

Bobble Bubble

 **SEO JIN CORPORATION**

777-3, SEOCHO-DONG,
KANGNAM-KU, SEOUL, KOREA
CABLE: SEJIN CORPORATION

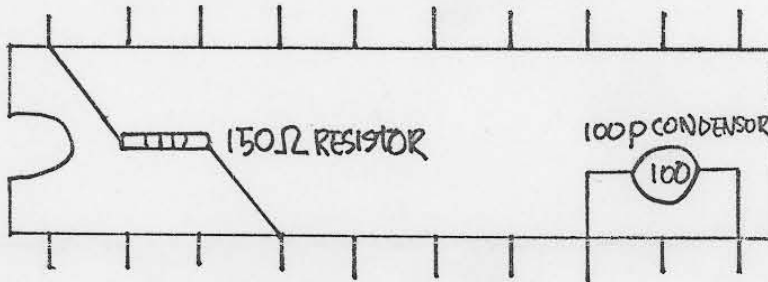
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TO: MR. HELMUT ASTHERMIER
FROM: SEO JIN COPORATION
SUB: BUBELE BOBBLE

MAR 25, 1987

SORRY FOR OUR DEFECTIVE BOARDS, AND ADVISE TO YOU THAT WE HAVE SOLVED PROBLEM OF BUBBLE BOBBLE AS FOLLING:

ON THE BOARD -A- PLEASE CONNECT 74LS240P MARKED MISUBISHI UNDER SHARP Z80A WITH RESISTOR AND CONDENSOR AS FOLLING:



74LS240P
(IC 35)

FOR THE REPAIR, WE HAVE SENT TO YOU SOME OF RESISTORS AND CONDENSORS, ALSO PALS FOR DANGAR AS YOU REQUESTED.

PLEASE LET US KNOW THE RESULT.

VERY TURLY YOURS,

SEO JIN CORPORATION



PRESIDENT,

H. C. PARK

89年 1月 17日 12:04

電話 944- 5227 B

P. 1
発信部門: 貿易部

ATTN= MR. ASTHEIMER

1/2

TO GLF FROM YN/NO HERE ARE WIRING AND DIP SW CHART. PLS CONFIRM THESE ASA U GET. NO. 1
DIP SW SETTING CHART FOR "BUBBLE BOBBLE"

*DIP SW (A)

HEAD	CONTENTS	1	2	3	4	5	6	7	8
EXPLAIN GAME RULE IN:	JAPANESE	OFF							
	ENGLISH	ON							
SCREEN INVERSION	NORMAL		OFF						
	INVERSION		ON						
TEST MODE	NORMAL GAME			OFF					
	TEST MODE			ON					
MEMO SOUND	YES				OFF				
	NO				ON				
PLAY PRICING FOR COIN (A)	1COIN 1PLAY					OFF	OFF		
	1COIN 2PLAY					ON	OFF		
	2COIN 1PLAY					OFF	ON		
	2COIN 3PLAY					ON	ON		
PLAY PRICING FOR COIN (B)	1COIN 1PLAY							OFF	OFF
	1COIN 2PLAY							ON	OFF
	2COIN 1PLAY							OFF	ON
	2COIN 3PLAY							ON	ON

DIP SW (B)

HEAD	CONTENTS	1	2	3	4	5	6	7	8
THE LEVEL OF DIFFICULTY	B	OFF	OFF						
	A	ON							
	C	OFF	ON						
	D	ON							
BONUS POINTS (1ST/2ND...)	30000/100000/.....			OFF	OFF				
	20000/80000/.....			ON	OFF				
	40000/200000/.....			OFF	ON				
	50000/250000/.....			ON	ON				
NUMBER OF PLAYERS	3					OFF	OFF		
	5					ON	OFF		
	1					OFF	ON		
	2					ON	ON		

2/2

WIRING DIAGRAM FOR "BUBBLE BOBBLE"

H

1	GND
2	GND
3	GND
4	GND
5	+ 5V
6	+ 5V
7	+ 5V
8	- 5V
9	+13V
10	POST
11	+12V
12	+12V

T

PARTS FACE		SOLDER FACE	
GND	1	A	GND
GND	2	B	GND
GND	3	C	GND
GND	4	D	GND
	5	E	
	6	F	
POST	7	H	POST
	8	J	
	9	K	
	10	L	
	11	M	
	12	N	
	13	P	
	14	R	
+ 5V	15	S	+ 5V
+ 5V	16	T	+ 5V
+ 5V	17	U	+ 5V
+ 5V	18	V	+ 5V

G

PARTS FACE		SOLDER FACE	
GND	1	A	GND
VIDEO R	2	B	VIDEO GND
VIDEO G	3	C	VIDEO B
VIDEO SYNC	4	D	
SOUND OUT (+)	5	E	SOUND OUT (-)
POST	6	F	POST
	7	H	
COIN SW (A)	8	J	COIN SW (B)
COIN METER (A)	9	K	COIN METER (B)
COIN LOCKOUT (A)	10	L	COIN LOCKOUT (B)
SERVICE SW	11	M	TILT SW
SELECT-1	12	N	SELECT-2
	13	P	
	14	R	
1P RIGHT	15	S	2P RIGHT
1P LEFT	16	T	2P LEFT
	17	U	
	18	V	
	19	W	
	20	X	
1P BUBBLING BUTTON	21	Y	2P BUBBLING BUTTON
1P JUMPING BUTTON	22	Z	2P JUMPING BUTTON

BOBBLE BUBBLE

DIP SW 1

SOLDIER SIDE

PARTS SIDE

GND

GND

+5V

+5V

+12V

SP (+)

2P LEFT

1P RIGHT

2P SHOOT

2P SHOOT

GND

GND

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

GND

GND

+5V

+5V

COIN

1P START

1P LEFT

2P RIGHT

1P SHOOT

1P SHOOT

SP (-)

SP (-)

ITEM

DESCRIPTION

1

2

3

4

5

6

7

8

GAME

NORMAL GAME

OFF

SELECT

SUPER GAME

ON

PICTURE

NORMAL

OFF

REVERSE

REVERSE

ON

TEST

NORMAL GAME

OFF

MODE

TEST MODE

ON

DEMO

YES

OFF

SOUND

NO

ON

COIN

1 COIN 1 PLAY

OFF

OFF

A

1

"

2

"

ON

OFF

2

"

1

"

OFF

ON

2

"

3

"

ON

ON

COIN

1

"

1

"

OFF

OFF

B

1

"

2

"

ON

OFF

2

"

1

"

OFF

ON

2

"

3

"

ON

ON

DIP SW 2

ITEM

DESCRIPTION

1

2

3

4

5

6

7

8

DIFFICULTY

2

OFF

OFF

EASY 1

ON

OFF

3

OFF

ON

DIFFICULT 4

ON

ON

BONUS

30000/100000

OFF

OFF

20000/ 80000

ON

OFF

40000/200000

OFF

ON

50000/250000

ON

ON

NUMBER

3

OFF

OFF

OF

100

ON

OFF

PLAYER

1

OFF

ON

2

ON

ON

GAME

HIGH SPEED 1

OFF

OFF

SPEED

2

ON

OFF

3

OFF

ON

NORMAL SPEED 4

ON

ON

BUBBLE

Super model

~~SECRET~~ BUBBLE

87/01/26

WIRING DIAGRAM

(A)
SOLDER SIDE

PART SIDE

(B)
SOLDER SIDE

PART SIDE

GND	1	GND	1	GND	1
GND	2	RED	2	GND	2
BLUE	3	GREEN	3	GND	3
SOUND OUT (-)	4	SOUND OUT (+) <i>sync</i>	4	+5V	4
POST	5	POST	5	+5V	5
+12V	6	+12V	6	-5V	6
COIN SW2	7	COIN SW1	7	+12V	7
COIN METER (B)	8	COIN METER (A)	8	GREEN	8
COIN LOCKOUT (B)	9	COIN LOCKOUT (A)	9	BLUE	9
TILT SW	10	SERVICE SW	10	SYNC	10
SELECT-2	11	SELECT-1	11	SOUND OUT (-)	11
	12		12	SOUND OUT (+)	11
	13		13		12
	14		14	COIN B	13
2P RIGHT	15	1P RIGHT	15	COIN A	14
2P LEFT	16	1P LEFT	16		15
GND	17	GND	17		16
GND	18	GND	18	2P START	17
+5V	19	+5V	19	1P START	18
+5V	20	+5V	20		19
2P BUBBLE	21	2P BUBBLE	21	2P RIGHT	20
2P JUMP	22	1P JUMP	22	2P LEFT	21
					21
					22
					23
					24
					25
					26
				2P BUBBLE	27
				2P JUMP	28
				1P BUBBLE	27
				1P JUMP	28



결재	담당	유임	과장
	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

DIP SW A 1 2 3 4 5 6 7 8

GAME SELECT NORMAL OFF
 SUPER ON

SCREEN NORMAL OFF
 REVERSE ON

TEST MODE NORMAL OFF
 TEST MODE ON

DEMO SOUND YES OFF
 NONE ON

COIN A 1COIN/1PLAY OFF OFF
 1COIN/2PLAY ON OFF
 2COIN/1PLAY OFF ON
 2COIN/3PLAY ON ON

COIN 2 1COIN/1PLAY OFF OFF
 1COIN/2PLAY ON OFF
 2COIN/1PLAY OFF ON
 2COIN/3PLAY ON ON

DIP SW B 1 2 3 4 5 6 7 8

DIFFICULT B OFF OFF
 A ON OFF
 C OFF ON
 D ON ON

BONUS 30K/100K OFF OFF
 20K/80K ON OFF
 40K/200K OFF ON
 50K/250K ON ON

PLAYER 3 OFF OFF
 100 ON OFF
 1 OFF ON
 2 ON ON

GAME SPEED HIGH OFF
 LOW ON

NOT USING

** ONLY B TYPE NUMBER
 8 DIP SW USE O.K
 DIP SW B MODE

7 8

SPEED HIGH OFF OFF
 1 ON OFF
 2 OFF ON
 3 ON ON



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재	남	일	장

BUBBLE II

SJ. 4/2

S-BUBBLE II
87/09/24

WIRING DIAGRAM

(A)

SOLDER SIDE

- 1 GND
- 2 RED
- 3 GREEN
- 4 SOUND OUT(-)
- 5 POST
- 6 +12V
- 7 COIN SW1
- 8 COIN METER(A)
- 9 COIN LOCKOUT(A)
- 10 SERVICE SW
- 11 SELECT-1
- 12
- 13
- 14
- 15 1P RIGHT
- 16 1P LEFT
- 17 GND
- 18 GND
- 19 +5V
- 20 +5V
- 21 2P BUBBLE
- 22 1P JUMP

PART SIDE

- 2P RIGHT
- 2P LEFT
- GND
- GND
- +5V
- +5V
- 2P BUBBLE
- 2P JUMP

(B)

SOLDER SIDE

- 1 GND
- 2 GND
- 3 GND
- 4 +5V
- 5 +5V
- 6 -5V
- 7 +12V
- 8 GREEN
- 9 RED
- 10
- 11 SOUND OUT(+)
- 12
- 13
- 14 COIN-A
- 15
- 16
- 17
- 18 1P START
- 19
- 20
- 21 1P RIGHT
- 22 1P LEFT
- 23
- 24
- 25
- 26
- 27 1P BUBBLE
- 28 1P JUMP

PART SIDE

- 2P START
- 2P RIGHT
- 2P LEFT
- 2P BUBBLE
- 2P JUMP

Bubble II

BOBBIE II

DIP SW A		1	2	3	4	5	6	7	8
=====									
GAME SELECT	NORMAL	OFF							
	SUPER	ON							
SCREEN	NORMAL		OFF						
	REVERSE		ON						
TEST MODE	NORMAL			OFF					
	TEST MODE			ON					
DEMO SOUND	YES				OFF				
	NONE				ON				
COIN A	1COIN/1PLAY					OFF	OFF		
	1COIN/2PLAY					ON	OFF		
	2COIN/1PLAY					OFF	ON		
	2COIN/3PLAY					ON	ON		
COIN 2	1COIN/1PLAY						OFF	OFF	
	1COIN/2PLAY						ON	OFF	
	2COIN/1PLAY						OFF	ON	
	2COIN/3PLAY						ON	ON	

DIP SW B		1	2	3	4	5	6	7	8
=====									
DIFFICULT	B	OFF	OFF						
	A	ON	OFF						
	C	OFF	ON						
	D	ON	ON						
BONUS	30K/100K			OFF	OFF				NOT USIG
	20K/80K			ON	OFF				
	40K/200K			OFF	ON				
	50K/250K			ON	ON				
PLAYER	3					OFF	OFF		
	100					ON	OFF		
	1					OFF	ON		
	2					ON	ON		
GAME SPEED	HT						OFF		
	LOW						ON		

** ONLY B TYPE NUMBER
8 DIP SW USE O.K
DIP SW B MODE

SPEED	HIGH							OFF	OFF
	1							ON	OFF
	2							OFF	ON
	3							ON	ON

BOBBIE II

BUBBLE BOBBLE
 ===== 86/11/28

WIRING DIAGRAM

PART SIDE		SOLDER SIDE
GND	1	GND
GND	2	RED
BLUE	3	GREEN
	4	SYNC
SOUND OUT(-)	5	SOUND OUT(+)
POST	6	POST
+12V	7	+12V
COIN SW2	8	COIN SW1
COIN METER(B)	9	COIN METER(A)
COIN LOCKOUT(B)	10	COIN LOCKOUT(A)
TILT SW	11	SERVICE SW
SELET-2	12	SELECT-1
	13	
	14	
2P RIGHT	15	1P RIGHT
2P LEFT	16	1P LEFT
GND	17	GND
GND	18	GND
+5V	19	+5V
+5V	20	+5V
2P BUBLE	21	1P BUBLE
2P JUMP	22	1P JUMP

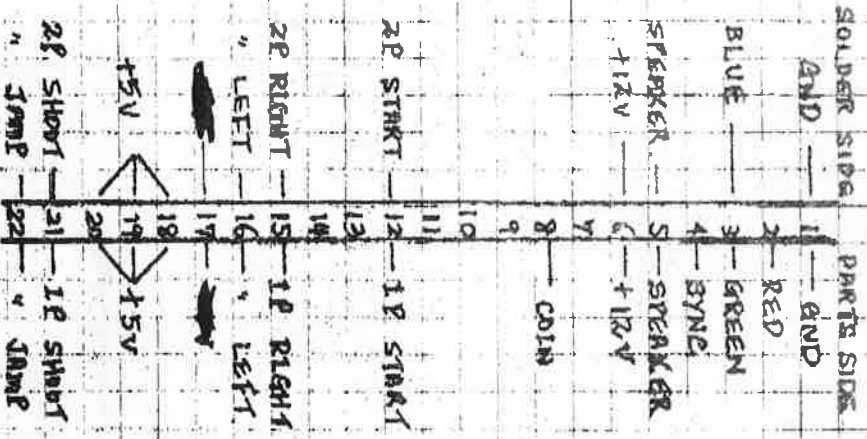
DIP SW A 1 2 3 4 5 6 7 8

=====							
JAPAN & EXPORT							
	JAPAN	OFF					
	EXPORT	ON					
SCREEN	NORMAL		OFF				
	INVERT		ON				
TEST MODE (POWER ON)							
	NORMAL			OFF			
	TEST MODE			ON			
ATTRACT SOUND							
	PRODUCED			OFF			
	NO PRODUCED			ON			
COIN 1	1COIN/1PLAY				OFF	OFF	
	1COIN/2PLAY				ON	OFF	
	2COIN/1PLAY				OFF	ON	
	2COIN/3PLAY				ON	ON	
COIN 2	1COIN/1PLAY					OFF	OFF
	1COIN/2PLAY					ON	OFF
	2COIN/1PLAY					OFF	ON
	2COIN/2PLAY					ON	ON

DIP SW B 1 2 3 4 5 6 7 8

=====							
DIFFICULT	B	OFF	OFF			OFF	OFF
	A	ON	OFF			OFF	OFF
	C	OFF	ON			OFF	OFF
	D	ON	ON			OFF	OFF
BONUS	30K/100K PTS/..			OFF	OFF	OFF	OFF
	20K/60K PTS/..			ON	OFF	OFF	OFF
	40K/200K PTS/..			OFF	ON	OFF	OFF
	50K/250K PTS/..			ON	ON	OFF	OFF
PLAYER	3					OFF	OFF
	5					ON	OFF
	1					OFF	ON
	2					ON	ON

BOBBLE BUBBLE



SETTING	POSITION	1	2	3	4	5	6	7	8
EXPLANATION FOR GAME RULES	ENGLISH	OFF	ON						
SCREEN INVERSION	NORMAL		OFF						
	INVERSION		ON						
	NORMAL GAME			OFF					
TEST MODE	TEST MODE			ON					
	PRODUCED				OFF				
	NO PRODUCED				ON				
ARRANGE SOUNDS	1 COIN 1 PLAY					OFF			
	1 " 2 "					ON			
	2 " 1 "					OFF			
	2 " 3 "					ON			
	1 COIN 1 PLAY						OFF		
	1 " 2 "						ON		
	2 " 1 "						OFF		
	2 " 1 "						ON		
	2 " 3 "							OFF	
	3 " 1 "							ON	
	1 " 1 "							OFF	
	2 " 1 "							ON	
	2 " 3 "								OFF
	3 " 1 "								ON
RAY PRICING	1 " 2 "							ON	
	2 " 1 "							OFF	
	2 " 1 "							ON	
	2 " 3 "								ON
SETTING	Position	1	2	3	4	5	6	7	8
GAME DIFFICULTY	A	OFF	OFF						
	B	ON	ON						
	C	OFF	ON						
	D	ON	ON						
DIFFICULTY				OFF	OFF				
				ON	ON				
Bonus Points	3000/10000PTS/1...			OFF	OFF				
	2000/3000PTS/1...			ON	ON				
	1000/2000PTS/1...			OFF	OFF				
	5000/25000PTS/1...			ON	ON				
number of	5					OFF			
	5					ON			
	1					OFF			
	2					ON			
							OFF		
							ON		
								OFF	
								ON	
									OFF
									ON

DIP SWITCH A

DIP SWITCH B