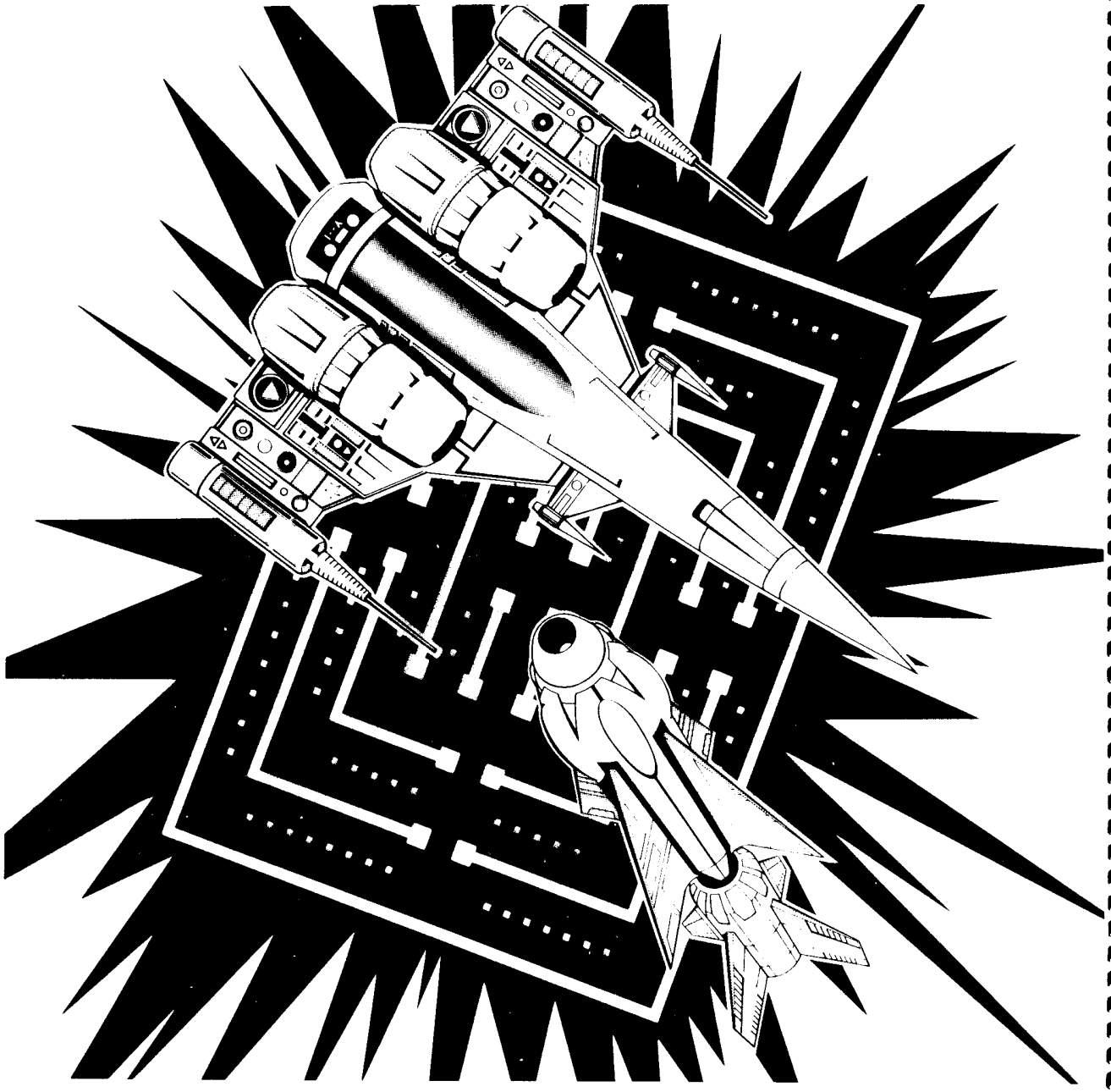
SPACE CHASER COLOR



AND PARTS CATALOG

TAITO

TAITO CORPORATION

RWO70006

NOTE.1 THE RELATION BETWEEN COIN AND CREDIT

	SW. 1							SW. 2							
	1	2	3	4	5	6	7	1	2	3	4	5	6	7	8
1 COIN 1 PLAY	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
2 COIN 1 PLAY	"	"	"	"	"	"	"	OFF	ON	OFF	"	"	"	"	"
3 COIN 1 PLAY	"	"	"	"	"	"	"	"	OFF	ON	"	"	"	"	"
4 COIN 1 PLAY	"	"	"	"	"	"	"	"	OFF	OFF	ON	"	"	"	"
1 COIN 2 PLAY	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
1 COIN 3 PLAY	OFF	ON	"	"	"	"	"	"	"	"	"	"	"	"	"	"
1 COIN 4 PLAY	ON	ON	"	"	"	"	"	"	"	"	"	"	"	"	"	"

5. Playing Instruction

- o One or two players can play.
- o Insert coin(s), and select one or two player game.
  1 coin - 1 play ... 3 Spaceships (Adjustable)
  2 coins - 2 plays(1 - player game)
  1 play (2 - player game)
- o Spacehip (yellow)  and chaser Missile  will appear on the screen.
- o Control the Spacehip by using the Control Lever and clear dots (■) without colliding into oncoming chaser missiles.
- o By pushing the Thrust Button, the Spaceship can be some distance ahead of the Chaser Missile, but the fuel and bonus points decrease.
- o In two player mode, the play alternates between the two.

Functional Description of Game:

- o Points for a dot increase by 10 points per frame (up to 90 points) every time all dots in a frame have been creared. (Bonus points will be added.)
- o The bonus points are 4,000 points at the game atart, and will decrease by pushing the Thrust Button.
- o Green Zone will appear on the course for accelerating the Chaser Missiles.
- o The second Chaser Missile will appear when the score reaches 10,000 points,
- o Game ends when the lest Spaceship is distroyed by the Chaser Missile.
- o The high-scorer's name can be registered on the screen. Any waony wording can be cancelled by pushing the Name Reset Button, but the high score will not be cancelled.

Method:

(1) The alphabets ("A"-"Z"), "RUB", and "END" will be displayed on the screen. By moving the contrl lever, move the red underline to the alphabet one by one so that the high-scorer's name can by spelled.

(2) An alphabet on the red underline can be resistered at a time on the screen by pushing the thrust button.

"RUB" ... If any wrong alphabet has been registered, move the red underline to the word "RUB" , and push the thrust button so that the alphabet will be canceled.

"END" ... When finishing the high-scorer's name registration move the red underline to the word "END" and push the thrust button.

(3) The high-scorer's name register can mode within one and half minutes. After one and half minutes passed, the registration will be automalically stopped.
(In total. ten alphabets can be registered.)

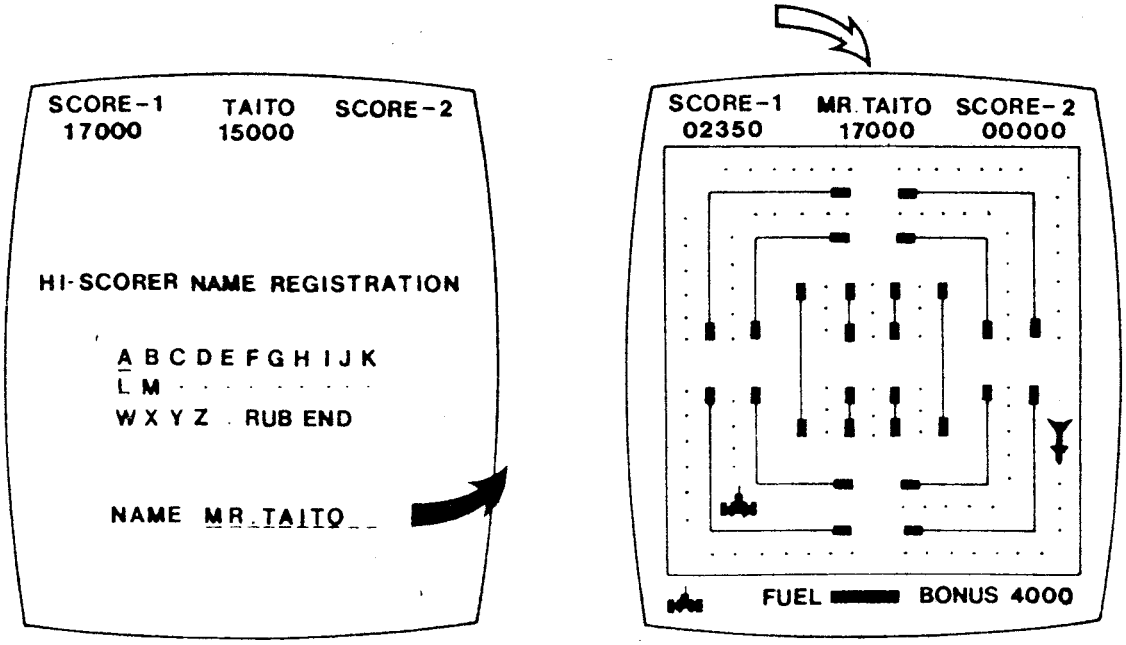


Fig.3

6. Adjustments on Switching Regulator PC Board

(See Fig. 4)

Caution: The line voltages should be set within the limit. Failure to do so may result in destruction of the IC's.

o To check the output voltage, measure them on the G-connector or the T-connector.
(See the attaching cable Block Diagram NO. AAR00196.)

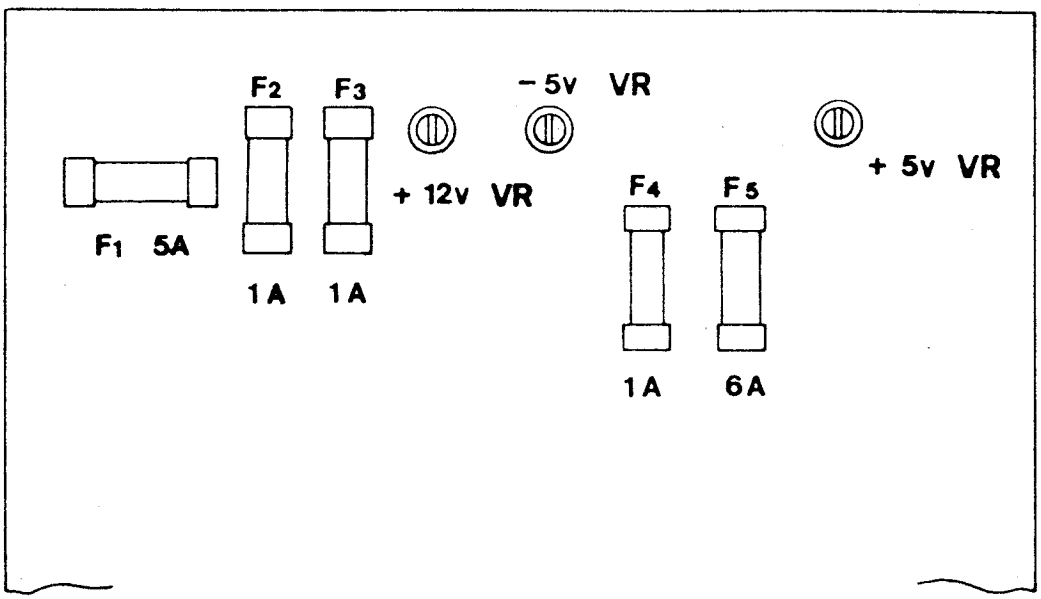


Fig. 4

o +5V VR ... Pot for adjusting +5V DC line voltage
(Adjustment range: +4.5V to +5.5V DC)
Set approx. +5V.

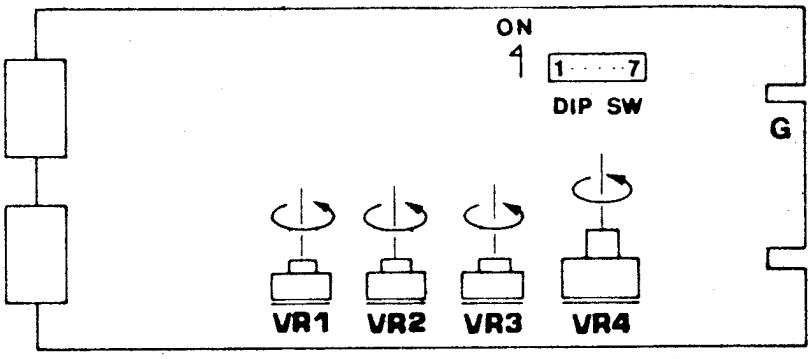
o -5V VR ... Pot for adjusting -5V DC line voltage
(adjustable range: -5.5V to -4.5V DC)
Set approx. -5V.

(When the +5V line hes no load, this -5V voltage is not present on the line.)

o +12V VR ... Pot for adjusting +5V DC line voltage
(Adjustable range: +10.8V to +13.2V DC)
Set approx. +12V.

7. Adjustments on Game PC Board (See Fig. 5and Table 1)

o To decrease the sound, turn each pot (VR1 -VR4) to the derection shown below with arowheads.



Fig,5

VR1 ... Pot for adjusting the music sound

VR2 ... Pot for adjusting the effect sound and the explosion sound

VR3 ... Pot for adjusting the dot - hitting sound

VR4 ... Pot for adjusting the total sound

Change-over of DIP Switches;

o SW1,SW2 ..Switches for changing the number of spaceships

SW 1	ON	OFF	ON	OFF
SW 2	ON	ON	OFF	OFF
Number of Spaceships	3	4	5	6

Table.1

These switches have been preset at "ON" position at the factory. (3 spaceships at the game start)

o SW3-SW6 ..Switches for adjusting solid-state modules
These switches are for factory adjustments, and all of them should be set at "ON" position.

o SW7 ..... Switch for rotating images on the screen
When the switch is set at "OFF" position, the images on the screen will be rotated
This switch should be set at "ON" position.

8. Adjustments on Color Video Monitor (See Fig. 6)

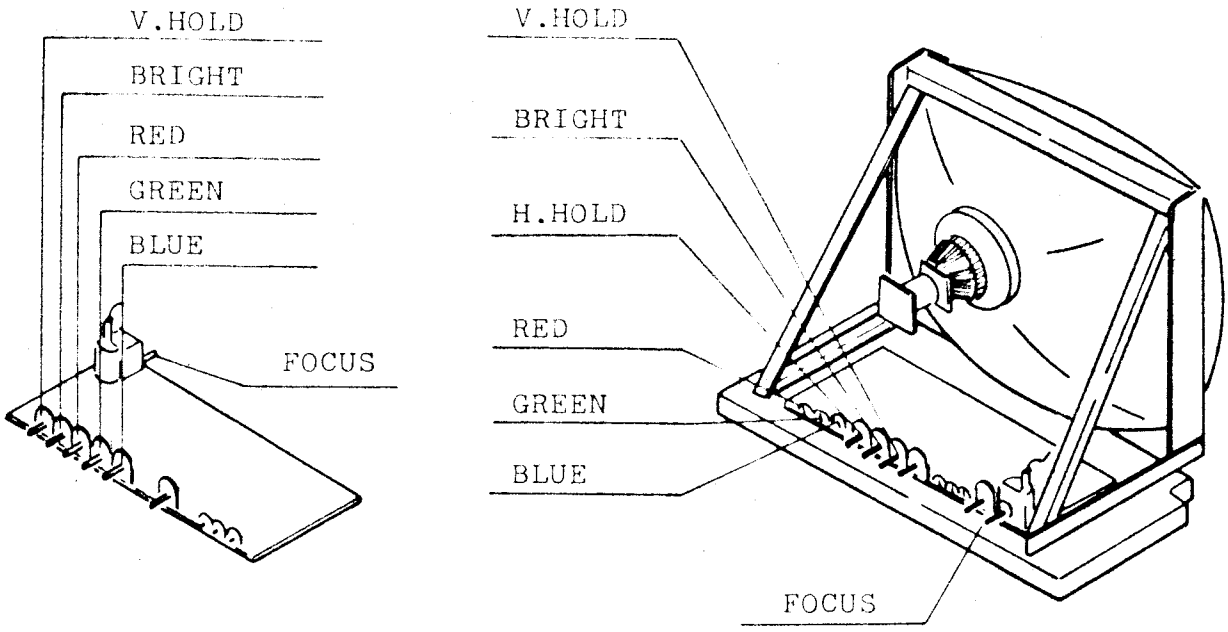


Fig. 6

The video monitor is properly adjusted before shipping, however, if necessary, seadjust as follows:

Caution: Carful adjustments are reguired for the H.Hold and the V.Hold adjustments.

o Horizontal Hold
  Adjust the H.HOLD control if the picture is warpped or broken into diagonal lines.

o Vertical Hold
  Adjust the V.HOLD control if the picture rolls vertically across the screen.

o Screen Brighness
  Adjust the BRIGHT control to keep the screen clear.

o FOCUS ... Screen Focus Control

o RED, GREEN, and BLUE ... Color Controls

Note: (1) Color aberration may occur depending on the setting condition of the machine. In that case, use a degsussing device. Keep magnet away from the screen, otherwise, it may result in color aberration.

(2) **The color video monitor of Taito "SPACE CHASER" is for exclusive use, therefore, it can not be replaced with that of other models.**

9. Adjustments of Supply Voltage (See Fig. 7)

If the voltage of the power supply is low, the picture on the screen sometimes gluckers. In that case, change the connection of the power transformer terminals in the cabinet. This adjustment is obtained by using the change-over switch.

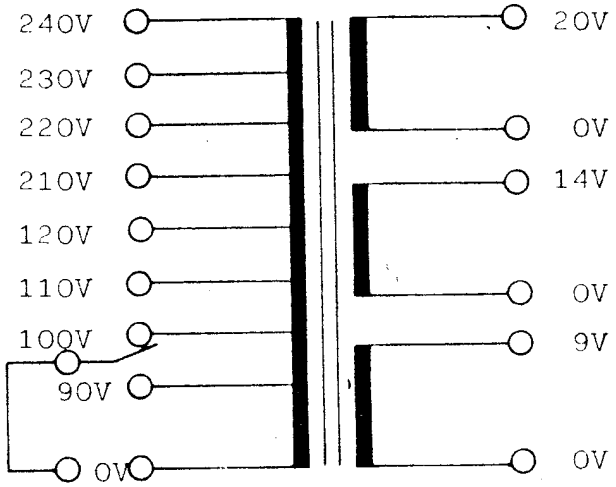


Fig. 7

10. Typical Picture During Play (See Fig.8)

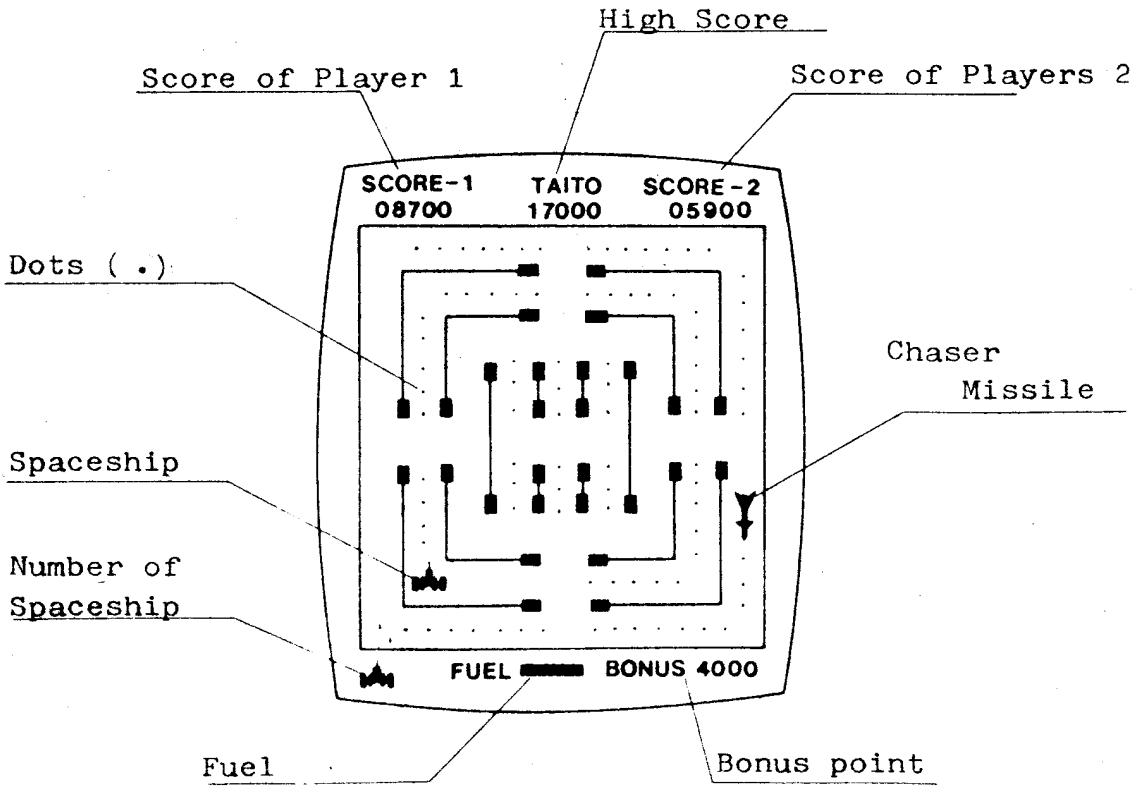
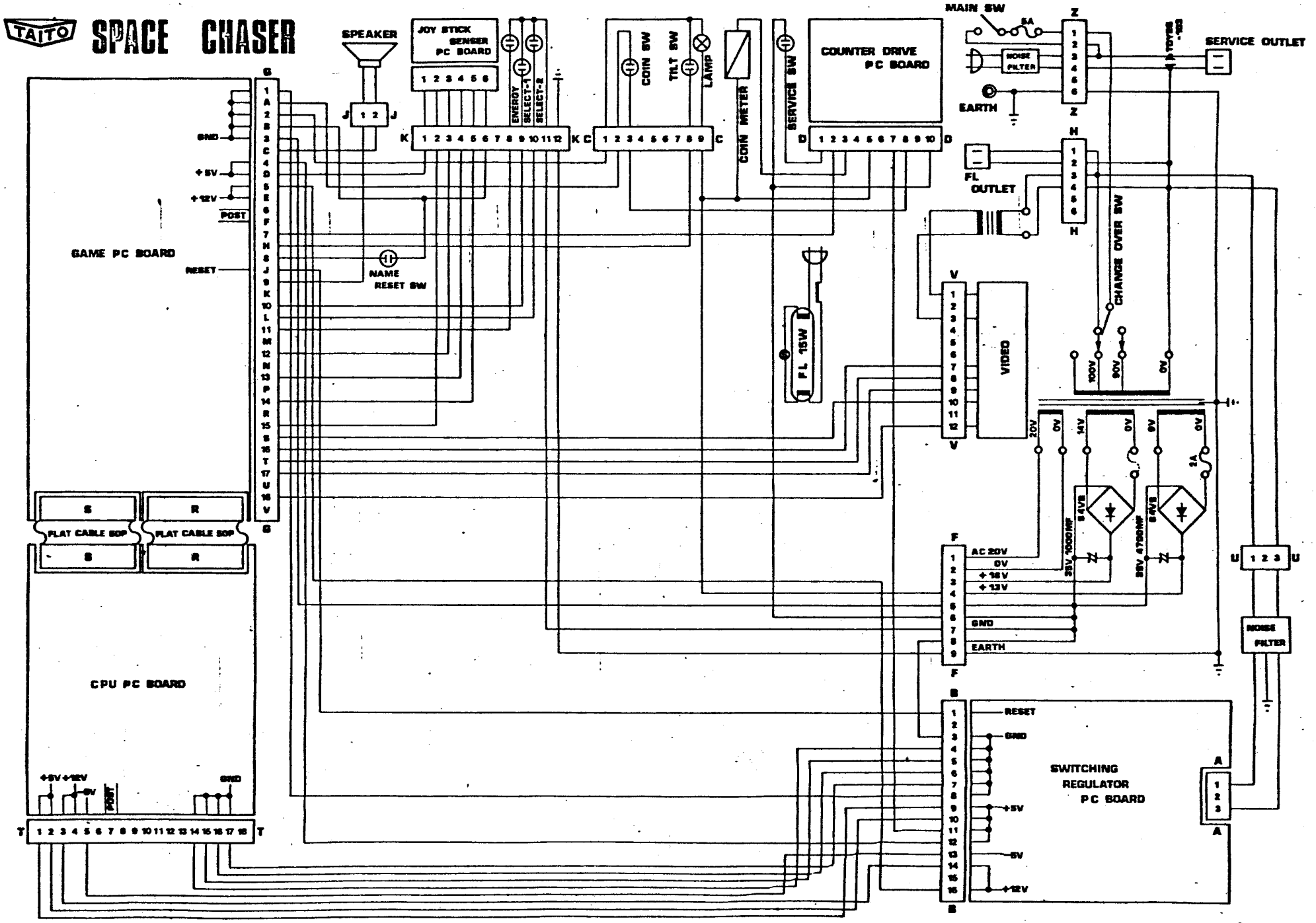
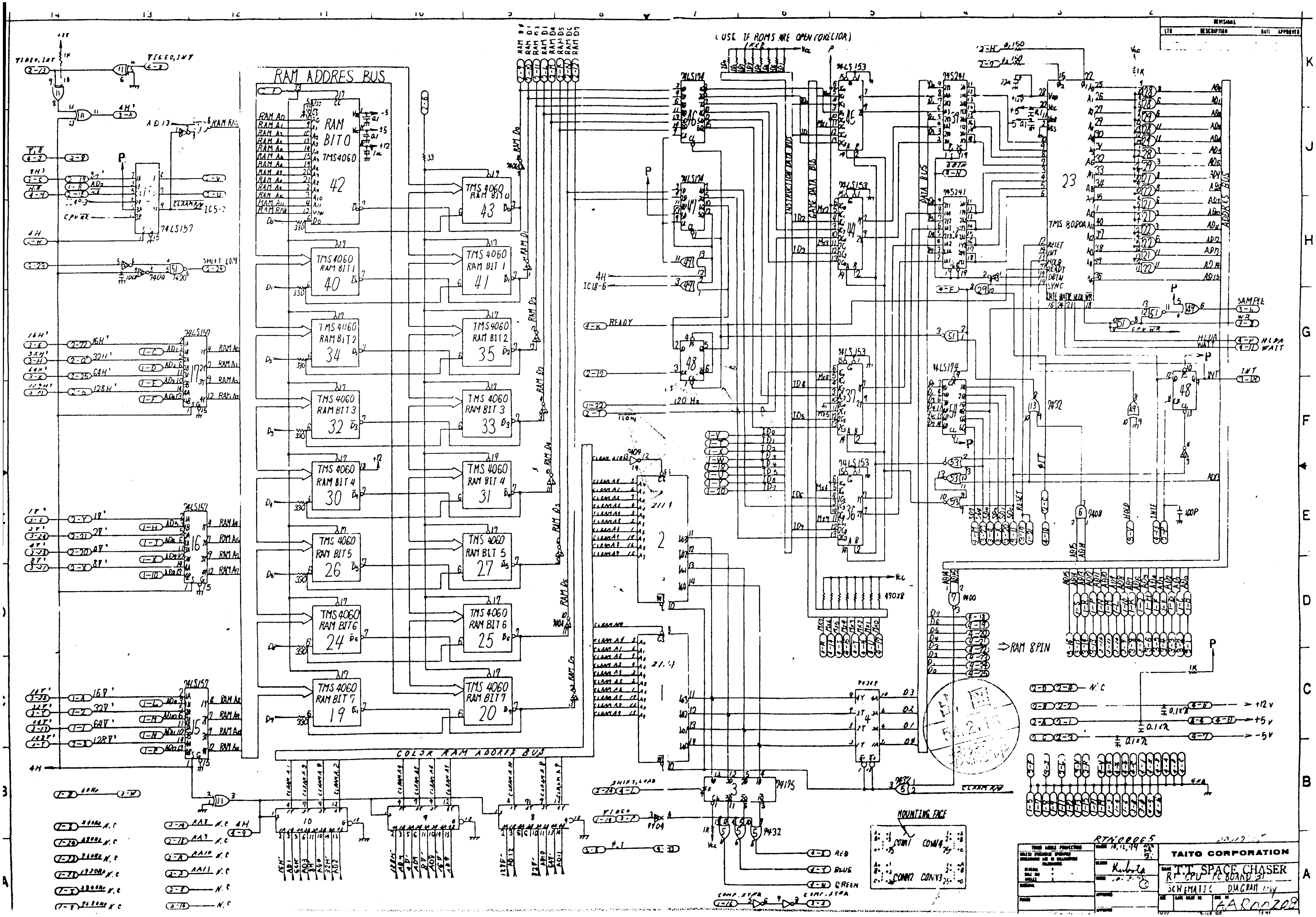


Fig. 8


TAITO
SPACE CHASER
SPEAKER
JOY STICK SENSER PC BOARD
COIN SW
TILT SW
LAMP
COIN METER
SERVICE SW
COUNTER DRIVE PC BOARD
MAIN SW
5A
NOISE FILTER
EARTH
SERVICE OUTLET
FL OUTLET
CHANGE OVER SW
GAME PC BOARD
GND
+5V
+12V
POST
RESET
NAME RESET SW
FL 15W
VIDEO
FLAT CABLE 50P
CPU PC BOARD
AC 20V
0V
+16V
+13V
GND
EARTH
SWITCHING REGULATOR PC BOARD
RESET
GND
+5V
-5V
+12V
AAR00196



RAM ADDRES BUS
COLOR RAM ADDRES BUS
(USE IF ROMS ARE OPEN COLECTOR)
INSTRUCTION DATA BUS
DATA BUS
ADDRES BUS
TMS 8080A
TMS 4060 RAM BIT 0
TMS 4060 RAM BIT 1
TMS 4060 RAM BIT 2
TMS 4060 RAM BIT 3
TMS 4060 RAM BIT 4
TMS 4060 RAM BIT 5
TMS 4060 RAM BIT 6
TMS 4060 RAM BIT 7
74LS157
74LS153
74LS174
74S241
74195
READY
SAMPLE
HLDA
WAIT
INT
RAM 8PIN
MOUNTING FACE
RED
BLUE
GREEN
TAITO CORPORATION
T.T. SPACE CHASER
CPU PC BOARD
SCHEMATIC DIAGRAM

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

RAM A/W

VIDEO INV

CLOCK(12H)

H' BUS LINE

V' BUS LINE

RAM ADDRES BUS LINE

RAM OUT DATA BUS LINE

DATA BUS LINE

SHIFT LOAD

INSTRACTION DATA BUS LINE

ADDRES BUS LINE

GAME DATA BUS LINE

MOUTING FACE

RTNCC003

TAITO CORPORATION	
C.P.U. P.C BOARE	
SCHMATIC DIAGRAM	
9,11 '89	Kubota
41	AABR00198

DIP. SW 7P (SEE NOTE.1)

SAMPLE

COIN

TILT

1P. START

2P. START

NAME RESET

1P. ENERGY

2P. ENERGY

1P. RIGHT

2P. RIGHT

1P. DOWN

2P. DOWN

1P. LEFT

2P. LEFT

1P. UP

2P. UP

MB14241

74153 x4

74161 x2

HM7643

SN76477

MB3712

COMP SYNC

RED

GREEN

BLUE

VIDEO OUT

VIDEO INV.

COIN LOCK OUT(+)

COIN LOCK OUT(-)

S.P(+)

S.P(-)

MOUNTING FACE

NOTE.1
DIP. SWITCH NUMBER.7
ON ---- UP RIGHT TYPE
OFF ---- TABLE TYPE

TAITO CORPORATION

T.T. SPACE CHASER
RTOMCE P.C BOARD
SCHEMATIC DIAGRAM

RTR00001

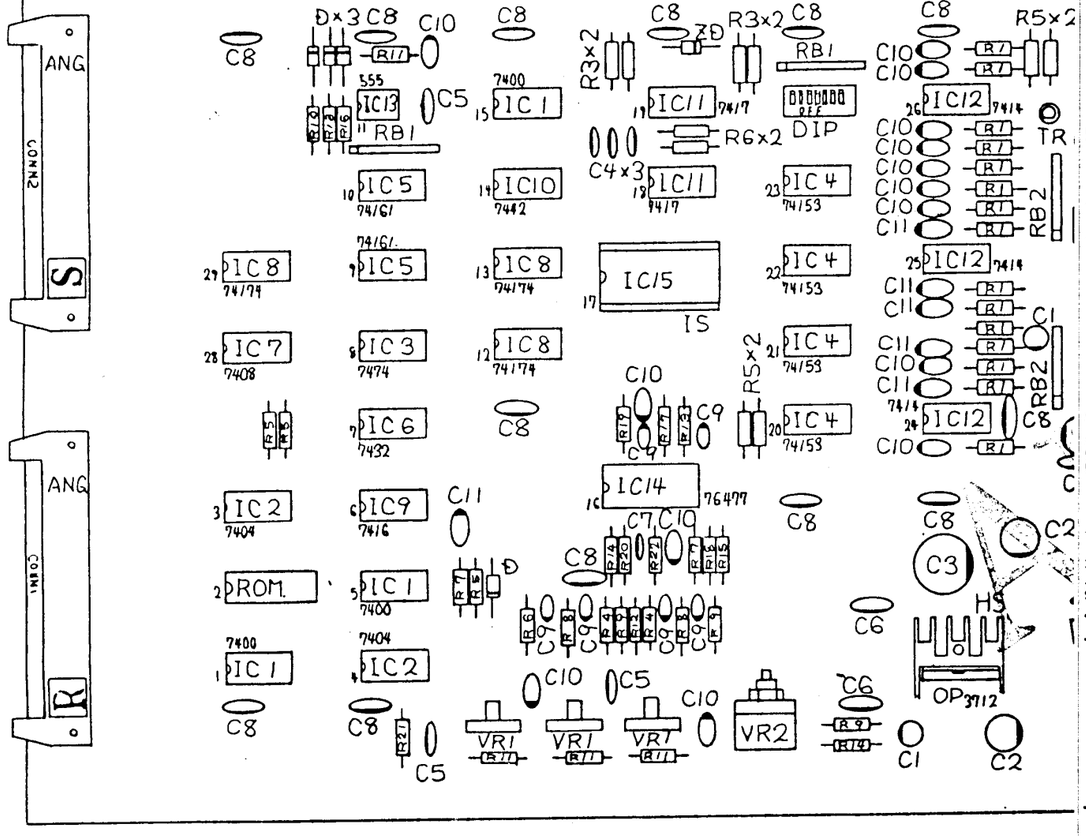
8.8.79

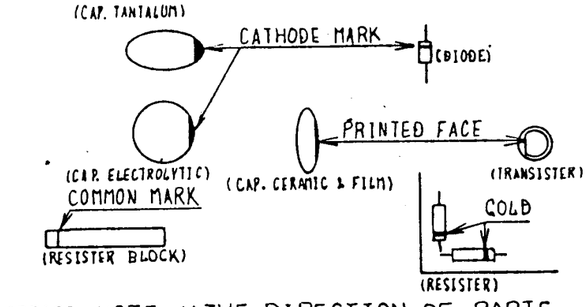
J. Shimada

DO NOT SCALE DRAWING

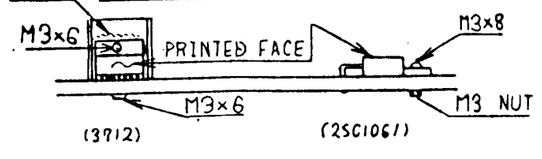
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

X-TAL 19.968MHz
330
330
1MΩ
74160
74LS42A
+12V
0.1
1μ
75365
74154
74174
74161
74LS83
74LS26
74LS25
74LS83
74LS29
74LS28
74166
74166
74157
74174
74161
74174
74161
74174
74161
LS555
GAME BOARD VIDEO INVERTER
VIDEO INV
1K
4.7Ω
470p
330p
220p
120Hz
330p
+15V
+12V
+5V
10μ
1K
1K
25V 10μ
SHIFT LOAD
COMP SYNK
VIDEO OUT
RESET
ROM ADDRES BUS
INSTRUCTION DATA BUS
ROM#1 36
ROM#2 31
ROM#3 37
ROM#4 32
ROM#5 38
ROM#6 33
ROM#7 39
ROM#8 34
ROM#9 40
ROM#10 41
ROM#11 35
1KX8 (USE IF ROMS ARE OPEN COLLECTOR)
N.C
N.C
7H POST
CONN1 CONN1
RTN00004
AA0017768
THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES
TOLERANCES
DO NOT SCALE DRAWING
DRAWN 19.4.79 Kubota
DESIGN Kubota
CHECK 10.12.79
APPROVED
APPROVED
TAITO CORPORATION
NAME T.T SPACE CHASER CPU PC BOARD(N) SCHEMATIC DIAGRAM
SIZE A
CODE IDENT NO.
DWG. NO. AAR00207
SCALE
RELEASE DATE
SHEET





GREASE NOTE-1) THE DIRECTION OF PARTS



NOTE-2) HOW TO MOUT PARTS

70	RB2	AAT 55039	RESISTER BLOCK,	10KOHM 8elements	2
69	RB1	" 55036	RESISTER BLOCK,	1KOHM 8elements	2
68	VR2	" 53047	VARIABLE RESISTER,	B-50K RV/GYP	1
67	VR1	" 53041	VARIABLE RESISTER,	B-50K	3
66	R22	" 51845	RES.,CARBON,	2.2MOHM 1/4W ±5%	1
65	R21	" 51829	" " "	470K " " "	1
64	R20	" 51825	" " "	330K " " "	1
63	R19	" 51821	" " "	220K " " "	1
62	R18	" 51820	" " "	200K " " "	1
61	R17	" 51815	" " "	120K " " "	1
60	R16	" 51811	" " "	82K " " "	1
59	R15	" 51809	" " "	68K " " "	1
58	R14	" 51805	" " "	47K " " "	2
57	R13	" 51803	" " "	39K " " "	2
56	R12	" 51801	" " "	33K " " "	1
55	R11	" 51796	" " "	20K " " "	4
54	R10	" 51793	" " "	15K " " "	1
53	R 9	" 51789	" " "	10K " " "	3
52	R 8	" 51785	" " "	8.8K " " "	2
51	R 7	AAT 51782	RES.,CARBON,	4.7KOHM 1/4W ±5%	2
ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		QTY PER UNIT

50	R 6	AAT 51772	RES.,CARBON, 2KOHM 1/4W ±5%	3
49	R 5	" 51765	" " " 1K " " "	7
48	R 4	" 51759	" " " 560 " " "	2
47	R 3	" 51751	" " " 270 " " "	4
46	R 2	" 51741	" " " 100 " " "	4
45	R 1	" 51737	RES.,CARBON, 68OHM 1/4W ±5%	15
44	C11	" 41430	CAP.,TANTALUM, SSG25-10F	6
43	C10	" 41436	" " " SSG35-1F	14
42	C 9	" 41431	" ,TANTALUM, SSG35-0R1F	6
41	C 8	" 41672	" ,CERAMIC, SC45F-1H-1042 50V	15
40	C 7	" 41334	" ,CERAMIC, DT-205 470PF 50V	1
39	C 6	" 41244	" ,FILM , TDY-1H-104	2
38	C 5	" 41238	" " " TDY-1H-103	3
37	C 4	" 41232	" ,FILM , TDY-1H-102	3
36	C 3	" 41040	" ,ELECTROLYTIC, 25VB-1000	1
35	C 2	" 41036	" " " 25VB-100	4
34	C 1	AAT 41035	CAP.,ELECTROLYTIC, 25VB-47	2
33	ROM	RTO 90006	P-ROM , RTO6 (4K)	1
32	IC15	AAT 37001	CUSTOM I.C , MB14241	1
31	IC14	" 32141	TTL I.C , 76477	1
30	IC13	" 32019	" " NE555V	1
29	IC12	" 32054	" " 7414	3
28	IC11	" 32049	" " 7417	2
27	IC10	" 32039	" " 7442	1
26	IC 9	" 32033	" " 7416	1
25	IC 8	" 32029	" " 74174	3
24	IC 7	" 32023	" " 7408	1
23	IC 6	" 32021	" " 7432	1
22	IC 5	" 32018	" " 74161	2
21	IC 4	" 32017	" " 74153	4
20	IC 3	" 32011	" " 7474	1
19	IC 2	" 32003	" " 7404	2
18	IC 1	AAT 32001	TTL I.C , 7400	3
17			PAN HD SCREW, M3×6	1
16	OP	AAT 31042	OP AMPLIFER , MB3712	1
15	ZD	" 13028	ZENER DIODE , RD-9A	1
14	D	AAT 12025	DIODE , 1S1588	4
13			NUT , M3	1
12			PAN HD SCREW, M3×8	1
11	TR2	AAT 11030	TRANSISTER , 2SC1061	1
10	TR1	AAT 11020	TRANSISTER , 2SC372	1
9	IS	AAO 55787	I.C SOCKET , 24PIN	1
8	ANG	" 55154	ANGLE PIN HEADER, PS-50PA	2
7	DIP	" 52560	DIP SWITCH , DSS-7	1
6	S	" 17662	CONNECTOR STICKER , S	1
5	R	" 17659	" , R	1
4	G	AAO 17632	CONNECTOR STICKER , G	1
3			PAN HD SCREW , M3×6	1
2	HS	AAO 14520	HEAT SINK	1
1		RTO 70001	RT-GAME P.C BOARD	1
ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY PER UNIT

PRESS THE SERIAL NO.

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

PARTS LIST

THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES
DRAWN 8.23.79
DESIGNED Kubota
CHECKED
APPROVED
APPROVED
DO NOT SCALE DRAWING

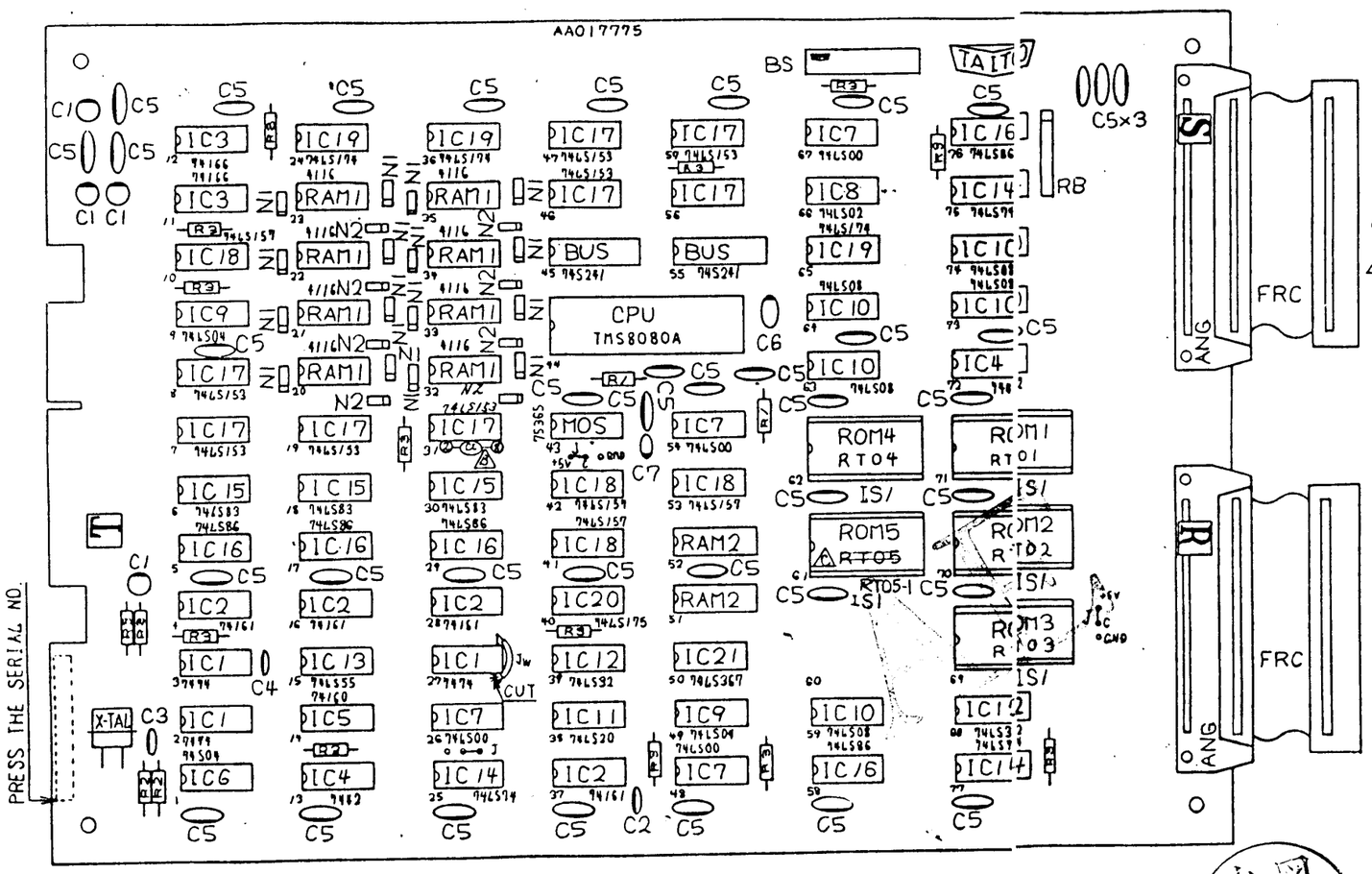
TAITO CORPORATION

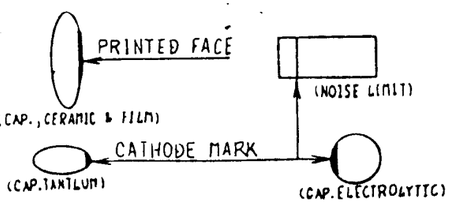
NAME T.T SPACE CHASER R-T-GAME P.C BOARD Assy

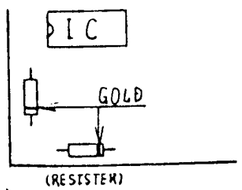
SIZE A2 | CODE IDENT NO. | DWG NO RTN 0000/

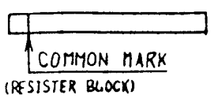
SCALE | RELEASE DATE | SHEET

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	P-11-7 · 1 POINT	10.4.79	
B	P-11-10 · 2POINT	10.9.79	
C	P-11-18 · 3POINT	11.5.79	









NOTE) THE DIRECTION OF PARTS

58	ROM5	RT0 90032	P-ROM RT05-1	1	
57		AAT 41334	CAP., CERAMIC, 470PF (REPAIR PARTS)	1	
56					
55	Jw		JUMPER WIRE, Y 100mm		
54	J		TINNED COPPER WIRE 1Φ200mm		
53	FRC	AAR 00215	F.F.C.-Harness Assy 50P	2	
52	N2	AAT 61020	NOISE LIMIT, CS90E-1E-1R500-R58	8	
51	N1	AAT 61019	NOISE LIMIT, CS90E-1A-3R300-R58	16	
PARTS NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY PER MCH	

50	RB	AAT 55041	RESISTER BLOCK 470ohm 8elements	1
49	R3	· 51765	RES.,CARBON, 1Kohm ±5% 1/4W	15
48	R2	· 51753	· , · , 330 · · ·	2
47	R1	· 51745	RES.,CARBON, 150ohm ±5% 1/4W	2
46	C7	· 41425	CAP.,TANTALUM, SSG25-1F	1
45	C6	· 41424	· ,TANTALUM, SSG16-22F	1
44	C5	· 41672	· ,CERAMIC, SC45F1H1042 50V 0.1uF	39
43	C4	· 41334	· , · , DT-205 470PF 50V	1
42	C3	· 41324	· , · , DT-203 180PF 50V	1
41	C2	· 41318	· ,CERAMIC, DT-201 100PF 50V	2 F
40	C1	AAT 41032	CAP.,ELECTROLYTIC, 25VB-10	4
39	ROM5	RT0 90005	P-ROM, RT05 , 16K	0 F
38	ROM4	· 90004	· , RT04 , ·	1
37	ROM3	· 90003	· , RT03 , ·	1
36	ROM2	· 90002	· , RT02 , ·	1
35	ROM1	RT0 90001	P-ROM, RT01 , 16K	1
34	MOS	AAT 35002	MOS DRIVER ,SN75365	1
33	BUS	· 35001	BUS DRIVER , 74S241	2
32	CPU	· 34001	C.P.U , TMS8080A	1
31	IC21	· 33203	L.S I.C , 74LS367	1
30	IC20	· 33128	· , 74LS175	1
29	IC19	· 33127	· , 74LS174	3
28	IC18	· 33112	· , 74LS157	4
27	IC17	· 33108	· , 74LS153	8
26	IC16	· 33062	· , 74LS86	5
25	IC15	· 33059	· , 74LS83	3
24	IC14	· 33051	· , 74LS74	3
23	IC13	· 33043	· , 74LS55	1
22	IC12	· 33027	· , 74LS32	2
21	IC11	· 33019	· , 74LS20	1
20	IC10	· 33009	· , 74LS08	5
19	IC 9	· 33005	· , 74LS04	2
18	IC 8	· 33003	· , 74LS02	1
17	IC 7	· 33001	L.S I.C , 74LS00	4
16	RAM2	· 32156	STATIC RAM , 2114-4	2
15	RAM1	· 32153	DYNAMIC RAM, TMS4116-25	8
14	IC6	· 38003	TTL I.C , 74S04	1
13	IC5	· 32086	· , 74160	1
12	IC4	· 32039	· , 7442	2
11	IC3	· 32028	· , 74166	2
10	IC2	· 32018	· , 74161	4
9	IC1	AAT 32011	TTL I.C , 7474	3
8	X-TAL	AAO 69539	X-TAL , 19.968MHz	1
7	IS1	· 55787	I.C SOCKET, 24PIN	5
6	ANG	· 55154	ANGLE PIN HEADER, PS-50PA	2
5	T	· 17665	CONNECTOR STICKER, T	1
4	S	· 17662	· , S	1
3	R	AAO 17659	CONNECTOR STICKER, R	1
2	BS		P.C BOARD STICKER	1
1		AAO 17775	C.P.U P.C BOARD	1
ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY PER MCH

PARTS LIST

THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES
TOLERANCES
GENERAL ±
HOLE DIA + −
ANGLES ±
MATERIAL
FINISH
DO NOT SCALE DRAWING

DRAWN 7.31.79
DESIGN Kubota
CHECK
APPROVED
APPROVED

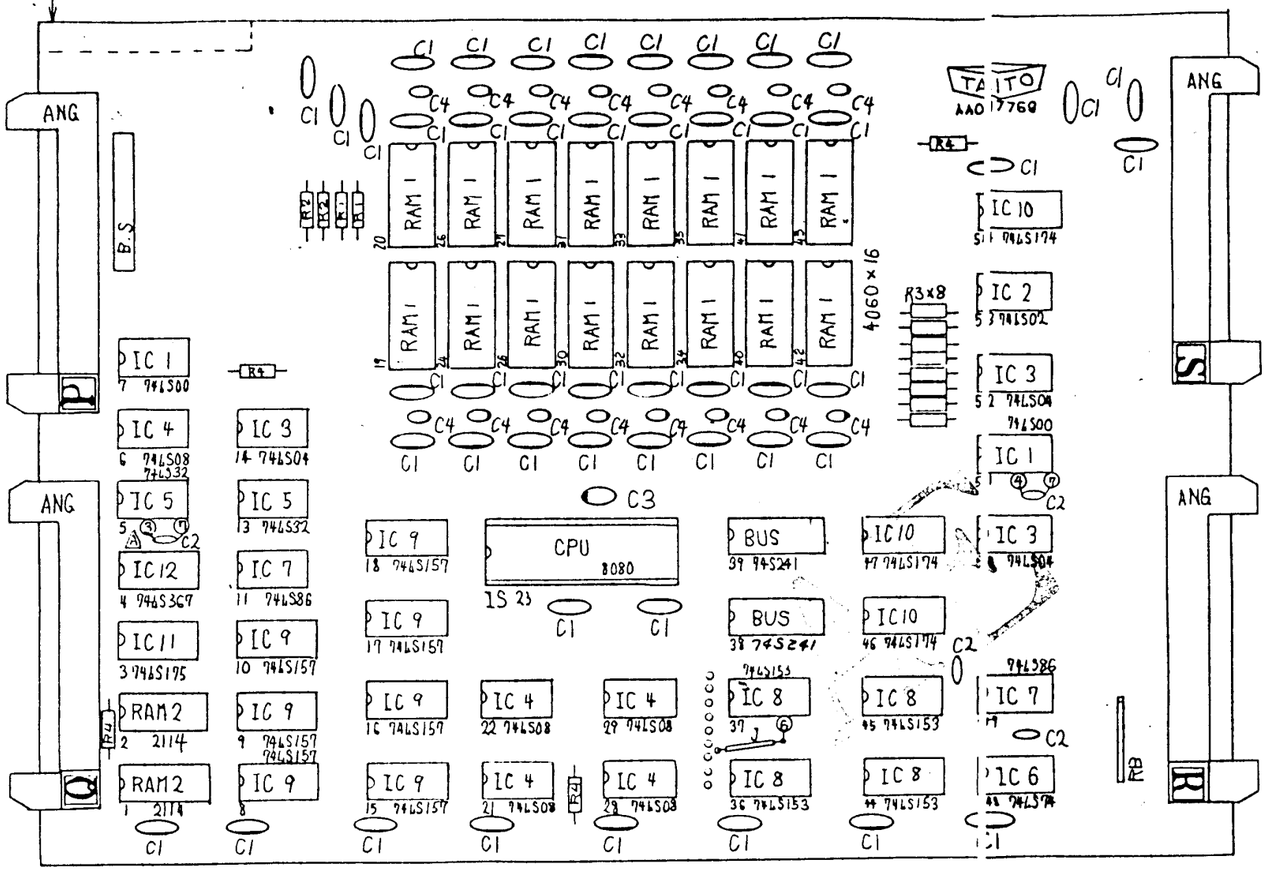
TAITO CORPORATION

NAME T.T. SPACE CHASER
R.T C.P.U. P.C BOARD
Assy

DWG NO. RTN00003
SCALE
RELEASE DATE
SHEET

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

PRESS THE SIRIAL NO



PRINTED FACE

(CAP., CERAMIC & TANTLUM)

COMMON MARK

NOTE-1) PRINTED FACE

CATHODE MARK

(CAP. TANTLUM)

NOTE-2) CATHODE MARK

NOTE-3) RESISTOR BLOCK

GOLD

NOTE-4) RESISTOR CARBON

ITEM NO	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQD
47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35				
34	J		JUMPER WIRE, Y 1Φ 100mm	
33	RB	AAT 55041	RESISTOR BLOCK, 470 OHM 8 elements	1
32	R4	" 51765	RES., CARBON, 1K OHM 1/4W ±5%	4
31	R3	" 51753	" " " 330 OHM " "	8
30	R2	" 51745	" " " 150 OHM " "	2
29	R1	" 51729	RES. CARBON, 330HM 1/4W ±5%	2
28	C4	" 41425	CAP. TANTLUM, SSG 25-1F	16
27	C3	" 41424	" TANTLUM, SSG 16-22F	1
26	C2	" 41318	" CERAMIC, DT-201 100PF 50V	34
25	C1	" 41244	CAP. FILM, TDY-1H-104	49
24	BUS	" 35001	BUS DRIVER, 74S241	2
23	CPU	" 34001	C.P.U, TMS8080	1
22	IC12	" 33203	LS I.C, 74LS367	1
21	IC11	" 33128	" " 74LS175	1
20	IC10	" 33127	" " 74LS174	3
19	IC9	" 33112	" " 74LS157	7
18	IC8	" 33108	" " 74LS153	4
17	IC7	" 33062	" " 74LS86	2
16	IC6	" 33051	" " 74LS74	1
15	IC5	" 33027	" " 74LS32	2
14	IC4	" 33009	" " 74LS08	5
13	IC3	" 33005	" " 74LS04	3
12	IC2	" 33003	" " 74LS02	1
11	IC1	" 33001	LS I.C, 74LS00	2
10	RAM2	" 32156	STATIC RAM, 2114N	2
9	RAM1	AAT 32091	DYNAMIC RAM, TMS4060NL (4K)	16
8	IS	AAQ 55812	I.C SOCKET, 40PIN	1
7	ANG	" 55154	ANGLE PIN HEADER, PS-50PA	4
6	S	" 17662	CONNECTOR STICKER, S	1
5	R	" 17659	" " R	1
4	Q	" 17656	" " Q	1
3	P	AAQ 17653	CONNECTOR STICKER, P	1
2	BS	RTO 10020	P.C BOARD STICKER	1
1		AAQ 17769	C.P.U P.C BOARD (B)	1

PARTS LIST

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES TOLERANCES

DO NOT SCALE DRAWING

DRAWN 10,5,79

DESIGN Kuroda 10.5.79

CHECK 10.8.79

APPROVED

APPROVED

TAITO CORPORATION

NAME T.T. SPACE CHASER R.T C.P.U P.C BOARD (B) Ass'y

SIZE A2

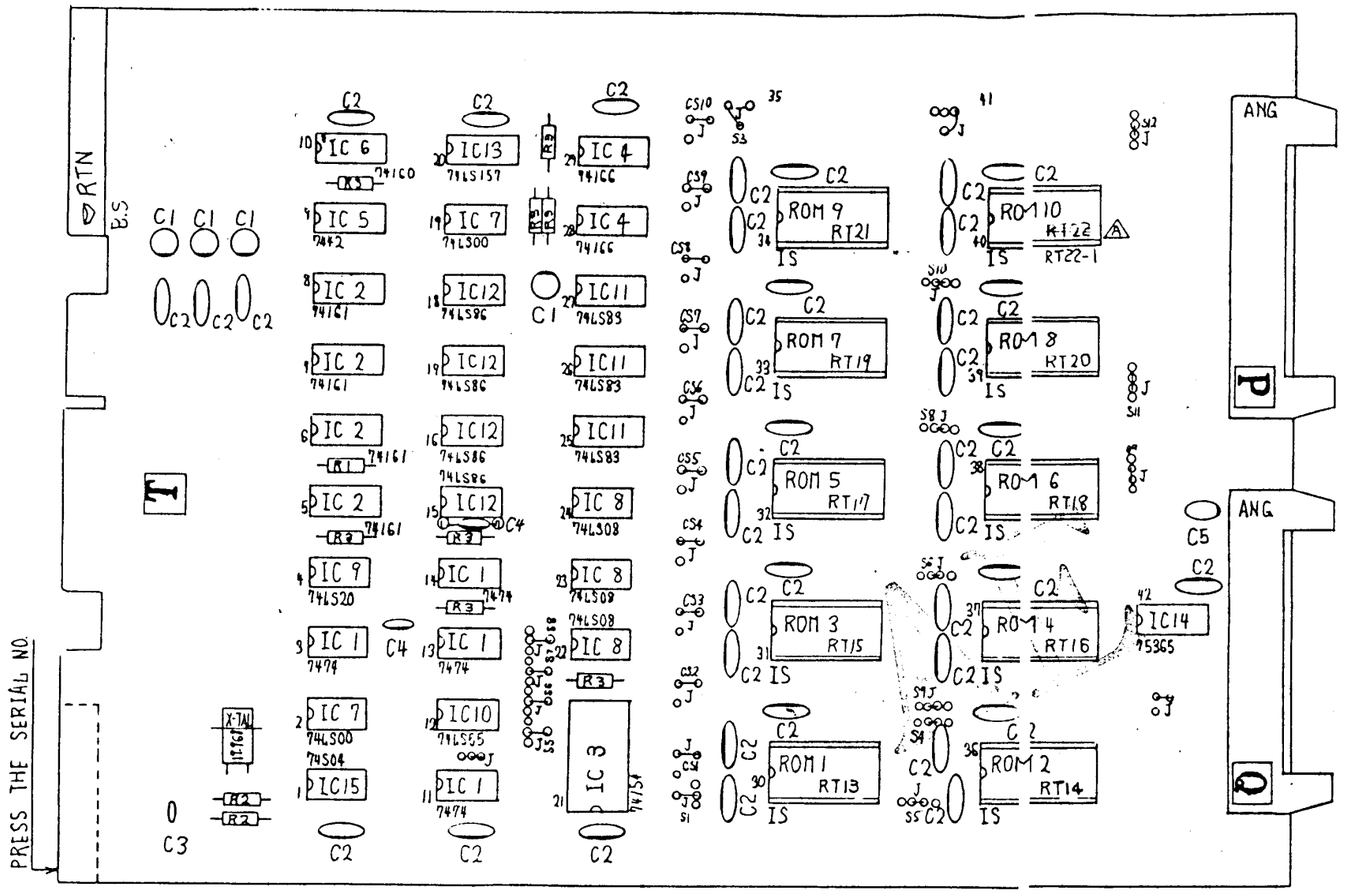
DWG. NO. RTN00005

SCALE

RELEASE DATE

SHEET

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	3POINT · P-11-79	11/5.79	



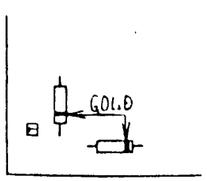
CATHODE MARK

(CAP. TANTLUM) (CAP. ELECTROLYTIC)

NOTE-1) CATHODE MARK

PRINTED FACE

NOTE-2) CAP. CERAMIC & FILM



NOTE-3) RESISTER

54.2.18

ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQD
47				
46				
45				
44				
43	ROM10	RTO 90031	P-ROM , RT22-1 (2708)	1
42	J		TINNED COPPER WIRE	200mm
41	R3	AAT 51765	RES. CARBON, 1KOHM 1/4W ±5%	8
40	R2	, 51753	, , 330 , , ,	2
39	R1	, 51733	RES. CARBON 47OHM 1/4W ±5%	1
38	C5	, 41436	CAP. TANTLUM, SSG35-1F	1
37	C4	, 41334	, CERAMIC, DT205 470PF 50V	2
36	C3	, 41324	, CERAMIC, DT203 180PF 50V	1
35	C2	, 41244	, FILM , TDY-1H-104	40
34	C1	AAT 41032	CAP. ELECTROLYTIC 25VB-10	4
33	ROM10	RTO 90029	P-ROM RT22 (2708)	50
32	ROM9	, 90028	, , RT21 (,)	1
31	ROM8	, 90027	, , RT20 (,)	1
30	ROM7	, 90026	, , RT19 (,)	1
29	ROM6	, 90025	, , RT18 (,)	1
28	ROM5	, 90024	, , RT17 (,)	1
27	ROM4	, 90023	, , RT16 (,)	1
26	ROM3	, 90022	, , RT15 (,)	1
25	ROM2	, 90021	, , RT14 (,)	1
24	ROM1	RTO 90020	P-ROM , RT13 (2708)	1
23	IC15	AAT 38003	S I.C , 74S04	1
22	IC14	, 35002	MOS DRIVER , 75365	1
21	IC13	, 33112	LS I.C , 74LS157	1
20	IC12	, 33062	, , 74LS86	4
19	IC11	, 33059	, , 74LS83	3
18	IC10	, 33043	, , 74LS55	1
17	IC9	, 33019	, , 74LS20	1
16	IC8	, 33009	, , 74LS08	3
15	IC7	, 33001	LS I.C 74LS00	2
14	IC6	, 32086	TTL I.C , 74160	1
13	IC5	, 32039	, , 7442	1
12	IC4	, 32028	, , 74166	2
11	IC3	, 32027	, , 74154	1
10	IC2	, 32018	, , 74161	4
9	IC1	AAT 32011	TTL I.C , 7474	4
8	X-TAL	AAO 69539	X-TAL , 19.968 MHz	1
7	IS	, 55787	I.C SOCKET , 24P	10
6	ANG	, 55154	ANGLE PIN HEADER, PS-50PA	2
5	T	, 17665	CONNECTOR STICKER , T	1
4	Q	, 17656	, , Q	1
3	P	AAO 17653	CONNECTOR STICKER , P	1
2	B.S	RTO 70019	P.C BOARD STICKER	1
1		AAO 17768	C.P.U P.C BOARD A	1

PARTS LIST

THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETRES
TOLERANCES
DECIMAL ±
SHOP DIA ± –
ANGLES ±
MATERIAL
FINISH
DO NOT SCALE DRAWING

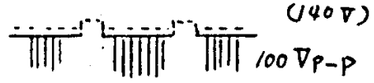
DRAWN 10,5,79
DESIGN Kubota
CHECK 10.5.79
APPROVED
APPROVED

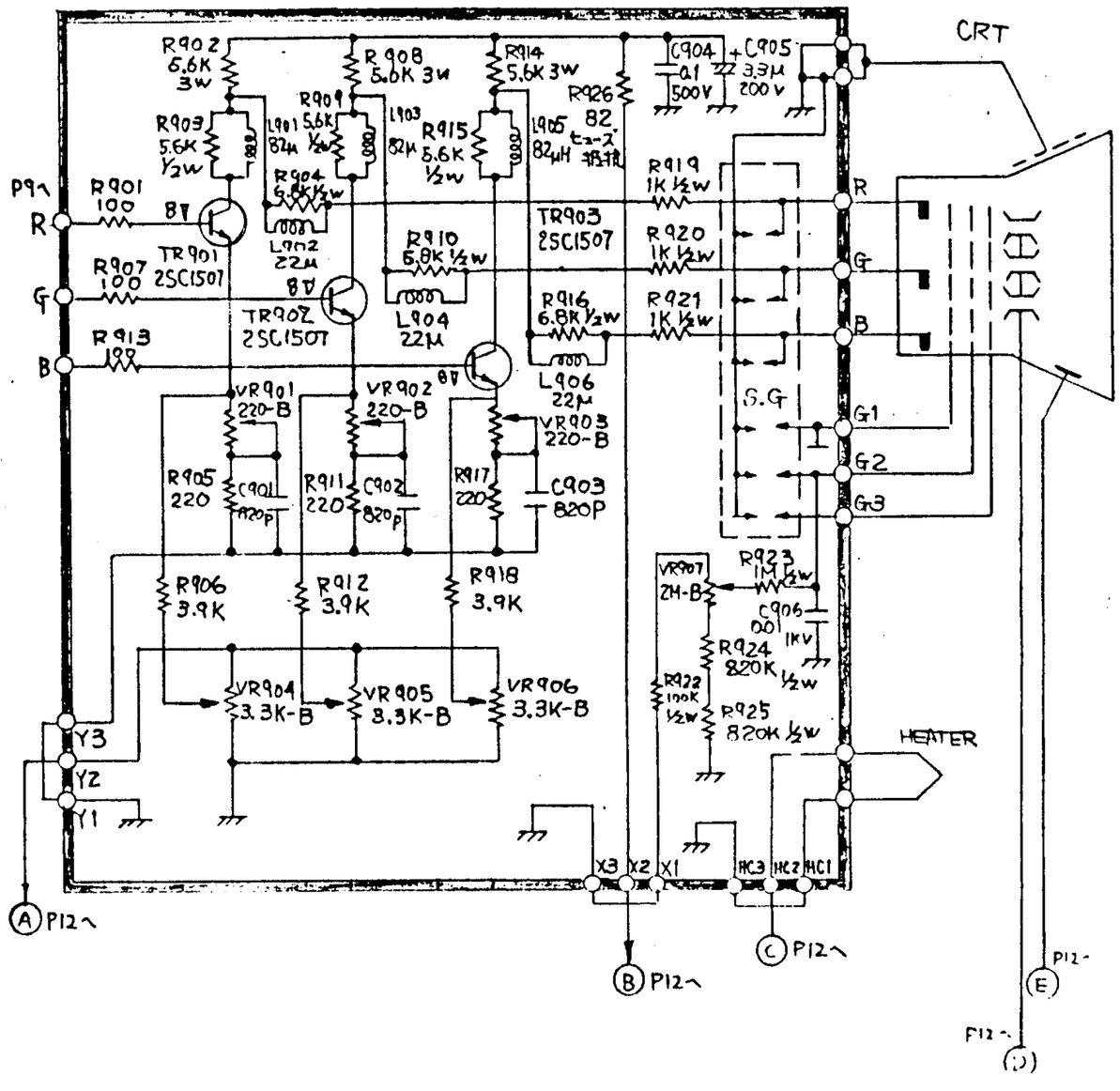
TAITO CORPORATION

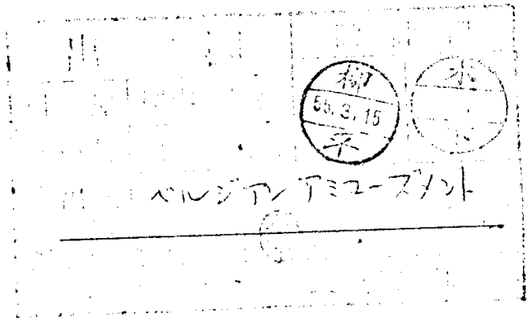
NAME T.T. SPACE CHASER
R.T CPU P.C BOARD (A) Assy

SIZE A2 | CODE IDENT NO. | DWG. NO. RTN00004
SCALE | RELEASE DATE | SHEET

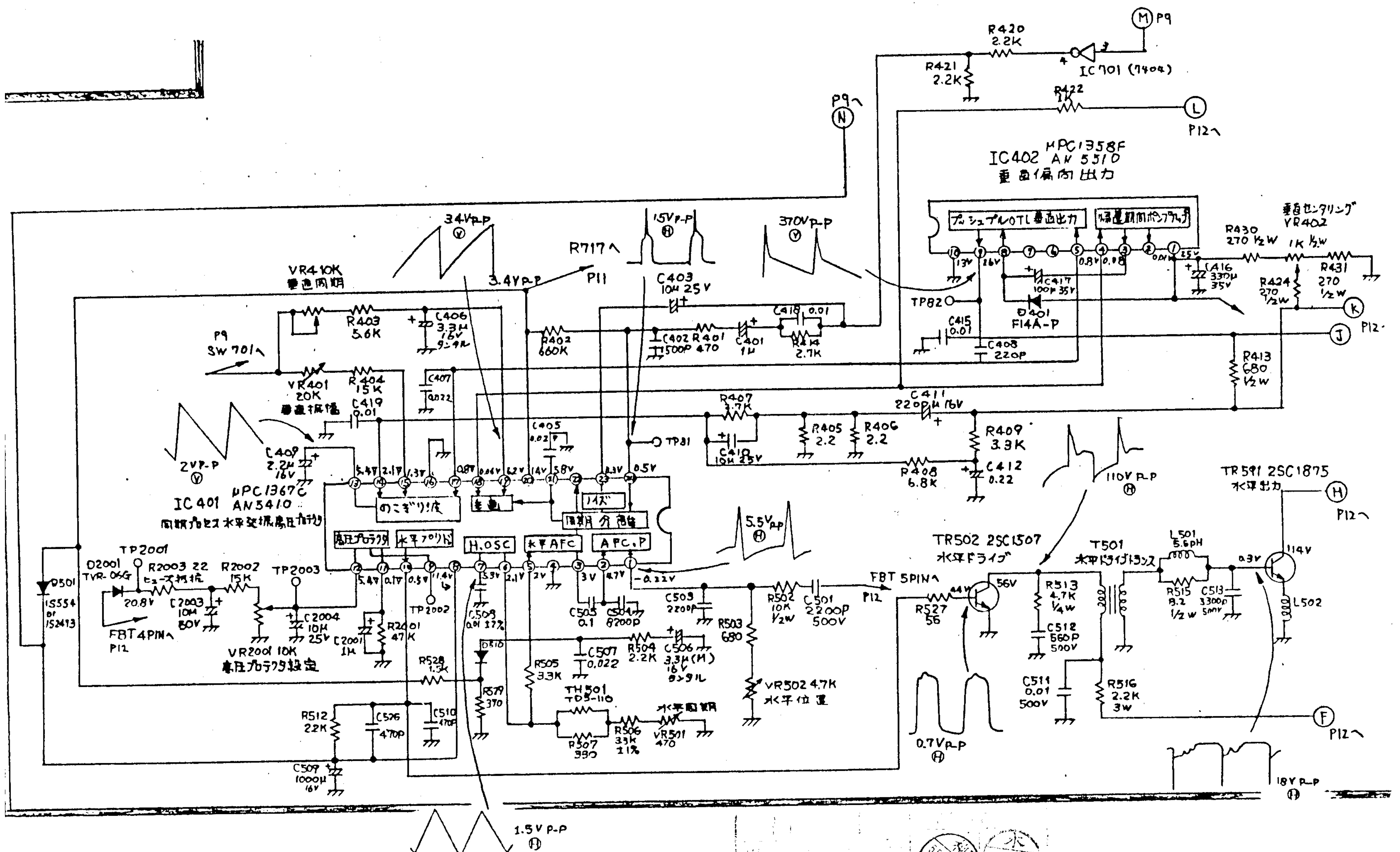
TR902, TR903, TR901 <コレクタ>







5Vp-p Ⓥ
TR706 2SA738A(Q)
明るさ VR701 10K-B
R715 68K ½w
C710 0.01
R716 10K
R719 1.8K
R721 1.5K
R727 1K
D703 1SS54 or 1S2472
TR708 2SA733
C716 1000P
D702 1S2472
FBT 2へ
R402へ P10
R717 1.5K
R718 18K
TR705 2SC945
R720 1.5K
R723 4.7K
R724 6.8K
C715 100μ 16V
TR707 2SC945
D704 1SS54 or 1S2742
C711 2200P
C712 .082
D701 1SS54
TR704 2SC945
C713 33μ 16V
R725 100
R726 47K
C714 4.7μ 16V
R728 18K
P10へ
TR 401 2SC828(Q) or 2SC945(Q)
15Vp-p Ⓥ (ﾌﾘｯﾌﾟﾌﾛｯﾌﾟ)
R412 68K
T401 左右糸巻歪補正トランス
L502 リニアリティコイル
R411 1.5K ½w
R423 20K
C414 1μ 16V タンタル
VR403 3K-B
C413 100μ 25V
R526 330 ½w ヒューズ抵抗
C525 .39 400V
+12V
VR401
R730 120K
R731 150K
水平センタリング ﾌﾞﾚｰﾄﾞ
R585 150 2W
R
N
D509 TVR-06G
TP91へ
P9へ
P10へ
L502 水平振幅調整コイル
P11へ
Y1 Y2 Y3
P11
D C E
H2 (Hﾊﾟﾙｽ)
H3 (+15V)
H4 (E)
P9へ
垂直受線
偏向ヨーク
水平受線
サービス(短絡)
SW701 白バランス調整スイッチ
115V DY4
DY3
DY2
DY1
VR591 フォーカスユニット
IN
5M
10M
15M
30M
B+2
2KV
HC1
HC2
HC3
X3
X2
X1
P10
B
900Vp-p Ⓗ
75Vp-p Ⓗ
T502 FBT
1.8Vp-p Ⓗ
R519 1K
リミッタチェック端子
100Vp-p Ⓗ
C709
P9へ
TP84
D502 CQJ-1A
C514A 8500P 1.5KV
L503 5.6μH
115V
R520 100K 2W
C520 0.1 250V
R522 33
AFC比較波形 C501へ
P10
R517 4.7 ヒューズ抵抗
L504 12μH
D503 V11N
D504 TVR06G
C517 2200P 500V
C519 3.3μ 160V
C521 2200μ 50V
L505 5.6μH
F501 1A
R523 12 2W
C522 470μ 25V
C523 470μ 16V
12V
+18V 25V
IC402 1PINへ P10
C524 270P 500V
D505 M114
D506 TVR-06G
R524 2Eヒューズ抵抗
R521 1.5 2W
C515 .0068
C516 4.7μ 160V
C518 10μ 160V
R518 4.7 5W
136Vp-p Ⓗ
200Vp-p Ⓗ
ベンジアンアミューズメント
GM-C14N 3/4



IC402 μPC1358F AN5510
垂直偏向出力
プッシュプルOTL垂直出力
帰還期間ポンプアップ
IC701 (7404)
R420 2.2K
R421 2.2K
R422 1K
垂直センタリング VR402 1K 1/2W
R430 270 1/2W
R431 270 1/2W
R424 270 1/2W
R413 680 1/2W
C416 330μ 35V
C417 100μ 35V
D401 F14A-P
C415 0.01
C408 220P
TP82
IC401 μPC1367C AN5410
同期プロセス水平発振高圧プロテクタ
のこぎり波
垂直
ノイズ
同期分離
高圧プロテクタ
水平プリドライブ
H.OSC
水平AFC
AFC.P
VR410 10K 垂直同期
VR401 20K 垂直振幅
R403 5.6K
R404 15K
R402 680K
R401 470
C401 1μ
C402 1500P
C403 10μ 25V
C406 3.3μ 16V タンタル
C407 0.022
C418 0.01
R414 2.7K
C419 0.01
C409 2.2μ 16V
C405 0.02
TP81
R407 4.7K
C411 220μ 16V
R405 2.2
R406 2.2
R409 3.3K
C410 10μ 25V
R408 6.8K
C412 0.22
SW701へ
R717へ P11
34Vp-p
3.4Vp-p
15Vp-p
370Vp-p
2Vp-p
5.5Vp-p
1.5Vp-p
110Vp-p
0.7Vp-p
18Vp-p
TR502 2SC1507 水平ドライブ
T501 水平ドライブトランス
TR591 2SC1875 水平出力
L501 5.6μH
L502
R513 4.7K 1/4W
C512 560P 500V
R515 8.2 1/2W
C513 3300P 500V
C511 0.01 500V
R516 2.2K 3W
R527 56
R502 10K 1/2W
C501 2200P 500V
C503 2200P
R503 680
VR502 4.7K 水平位置
FBT 5PINへ
FBT4PINへ
D501 1S554 or 1S2413
D2001 TVR-06G
TP2001
TP2002
TP2003
R2003 22 ヒューズ抵抗
R2002 15K
C2003 10μ 50V
C2004 10μ 25V
C2001 1μ
R2001 47K
VR2001 10K 高圧プロテクタ設定
R528 1.5K
R529 390
R512 2.2K
C526 470P
C510 470P
C509 1000μ 16V
C508 0.01
D510
C507 0.022
R504 2.2K
C506 3.3μ(M) 16V タンタル
C505 0.1
C504 8200P
R505 3.3K
TH501 TD5-110
R507 390
R506 33K
VR501 470 水平同期

GM-C14N 3/4

R入力 TH1
G入力 TH2
B入力 TH3
TH4
VSFBK TH5
アース TH6

H1
H2
P12 H3
H4
+15V

R101 390
VR101 3.3K
R102 2.2K
R103 10K
R104 1.2K
R105 1.2K
R106 270
R107 270
R108 100
R109 390 ½W
R110 3.3K
R111 330
VR102 3.3K
R112 2.2K
R113 6RK
R114 10K
R115 1.2K
R116 270
R117 1.2K
R118 270
R119 100
R120 390 ½W
R121 3.3K
R122 330
VR103 3.3K
R123 22K
R124 68K
R125 10K
R126 1.2K
R127 270
R128 1.2K
R129 270
R130 100
R131 390 ½W
R132 3.3K
R133 1.5K
R134 68K
R135 1K

C101 10M 16V
C102 10M 16V
C103 820P
C104 10M 16V
C105 10M 16V
C106 820P
C107 10M 16V
C108 10M 16V
C109 10M 16V
C110 470P
C111 10M 16V
C112 10M 16V
C113 100M 6V
C114 220M 35V
C115 0.01

D101 1SS54
D102 1SS54
D103 1SS54
D104 1SS54

TR101 2SC828
TR102 2SA733
TR103 2SC828
TR104 2SC828
TR105 2SC828
TR106 2SA733
TR107 2SC828
TR108 2SC828
TR109 2SC828
TR110 2SA733
TR111 2SC828
TR112 2SC828

R
G
B
P11へ

消磁コイル

AC100V
AZ1
AZ2
F601 2A
C601 0.1 AC150V
P601 1 5W
C602 4700P AC160V
C603 4700P AC160V
D601 RM-2C ERC01-10
D602 RM-2C ERC01-10
D603 RM-2C ERC01-10
D604 RM-2C ERC01-10
C604 0.01 500V
C605 680M 180V
R617 220K

I1
I2
TH601
DW1
DW2
0.4A F602
R602 150Ω 2W
127V
TR601 2SC1507KLM 定電圧ドライブ
R603 220 ½W
TR602 2SC945KLM ﾌﾟﾛﾃｸｼｮﾝ
R604 1K
R605 15K 1W
C606 22M 160V
D605 TL4A
R606 330K
R607 15K 1W
R608 18K ½W
TR603 2SC1573Q 2SC1941KLM
R612 39K ½W
R611 39K ½W
109V
10.3V
C608 2200M 50V
11V
ZD601 RD9.1EB
D607 VD1220
R613 27K ±1%
R614 27K ±1%
R615 5.1K ±1%
VR601 2K +115調整
TP91
ヨイン
C607 10M 160V
+115V
DY6へ P12
R511 8.2K 3W
TR501 2SC1941KLM 水平発振起動
R510 4.7K
P10へ
N
R609 2.2
R610 2.2

H1へ (SYNC)
M P10

ベルジアンテニーズメルト
55.3.15 水

GM-C14N 4/4