

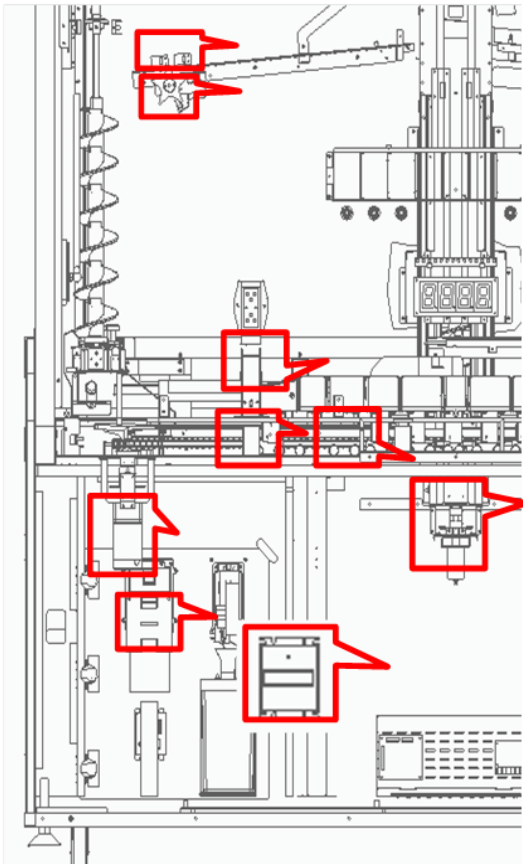
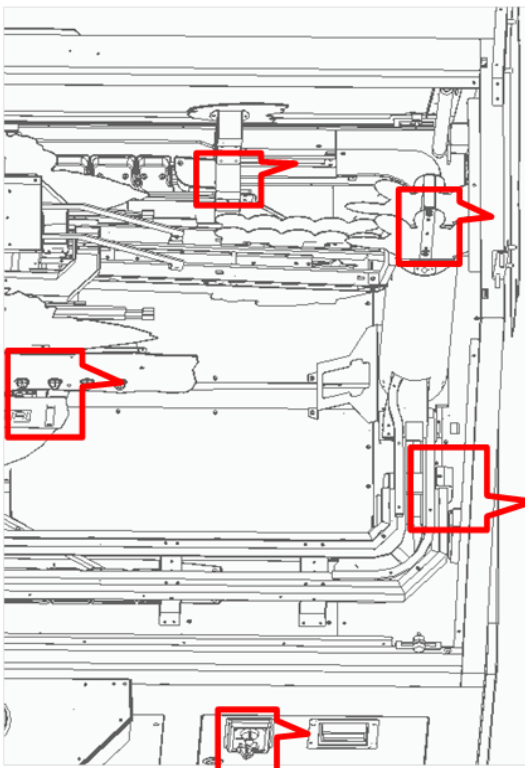
7 SOLUTION

1) ERROR CODES

SPONGEBOB TICKET COASTER

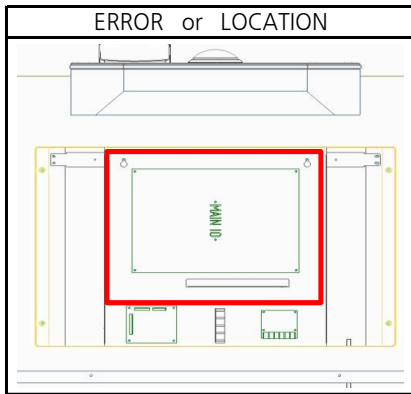
CODE	ERROR	NOTE
E.02	SYSTEM	SETUP SAVE DATA PROBLEM
E.03	SYSTEM	GAME SAVE DATA PROBLEM
E.11	COIN MACHINE	Coin sensor signal problem
E.13	BILL ACCEPTOR	Bill sensor signal problem
E.31	MAIN(TRAIN) MOTOR	Motor or encoder sensor problem
E.32	MAIN(TRAIN) SEQUENCE CHECK SENSOR	Sensor signal problem
E.33	TRAIN SPEED CONTROL START SENSOR	Sensor signal problem
E.34	TRAIN SPEED CONTROL END SENSOR	Sensor signal problem
E.41	BALL ELEVATOR MOTOR	Motor or encoder sensor problem
E.42	BALL RETURN SENSOR	Sensor signal problem
E.51	BALL SHOOTER SENSOR	Sensor signal problem
E.61	BALL IN SENSOR	Sensor signal problem
E.62	BALL OUT SENSOR	Sensor signal problem
E.63	BALL RAIL SENSOR	Sensor signal problem
E.64	BALL SUCCESS SENSOR	Sensor signal problem
HELP	TICKET	No ticket or motor, sensor problem

※ NORMALLY ERROR CODE WILL BE DISPLAYED AT PLAYER'S TICKETS FND / BIGWIN FND.

VIEW FRONT		VIEW UPPER	
	Er.61,62		Er.64
	Er.51		Er.33
	Er.64		Er.42
	Er.32		Er.63
	Er.34		
	Er.41		
	Er.31		
	HELP		
	Er.13		Er.11

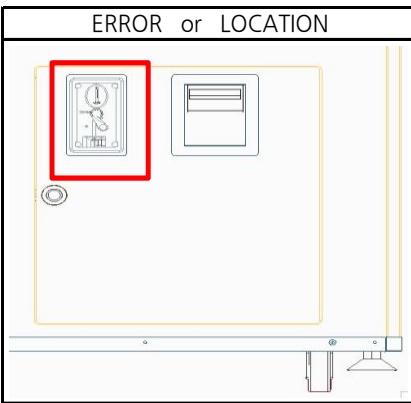
2) TROUBLESHOOTING

(1) SYSTEM ERROR (Er.02 , Er.03)



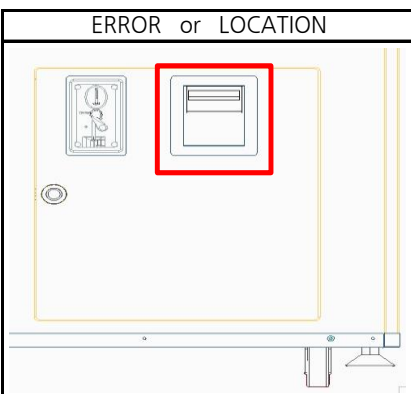
► SOLUTION			
1. CHECK : 1) Recheck after power off/on 2) Recheck after factory set 3) MAIN PCB replacement			
PART NAME		CODE	
MAIN I/O PCB ASS'Y		ASBT0ASS001	

(2) COIN MACHINE ERROR (Er.11)



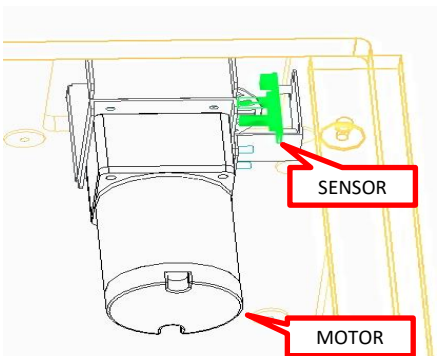
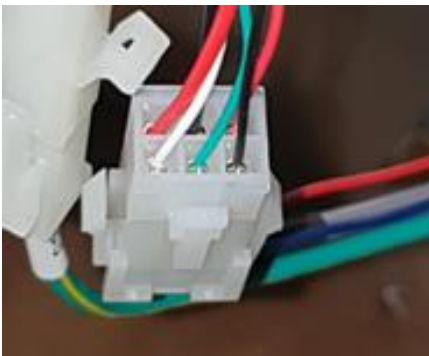
► SOLUTION			
1. TEST MODE → COIN TEST 2. CHECK : 1) Check whether COIN JAM 2) Check the cable connection status 3) REPLACE COIN MACHINE 4) MAIN PCB replacement			
PART NAME		CODE	
COIN SELECTOR		MZZZ0COS052	MAIN I/O PCB ASS'Y ASBT0ASS001

(3) BILL ACCEPTOR ERROR (Er.13)



► SOLUTION			
1. TEST MODE → BILL TEST 2. CHECK : 1) Check whether BILL JAM 2) Check the cable connection status 3) REPLACE BILL ACCEPTOR 4) MAIN PCB replacement			
PART NAME		CODE	
MAIN I/O PCB ASS'Y		ASBT0ASS001	

(4) MAIN(TRAIN) MOTOR & SENSOR ERROR(Er.31)

ERROR or LOCATION	P1	P2							
		<table border="1"> <tr><td>3</td><td>2</td><td>1</td></tr> <tr><td>6</td><td>5</td><td>4</td></tr> </table>	3	2	1	6	5	4	
		3	2	1					
6	5	4							
		1	5V						
		2	GND						
		3	4.5V or more						
		4	4.5V or more						
		5	0.1V or less	detect					
			4.5V or more	undetected					
		6	GND						

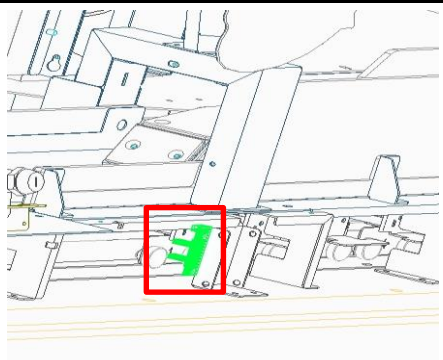

► SOLUTION

1. TEST MODE → MOT TRAIN TEST
 - TICKET FND : First digit change confirmation
 - CREDIT FND : branch sensor display
2. CHECK :
 - 1) Check the assembly status of couplings and other motor connection devices
 - 2) Check the cable connection (P1)

- 3) Check chain and fixture deformation
- 4) Motor voltage measurement (P2)
- 5) MOTOR replacement
- 6) Sensor PCB voltage measurement (P2)
- 7) SENSOR PCB replacement
- 8) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
GEAR HEAD	MZZM0MOT019	MOTOR	MZZM0MOT016
PHOTO INT-1 PCB ASS'Y	AZZZ0PCB103	MAIN I/O PCB ASS'Y	ASBT0ASS001

(5) MAIN(TRAIN) SEQUENCE CHECK SENSOR ERROR (Er.32)

ERROR or LOCATION	P1	P2					
		<table border="1"> <tr><td>1</td></tr> <tr><td>2</td></tr> <tr><td>3</td></tr> <tr><td>4</td></tr> </table>	1	2	3	4	
		1					
2							
3							
4							
		1	4.5V or more				
		2	4.5V or more				
		3	0.1V or less	detect			
			4.5V or more	undetected			
		4	GND				

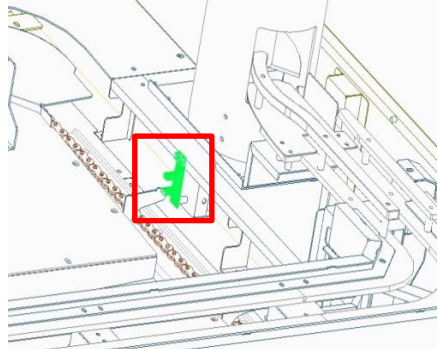

► SOLUTION

1. TEST MODE → MOT TRAIN TEST
 - TICKET FND : 4th digit change confirmation
2. CHECK :
 - 1) Check the assembly status of chain and train injection moldings
 - 2) Check the cable connection (P1)

- 3) Check Part Deformation (P1)
- 4) Sensor PCB voltage measurement (P2)
- 5) SENSOR PCB replacement
- 6) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
PHOTO INT-1 PCB ASS'Y	AZZZ0PCB103	MAIN I/O PCB ASS'Y	ASBT0ASS001

(6) TRAIN SPEED CONTROL START SENSOR ERROR (Er.33)

ERROR or LOCATION	P1	P2																
		<table border="1"> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> </table>	1		2		3		4									
1																		
2																		
3																		
4																		
		<table border="1"> <tr><td>1</td><td>4.5V or more</td><td></td></tr> <tr><td>2</td><td>4.5V or more</td><td></td></tr> <tr><td>3</td><td>0.1V or less</td><td>detect</td></tr> <tr><td></td><td>4.5V or more</td><td>undetected</td></tr> <tr><td>4</td><td>GND</td><td></td></tr> </table>	1	4.5V or more		2	4.5V or more		3	0.1V or less	detect		4.5V or more	undetected	4	GND		
1	4.5V or more																	
2	4.5V or more																	
3	0.1V or less	detect																
	4.5V or more	undetected																
4	GND																	

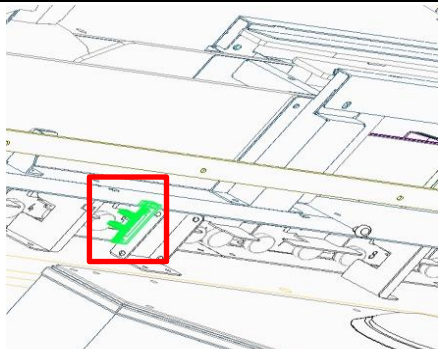
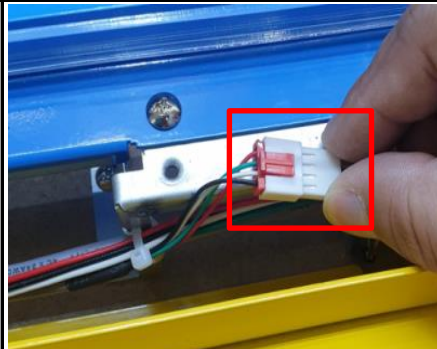
► SOLUTION

1. TEST MODE → MOT TRAIN TEST
 - TICKET FND : Check the second digit change
2. CHECK :
 - 1) Check the assembly status of chain and train injection moldings
 - 2) Check the cable connection (P1)

- 3) Check Part Deformation (P1)
- 4) Sensor PCB voltage measurement (P2)
- 5) SENSOR PCB replacement
- 6) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
PHOTO INT-1 PCB ASS'Y	AZZZ0PCB103	MAIN I/O PCB ASS'Y	ASBT0ASS001

(7) TRAIN SPEED CONTROL END SENSOR ERROR (Er.34)

ERROR or LOCATION	P1	P2																
		<table border="1"> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> </table>	1		2		3		4									
1																		
2																		
3																		
4																		
		<table border="1"> <tr><td>1</td><td>4.5V or more</td><td></td></tr> <tr><td>2</td><td>4.5V or more</td><td></td></tr> <tr><td>3</td><td>0.1V or less</td><td>detect</td></tr> <tr><td></td><td>4.5V or more</td><td>undetected</td></tr> <tr><td>4</td><td>GND</td><td></td></tr> </table>	1	4.5V or more		2	4.5V or more		3	0.1V or less	detect		4.5V or more	undetected	4	GND		
1	4.5V or more																	
2	4.5V or more																	
3	0.1V or less	detect																
	4.5V or more	undetected																
4	GND																	

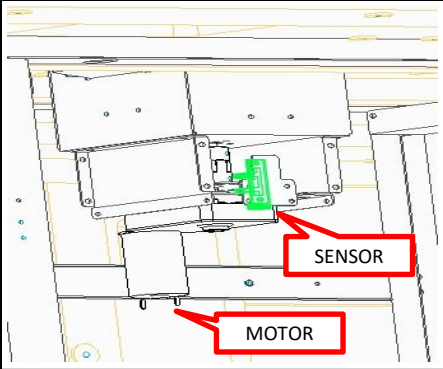
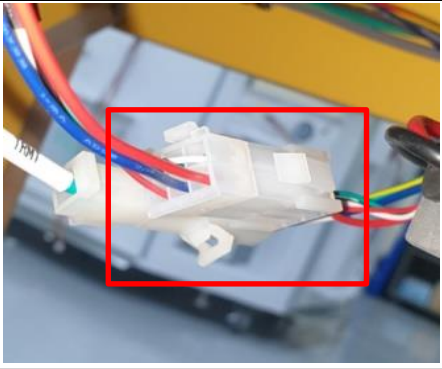
► SOLUTION

1. TEST MODE → MOT TRAIN TEST
 - TICKET FND : 3rd digit change confirmation
2. CHECK :
 - 1) Check the assembly status of chain and train injection moldings
 - 2) Check the cable connection (P1)

- 3) Check Part Deformation (P1)
- 4) Sensor PCB voltage measurement (P2)
- 5) SENSOR PCB replacement
- 6) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
PHOTO INT-1 PCB ASS'Y	AZZZ0PCB103	MAIN I/O PCB ASS'Y	ASBT0ASS001

(8) BALL ELEVATOR MOTOR & SENSOR ERROR(Er.41)

ERROR or LOCATION	P1	P2							
		<table border="1"> <tr> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> </tr> </table>		4	5	6	1	2	3
4	5	6							
1	2	3							
		1	11V or more						
		2	GND						
		3	4.5V or more						
		4	4.5V or more						
		5	0.1V or less detect						
			4.5V or more undetected						
		6	GND						

► SOLUTION

1. TEST MODE → MOT ELEVATOR TEST
 - BIGWIN FND : Check "ON" display
 - TICKET FND : 4th digit change confirmation
 - CREDIT FND : branch sensor display

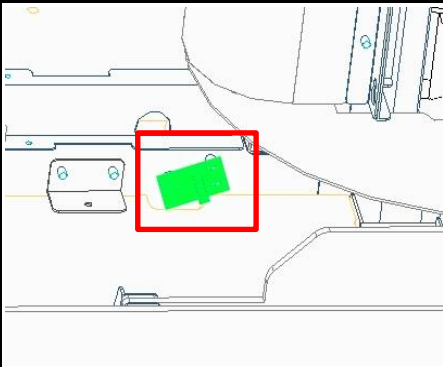

2. CHECK :

- 1) Check the assembly status of couplings and other motor connection devices

- 2) Check the cable connection (P1)
- 3) Check chain and fixture deformation
- 4) Motor voltage measurement (P2)
- 5) MOTOR replacement
- 6) Sensor PCB voltage measurement (P2)
- 7) SENSOR PCB replacement
- 8) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
MOTOR	MZZM0MOT008	PHOTO INT-1 PCB ASS'Y	AZZZ0PCB103
MAIN I/O PCB ASS'Y	ASBT0ASS001		

(9) BALL RETURN SENSOR ERROR (Er.42)

ERROR or LOCATION	P1	P2									
		<table border="1"> <tr> <td>1</td> <td></td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td></td> </tr> <tr> <td>4</td> <td></td> </tr> </table>		1		2		3		4	
1											
2											
3											
4											
		1	4.5V or more								
		2	4.5V or more								
		3	0.1V or less detect								
			4.5V or more undetected								
		4	GND								

► SOLUTION

1. TEST MODE → INPUT TEST
 - Output sound upon sensor recognition: 4

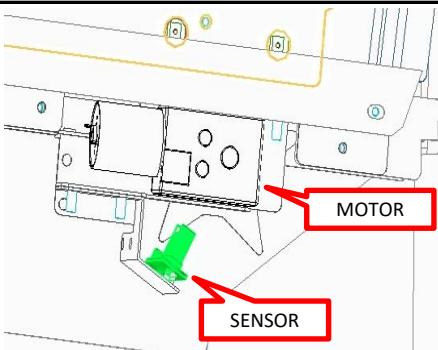


2. CHECK :

- 1) Check for ball jams & balls
- 2) Check the cable connection (P1)

- 3) Check Part Deformation (P1)
- 4) Sensor PCB voltage measurement (P2)
- 5) SENSOR PCB replacement
- 6) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
ELEVATOR DISK SENSOR PCB ASS'Y	AGHP0PCB020	MAIN I/O PCB ASS'Y	ASBT0ASS001

(10) BALL SHOOTER MOTOR & SENSOR ERROR (Er.51)

ERROR or LOCATION	P1	P2																			
	 <table border="1"> <tr><td>1</td><td>4V or more</td></tr> <tr><td>2</td><td>GND</td></tr> </table>	1	4V or more	2	GND	 <table border="1"> <tr><td>1</td><td>4.5V or more</td><td></td></tr> <tr><td>2</td><td>4.5V or more</td><td></td></tr> <tr><td>3</td><td>0.1V or less</td><td>detect</td></tr> <tr><td></td><td>4.5V or more</td><td>undetected</td></tr> <tr><td>4</td><td>GND</td><td></td></tr> </table>	1	4.5V or more		2	4.5V or more		3	0.1V or less	detect		4.5V or more	undetected	4	GND	
1	4V or more																				
2	GND																				
1	4.5V or more																				
2	4.5V or more																				
3	0.1V or less	detect																			
	4.5V or more	undetected																			
4	GND																				


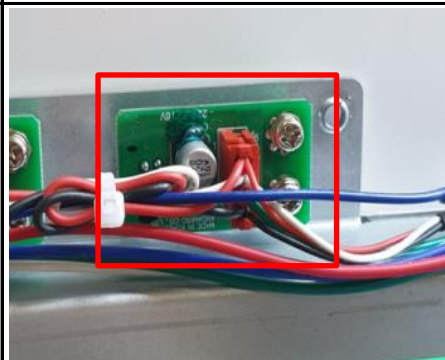
► SOLUTION

1. TEST MODE → MOT TRAIN TEST
 - BIGWIN FND : Check "ON" display
 - TICKET FND : Check first digit change
 - CREDIT FND : Check the number of balls fired
2. CHECK :
 - 1) Assembling the motor, checking the assembly status of parts

- 2) Check the cable connection (P1,P2)
- 3) Check Part Deformation (P1)
- 4) Motor voltage measurement (P1)
- 5) MOTOR replacement
- 6) Sensor PCB voltage measurement (P2)
- 7) SENSOR PCB replacement
- 8) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
MOTOR	MZZZ0MOT170	PHOTO INT-1 PCB ASS'Y	AZZZ0PCB103
MAIN I/O PCB ASS'Y	ASBT0ASS001		

(11) BALL IN SENSOR ERROR (Er.61)

ERROR or LOCATION	P1	P2																							
		<table border="1"> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> </table> <table border="1"> <tr><td>1</td><td>4.5V or more</td><td></td></tr> <tr><td>2</td><td>4.5V or more</td><td></td></tr> <tr><td>3</td><td>0.1V or less</td><td>detect</td></tr> <tr><td></td><td>4.5V or more</td><td>undetected</td></tr> <tr><td>4</td><td>GND</td><td></td></tr> </table>	1		2		3		4		1	4.5V or more		2	4.5V or more		3	0.1V or less	detect		4.5V or more	undetected	4	GND	
1																									
2																									
3																									
4																									
1	4.5V or more																								
2	4.5V or more																								
3	0.1V or less	detect																							
	4.5V or more	undetected																							
4	GND																								


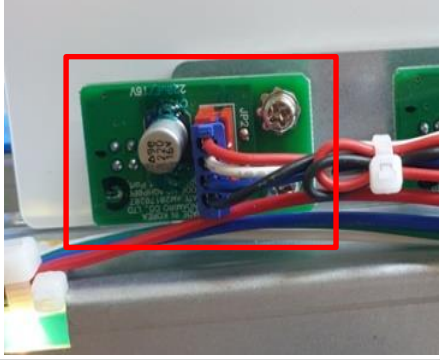
► SOLUTION

1. TEST MODE → MOT SHOOTER TEST
 - TICKET FND : Check the second digit change
2. CHECK :
 - 1) make sure the ball is there
 - 2) If there's no ball, put the ball on top, clear the error, and retest.

- 3) Check cable & connector connection status (P1)
- 4) Sensor PCB voltage measurement (P2)
- 5) SENSOR PCB replacement
- 6) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
ELEVATOR DISK SENSOR PCB ASS'Y	AGHP0PCB020	MAIN I/O PCB ASS'Y	ASBT0ASS001

(12) BALL OUT SENSOR ERROR (Er.62)

ERROR or LOCATION	P1	P2															
		<table border="1"> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> </table>	1		2		3		4								
1																	
2																	
3																	
4																	
		<table border="1"> <tr><td>1</td><td>4.5V or more</td><td></td></tr> <tr><td>2</td><td>4.5V or more</td><td></td></tr> <tr><td rowspan="2">3</td><td>0.1V or less</td><td>detect</td></tr> <tr><td>4.5V or more</td><td>undetected</td></tr> <tr><td>4</td><td>GND</td><td></td></tr> </table>	1	4.5V or more		2	4.5V or more		3	0.1V or less	detect	4.5V or more	undetected	4	GND		
1	4.5V or more																
2	4.5V or more																
3	0.1V or less	detect															
	4.5V or more	undetected															
4	GND																

► SOLUTION

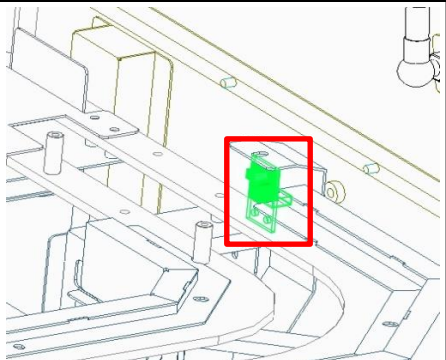
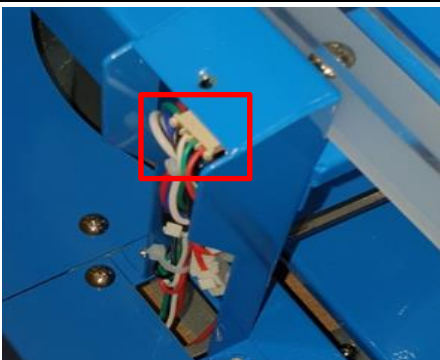
1. TEST MODE → MOT SHOOTER TEST
 ► TICKET FND : 3rd digit change confirmation

2. CHECK :
 1) Check if there is a ball jam, stagnant ball, or ball
 2) If there's no ball, put the ball on top, clear the error, and retest.

3) Check cable & connector connection status (P1)
 4) Sensor PCB voltage measurement (P2)
 5) SENSOR PCB replacement
 6) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
ELEVATOR DISK SENSOR PCB ASS'Y	AGHP0PCB020	MAIN I/O PCB ASS'Y	ASBT0ASS001

(13) BALL RAIL SENSOR ERROR (Er.63)

ERROR or LOCATION	P1	P2															
		<table border="1"> <tr><td>4</td><td>3</td><td>2</td><td>1</td></tr> </table>	4	3	2	1											
4	3	2	1														
		<table border="1"> <tr><td>1</td><td>4.5V or more</td><td></td></tr> <tr><td>2</td><td>4.5V or more</td><td></td></tr> <tr><td rowspan="2">3</td><td>0.1V or less</td><td>detect</td></tr> <tr><td>4.5V or more</td><td>undetected</td></tr> <tr><td>4</td><td>GND</td><td></td></tr> </table>	1	4.5V or more		2	4.5V or more		3	0.1V or less	detect	4.5V or more	undetected	4	GND		
1	4.5V or more																
2	4.5V or more																
3	0.1V or less	detect															
	4.5V or more	undetected															
4	GND																

► SOLUTION

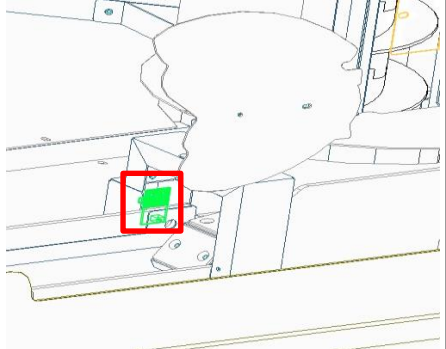

1. TEST MODE → INPUT TEST
 ► Speaker sound upon sensor recognition: 7

2. CHECK :
 1) Check if there is a ball jam, stagnant ball, or ball
 2) Check cable & connector connection status (P1)

3) Check part deformation
 4) Sensor PCB voltage measurement (P2)
 5) SENSOR PCB replacement
 6) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
ELEVATOR DISK SENSOR PCB ASS'Y	AGHP0PCB020	MAIN I/O PCB ASS'Y	ASBT0ASS001

(14) BALL SUCCESS SENSOR ERROR (Er.64)

ERROR or LOCATION	P1	P2		
		1		
		2		
		3		
		4		
		1	4.5V or more	
		2	4.5V or more	
		3	0.1V or less	detect
			4.5V or more	undetected
		4	GND	

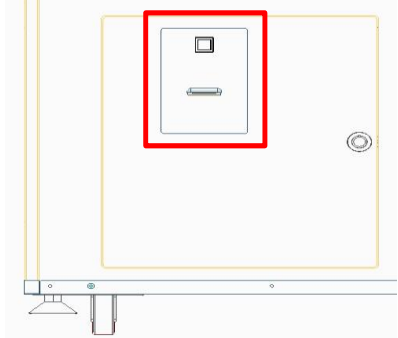
► SOLUTION

1. TEST MODE → INPUT TEST
 - Speaker sound upon sensor recognition: 6
2. CHECK :
 - 1) Check for foreign objects and balls
 - 2) Check cable & connector connection status (P1)

- 3) Check part deformation
- 4) Sensor PCB voltage measurement (P2)
- 5) SENSOR PCB replacement
- 6) MAIN PCB replacement

PART NAME	CODE	PART NAME	CODE
ELEVATOR DISK SENSOR PCB ASS'Y	AGHP0PCB020	MAIN I/O PCB ASS'Y	ASBT0ASS001

(15) TICKET ERROR (HELP)

ERROR or LOCATION	► SOLUTION		
	<ol style="list-style-type: none"> 1. TEST MODE → TICKET TEST 2. CHECK : <ol style="list-style-type: none"> 1) Check whether TICKET JAM 2) Check the cable connection status 3) REPLACE TICKET DISPENSER 4) MAIN PCB replacement 		
	PART NAME	CODE	PART NAME
MAIN I/O PCB ASS'Y	ASBT0ASS001	TICKET DISPENSER	MZZZ0TID010