOT SENSING SENSOR SIGNAL
1 - SENSOR SIGNAL DETECTED
SLOPE LED : DISPLAY OF SENSOR STATUS #1~#50 BY LED COLOR
WHITE COLOR - NOT SENSING SENSOR SIGNAL
RED COLOR - SENSOR SIGNAL DETECTED

RETRY FND [■■] : DISPLAY OF DETECTED SENSOR NO
SCORE FND TOP [■■■] : DISPLAY OF SLOPE SENSOR (On, Err)
SCORE FND BOTTOM [□■■] : DISPLAY OF SENSOR NO IN ERROR</td></tr>
<tr><td colspan="3">◎ UP/DOWN OPERATION OF STOPPER WITH 1P,2P START BUTTON
SLOPE LED: DISPLAY OF SENSOR STATUS BY LED COLOR
WHITE: NOT SENSING SENSOR SIGNAL RED: SENSOR SIGNAL DETECTED
RETRY FND : DISPLAY OF DETECTED SENSOR NO</td></tr>
</table>

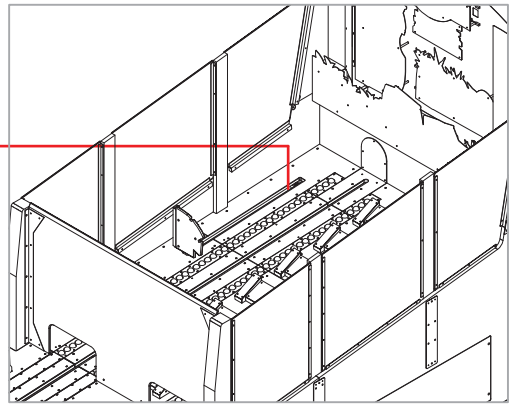
<table>
<tr><td rowspan="5">MOT BIGWIN</td><td colspan="2">OPERATION TEST OF BIG WIN MOTOR
◎ SELECT TYPE WITH LEFT/RIGHT BUTTON AND THEN PRESS SELECT BUTTON
◎ AUTOMATIC REPEAT OF FORWARD & BACKWARD OF BIG WIN MOVEMENT DEVICE</td></tr>
<tr><td>“ALL”</td><td>OPERATION OF 1P, 2P BIG WIN MOTOR</td></tr>
<tr><td>“1P”</td><td>OPERATION OF 1P BIG WIN MOTOR</td></tr>
<tr><td>“2P”</td><td>OPERATION OF 2P BIG WIN MOTOR</td></tr>
<tr><td colspan="2">SCORE FND TOP [■■■] : DISPLAY OF MOTOR OPERATION STATUS ON, OFF AND ERROR “E.3x”
SCORE FND BOTTOM [■□□] : DISPLAY OF #1 (UP) LIMIT SENSOR STATUS (0, 1)
[□■□] : DISPLAY OF POSITION SENSOR STATUS (0. 1)
[□□■] : DISPLAY OF #2 (DOWN) LIMIT SENSOR STATUS (0, 1)
RETRY FND [■■] : DISPLAY OF POSITION SENSOR CHECK COUNT</td></tr>
<tr><td rowspan="5">MOT STOPPER</td><td colspan="2">OPERATION TEST FOR STOPPER MOTOR
◎ SELECT TYPE WITH LEFT/RIGHT BUTTON AND THEN PRESS SELECT BUTTON
◎ ALTERNATE OPERATION OF ASCENT AND DESCENT OF STOPPER MOTOR</td></tr>
<tr><td>“ALL”</td><td>OPERATION OF 1P, 2P STOPPER MOTOR</td></tr>
<tr><td>“1P”</td><td>OPERATION OF 1P STOPPER MOTOR</td></tr>
<tr><td>“2P”</td><td>OPERATION OF 2P STOPPER MOTOR</td></tr>
<tr><td colspan="2">SCORE FND TOP [■■■] : DISPLAY OF MOTOR OPERATION On, Off and ERROR “E.4x”
SCORE FND BOTTOM [■□□] : DISPLAY OF STATUS OF ENCORDER STARTING POINT SENSOR (0, 1)
[□□■] : DISPLAY OF STATUS OF ENCORDER EQUINOX SENSOR (O, 1)
CREDIT FND [■■] : DISPLAY OF CHECK COUNT OF ENCORDER EQUINOX SENSOR
TICKET FND [■■■■] : DISPLAY OF MOVEMENT TIME FOR INCREASE (BY 1MS)</td></tr>
<tr><td rowspan="3">COIN</td><td colspan="2">COIN SELECTOR OPERATION TEST
◎ WHEN PRESSING SELECT BUTTON, 1P AND 2P OPERATE ON, OFF SIMULTANEOUSLY
◎ WHEN PRESSING START BUTTON , 1P AND 2P OPERATES ON, OFF SEPARATELY</td></tr>
<tr><td>"ON", "OFF"</td><td>COIN SELECTOR OPERATION ON, OFF</td></tr>
<tr><td colspan="2">SCORE FNDTOP [■■■] : OPERATION STATUS OF COIN SELECTOR, DISPLAY OF ON, OFF AND ERROR “Err”
SCORE FND BOTTOM [□□■] : DISPLAY OF COIN SENSOR STATUS (0 or 1)
CREDIT FND [■■] : DISPLAY OF COIN SENSOR CHECK COUNT (00 ~ 99 REPEATS)</td></tr>
<tr><td rowspan="3">BILL</td><td colspan="2">OPERATION TEST OF BILL ACCEPTER
◎ WHEN PRESSING SELECT BUTTON, 1P AND 2P OPERATES ON, OFF SIMULTANEOUSLY
◎ WHEN PRESSING START BUTTON, 1P AND 2P OPERATES ON, OFF SEPARATELY</td></tr>
<tr><td>"ON", "OFF"</td><td>BILL ACCEPTER OPERATION ON, OFF</td></tr>
<tr><td colspan="2">SCORE FND TOP [■■■] : OPERATION STATUS OF BILL ACCEPTER, DISPLAY OF ON, OFF AND ERROR “Err”
SCORE FND BOTTOM [□□■] : DISPLAY OF BILL ACCEPTER SENSOR STATUS (0 or 1)
CREDIT FND [■■] : DISPLAY OF BILL ACCEPTER SENSOR CHECK COUNT (00 ~ 99 REPEATS)</td></tr>
</table>

<table>
<tr><td rowspan="4">TICKET</td><td colspan="2">OPERATION TEST OF TICKET DISPENSER
◎ SELECT TYPE WITH LEFT, RIGHT BUTTON AND PRESS SELECT BUTTON TO TEST
◎ TICKET BUTTON OF 1P AND 2P OPERATES SEPARATELY (DISPENSES 3 TICKETS)</td></tr>
<tr><td>“ALL”</td><td>OPERATION TEST OF ALL PLAYERS (DISPENSES 3 TICKETS)</td></tr>
<tr><td>"1P", "2P"</td><td>INDIVIDUAL OPERATION TEST OF 1P AND 2P (3 TICKETS)</td></tr>
<tr><td colspan="2">SCORE FND TOP [■■■] : OPERATION STATUS OF TICKET DISPENSER, DISPLAY OF ON, OFF AND ERROR “Err”
SCORE FND BOTTOM [□□■] : DISPLAY OF NUMBER OF TICKETS DISPENSED
CREDITFND [■□] : DISPLAY OF TICKET BUTTON STATUS (0, 1)
[□■] : DISPLAY OF TICKET DISPENSER SENSOR STATUS (0, 1)</td></tr>
<tr><td rowspan="3">COUNTER</td><td colspan="2">COUNTER TEST
◎ AFTER SELECTING TYPE WITH LEFT, RIGHT BUTTON, PRESS SELECT BUTTON AND THEN IT CREASES BY 1
◎ COUNTER INCREASES BY ONE WH PRESSING 1P/2P SERVICE BUTTON</td></tr>
<tr><td>"COIN"</td><td>OPERATION OF COIN COUNER OF ALL PLAYERS
INCREASES BY “1” IN ORDER OF 1P → 2P</td></tr>
<tr><td>"TICKET"</td><td>OPERATION OF TICKET COUNTER OF ALL PLAYERS
INCREASES BY “1’ IN ORDER OF 1P → 2P</td></tr>
<tr><td rowspan="5">SOUND TEST</td><td colspan="2">SOUND TEST
◎ AFTER SELECTING TYPE WITH LEFT, RIGHT BUTTON AND PRESS SELECT TO TEST (PLAY, STOP)</td></tr>
<tr><td>“CH”</td><td>VOICE OUTPUT PER EACH CHANNEL SPEAKER ONE, TWO ~ EIGHT
LEFT : 1, 3, 5, 7
RIGHT : 2, 4, 6, 8</td></tr>
<tr><td>“BGM”</td><td>OUTPUT TEST OF BACKGROUND MUSIC</td></tr>
<tr><td>“SFX”</td><td>OUTPUT TEST OF EFFECT MUSIC</td></tr>
<tr><td>“VOC”</td><td>VOICE OUTPUT TEST</td></tr>
<tr><td>EXIT</td><td colspan="2">EXIT TO OPERATING OPTIONS</td></tr>
</table>

[3. TROUBLESHOOTING]

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

1. BIGWIN MOTOR ERROR
[Er. 31 or Er. 32]



BIGWIN MOTOR ERROR

VISUAL INSPECTION

NO → 1. RECONNECT CONNECTOR
2. REMOVE DEBRIS
3. REASSEMBLE OR REPLACE

YES

[HOW TO CHECK]

1. CHECK CONNECTION OF CONNECTOR
2. CHECK FOR DEBRIS ON SENSOR OR MOTOR
3. CHECK THE MOTOR WORKS
4. CHECK IF BOLT AND PARTS ARE IN CORRECT POSITION
5. CHECK IF THERE IS NO BROKEN PART

CHECK BIGWIN MOTOR

YES → DONE

NO

[HOW TO TEST]

1. TEST MODE > MOT BIGWIN

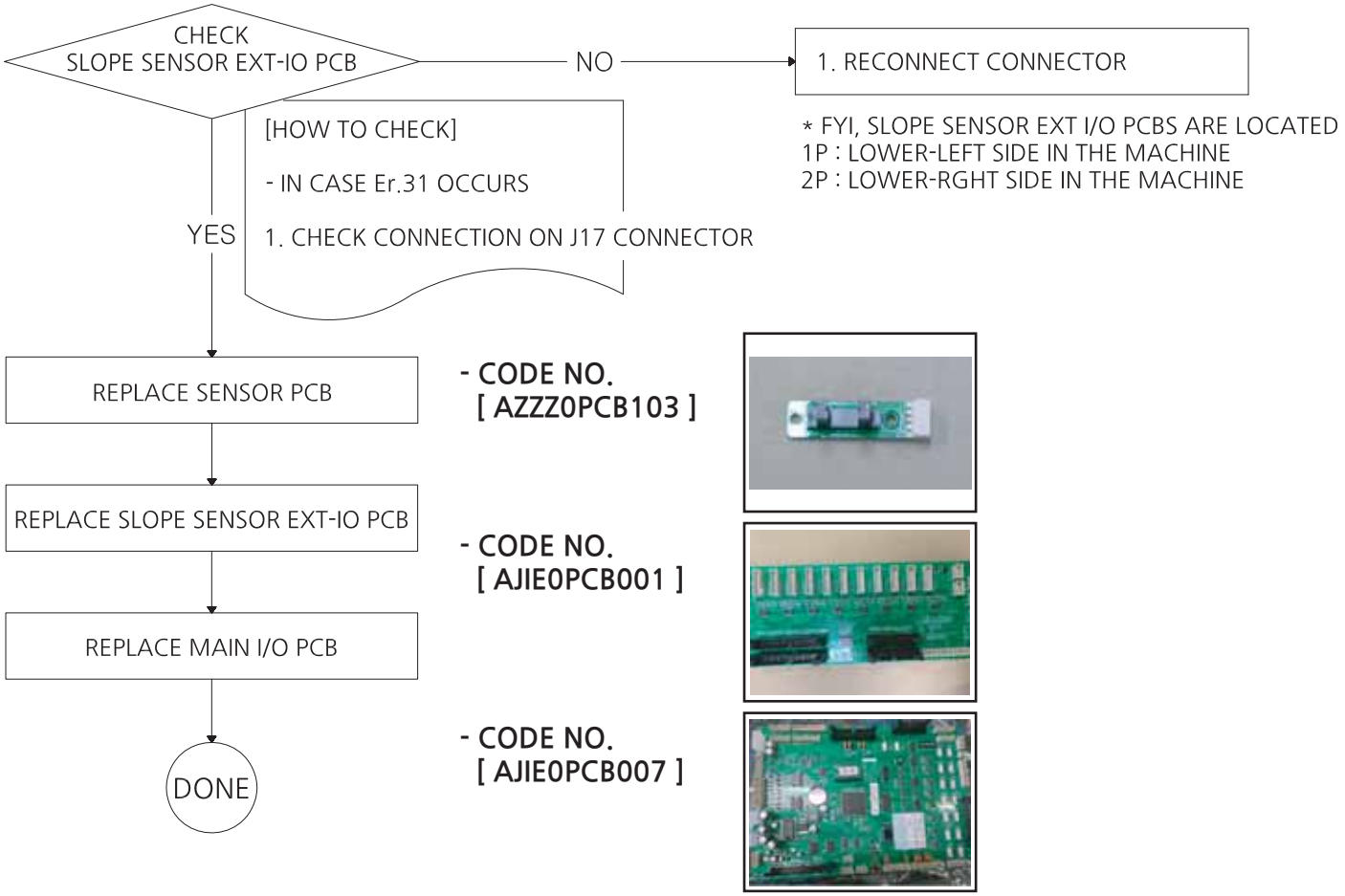
2. IN CASE, MOTOR DOESN'T WORK, CHECK THE MOTOR ACTUATING POWER
(CHECK MAIN I/O BOARD [CN60]_
1P : PIN1,2, 2P : PIN3, 4 : IT IS NORMAL THAT PARAMETER OF HIGH / LOW PIN VOLTAGE IS OVER 10V)
⇒ REPLACE MOTOR WHEN ACTUATING POWER IS NORMAL

3. CHECK THE MAIN I/O BOARD POWER WHEN MOTOR ACTUATING POWER DOESN'T ON
(IT IS NORMAL THAT VOLTAGE OF MAIN I/O BOARD [CN2] IS 12V)
⇒ REPLACE MAIN I/O BOARD WHEN POWER IS NORMAL

4. REPLACE SMPS WHEN POWER DOESN'T ON

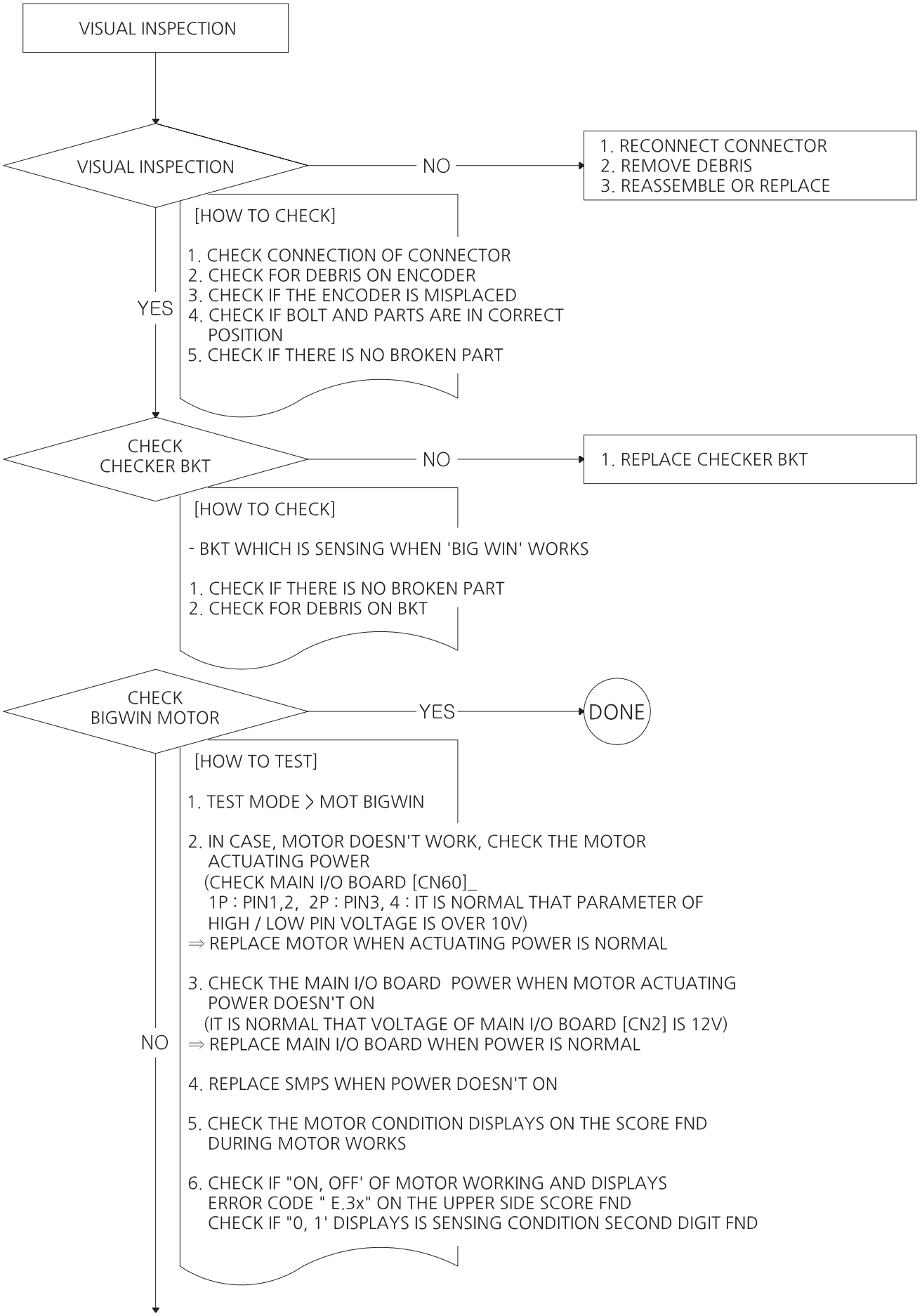
5. CHECK THE MOTOR CONDITION DISPLAYS ON THE SCORE FND DURING MOTOR WORKS

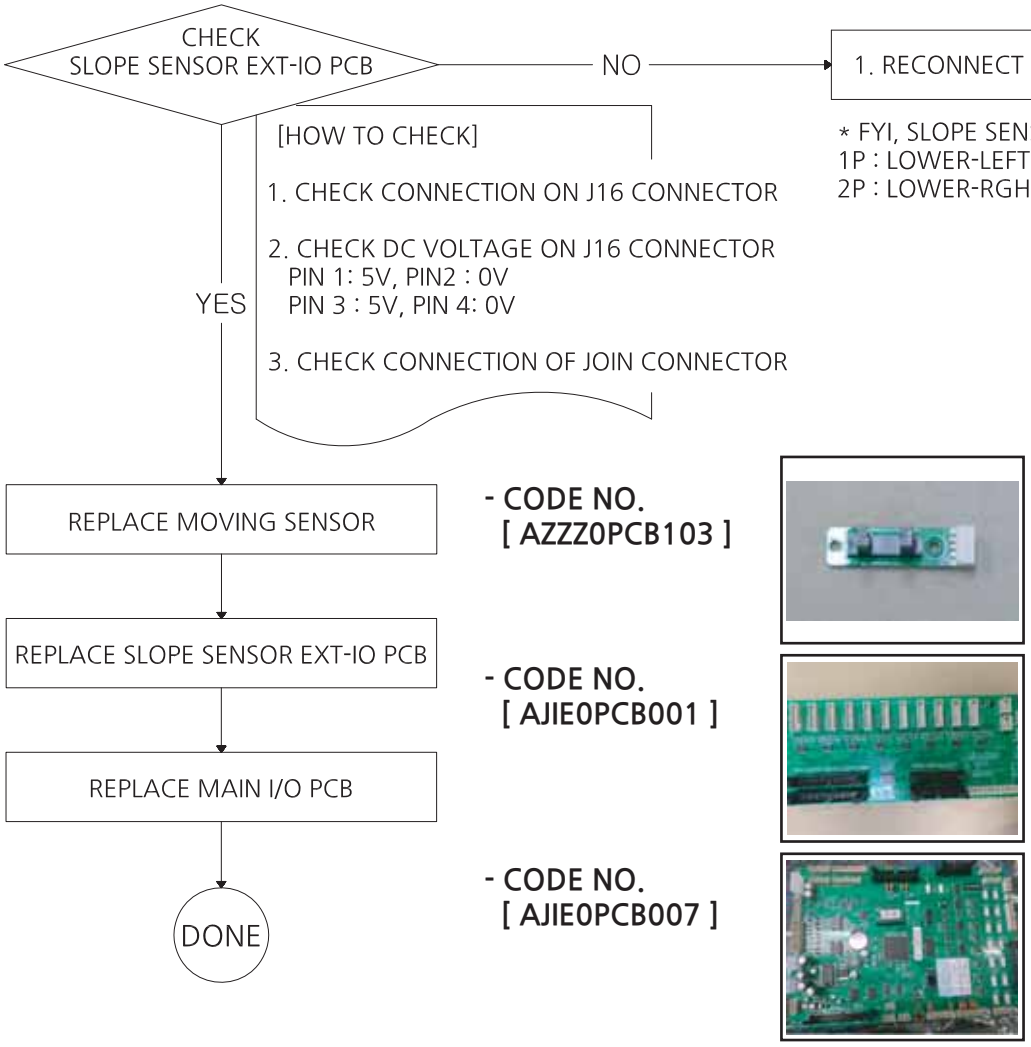
6. CHECK IF "ON, OFF' OF MOTOR WORKING AND DISPLAYS ERROR CODE " E.3x" ON THE UPPER SIDE SCORE FND
CHECK IF '0, 1' DISPLAYS IS CONDITION OF LIMIT SENSOR
FIRST DIGIT FND : LOWER SIDE SENSOR
THIRD DIGIT FND : UPPER SIDE SENSOR


CHECK
SLOPE SENSOR EXT-IO PCB
NO
1. RECONNECT CONNECTOR
* FYI, SLOPE SENSOR EXT I/O PCBS ARE LOCATED
1P : LOWER-LEFT SIDE IN THE MACHINE
2P : LOWER-RGHT SIDE IN THE MACHINE
[HOW TO CHECK]
- IN CASE Er.31 OCCURS
1. CHECK CONNECTION ON J17 CONNECTOR
YES
REPLACE SENSOR PCB
REPLACE SLOPE SENSOR EXT-IO PCB
REPLACE MAIN I/O PCB
DONE
- CODE NO.
[AZZZ0PCB103]
- CODE NO.
[AJIE0PCB001]
- CODE NO.
[AJIE0PCB007]

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

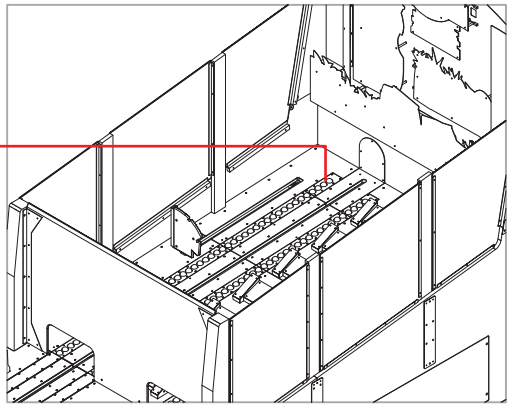
2. BIGWIN MOTOR ERROR [Er. 33 or Er. 34]




CHECK
SLOPE SENSOR EXT-IO PCB
NO
1. RECONNECT CONNECTOR
* FYI, SLOPE SENSOR EXT I/O PCBS ARE LOCATED
1P : LOWER-LEFT SIDE IN THE MACHINE
2P : LOWER-RGHT SIDE IN THE MACHINE
[HOW TO CHECK]
1. CHECK CONNECTION ON J16 CONNECTOR
2. CHECK DC VOLTAGE ON J16 CONNECTOR
PIN 1: 5V, PIN2 : 0V
PIN 3 : 5V, PIN 4: 0V
3. CHECK CONNECTION OF JOIN CONNECTOR
YES
REPLACE MOVING SENSOR
REPLACE SLOPE SENSOR EXT-IO PCB
REPLACE MAIN I/O PCB
DONE
- CODE NO.
[AZZZ0PCB103]
- CODE NO.
[AJIE0PCB001]
- CODE NO.
[AJIE0PCB007]

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

3. SLOPE SENSOR ERROR
[Er. 51 or Er. 52]



SLOPE SENSOR ERROR

VISUAL INSPECTION

NO → 1. REMOVE DEBRIS
2. REASSEMBLE OR REPLACE

YES

[HOW TO CHECK]

1. CHECK THERS IS A JAM DURING CAR IS MOVING
2. CHECK FOR DEBRIS ON THE RAIL
3. CHECK IF THERE IS NO BROKEN PART

CHECK SLOPE SENSOR

YES → DONE

NO

[HOW TO TEST]
1. TEST MODE > SLOPE SENSOR
WHITE : NO SIGNAL FROM SLOPE SENSOR
RED : SENSING FROM SLOPE SENSOR

CHECK SENSORS THROUGH CAR MOVING
SENSING SENSOR PART WILL BE DISPLAYED ON THE TICKET FND

CHECK SLOPE SENSOR EXT-IO PCB

NO → 1. RECONNECT CONNECTOR

* FYI, SLOPE SENSOR EXT I/O PCBS ARE LOCATED
1P : LOWER-LEFT SIDE IN THE MACHINE
2P : LOWER-RGHT SIDE IN THE MACHINE

YES

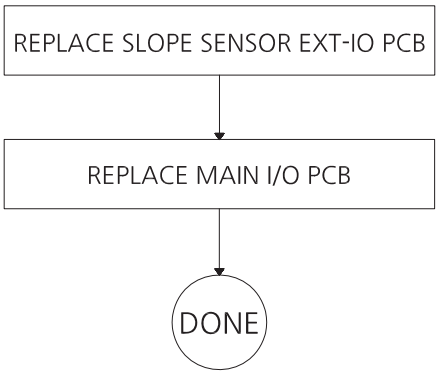
[HOW TO CHECK]
1. CHECK CONNECTION OF CONNECTOR.
SLOPE SENSORS ARE TOTAL 50 PCS FROM THE PLAYER SIDE(# 1) TO GAME OUT SIDE(#50)
IT IS TIED UP 5 PCS SENSORS EACH
CHECK THE POSITION WHERE ERROR OCCURED

J1 : 1~5, J2 : 6~10
J3 : 11~ 15, J4 : 16~20
J5 : 21~25, J6 : 26~30
J7 : 31~35, J8 : 36~40
J9 : 41~45, J10 : 46~50

2. CHECK DC VOLTAGE CONNECTOR

PIN 1: 5V
PIN 2 : 0V
PIN 3 : 0V
PIN 4,5,6,7,8 : (NOMAL : 5V AND SENSING : 0V)

3. CHECK CONNECTION OF JOIN CONNECTOR

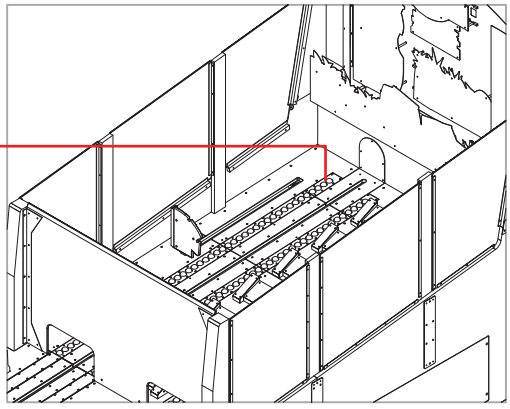


- CODE NO.
  [AJIE0PCB001]

- CODE NO.
  [AJIE0PCB007]

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

4. SLOPE SENSOR ERROR [Er. 53]



SLOPE SENSOR ERROR

CHECK SLOPE SENSOR — YES → DONE

NO

[HOW TO TEST]

1. TEST MODE > SLOPE SENSOR
   WHITE = NO SIGNAL FROM SENSOR
   RED = SENSOR WORKS

   CHECK THE SENSOR WITH CAR OPERATION
   CHECK LED LIGHTS ARE TURNED ON IN SEQUENCE WHEN YOU PULL AND MOVE THE CAR

CHECK SLOPE SENSOR — NO → 1. RECONNECT CONNECTOR

[HOW TO CHECK]

1. CHECK CONNECTION OF CONNECTOR
   SLOPE SENSORS ARE TOTAL 50 PCS FROM THE PLAYER SIDE(# 1) TO GAME OUT SIDE(#50)
   IT IS TIED UP 5 PCS SENSORS EACH
   CHECK SENSORS ARE CONNECTED CORRECT POSITION

   J1 : 1~5, J2 : 6~10
   J3 : 11~ 15, J4 : 16~20
   J5 : 21~25, J6 : 26~30
   J7 : 31~35, J8 : 36~40
   J9 : 41~45, J10 : 46~50

YES

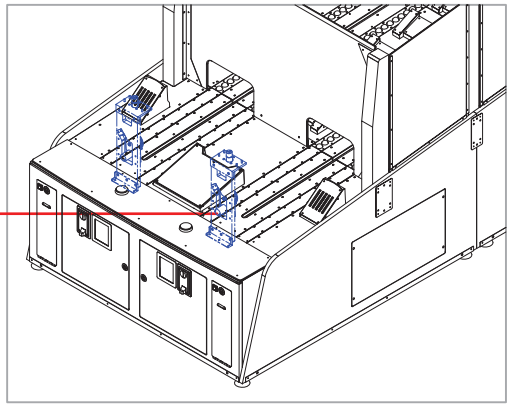
2. CHECK CONNECTION OF JOIN CONNECTOR

DONE

* FYI, SLOPE SENSOR EXT I/O PCBS ARE LOCATED
1P : LOWER-LEFT SIDE IN THE MACHINE
2P : LOWER-RGHT SIDE IN THE MACHINE

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

5. STOPPER MOTOR ERROR
[Er. 41 or Er. 42]
- NO SIGNAL FROM ENCODER



IN CASE STOPPER MOTOR DOES NOT WORK

STOPPER MOTOR ERROR

VISUAL INSPECTION — NO → 1. RECONNECT CONNECTOR
2. REMOVE DEBRIS
3. REASSEMBLE OR REPLACE

YES

[HOW TO CHECK]

1. CHECK CONNECTION OF CONNECTOR
2. CHECK FOR DEBRIS ON ENCODER
3. CHECK IF THE ENCODER IS MISPLACED
4. CHECK IF BOLT AND PARTS ARE IN CORRECT POSITION
5. CHECK IF THERE IS NO BROKEN PART

TEST MODE — YES → DONE

NO

[HOW TO TEST]

1. TEST MODE > MOT STOPER
2. MOTOR IS ON WHEN YOU PRESS THE SELECT BUTTON
3. ENCODER CONDITION DISPLAYS ON THE SCORE FND AS '0' OR '1'
4. DIVIDING POINT ENCODER CHECK COUNT DISPLAYS ON THE CREDIT FND

CHECK POWER [CN2] OF MAIN I/O BOARD — NO → 1. REMOVE DEBRIS
2. REASSEMBLE OR REPLACE

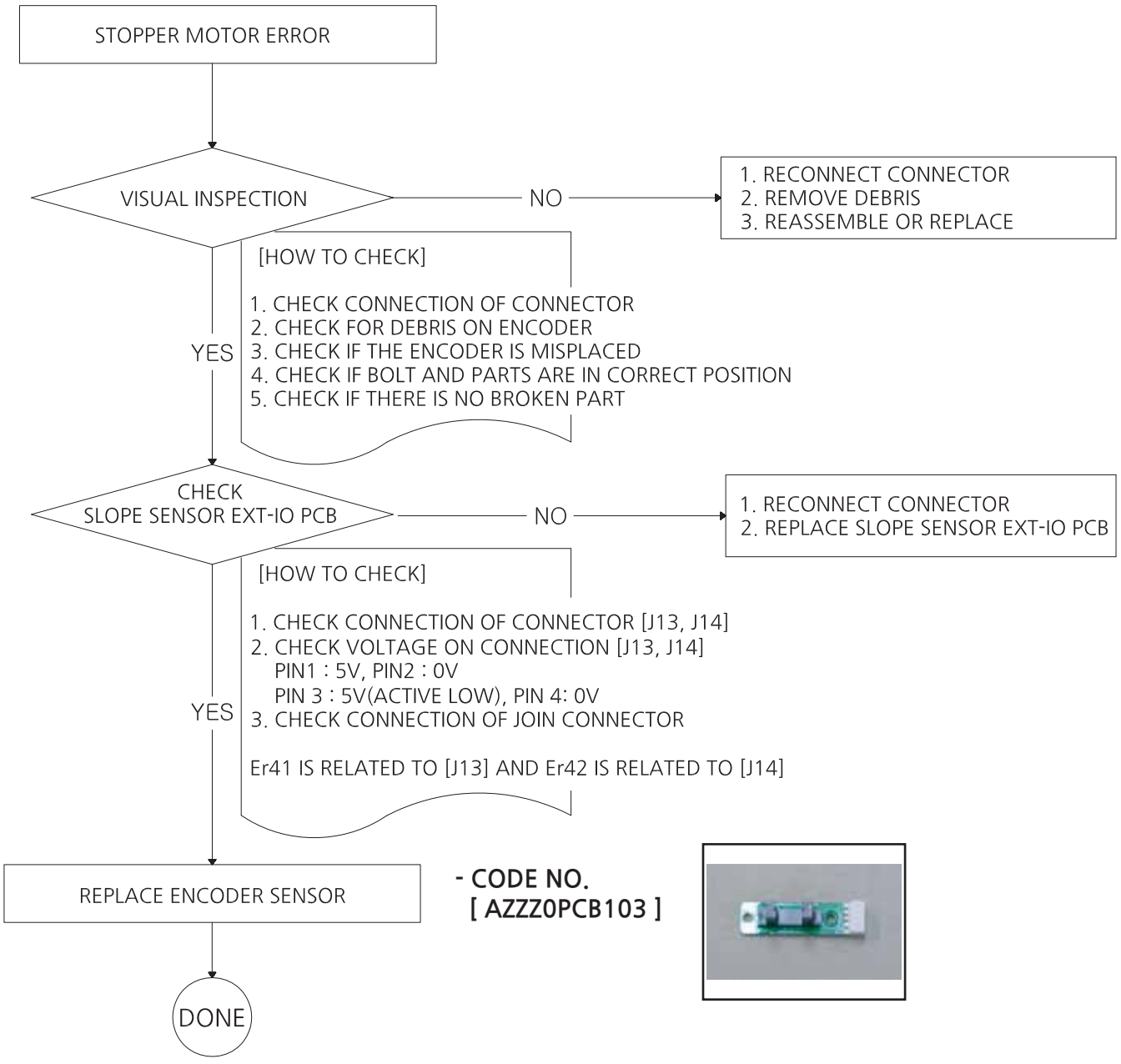
YES

1. RECONNECT CONNECTOR
2. REPLACE SMPS 12V

DONE

- CODE NO.
[MELE0SMP109]

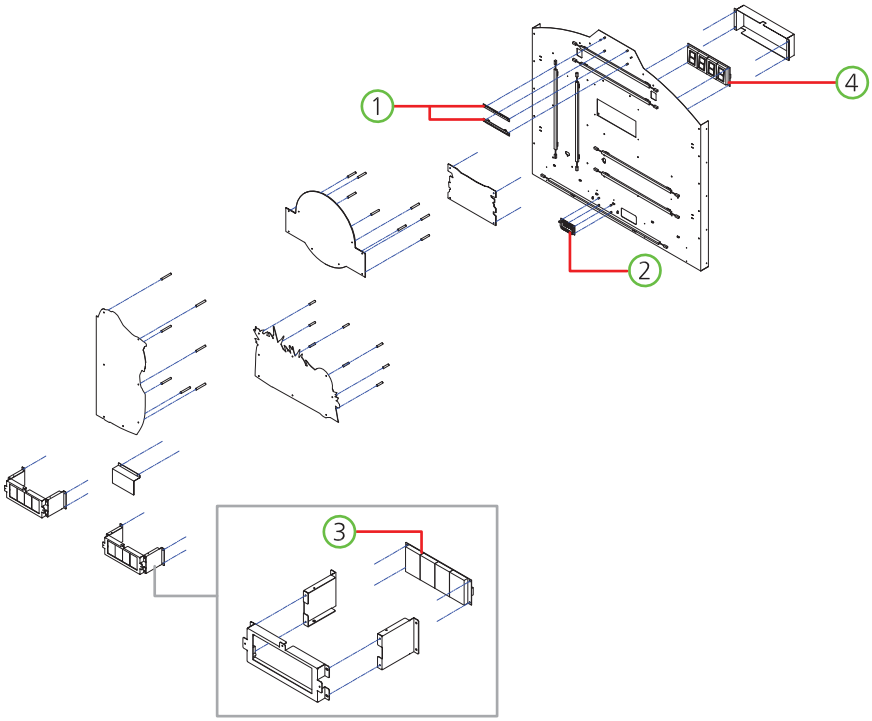
IN CASE STOPPER MOTOR NOT WORK



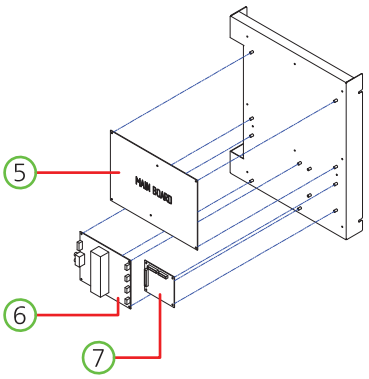
- CODE NO.
[AZZZ0PCB103]

[4. WARRANTY ITEM & PART PICTURE]

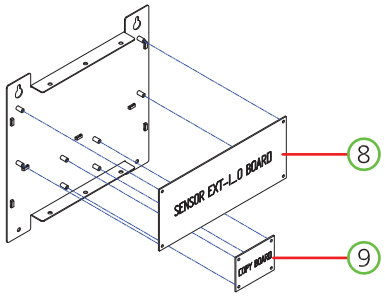
- BACKGROUND PART



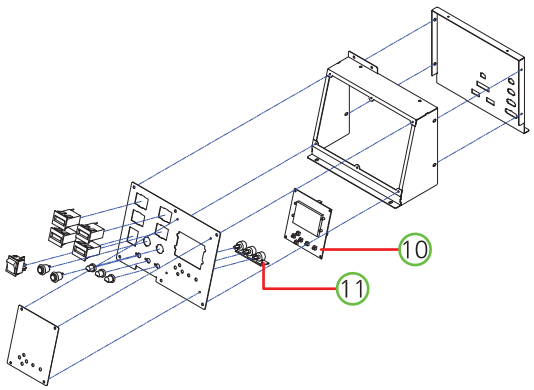
- MAIN BOARD BOX PART



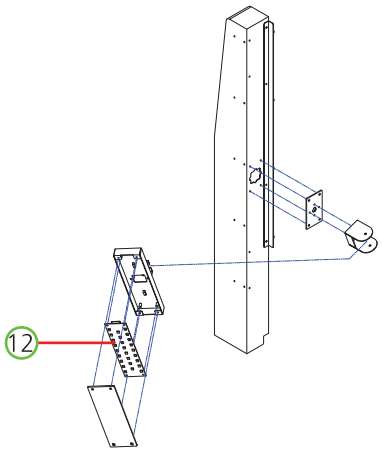
- FRONT SIDE PCB PART



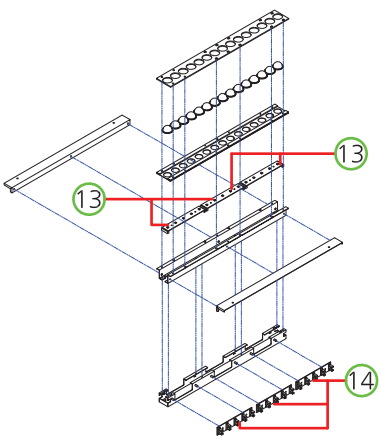
- CONTROL PANEL PART



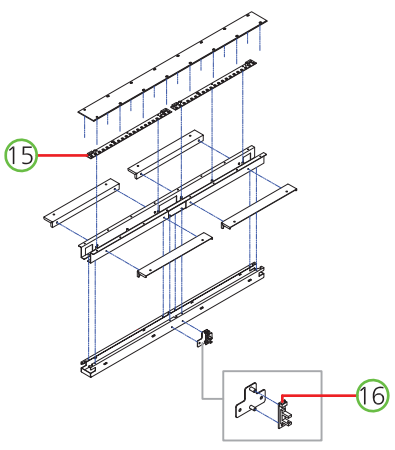
- FRONT DECO-L, R PART



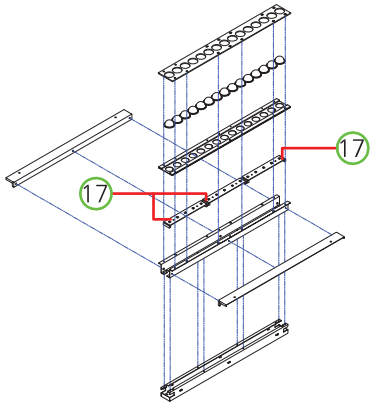
- SIDE LED SENSOR-L, R PART



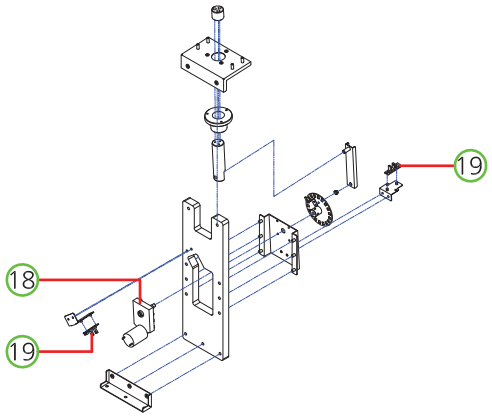
- SIDE GO LED-L, R PART



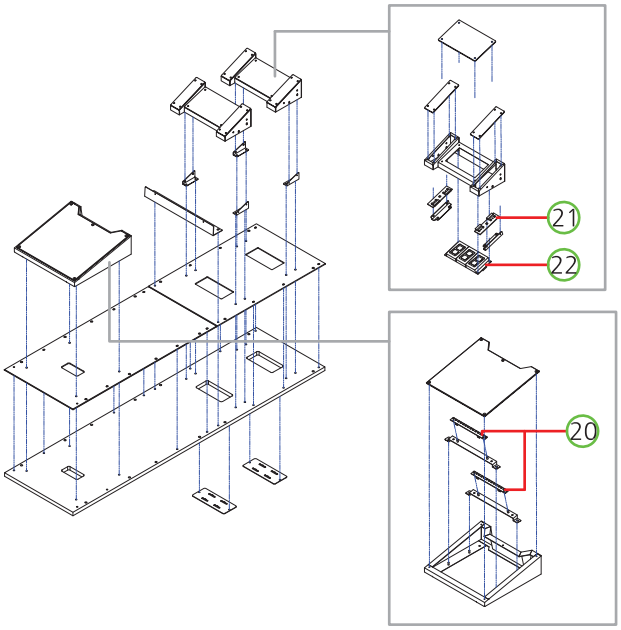
- SIDE LED NO SENSOR-L, R PART



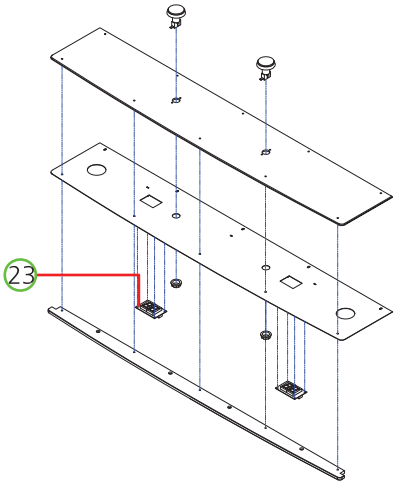
- CAR STOPPER PART



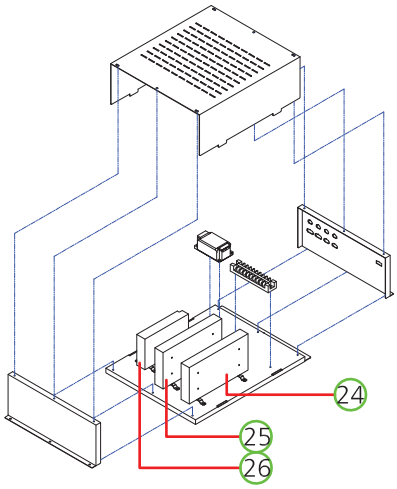
- FRONT CENTER COVER PART



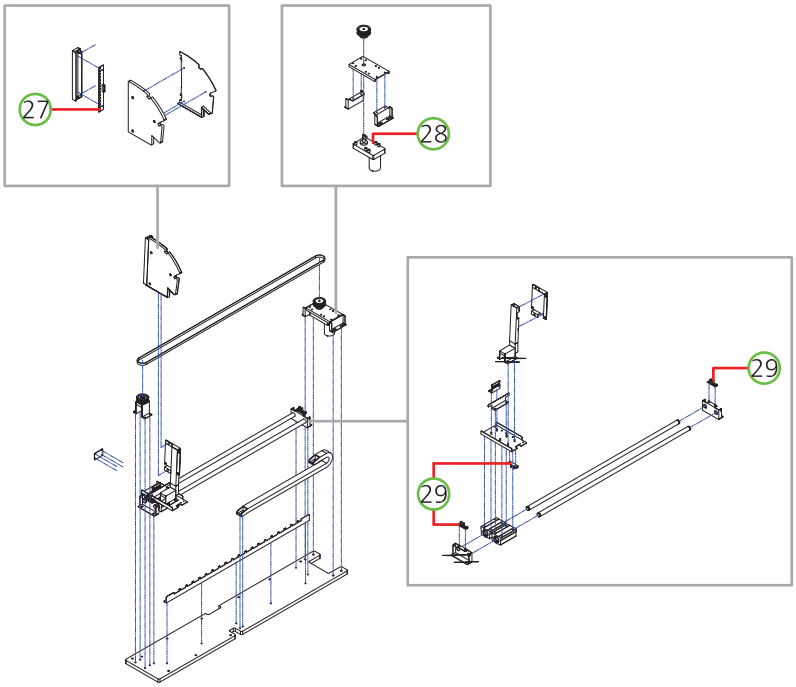
- BUTTON PART



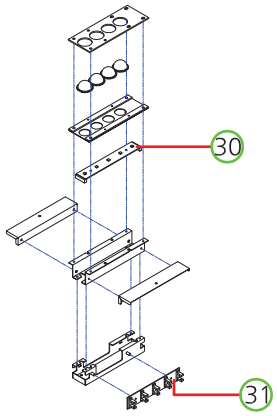
- SMPS POWER PART



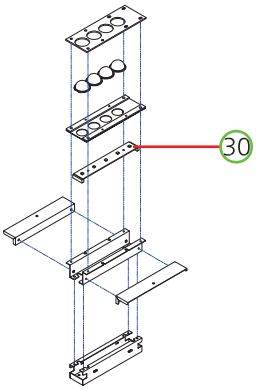
- BIGWIN MOVEMENT-L, R



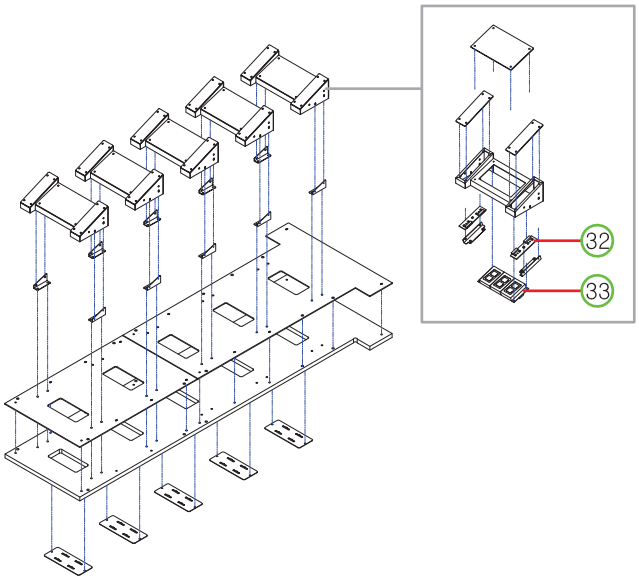
- SIDE LED-L, R SENSOR LAST PART



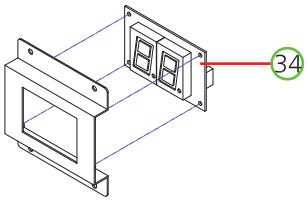
- SIDE LED-L, R NO SENSOR LAST PART



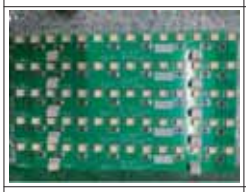
- REAR CENTER COVER PART



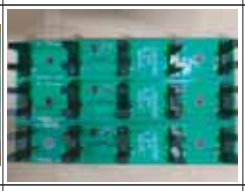
- FND PART

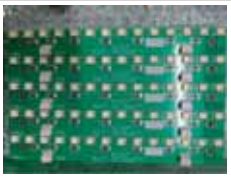


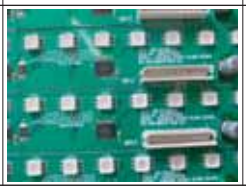
NO.	PIC	PART NAME	SPEC.	QTY	CODE NO.	WARRANTY	
						6 Month	One Year
1	O	JWIE LED PCB ASS'Y	WHITE 14EA	2	AJIE0PCB006		O
2	O	FND EXT IO PCB ASS'Y	90x50 16BIT EXT	1	ABSP0PCB005		O
3	O	FND PCB ASS'Y	4870-4(STRAIGHT)	1	AFND0PCB009		O
4	O	FND PCB ASS'Y	6390-4(STRAIGHT)	1	AFND0PCB011		O
5	O	MAIN IO PCB ASS'Y	-	1	AJIE0PCB007		O
6	O	DIGITAL AMP PCB ASS'Y	2.1CH	1	APUJ0PCB002		O
7	O	WS2812B IO PCB ASS'Y	-	1	AZZZ0PCB185		O
8	O	SLOPE SENSOR EXT IO PCB ASS'Y	64 PORT	1	AJIE0PCB001		O
9	O	DISPLAY COPY PCB ASS'Y	-	1	AGST0PCB008		O
10	O	SETUP LCD PCB ASS'Y	-	1	AZZZ0PCB113		O
11	O	VOLUME PCB ASS'Y	3CH	1	APUJ0PCB005		O
12	O	SPOT LED PCB ASS'Y	WHITE	1	ABAP0PCB008		O
13	O	SIDE LED PCB ASS'Y	RGB 5EA	3	AJIE0PCB003		O
14	O	SLOPE SENSOR (INT1x5) PCB ASS'Y	-	3	AJIE0PCB002		O
15	O	WS2813B LED PCB 21EA-R ASS'Y	21EA-R	2	APLX0PCB008		O
16	O	PHOTO INT-1 PCB ASS'Y	-	1	AZZZ0PCB103		O
17	O	SIDE LED PCB ASS'Y	RGB 5EA	3	AJIE0PCB003		O
18	O	MOTOR	KGE-3448S1, 62:1	1	MZZZ0MOT157	O	
19	O	PHOTO-INT1_ANGLE PCB ASS'Y	-	2	AZZZ0PCB103		O
20	O	JWIE LED PCB ASS'Y	WHITE 14EA	2	AJIE0PCB006		O
21	O	SCORE LED PCB ASS'Y	RGB 5EA	4	AJIE0PCB004		O
22	O	FND PCB ASS'Y	4870-3(STRAIGHT)	2	AFND0PCB027		O
23	O	FND PCB ASS'Y	2941-2(STRAIGHT)	2	AFND0PCB003		O
24	O	POWER SMPS	RSP-320-5V	1	MELE0SMP126		O
25	O	POWER SMPS	RSP-320-12V	1	MELE0SMP109		O
26	O	POWER SMPS	LRS-150F-24V	1	MELE0SMP085		O
27	O	BIG WIN MAKER RGB LED PCB ASS'Y	-	1	AJIE0PCB005		O
28	O	MOTOR	KGV-ND3657U1, 60:1	1	MZZZ0MOT156	O	
29	O	PHOTO-INT1_ANGLE PCB ASS'Y	-	1	AZZZ0PCB103		O
30	O	SLOPE SENSOR PCB ASS'Y	INT1x5	2	AJIE0PCB002		O
31	O	SIDE LED PCB ASS'Y	RGB 5EA	1	AJIE0PCB003		O
32	O	SCORE LED PCB ASS'Y	RGB 5EA	2	AJIE0PCB004		O
33	O	FND PCB ASS'Y	4870-3(STRAIGHT)	5	AFND0PCB027		O
34	O	FND PCB ASS'Y	2941-2(STRAIGHT)	2	AFND0PCB003		O

1	2	3	4	5	6
					
AJIE0PCB006	ABSP0PCB005	AFND0PCB009	AFND0PCB011	AJIE0PCB007	APUJ0PCB002

7	8	9	10	11	12
AZZZ0PCB185	AJIE0PCB001	AGST0PCB008	AZZZ0PCB113	APUJ0PCB005	ABAP0PCB008

13	14	15	16	17	18
					
AJIE0PCB003	AJIE0PCB002	APLX0PCB008	AZZZ0PCB103	AJIE0PCB003	MZZZ0MOT157

19	20	21	22	23	24
					
AZZZ0PCB103	AJIE0PCB006	AJIE0PCB004	AFND0PCB027	AFND0PCB003	MELE0SMP126

25	26	27	28	29	30
					
MELE0SMP109	MELE0SMP085	AJIE0PCB005	MZZZ0MOT156	AZZZ0PCB103	AJIE0PCB002

31	32	33	34
AJIE0PCB003	AJIE0PCB004	AFND0PCB027	AFND0PCB003