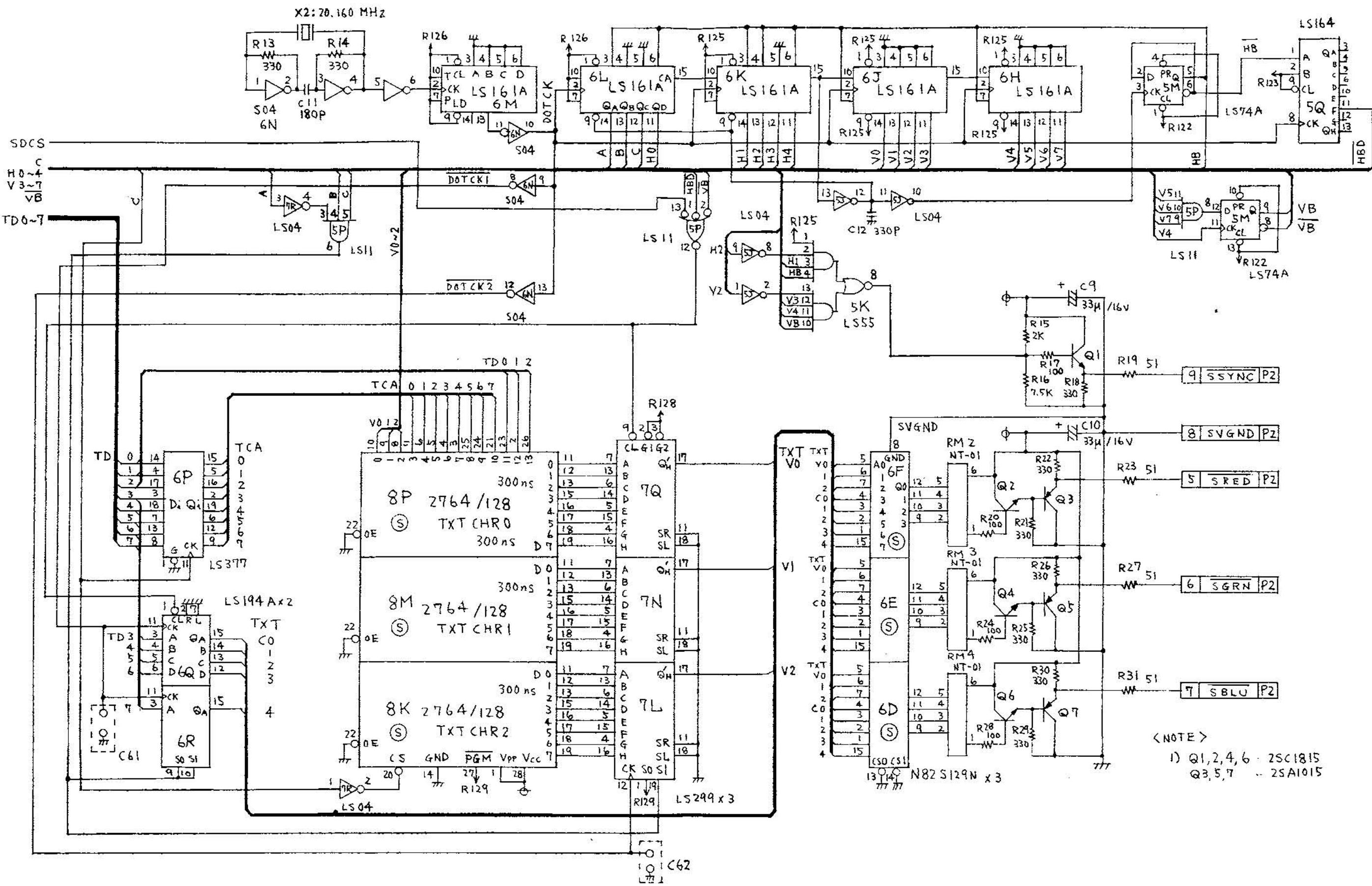
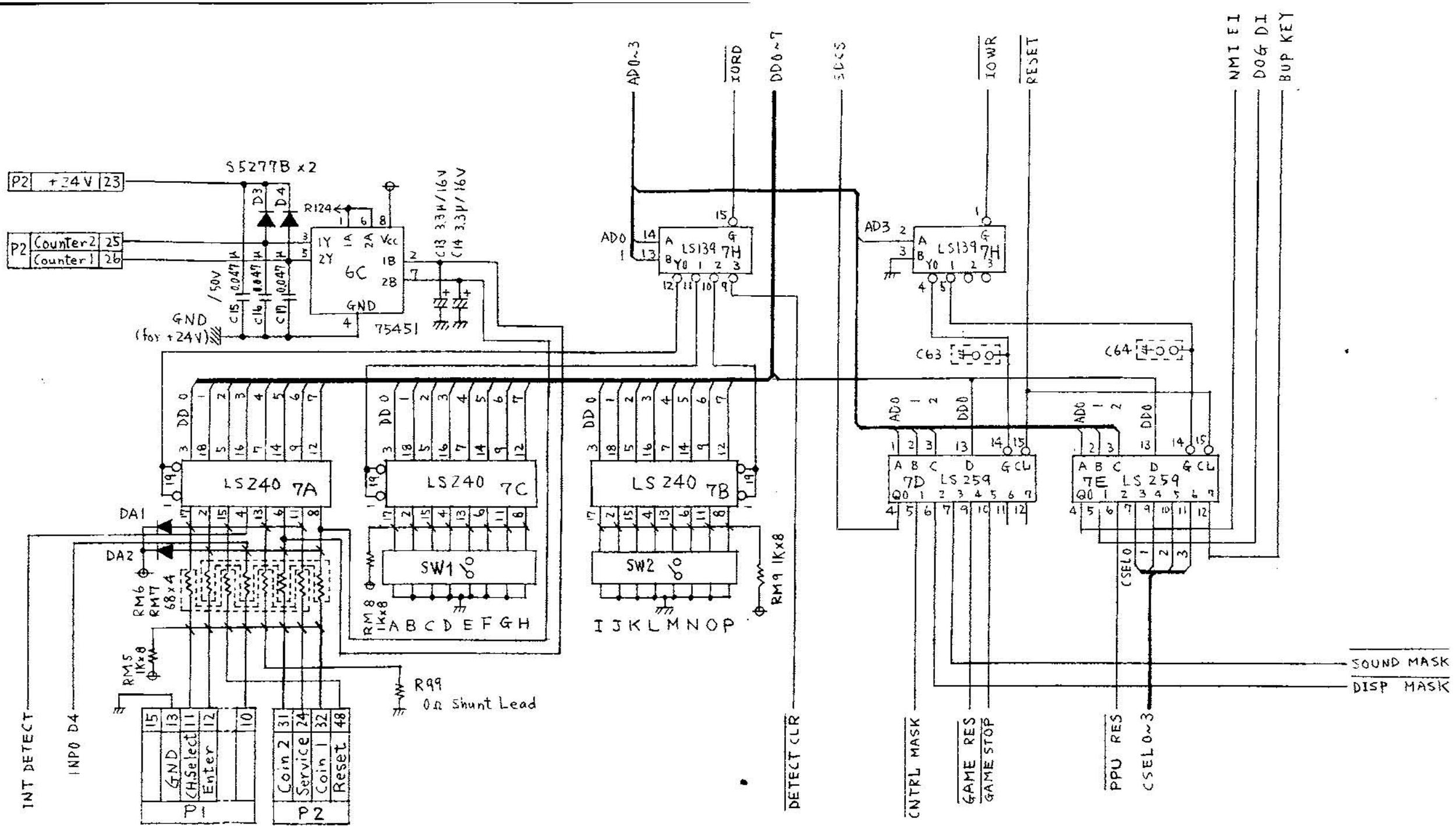


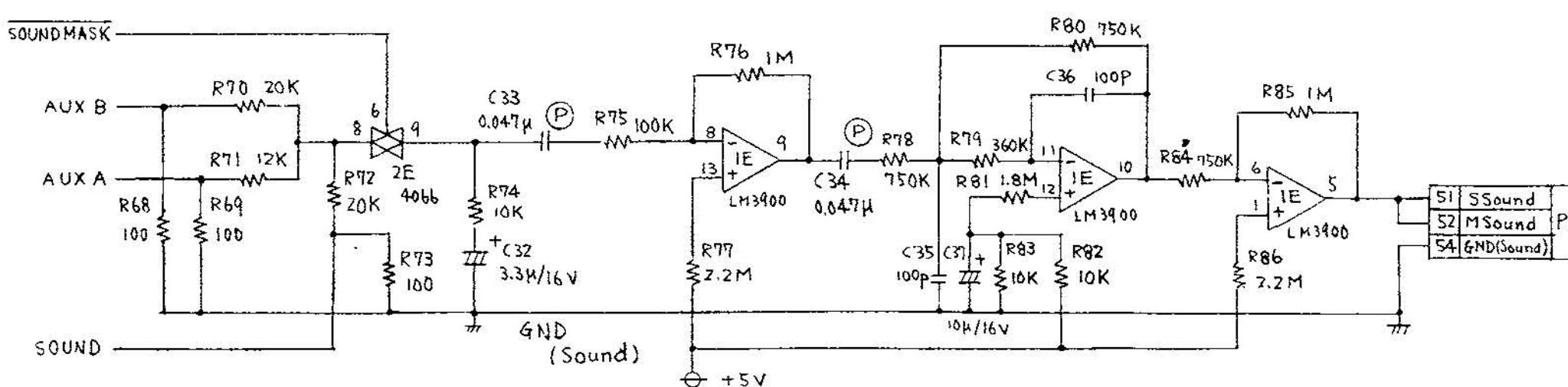
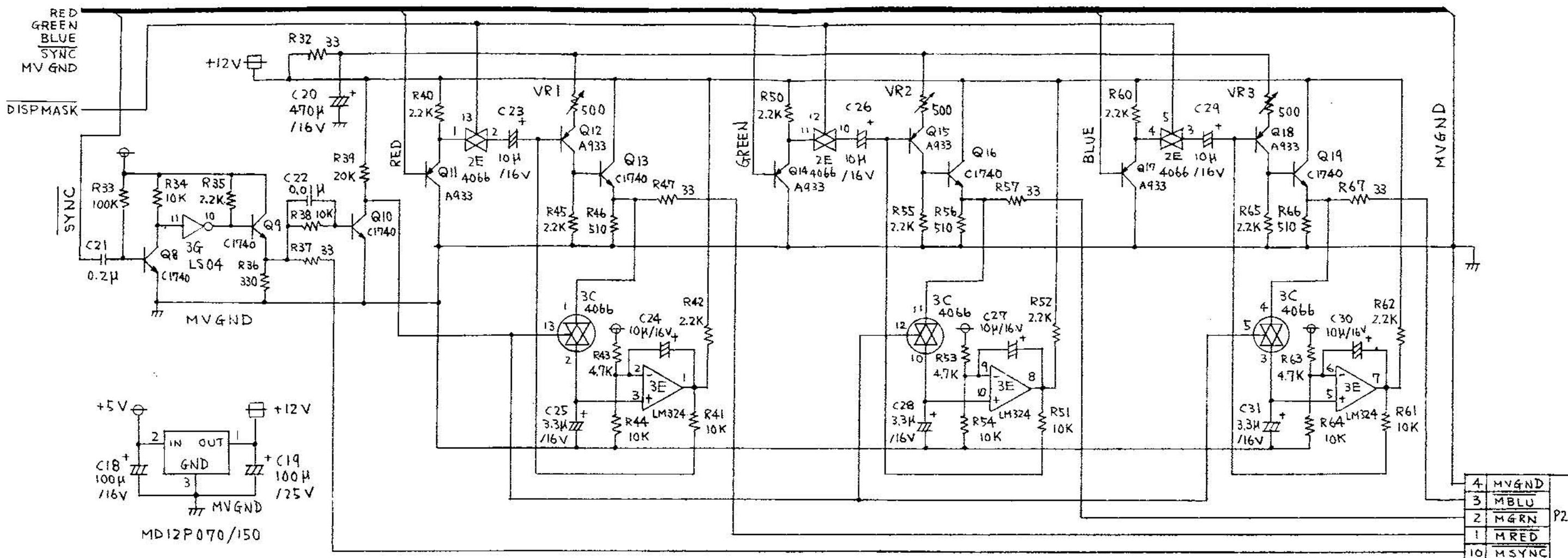
A PCH1-CPU SCHEMATIC  
Sheet 1



**B** PCH1—CPU SCHEMATIC  
Sheet 2

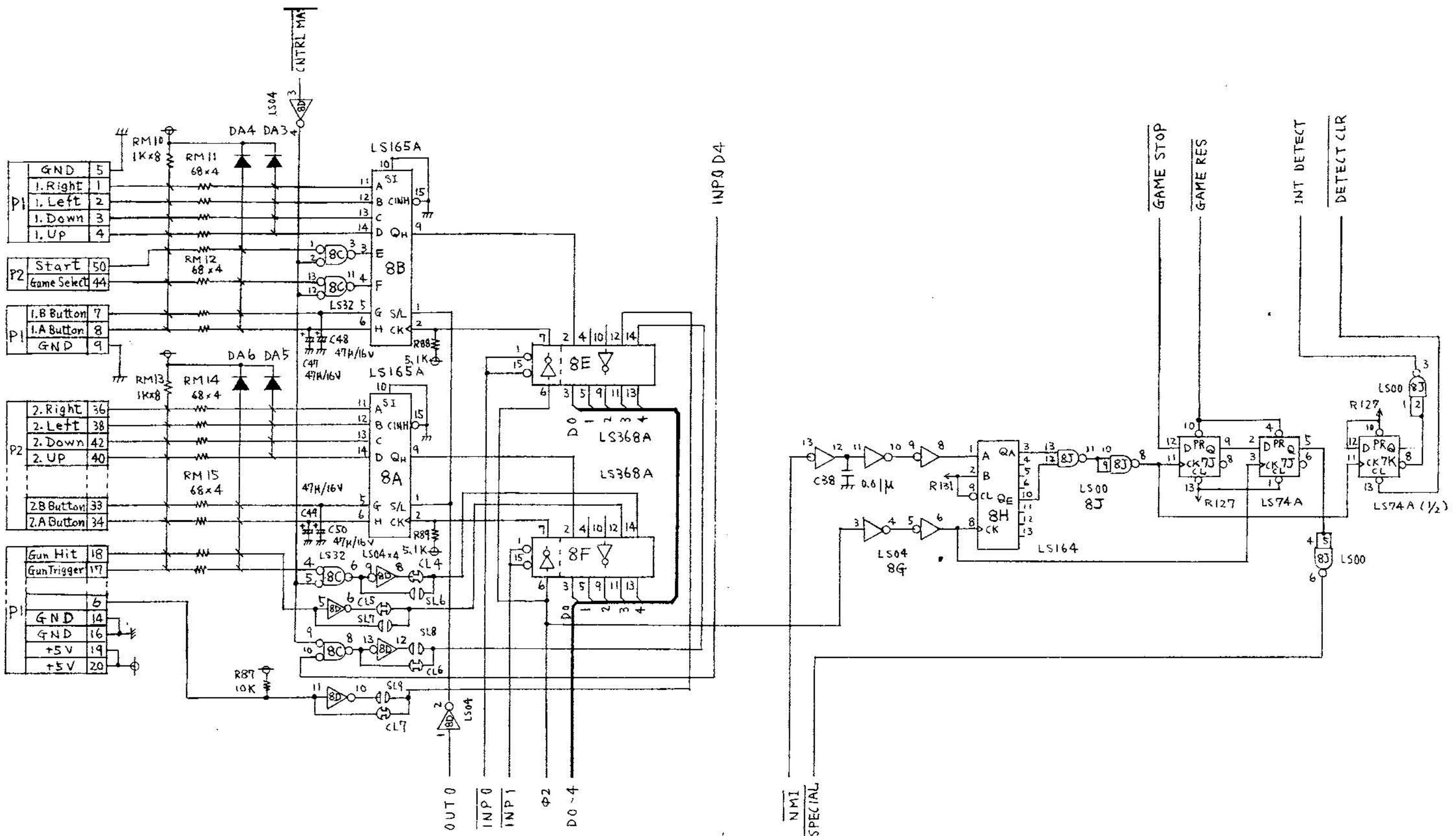
©1986 Nintendo of America Inc.





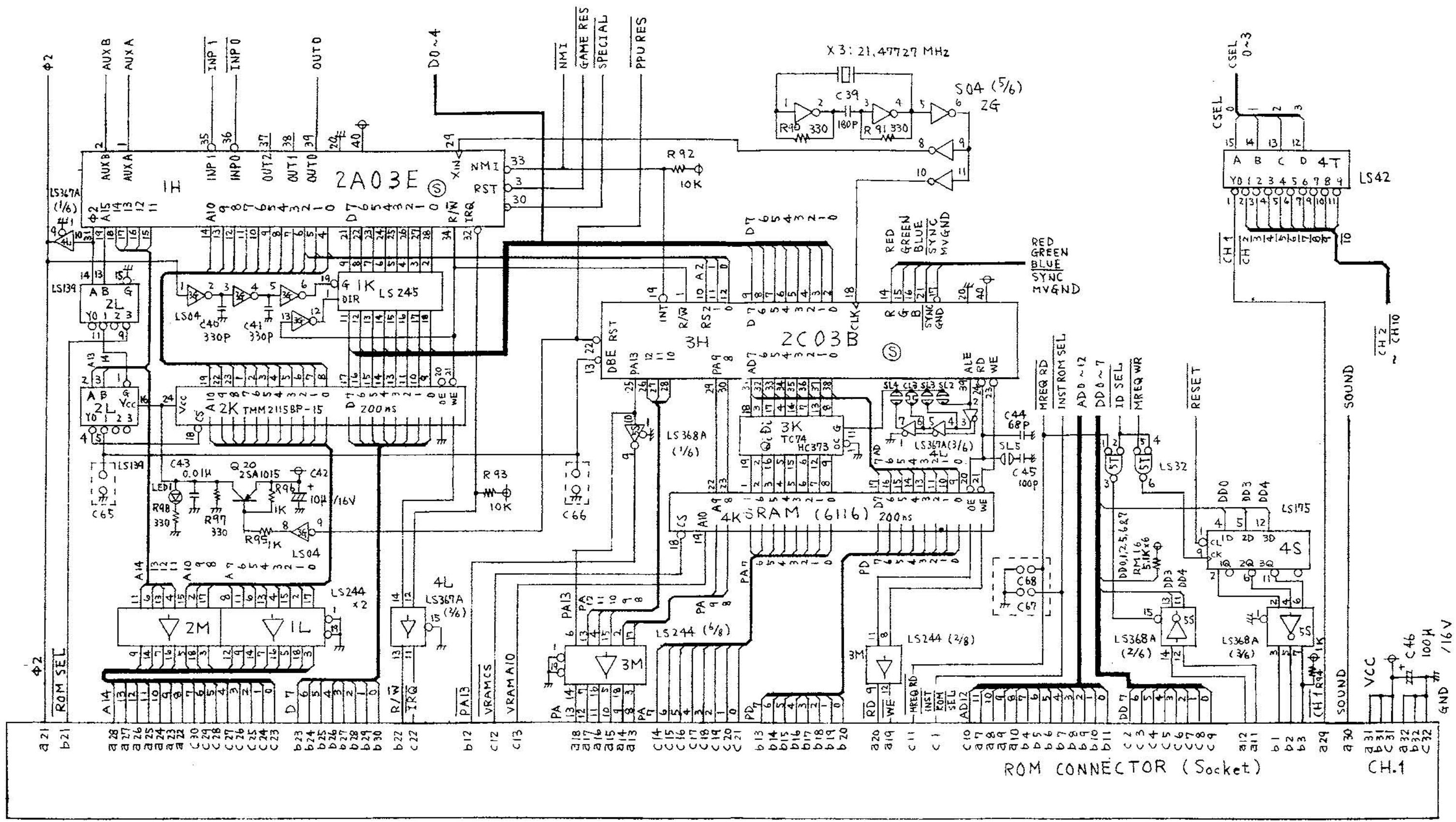
- <NOTE>
- 1) LM324 ... 11pin GND  
4pin +12V
  - 2) ~~XX~~ 4066 ... 7pin GND  
14pin +12V
  - 3) ~~XX~~ 4066 & LM3900 ... 7pin GND  
14pin +5V

D PCH1—CPU SCHEMATIC  
Sheet 4



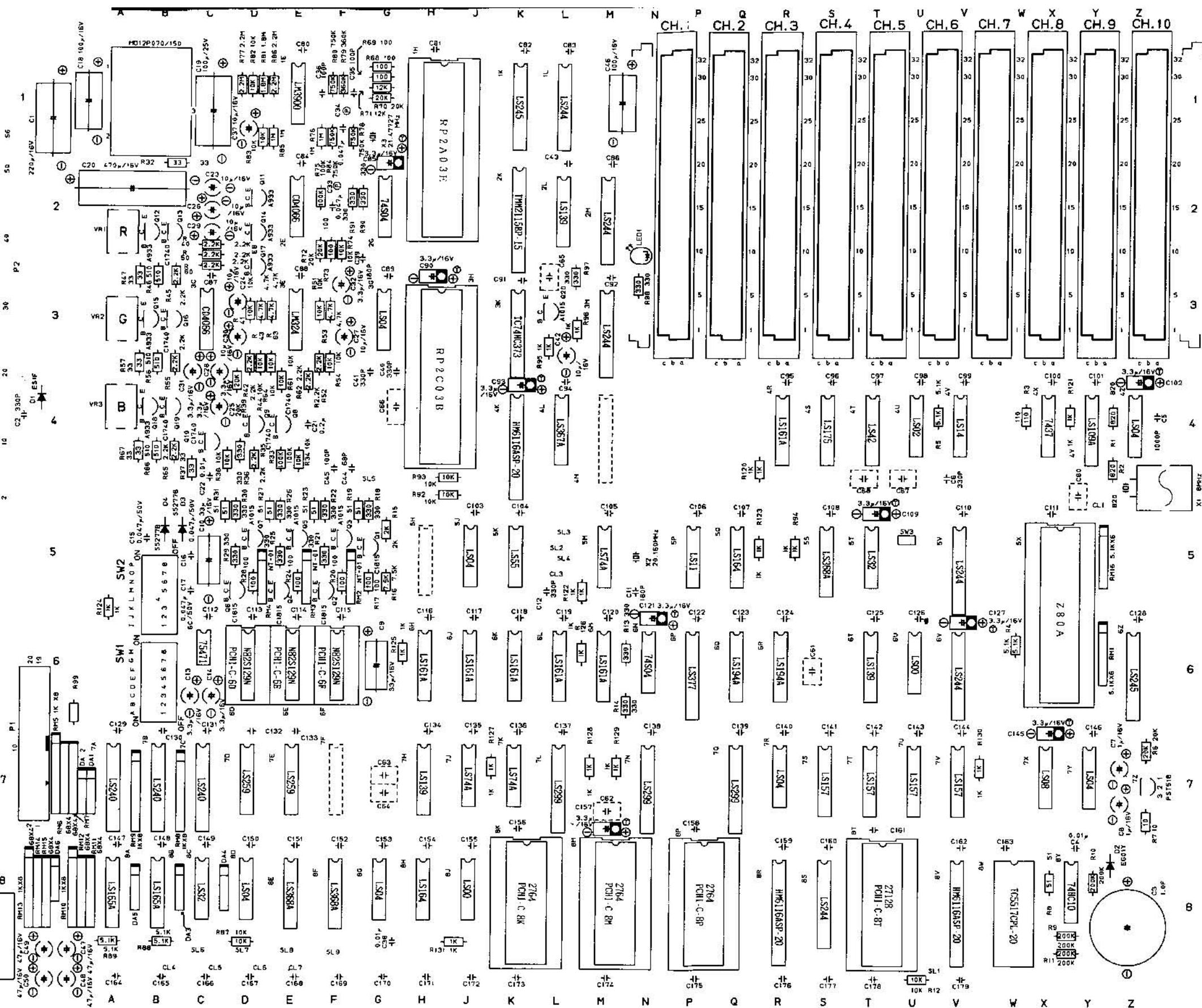
E PCH1—CPU SCHEMATIC  
Sheet 5

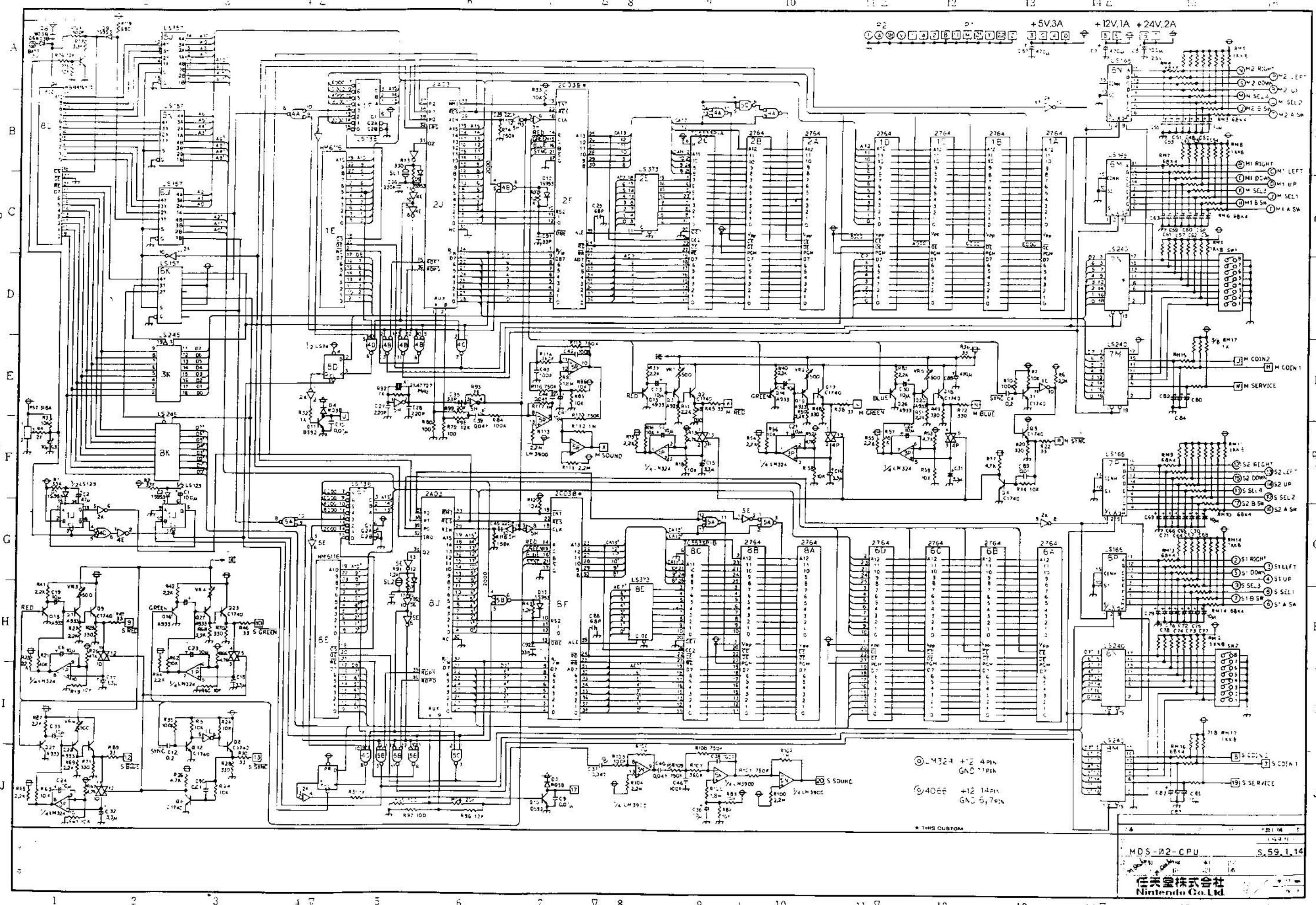
©1986 Nintendo of America Inc.

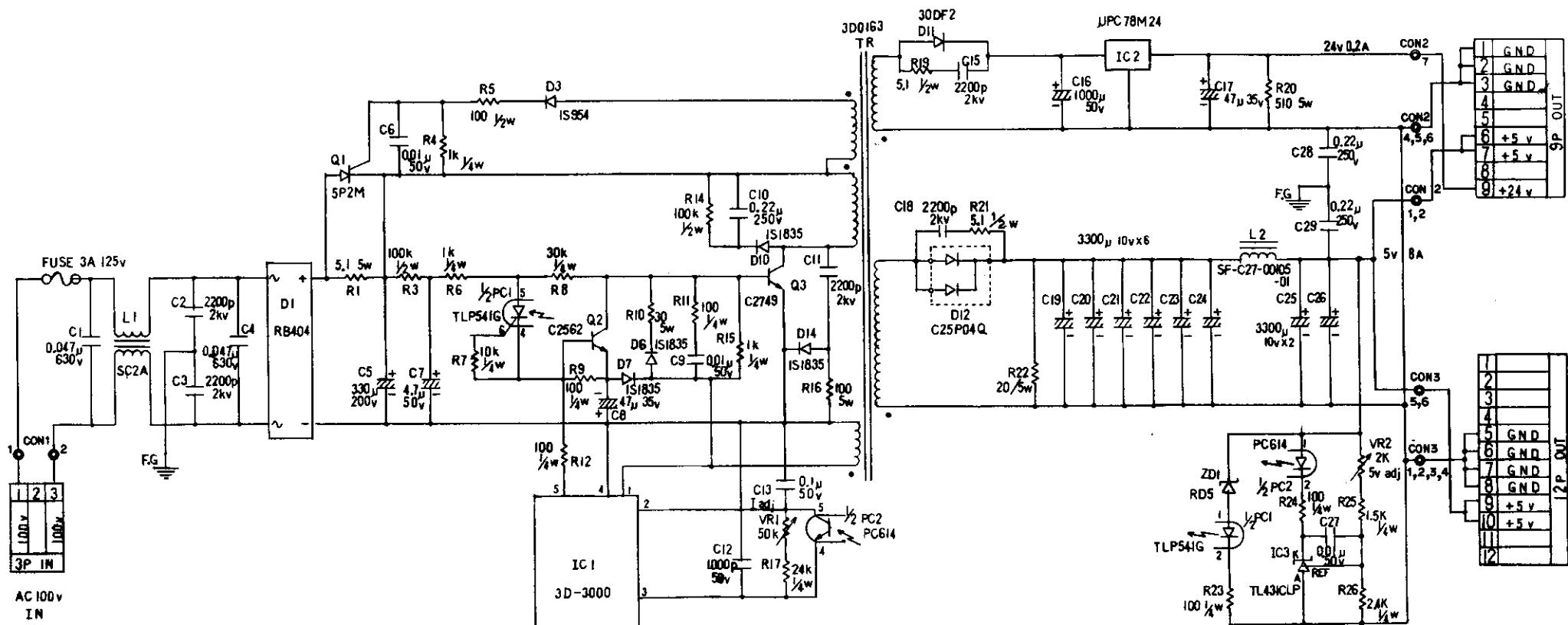


**F** PCH1—CPU SCHEMATIC  
Sheet 6

©1986 Nintendo MADE IN JAPAN PCH1-01-CPU

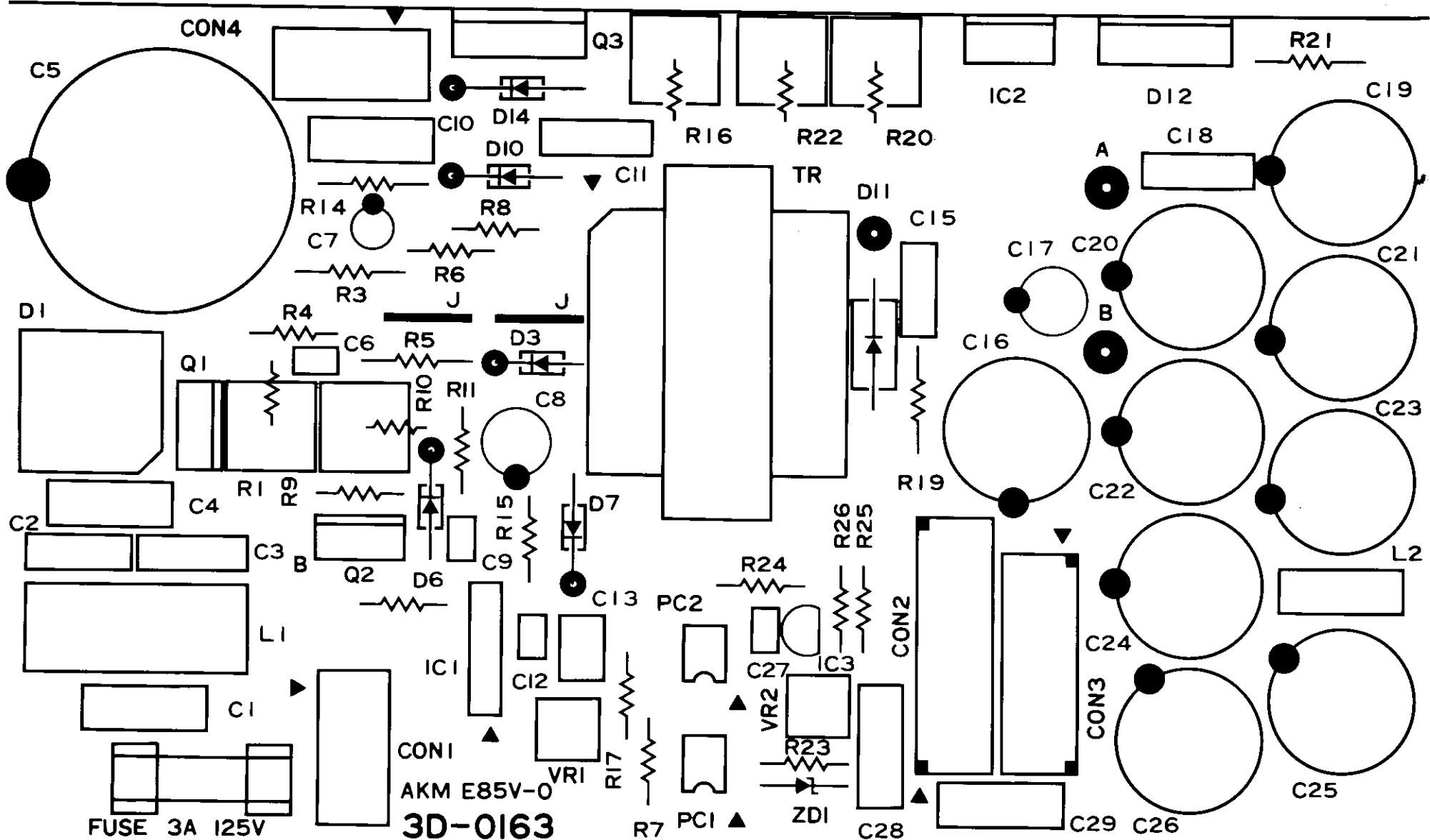




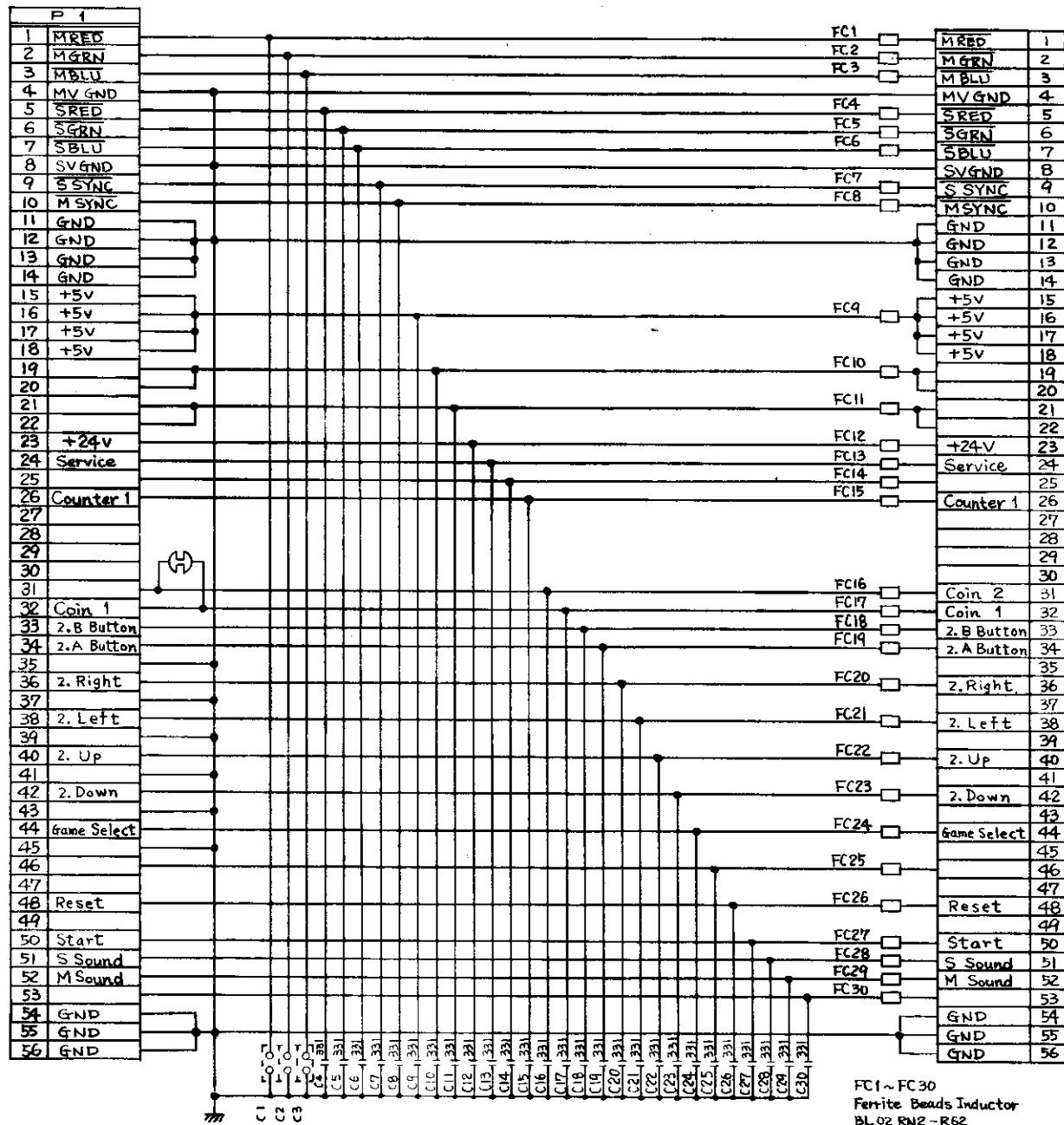


## H PP-1000A POWER SUPPLY SCHEMATIC

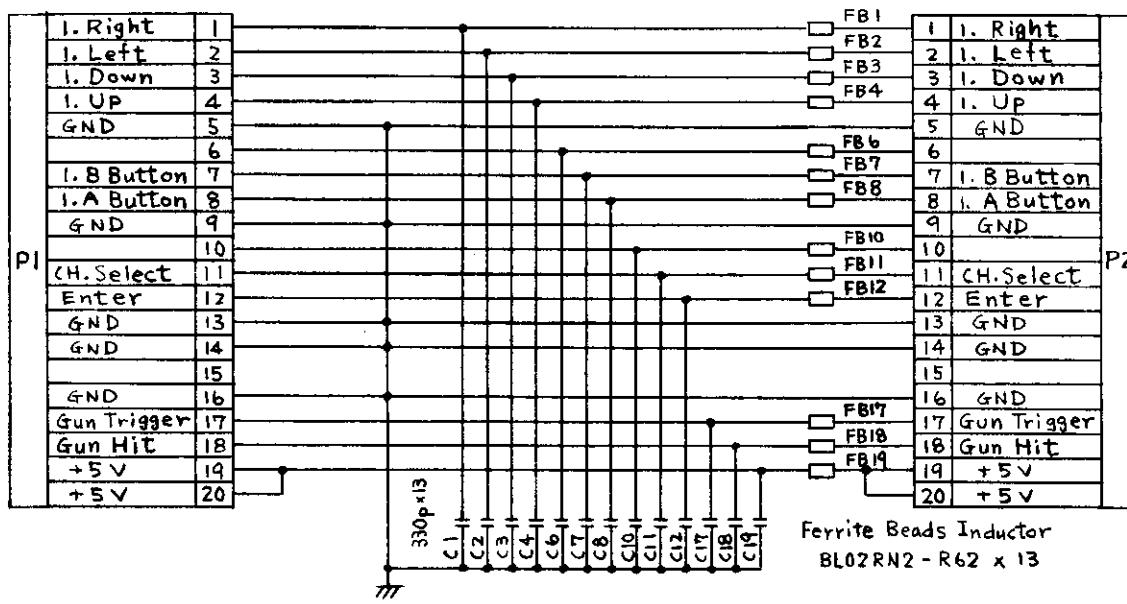
© 1983 Nintendo of America Inc.



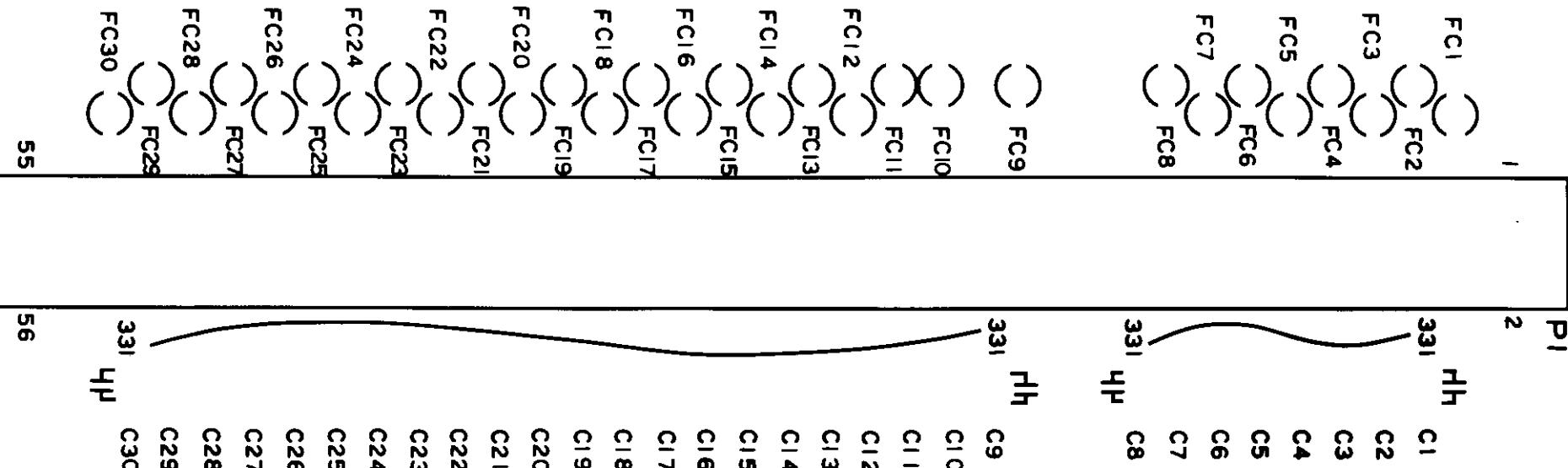
PP-1000A POWER SUPPLY ASSEMBLY  
© 1983 Nintendo of America Inc.

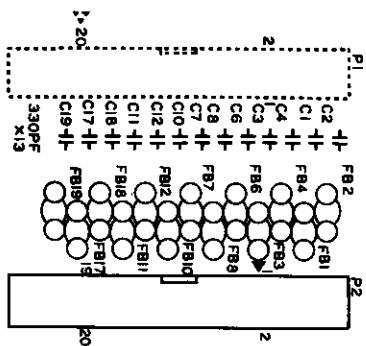


FC1~FC30  
Ferrite Beads Inductor  
BL 02 RN2 - R62



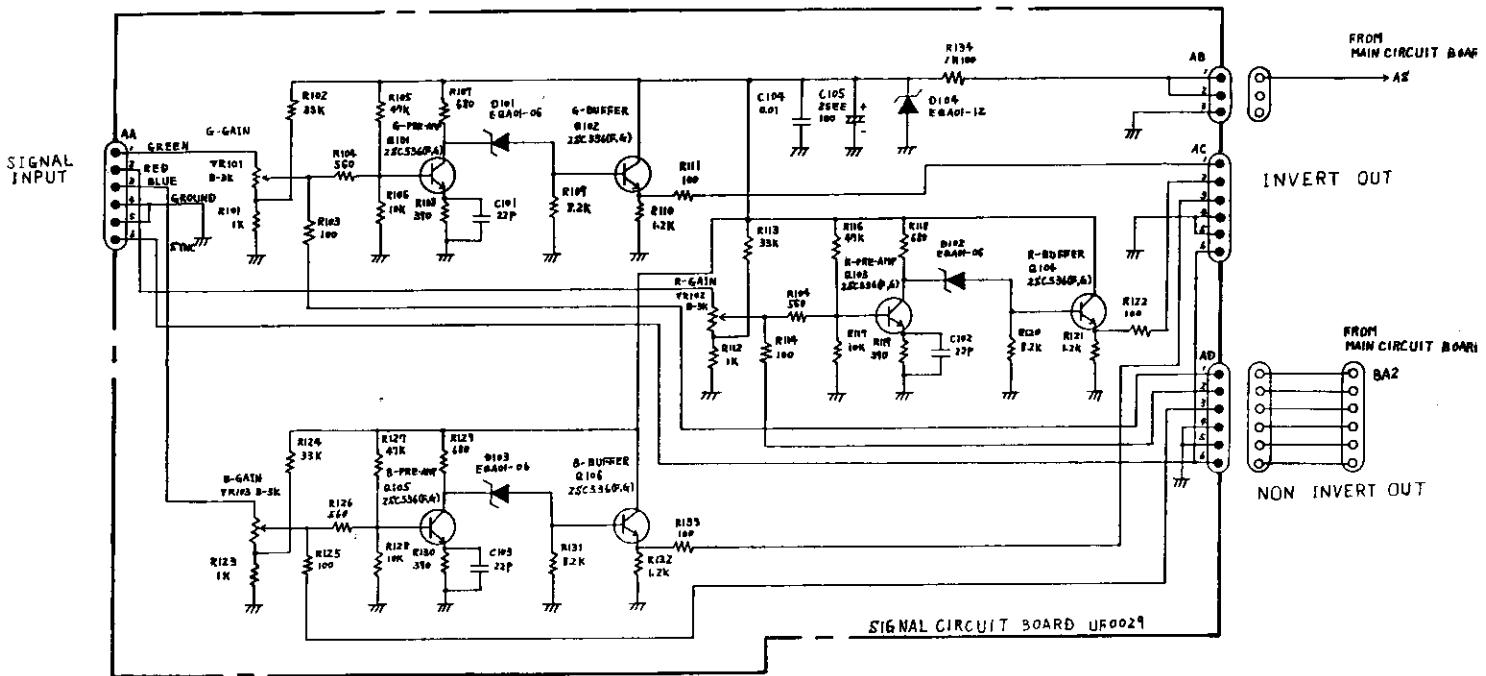
**K** 079-FCC SCHEMATIC  
©1986 Nintendo of America Inc.





©1986 Nintendo  
MADE IN JAPAN  
079-01-FCC

**M** 079-FCC ASSEMBLY  
©1986 Nintendo of America Inc.



----- **WARNINGS** -----

1. Service work should only be performed by a qualified service technician.

2. An isolation transformer must be used between the AC supply and the AC plug of the monitor before servicing or testing is performed since the chassis and the heat-sink are directly connected to one side of the AC line which could present a shock hazard.

Supply voltage of the video monitor : AC 90V - 110V  
50/60 Hz

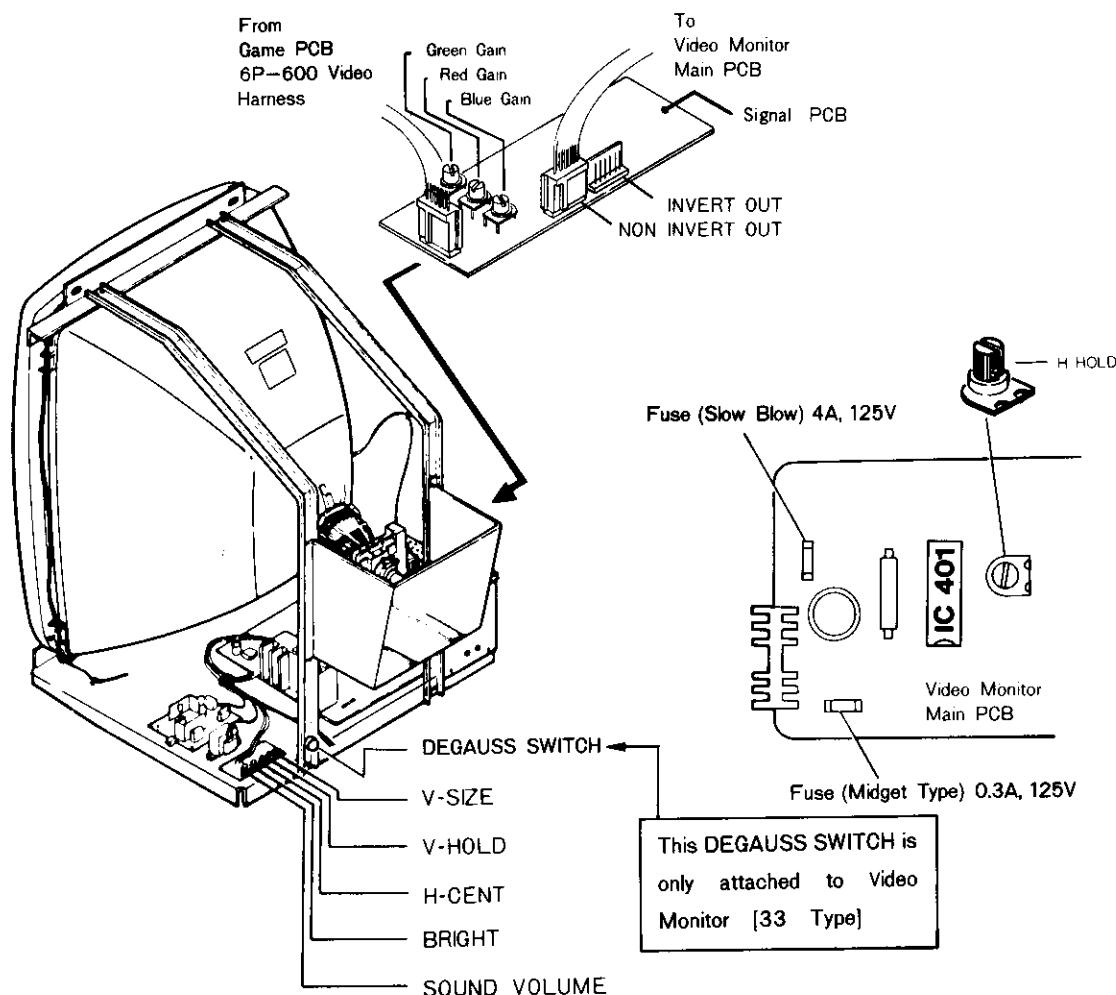
3. X-RAY RADIATION WARNING AND PRODUCT SAFETY NOTICE !

This video monitor contains circuits and components included specifically for safety purpose.

For continued protection, no changes should be made to original design, and components identified by shading and by (▲) on schematic diagram should be replaced with exact factory replacement parts.

DO NOT degrade the safty of the set through improper servicing.

## Adjustment of Video Monitor



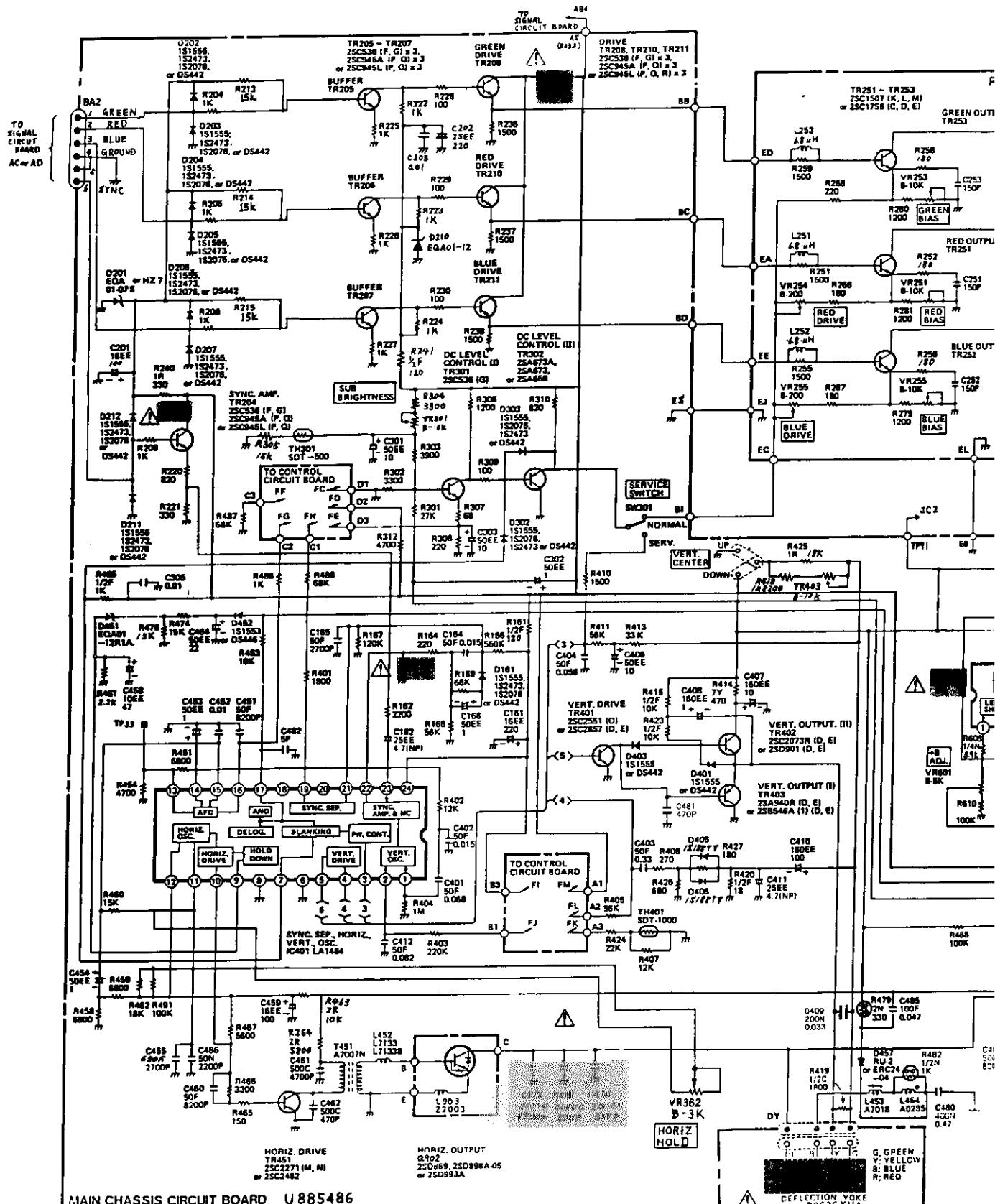
### WARNING

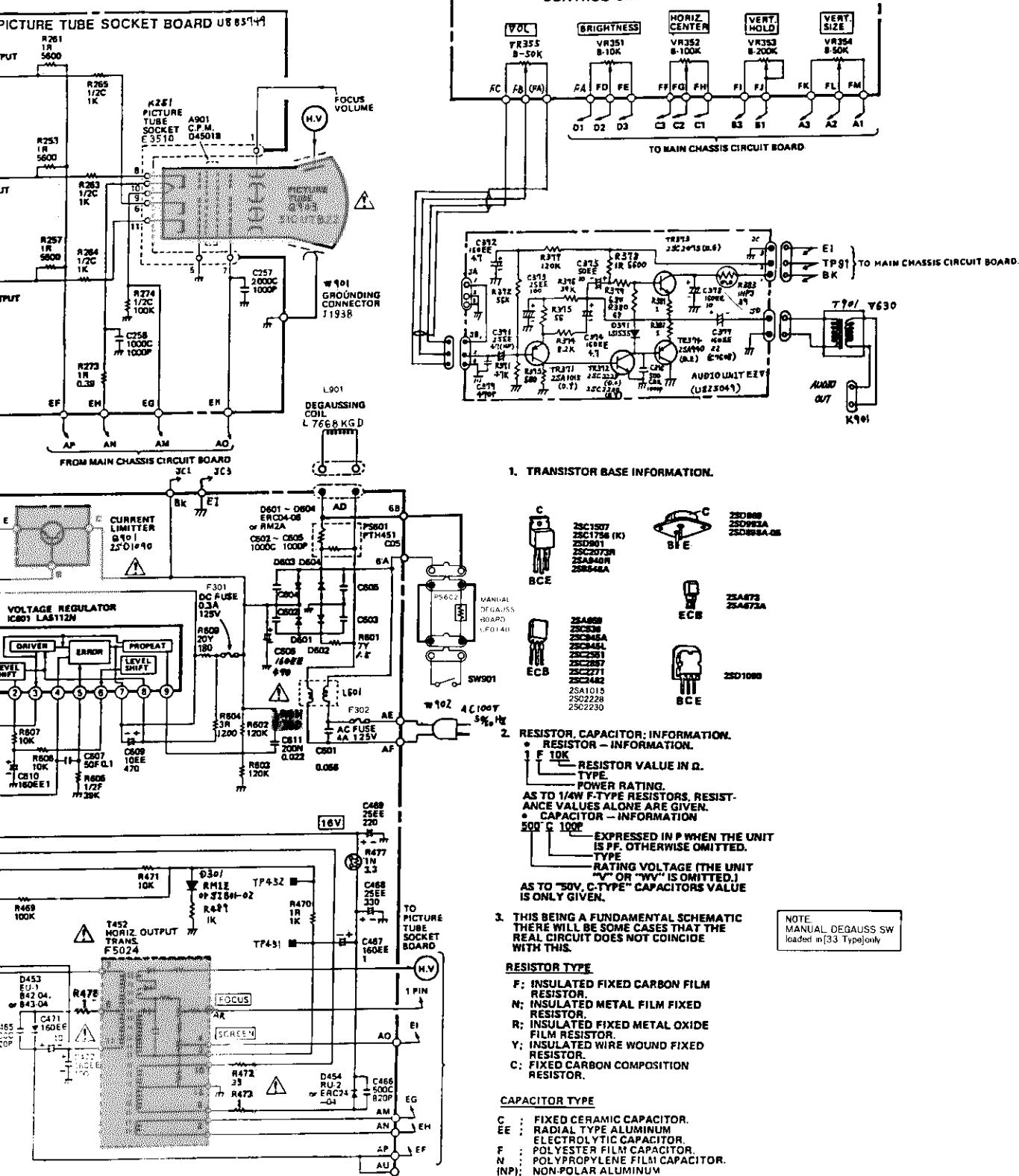
The Video Monitor contains HIGH VOLTAGE capable of delivering LETHAL quantities of energy. TO AVOID DANGER TO LIFE, don't attempt to service the chassis until all precautions necessary for working on HIGH VOLTAGE equipment have been observed.

[32 Type] 20-EZV(R-C) SCHEMATIC

[33 Type] 20-EZV(R-C) SCHEMATIC

Sheet 2 of 2





[32 Type] 20-EZV(R-C) SCHEMATIC

[33 Type] 20-EZV(R-C) SCHEMATIC

Sheet 1 of 2

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Revision 2

## WIRING DIAGRAM NOTES

\* Since the wiring diagram shows the basic circuit configuration, a difference may exist according to the models.

Make "Δ" (▲) indicates a critical safety component.

To avoid injury and to maintain the optimum performance, the specified components must be used when they are replaced.

### Resistor/Capacitor Representation:

- Resistor

Unit:	No indication .....	$\Omega$
	K .....	$k\Omega$
	M .....	$M\Omega$

Tolerance:	No indication .....	$\pm 10\%$
	J .....	$\pm 5\%$

Power rating: No indication ..... 1/4W

- Capacitor

Unit:	No indication or $\mu$ .....	$\mu F$
	P .....	pF

Rated voltage: No indication ..... 50V

Some test points are without pins and they are indicated by a bracket ( ).

Resistor		Capacitor	
No indication	Carbon film resistor	No indication	Ceramic capacitor
(C)	Solid resistor	ML	Mylar capacitor
(S)	Metal oxide film resistor	PF	Polypropylene film capacitor
(N)	Metal film resistor	TA	Tantalum capacitor
(W)	Cement resistor	ST	Styrol capacitor
(T)	Special resistor		

### ----- WARNINGS -----

1. Service work should only be performed by a qualified service technician.

2. An isolation transformer must be used between the AC supply and the AC plug of the monitor before servicing or testing is performed since the chassis and the heat-sink are directly connected to one side of the AC line which could present a shock hazard.

Supply voltage of the video monitor : AC 90V - 110V  
50/60 Hz

3. X-RAY RADIATION WARNING AND PRODUCT SAFETY NOTICE !

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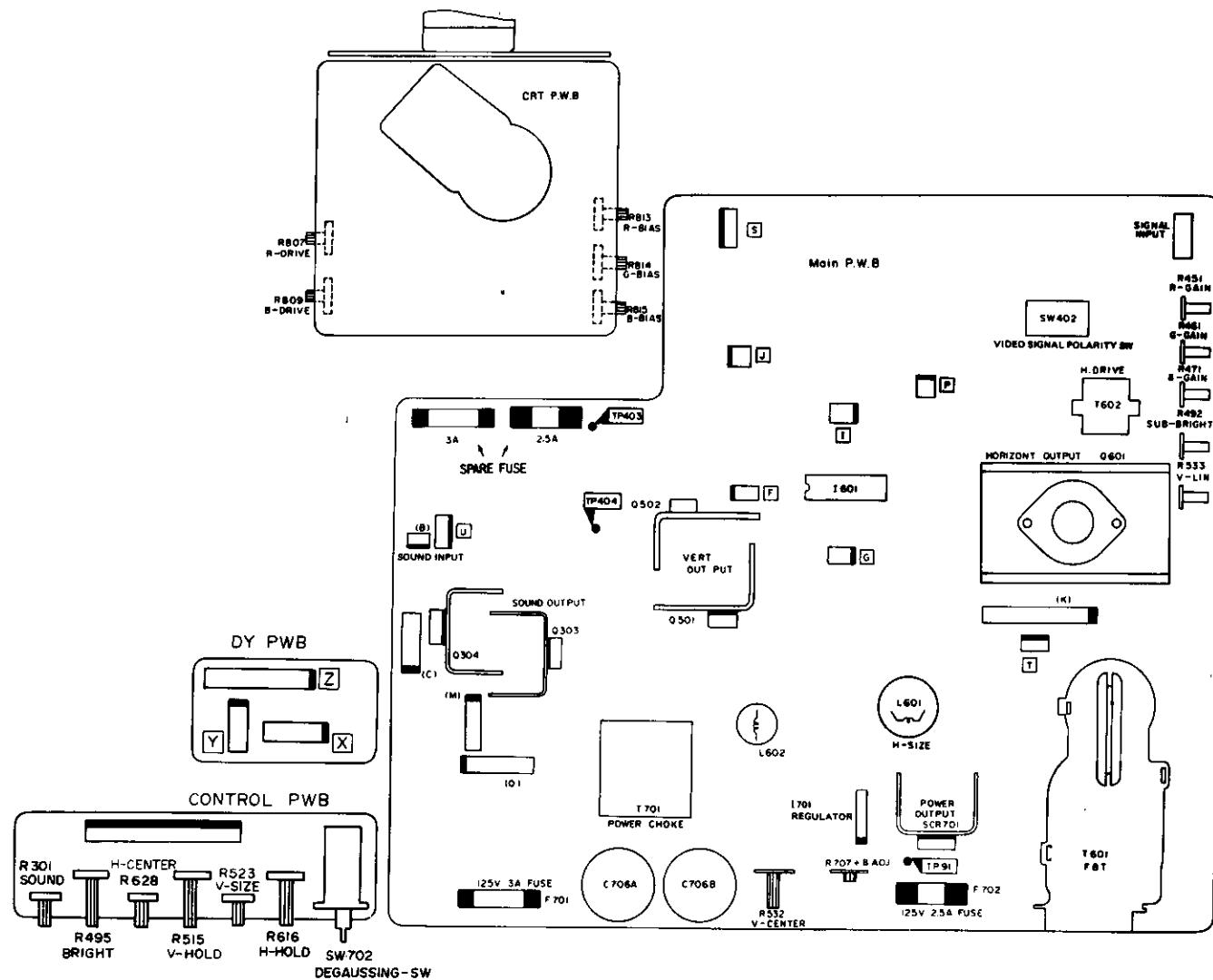
For continued protection, no changes should be made to original design, and components identified by shading and by (▲) on schematic diagram should be replaced with exact factory replacement parts.

DO NOT degrade the safty of the set through improper servicing.

## **Adjustment of Video Monitor**

Video Monitor : Type **XM-2001N**

## **CHASSIS LAYOUT**

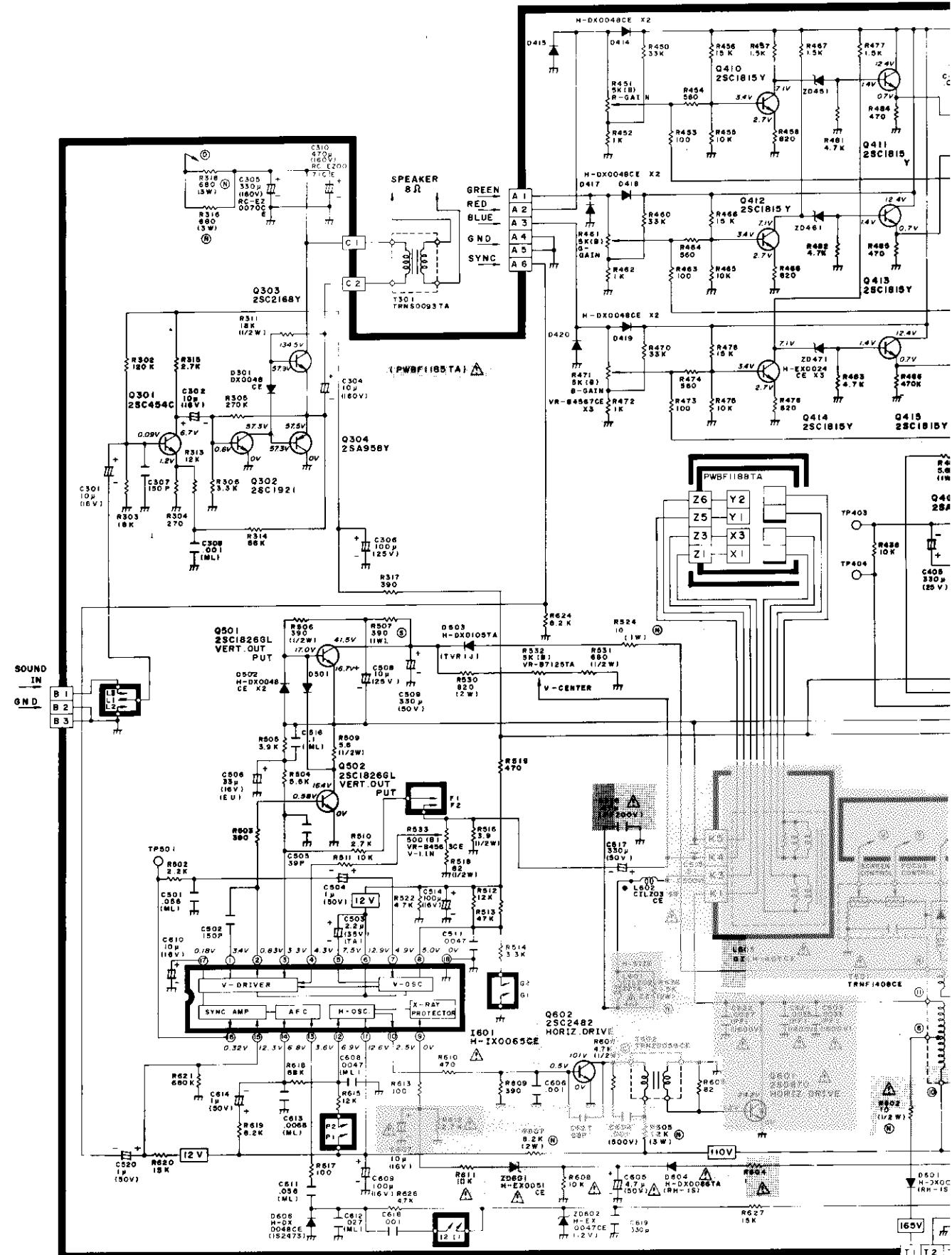


WARNING

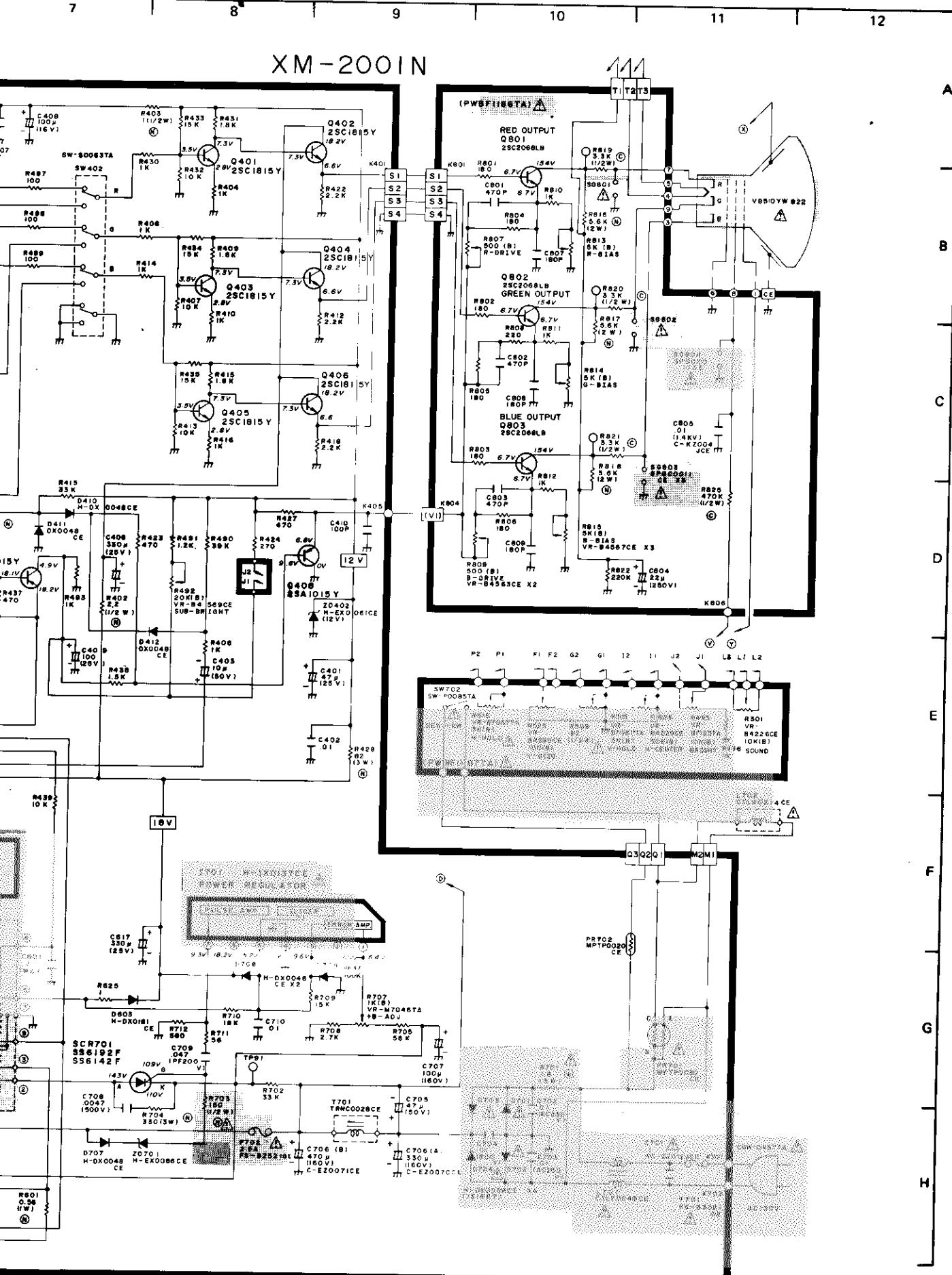
The Video Monitor contains HIGH VOLTAGE capable of delivering LETHAL quantities of energy. TO AVOID DANGER TO LIFE, don't attempt to service the chassis until all precautions necessary for working on HIGH VOLTAGE equipment have been observed.

[Y51 Type] XM-2001N SCHEMATIC DIAGRAM

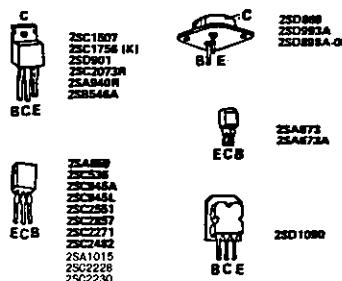
© 1984 Nintendo of America Inc.



X M - 200 I N



1. TRANSISTOR BASE INFORMATION.



2. RESISTOR, CAPACITOR: INFORMATION.

- RESISTOR - INFORMATION.  
F 10K  
RESISTOR VALUE IN  $\Omega$ .  
TYPE  
POWER RATING.  
AS TO 1/4W F-TYPE RESISTORS, RESISTANCE VALUES ALONE ARE GIVEN.
- CAPACITOR - INFORMATION  
500°C 100P  
EXRESSED IN P WHEN THE UNIT IS PF. OTHERWISE OMITTED.  
TYPE  
RATING VOLTAGE (THE UNIT "V" OR "VV" IS OMITTED.)  
AS TO "50V, C-TYPE" CAPACITORS VALUE IS ONLY GIVEN.

3. THIS BEING A FUNDAMENTAL SCHEMATIC THERE WILL BE SOME CASES THAT THE REAL CIRCUIT DOES NOT CONCIDE WITH THIS.

RESISTOR TYPE

- F: INSULATED FIXED CARBON FILM RESISTOR.
- N: INSULATED METAL FILM FIXED RESISTOR.
- R: INSULATED FIXED METAL OXIDE FILM RESISTOR.
- Y: INSULATED WIRE WOUND FIXED RESISTOR.
- C: FIXED CARBON COMPOSITION RESISTOR.

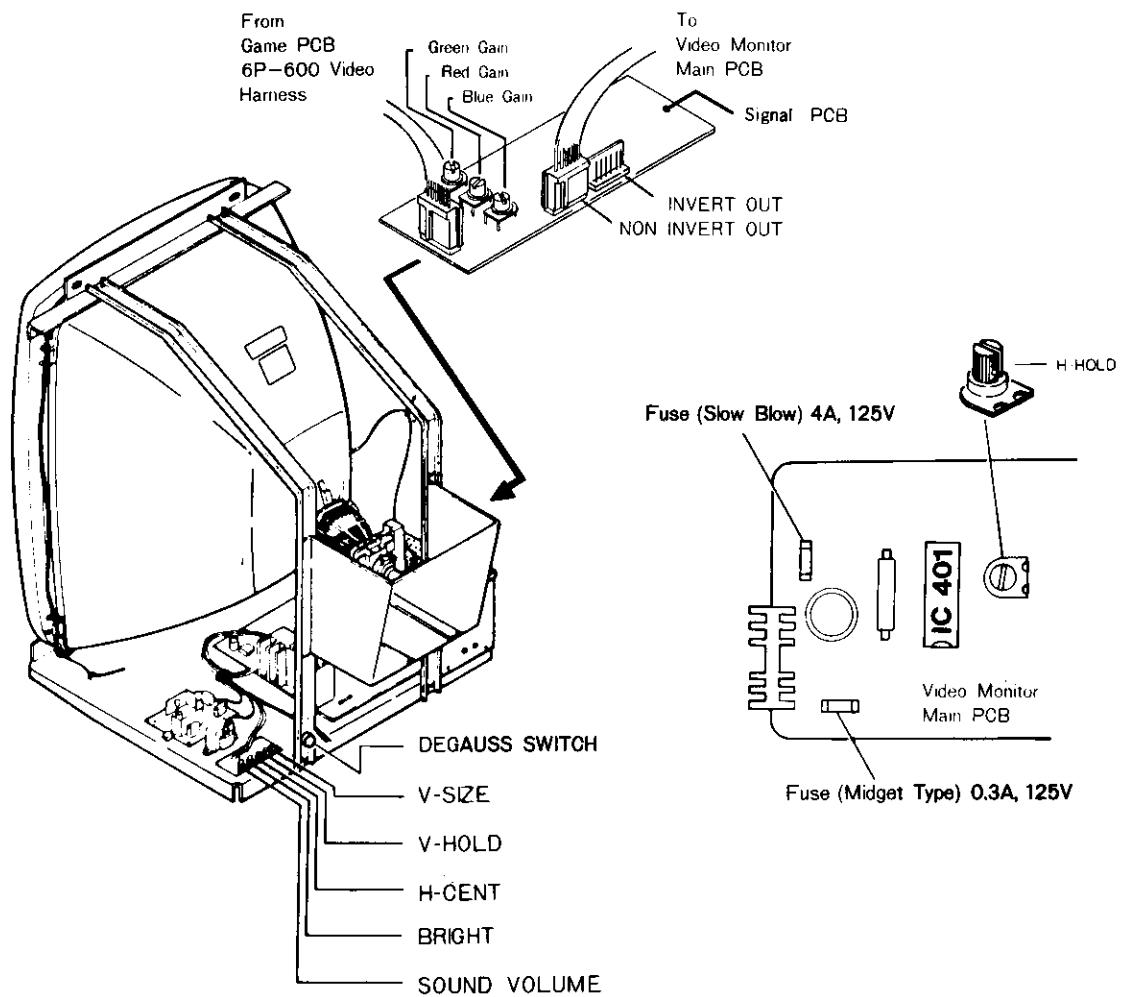
CAPACITOR TYPE

- C : FIXED CERAMIC CAPACITOR.
- EE : RADIAL TYPE ALUMINUM ELECTROLYTIC CAPACITOR.
- F : POLYESTER FILM CAPACITOR.
- N : POLYPROPYLENE FILM CAPACITOR.
- (NP) : NON-POLAR ALUMINUM ELECTROLYTIC CAPACITOR.

----- WARNINGS -----

1. Service work should only be performed by a qualified service technician.
2. An isolation transformer must be used between the AC supply and the AC plug of the monitor before servicing or testing is performed since the chassis and the heat-sink are directly connected to one side of the AC line which could present a shock hazard.  
Supply voltage of the video monitor : AC 90V - 110V  
50/60 Hz
3. X-RAY RADIATION WARNING AND PRODUCT SAFETY NOTICE !  
This video monitor contains circuits and components included specifically for safety purpose.  
For continued protection, no changes should be made to original design, and components identified by shading and by (▲) on schematic diagram should be replaced with exact factory replacement parts.  
DO NOT degrade the safty of the set through improper servicing.

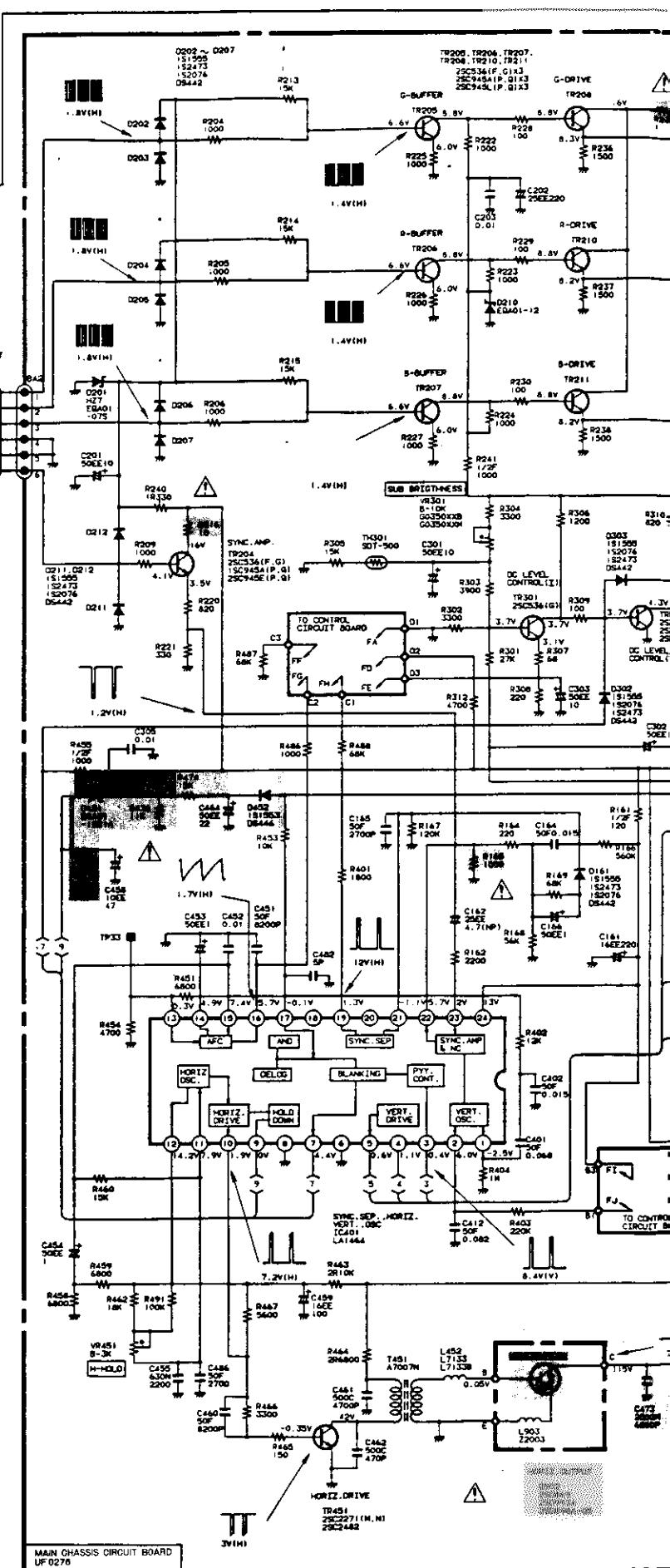
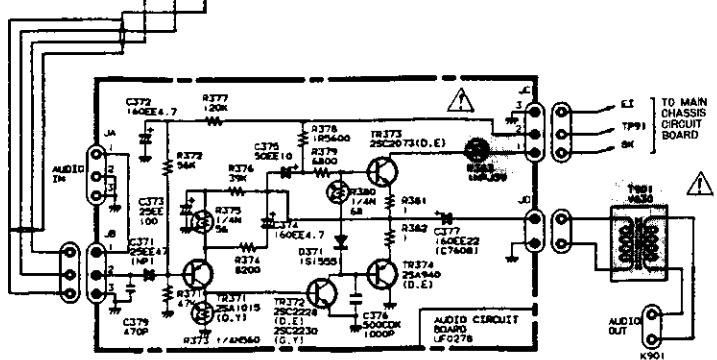
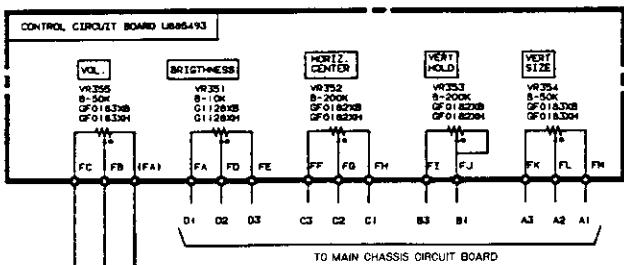
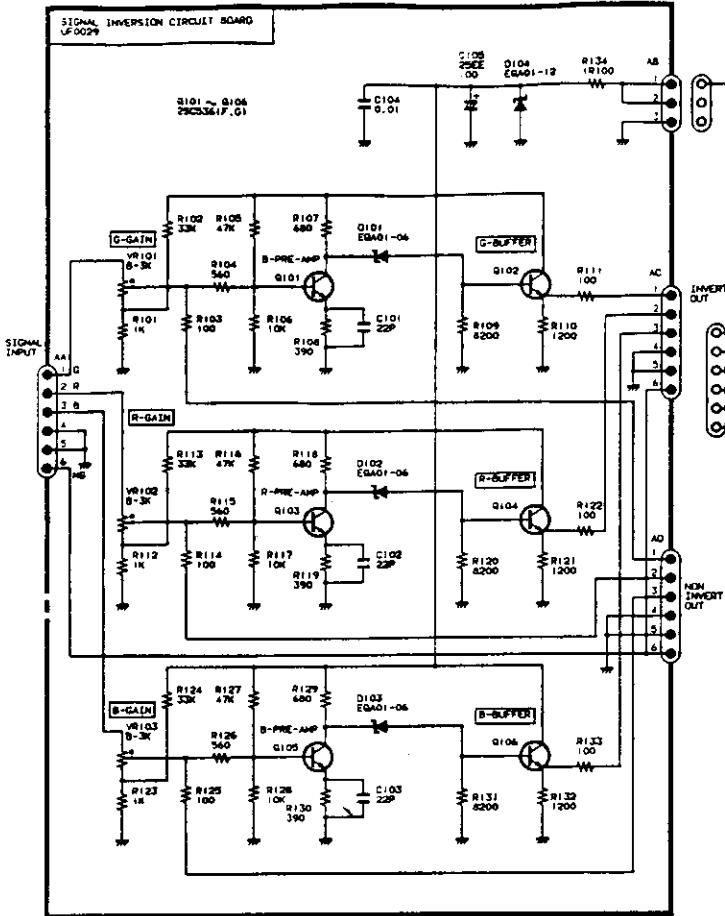
## Adjustment of Video Monitor

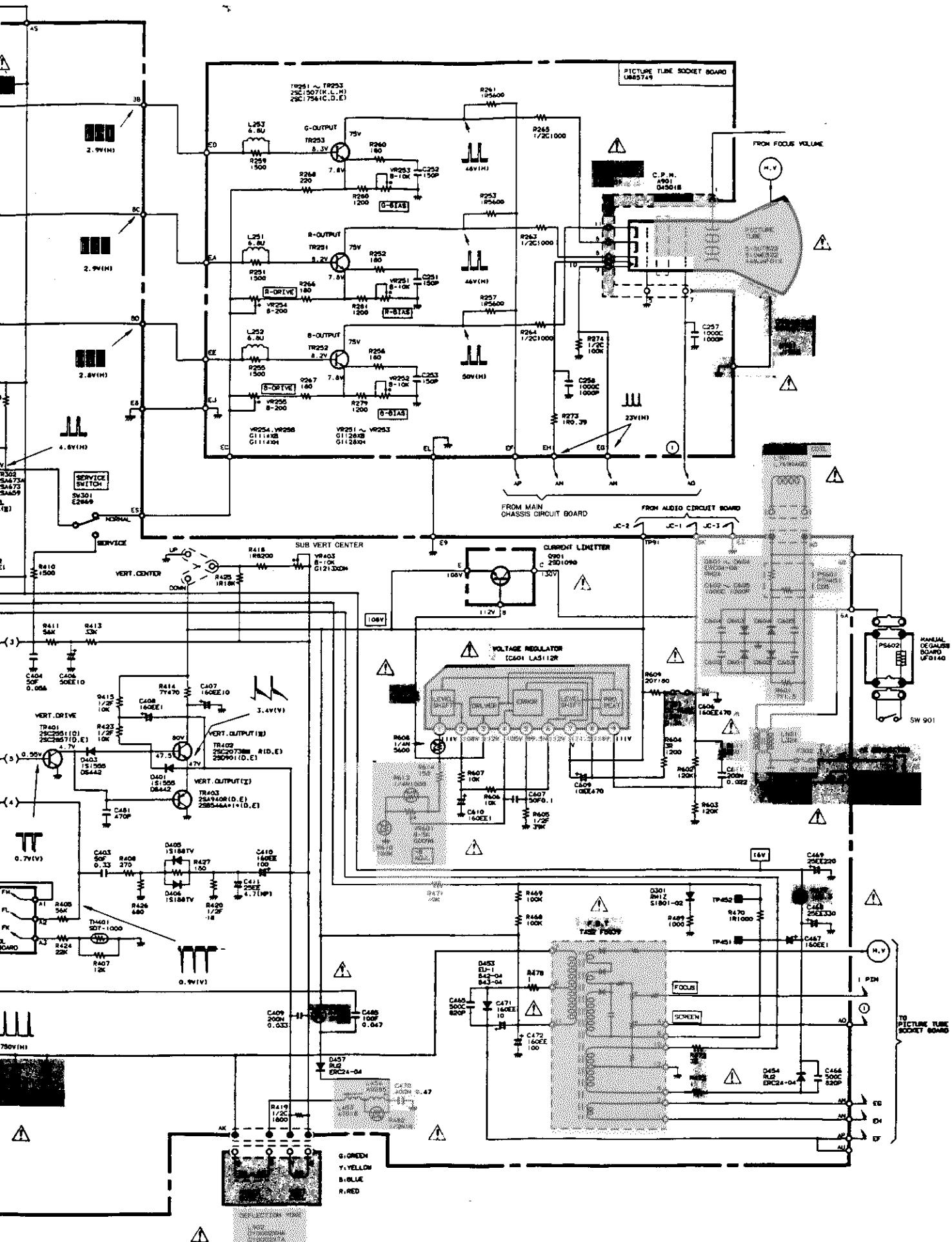


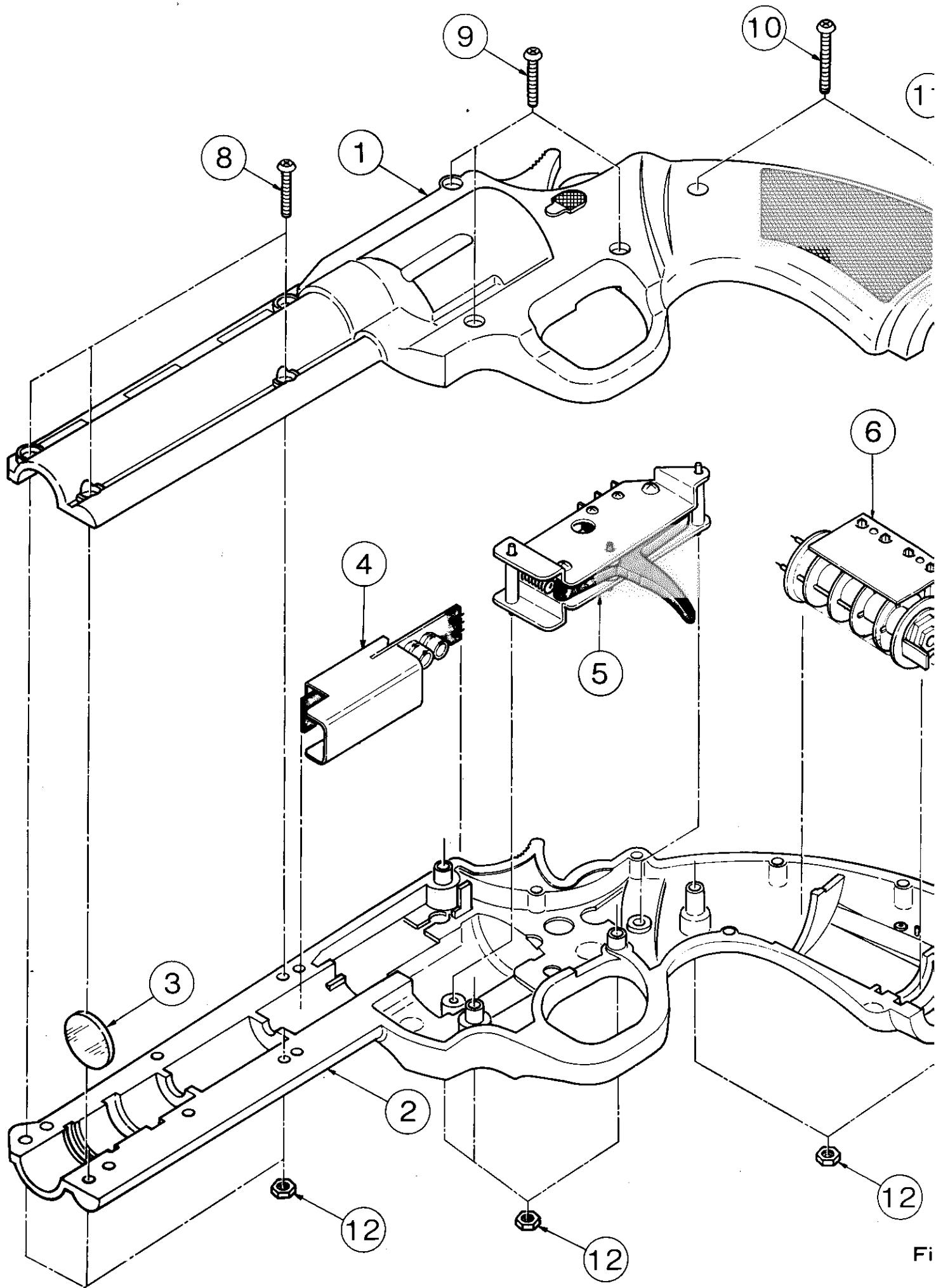
### WARNING

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# MODEL 20 - Z2 AW





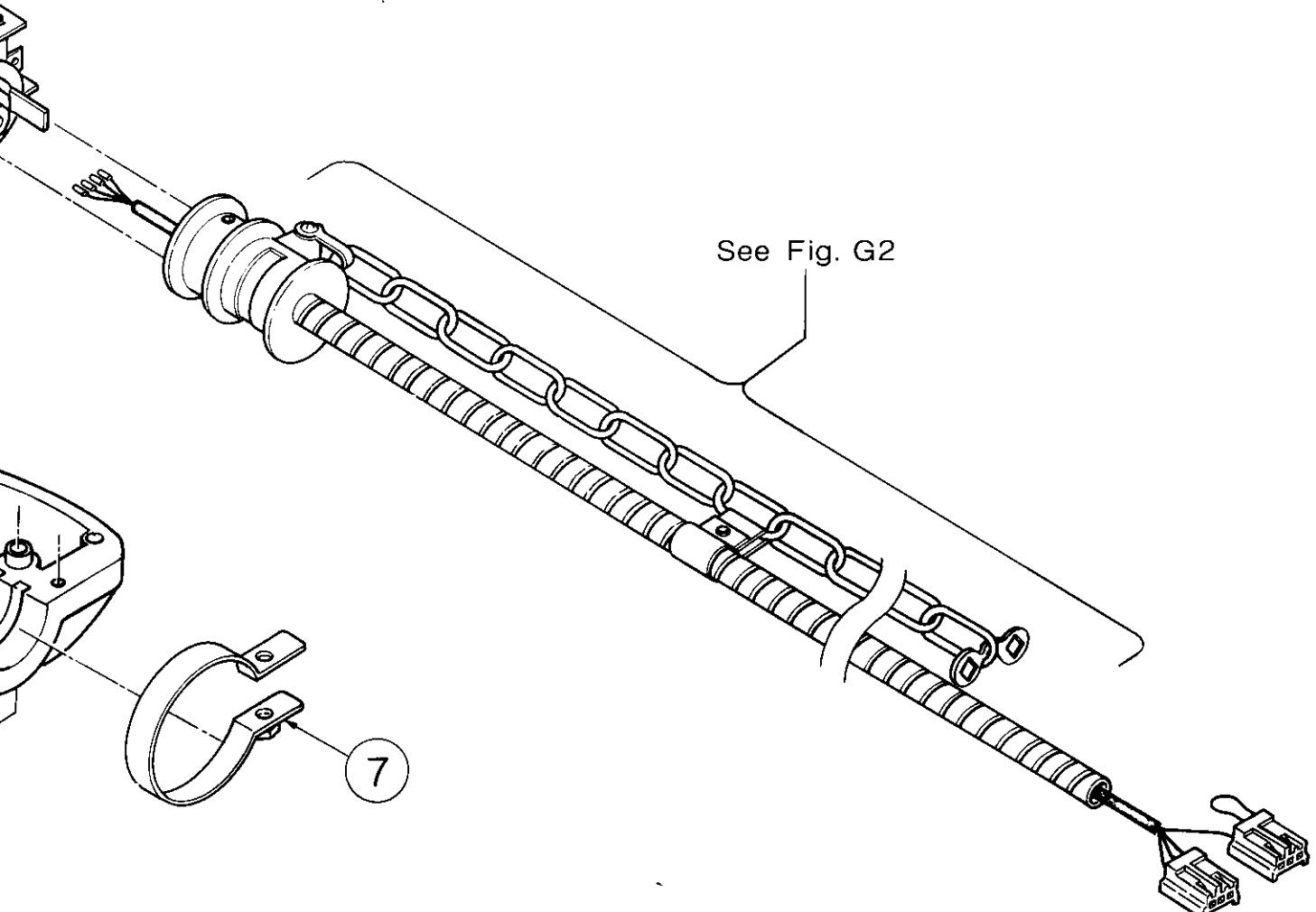


Fi

**Fig.G1 062G2 Gun Assembly : PARTS LIST**

ITEM	PART No.	DESCRIPTION
1	MDSG2-12-11	062G2 Gun Housing L
2	MDSG2-12-12	062G2 Gun Housing R
3	MDSG2-13-11	062G2 Lens F100
4	MDSG2-10-01	062G2 Gun P.C.Board Ass'y Complete
5	MDSG2-10-03	062G2 Trigger Ass'y Complete
6	MDSG2-10-02	062G2 Swivel Contact Ass'y Complete
7	MDSG2-11-18	062G2 Grip Retainer
8	MDSG2-51-11	LH-3 Screw 3x8 Black
9	MDSG2-51-12	LH-3 Screw 3x16 Black
10	MDSG2-51-13	LH-3 Screw 3x20 Black
11	MDSG2-51-20	LH-3 Screw 3x18 Nickel
12	MDSG2-53-15	Nut M3 Black

See Fig. G2



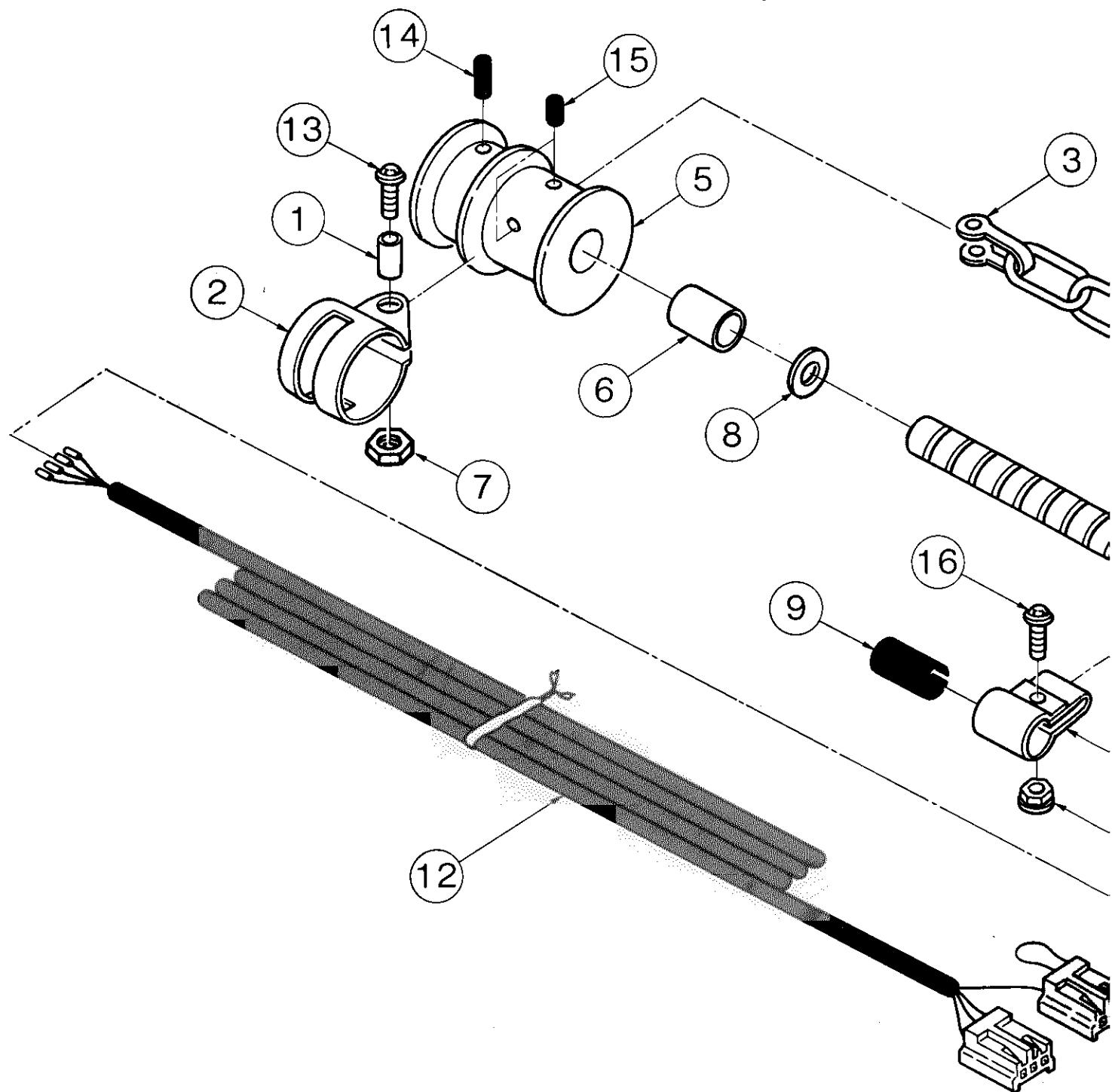
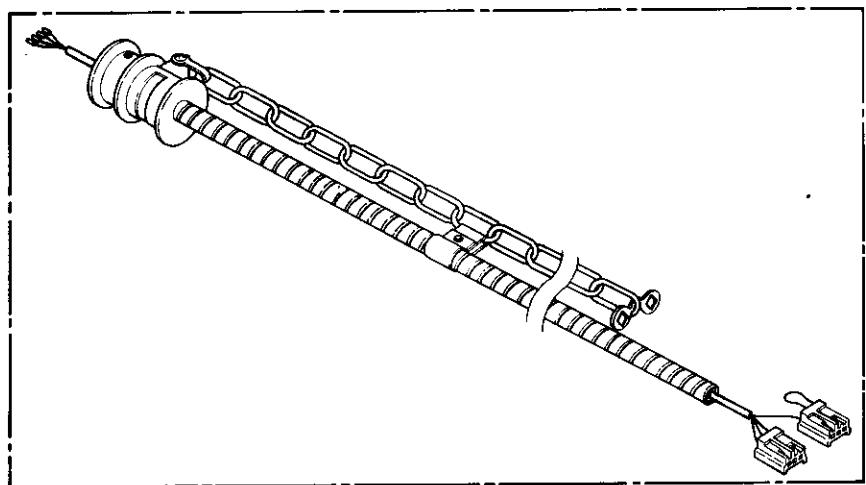
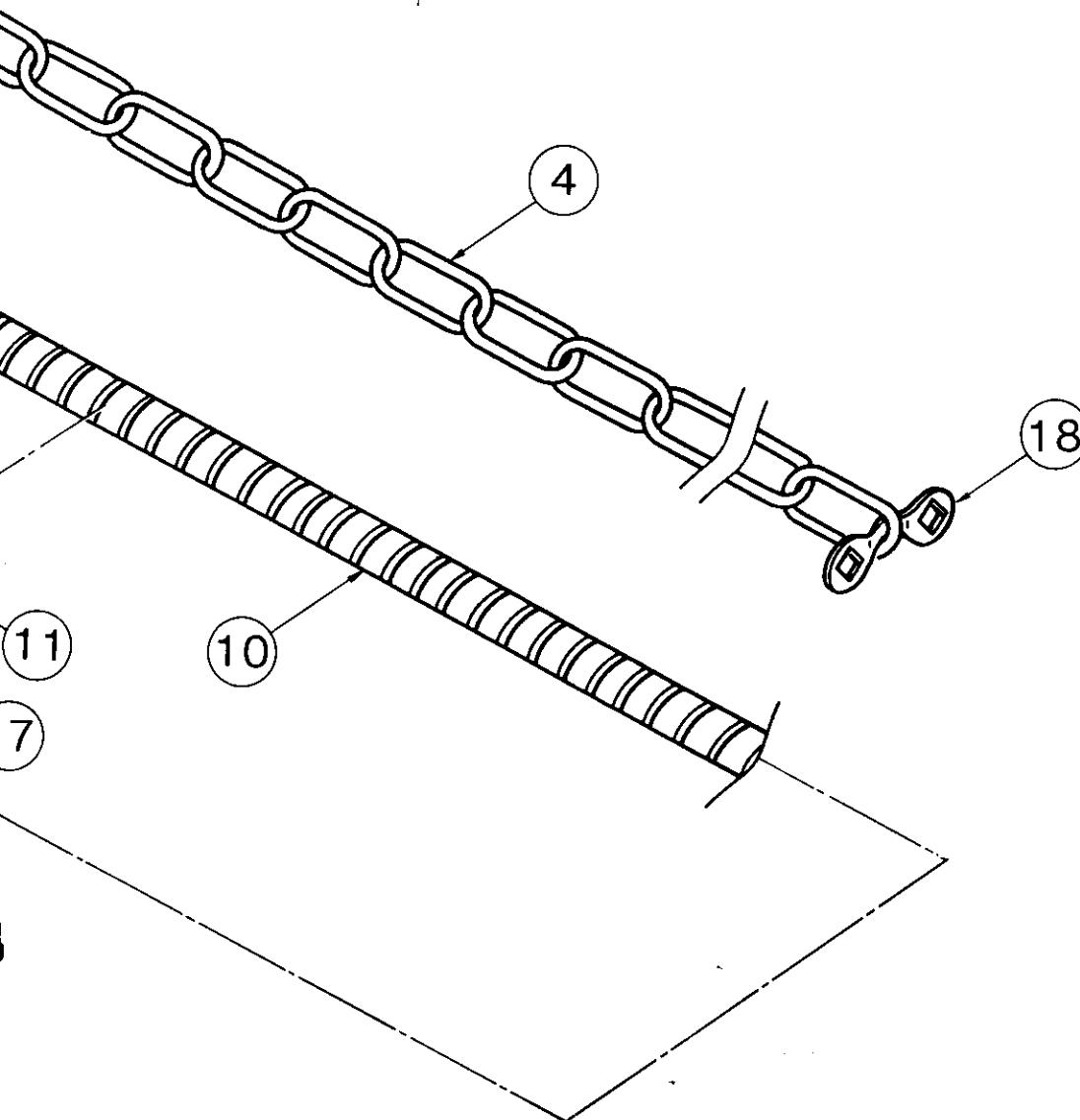
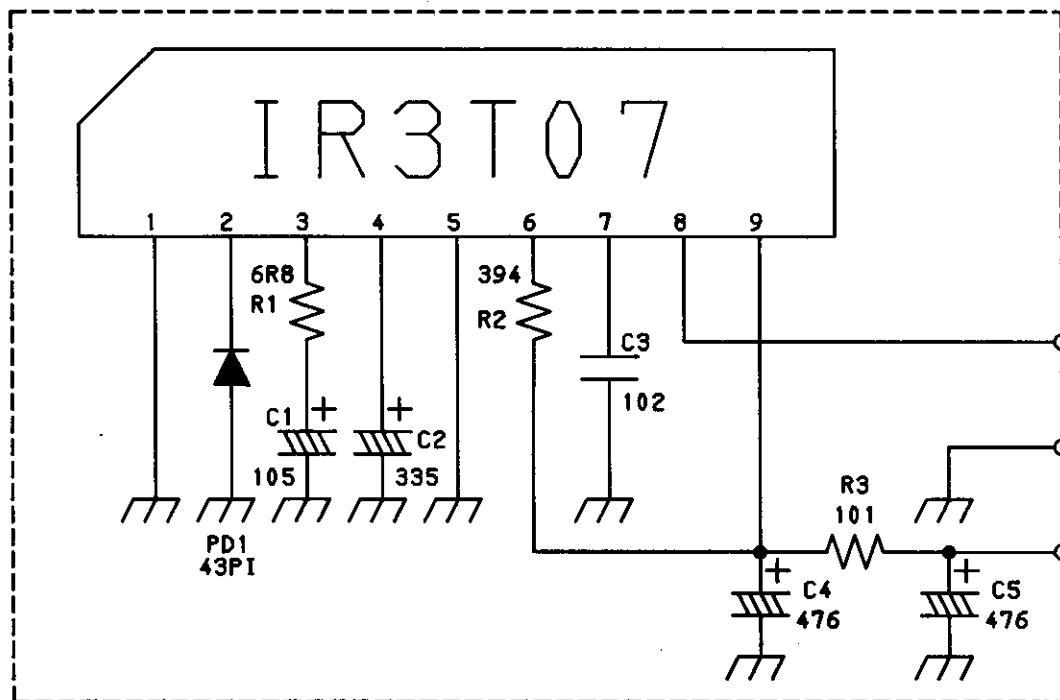


Fig.G2

Fig.G2

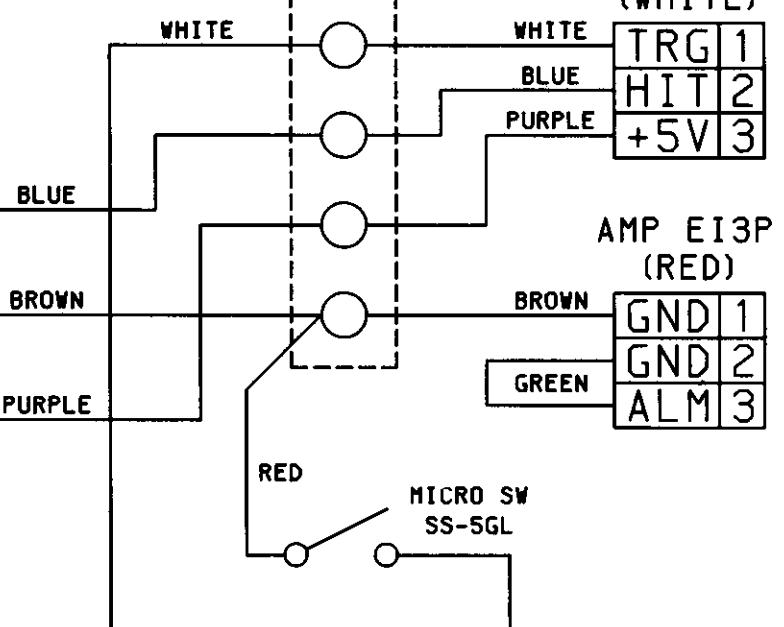
ITEM	PART No.	DESCRIPTION
1	MDSG-11-16	062 Chain Frame Collar 4D
2	MDSG2-11-21	062G2 Chain Frame
3	MDSG2-11-17	062G2 Gun Chain Hook G
4	MDSG2-11-20	062G2 Chain 900L
5	MDSG2-11-11	062G2 Grip Swivel Frame
6	MDSG2-11-13	062G2 Cord Stop Collar 6.4D
7	MDSG2-53-14	Nut M3 Nickel
8	MDSG2-54-11	Washer M4.5
9	MDSG2-43-11	Double Sided Adhesive Tape
10	MDSG-11-24	062 Gun Flexible Cable 1000L
11	MDSG2-11-19	062G2 Chain Ring Frame
12	MDSG2-41-11	062G2 Gun Harness 4C-1600L
13	MDSG2-51-15	LH-3 Screw 3x10 Nickel
14	MDSG2-51-16	Set Screw 4x10
15	MDSG2-51-17	Set Screw 4x6
16	MDSG2-51-14	LH-3 Screw 3x6 Nickel
17	MDSG2-53-12	Flange Nut M3 Nickel
18	MDSG2-63-13	062 Gun Chain Hook C





062G2 GUN P.C.B. ASSY

SWIVEL CONTACT ASSY



CIRCUIT DIAGRAM				
PARTS NO	PARTS NAME	MATERIAL DESCRIPTION	QTY	REMARKS
DESIGN	T. SUMI	DATE	SCALE	
CHECK		25-APR-86	/	SIZE A4
APPROVE				TRIGONOMETRY
			NAME	
			062G2 GUN	
			DRAWING NO	
			412	

MARK	CHANGE NOTE	DESIGN	APPROVE
------	-------------	--------	---------

NINTENDO