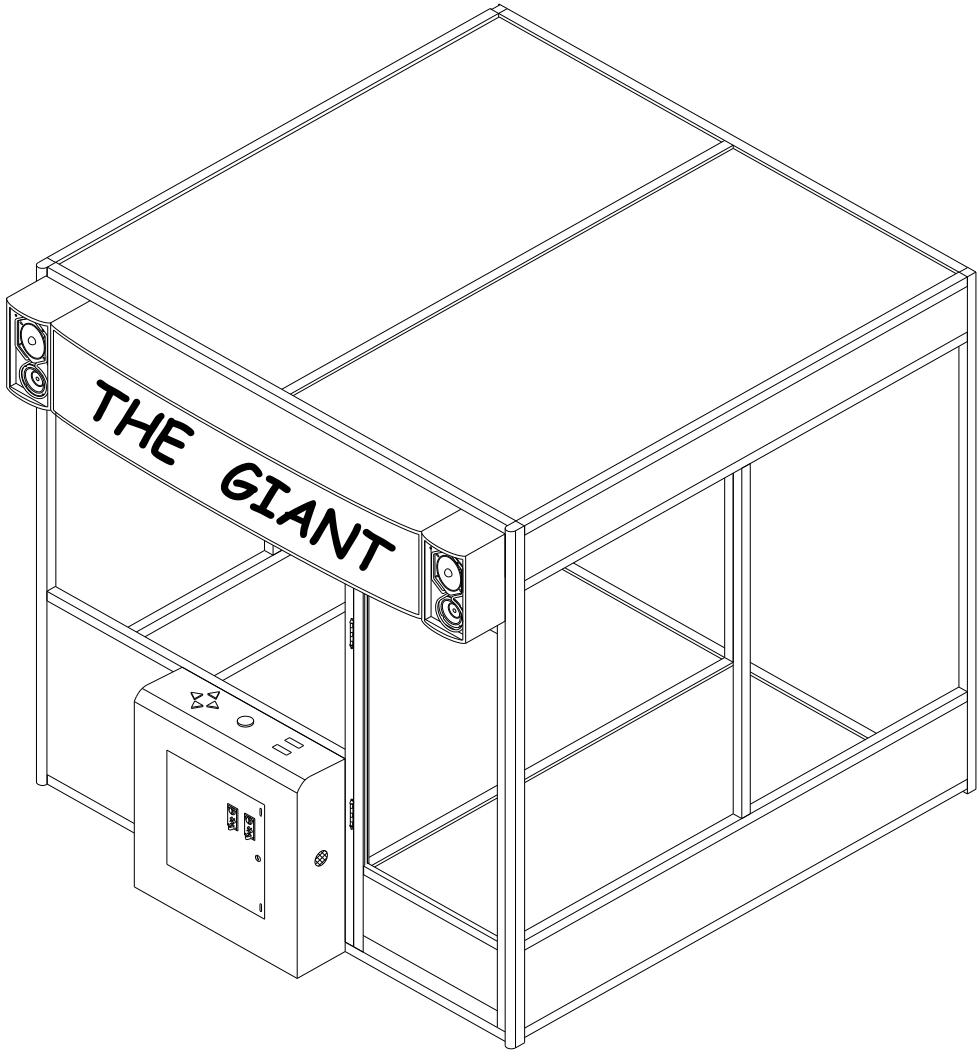
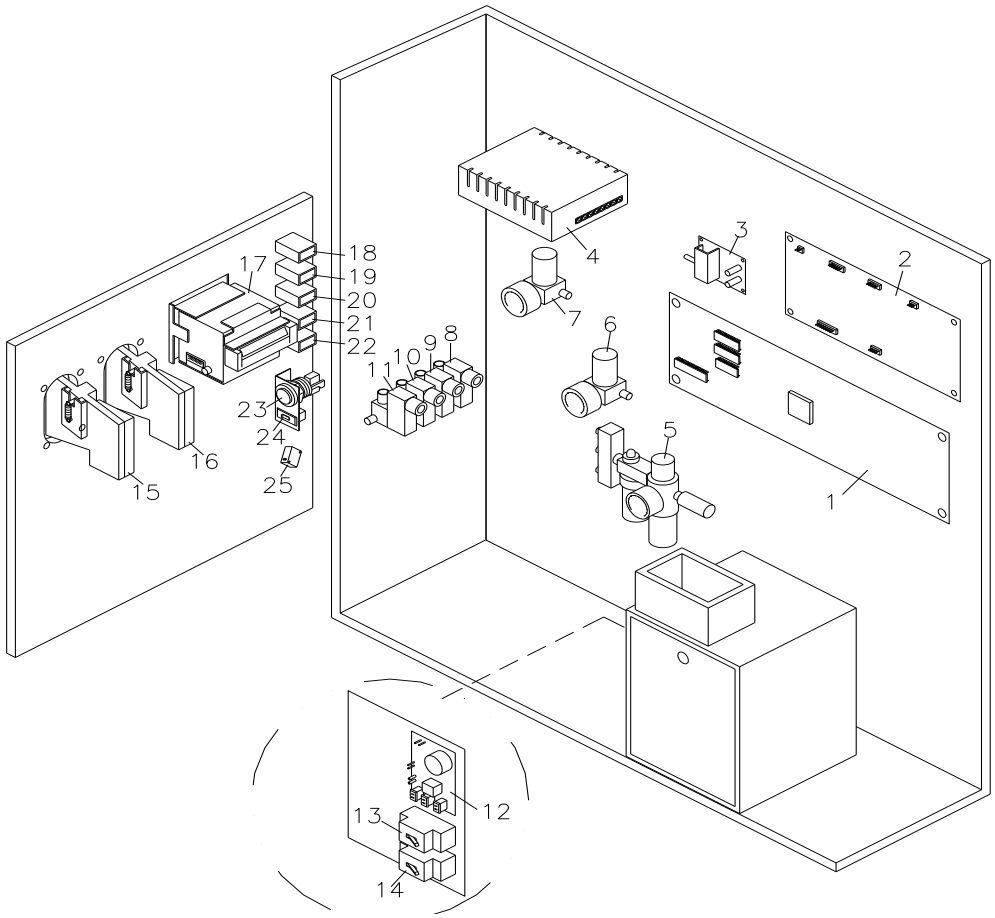
The Giant



Feiloli Electronic Co., Ltd.
http://www.feiloli.com.tw

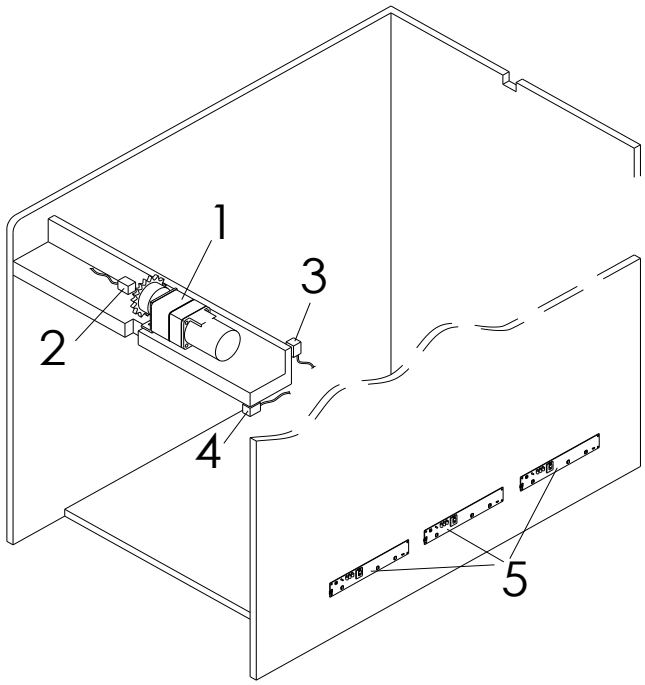
The Giant Front Control Allocation

1. Main PCB
2. Motor Driver PCB
3. Music Amplifier & Sounds adjustment button
4. Power Supply
5." strong " catch force adjusting valve
6."middle " catch force adjusting valve
7." weak " catch force adjusting valve
8."strong" catch force electromagnetic
9."middle " catch force electromagnetic
10."weak" catch force electromagnetic
11. Gas relief (OFF) electromagnetic
12. Anti-interference PCB
13. Lighting and PCB power AC
14. Aircompressor power switch
15. Coin selector 1(COIN1)
16. Coin selector 2 (COIN2)
17.Bill acceptor(COIN3)
18.Coin selector 1 in meter
19.Coin selector 2 in meter
20.Bill acceptor in meter
21.Prize out meter
22. Future use meter
23.Test button
24. Main PCB power supply switch
25. Test button



Top Light Box Instruction

1. Prize Exit Door Motor
2. Motor Rotation Sensor
3. Prize Exit Door " Close " Sensor
4. Prize Exit Door " Open " Sensor
5. Prize Exit Door Sensor PCB

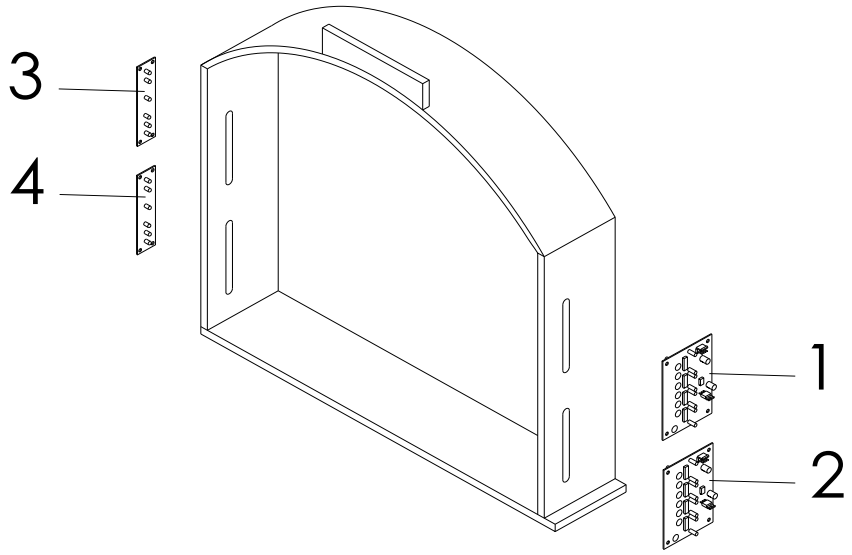


***** Test open & close of prize door *****
*. On mode or sensor test mode :
**. Press test button to open or close prize door
(A) Press test button when door is in open status to close door
(B) Press test button when door is in close status to open door

**** Force Exit door open & close (does not stop because of sensor detects)**
DIP SW4 NO. 6, 7 pin on repower up, display shows " 2222 ".
(A) Joystick forwards : open the door
(B) Joystick backwards: close the door
Note: Use this method to open or close door, SENSOR no function.

Prize Exit Safety Sensor Allocation

1. SENSOR RECEIVE PCB A.
2. SENSOR RECEIVE PCB B.
3. SENSOR SEND PCB A.
4. SENSOR SEND PCB B.



SENSOR TEST & ADJUSTMENT:

1. DIP SW 4 NO. 7 pin on, display shows " 1111 ".
2. At this time, above 1, 2 PCB LED must be " off ", which means there's nothing block between receive and send sensors.
3. If one of above LED on, it could be dirty or stained. Please wipe clean and clear any dirty.
4. If above invalid, adjust VR on no. 1 & 2 PCB in clockwise direction to enlarge " sending " current unitl LED is off.
5. Test if LED is on by blocking sensor with hand.

SENSOR " ON " TIMING:

1.The sensors are off during waiting time or operation, all LED on.
2. Sensor works only when door is ready to close after open.
3. When exit door is about to close, if safety sensor detects something, door stops immediately and produce beep sounds, display " 20 " flashes.
4. It's working well again when something is removed.

Description 1

A. About machine setting:

(1). Setting Game Time :

1. Press " test button, and power on", wait until power is on then release test button.
   (" test button " ------ control box no. 25)
2. Time display flashes, this is game time.
3. Setting game time: from 10 to 100 secs, it increase or reduce 1 sec each time.
4. (joystick button) forward, no. increase (joystick button) backward no. lessen.
5. After setting, press " catch " button or turn off machine straightly and reboot.

(2).setting win rate:

1. refer to DIP SW1 adjustment setting
2. setting win rate every " X " games
3. example: if win every 60 times in everage, set DIP SW1 3、4→ ON, others→OFF.
   setting range : win every from 5 times~~~~to 855 times
4. Win rate reset :A. when DIP SW1 changes, (win rate changes).
   B. enter setting game time
   (press test button and power on, wait until power is on and release test button to leave the mode.

(3).setting " CREDITS " of coin selector and bill acceptor

1. Refer to DIP SW2 adjustment
2. There are 3 input signal : COIN1 ,COIN2 ,COIN3.
   COIN1 and COIN2 is input of coin selectors and COIN3 is input of bill acceptor
3. COIN signal converts to CREDIT , please refer to values of COIN to set CREDIT.
4. " CREDIT " is deducted each game. . " N "-set by DIP SW3 (N=1~~10).

(4). Setting claw force:

1. Strong and weak force of claw is controlled by gas pressure
2. Adjust "strong" air pressure adjusitng valve, setting force (about 3 ~~ 5 kgs).
3. Adjust"middle"air pressure adjusting valve, setting middle force(about 0.5 ~~ 1.5 kgs).
4. Adjusting "weak" air pressure adjusting valve, setting force (about 0.3 ~~ 0.5 KG).

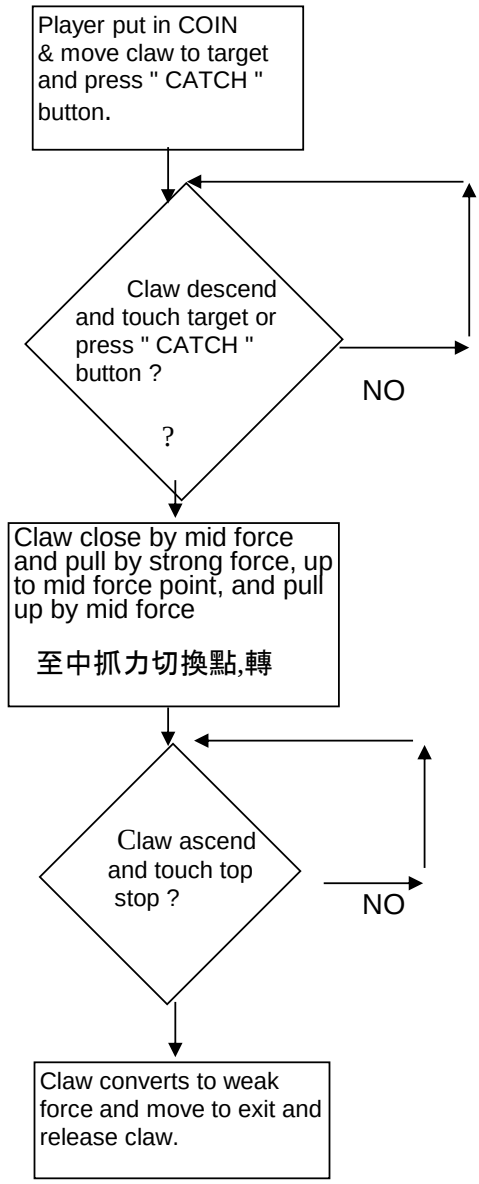
B. How to control win rate

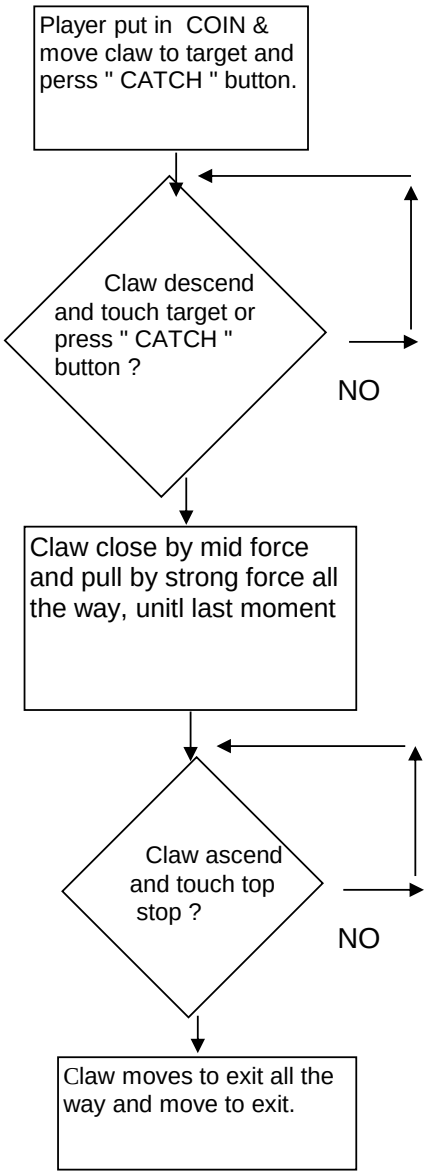
※ claw force must be adjusted in accordance with following rules to control win rate corre

1. Strong claw air rpessure must catch " plush toy " on the floor.
2. Weak claw air pressure must release " plush toy " compltely and claw does not open
3. Middle claw air pressure is little higer than weak force

Middle force sets goods " drop or not " (goods drop to floor naturally).

※ machine program lose, procedure as follows ※ machine program win, procedure as





※ps1:Tgere are four mid force converting points. (Please set DIP SW4 PIN 1,2)
The longer of mid force length , the shorter strong force height.

※ setting skill of mide force : goods to between drop and not drop**(goods drop more na**
you can set mid force according to weights of goods air pressure and length of mid force,
In general, do not set mid force air pressure figure to high and do not set length of mid for
otherwise, goods close to exit will be won by mid force.

C. Other function description :

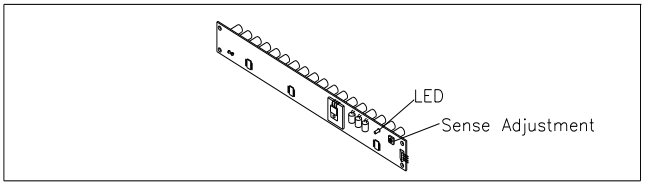
(1). Test sensor and up down movement of claw

* sensor PCB adjustment and test :

1.adjustment timing:

(a). When sensor is not working. NG (08).

(b). When sensor is not doing good (does not sense when goods drop).



2. Adjustment method:

(a). Set DIP SW4, no. 7 ON to test sensor function.
(b) Repower on.
(c).When display final counts 9999 >> 88>> 77 >> 66 >> 55 >> 44 >> 33 >> 22 >>1111
machine does not move, it is sensor testing.
(d).watch indicator is off or not. If it is no, there is obstacle in exit, please remove obstacle.
(e). Please adjust sense adjustment button with tool, and screw to button (weakest sense)
Indicator light must be off. If it is on, sensor could be error or black paper is not there well.
(f).Please adjust sensitivity button with tool and rotate in anti clockwise direction to
strengthen sensitivity until indicator light is on.
(g).Slowly adjust in clockwise direction until indicator light is off. Adjust little bit in clockwise
direction, it is done.
(h).After adjusting, test sensor with anything to see if it's normal.
(i). Test OK , set DIP SW4, no. 7 to OFF, back to operation.
(j). Indicator light must be on, which means sensor testing function is off.

* test claw up-down *

(a).Set DIP SW4, no. 7 to ON (sensor test and claw up-down test function
(b) Repower on
(c).When display final counts down 9999 >> 88 >>77>>66 >>55 >> 44 >> 33>>22>>1111
machine does not move, it is claw up-down test function.
(d).(joystick button) forward, claw goes up,(joystick button) backward, claw goes down.
(e). Test OK, set DIP SW4 no. 7 off, back to operation.

(2). Test prize door open and close:

1. Power on machine, under on mode or sensor test mode:
2. Press test button, to open or close door.

(a) When door is on status, press test button to close door.

(b)When door is off status, press test button to open door.

(3). Timing of prize door open and close:

1.When machine auto reset, display final counts"1111", machine auto detects exit sensor

2.When prize door sense something, prize exit opens until player gets goods (exit sensor no sense), door auto close.

3.When machine is on, exit door will auto close, means there is no goods in prize exit

4.When game starts, machine will auto test exit sensor.

At this time, when sensor sensnes goods, prize exit open until players gets prize. door auto close, and back to game.

5.When game is over, gantry goes back to exit. If exit sensor senses, prize exit opens until prize is tak (exit sensor no sense), door auto close.

**** Force Exit door open & close (does not stop because of sensor detects)**

DIP SW4 NO. 6, 7 pin on repower up, display shows " 2222 ".

(A) Joystick forwards : open the door

(B) Joystick backwards: close the door

Note: Use this method to open or close door, SENSOR no function.

Sensor on Timing :

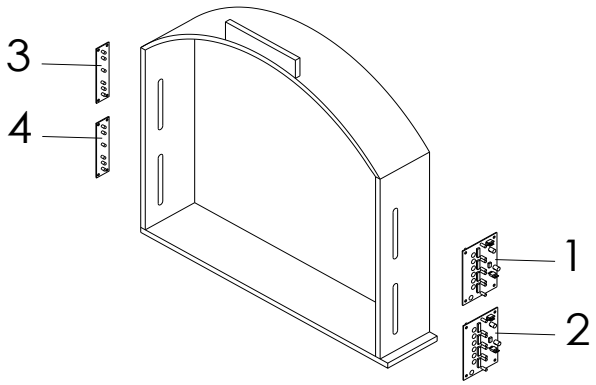
1.The sensors are off during waiting time or operation, all LED on.

2. Sensor works only when door is ready to close after open.

3. When exit door is about to close, if safety sensor detects something, door stops immd. and announce beep sounds, display " 20 " flashes.

4. It's working well again when something is removed.

exit door safey sensor allocation



THE GIANT

DIP SW1 : win rate setting : win every X times **1=ON O=OFF**

FUNCTION / NO.	1	2	3	4	5	6	7	8
ADD 5 TIMES	1	0	0	0	0	0	0	0
ADD 10 TIMES	0	1	0	0	0	0	0	0
ADD 20 TIMES	0	0	1	0	0	0	0	0
ADD 40 TIMES	0	0	0	1	0	0	0	0
ADD 80 TIMES	0	0	0	0	1	0	0	0
ADD 100 TIMES	0	0	0	0	0	1	0	0
ADD 200 TIMES	0	0	0	0	0	0	1	0
ADD 400 TIMES	0	0	0	0	0	0	0	1
AUTO SET 50 TIMES	0	0	0	0	0	0	0	0

P.S：win rate is set by DIP SW1 by accumlation.

ex：If win every 60 times in average, set DIP SW1 3、4→ ON, others→OFF

ex：If win every 150 times in average, set DIP SW1 2 , 4 , 6 → ON, others→OFF

DIP SW2 : 1=ON O=OFF

function / no.		1	2	3	4	5	6	7	8
COIN 1	1 COIN 1 CREDIT	0	0						
	1 COIN 2 CREDITS	1	0						
	1 COIN 5 CREDITS	0	1						
	2 COINS 1 CREDIT	1	1						
COIN 2	1 COIN 1 CREDIT			0	0				
	1 COIN 2 CREDITS			1	0				
	1 COIN 3 CREDITS			0	1				
	2 COINS 1 CREDIT			1	1				
BILL ACCEPTOR (COIN3)	1 PULSE 1 CREDIT					0	0		
	1 PULSE 2 CREDITS					1	0		
	1 PULSE 5 CREDITS					0	1		
	1 PULSE 10 CREDITS					1	1		

DIPSW3:

FUNCTION / NO.		1	2	3	4	5	6	7	8
1 PLAY	1 CREDIT	0	0	0					
	2 CREDITS	1	0	0					
	3 CREDITS	0	1	0					
	4 CREDITS	1	1	0					
	5 CREDITS	0	0	1					
	6 CREDITS	1	0	1					
	8 CREDITS	0	1	1					
	10 CREDITS	1	1	1					

DIPSW4

FUNCTION / MO.		1	2	3	4	5	6	7	8
MID FORCE DISTANCE (DISTANCE TO TOP)	LONG (50CM)	0	0						
	MIDDLE (30CM)	1	0						
	SHORT (15CM)	0	1						
	SHORTEST (5CM)	1	1						
SETTING WEAK FORCE(NO OPERATION)				1	0	0			
SETTING MIDDLE FORCE(NO OPERATION)				0	1	0			
SETTING STRONG FORCE(NO OPERATION)				0	0	1			
FACTORY TEST	ON(NO OPERATION)						1		
	OFF(OPERATION)						0		
(PS1) TEST SENSOR (PS1) CONTROL CLAW UP-DOWN	ON(NO OPERATION)							1	
	OFF(OPERATION)							0	
COIN MEMORY (SAVE)	YES								1
	NO								0
FORCE TO OPEN EXIT ROLL DOOR	JOYSTICK FORWARDS-OPEN								
	JOYSTICK BACKWARDS-CLOSE						1	1	

PS 1: enter sensor check mode (DIP SW4-7-->ON): display shows "1111" stop, pls check if sensor senses with anything. If it does, sensor display shows "1111"----"2222" by turns.

2: enter sensor check mode (DIP SW4-7-->ON): control gantry up-down.

(joystick button)forward, gantry goes up,(joystick button) backward, gantry goes down.

3:after check, turn SW->OFF and operate normally.

TROUBLESHOOTING 1

NO.	ERROR	SOLUTION
01	IN METER / COUNTER (1) ERROR	(1) CHECK WIRIING (2) REPLACE METER / COUNTER
02	IN METER / COUNTER (2) ERROR	(1) CHECK WIRING (2) REPLACE METER / COUNTER
03	IN METER / COUNTER (3) ERROR	(1) CHECK WIRING (2) REPLACE METER / COUNTER
04	OUT METER ERROR / COUNTER	(1) CHECK WIRING (2) REPLACE METER / COUNTER
05	COIN SELECTOR "1" NC NO ERROR	MUST BE NO
06	MEMORY ERROR	REPLACE PCB
07	MEMORY DESTROYED	1. RESET GAME TIME
08	SENSOR ERROR	(1) EXIT IS OBSTACLED (PLS CLEAR GOODS) (2) ENTER SENSOR MODE TO ADJUST SENSOR
09	SELECTOR "2" NC NO ERROR	MUST BE NO
10	SELECTOR "3" NC NO ERROR	MUST BE NO
11	UP-DOWN MOTOR ERROR	(1) CHECK DRIVER PCB FUSE (2) CHECK TOP STOP OR DOWN STOP DETECTING SW
12	FRONT BACK MOTOR ERROR	(1) CHECK DRIVER PCB FUSE (2) CHECK FRONT STOP OR BACK STOP DETECTING SWITCH
13	LEFT RIGHT MOTOR ERROR	(1) CHECK DRIVER PCB FUSE (2) CHECK LEFT LEFT STOP OR RIGHT STOP SWITCH
14	EXIT MOTOR NO TURN	(1) EXIT DOOR STUCK (2) MOTOR FREEZE
		(3) TURNING SENSOR ABNORMAL
15	EXIT MOTOR "OPEN "SENSOR ERROR	CHECK OPEN(UP LIMIT)SENSOR
16	EXIT "CLOSE "SENSOR ERROR	CHECK CLOSE(DOWN LIMIT)SENSOR
17		
18		
19		
20	EXIT SAFETY SENSOR BLOCKED BY SOMETHING	1. PLS REMOVE EXIT STUFF 2. PLS CHECK EXIT SAFETY SENSOR

~~AIR COMPRESSOR IMPORTANT~~

THEN CHANGE OIL AFTER EVERY 300 WORKING HOURS OR 3 MONTHS WHICHEVER COMES FIRST

PLS REMOVE WATER AND OIL IN STORAGE PERIODICALLY.

(PLS READ AIR COMPRESSOR MANUAL BEFORE USING)