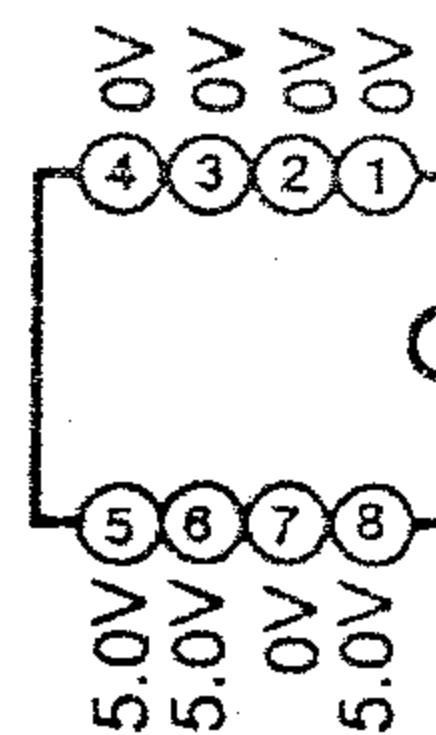
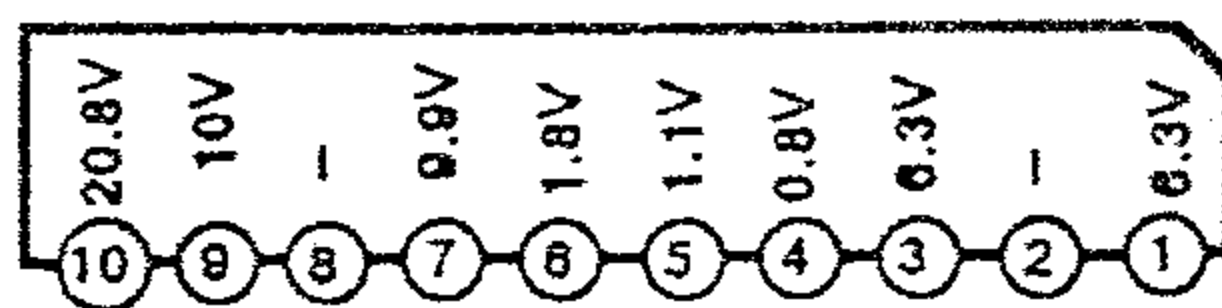
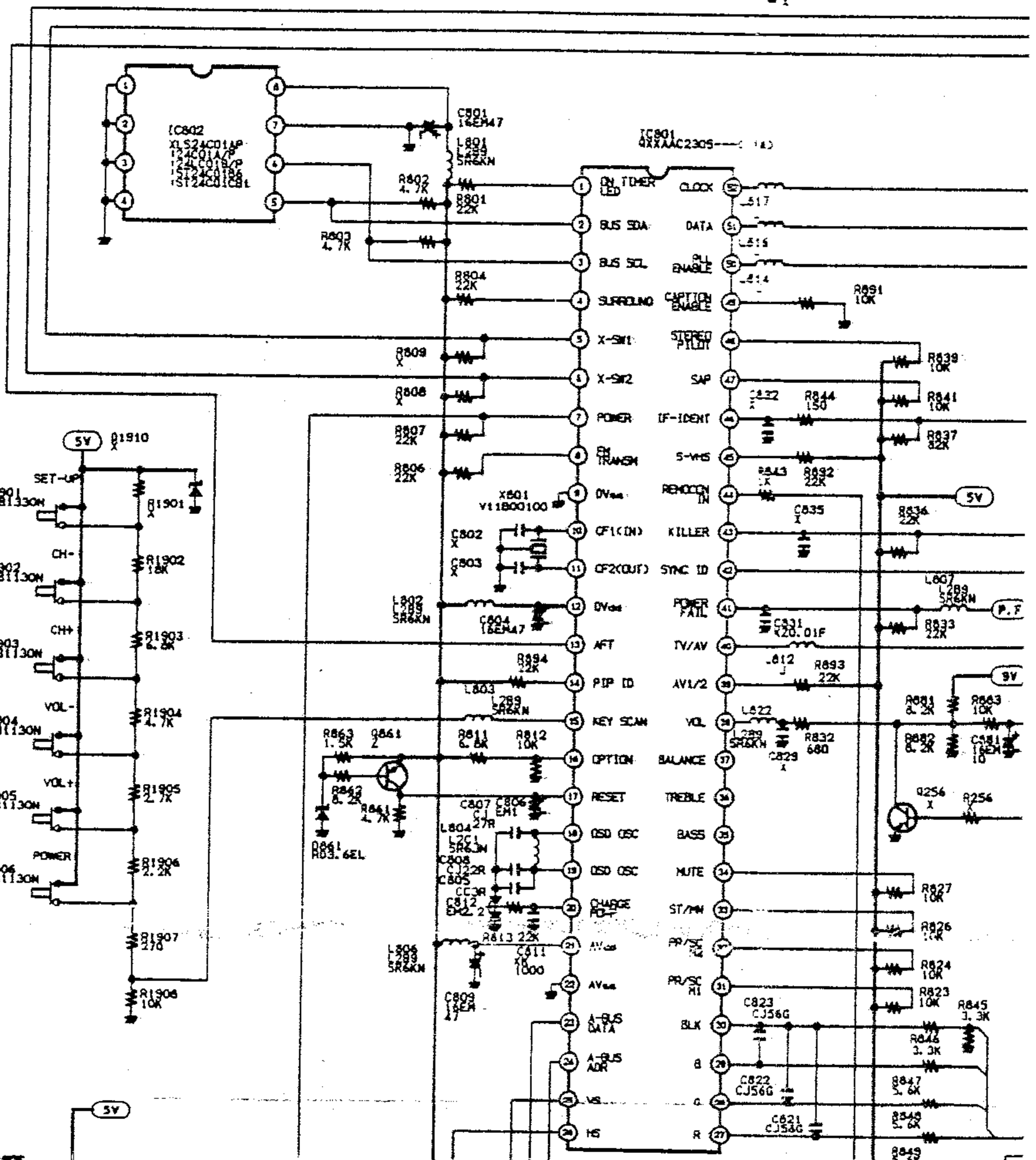
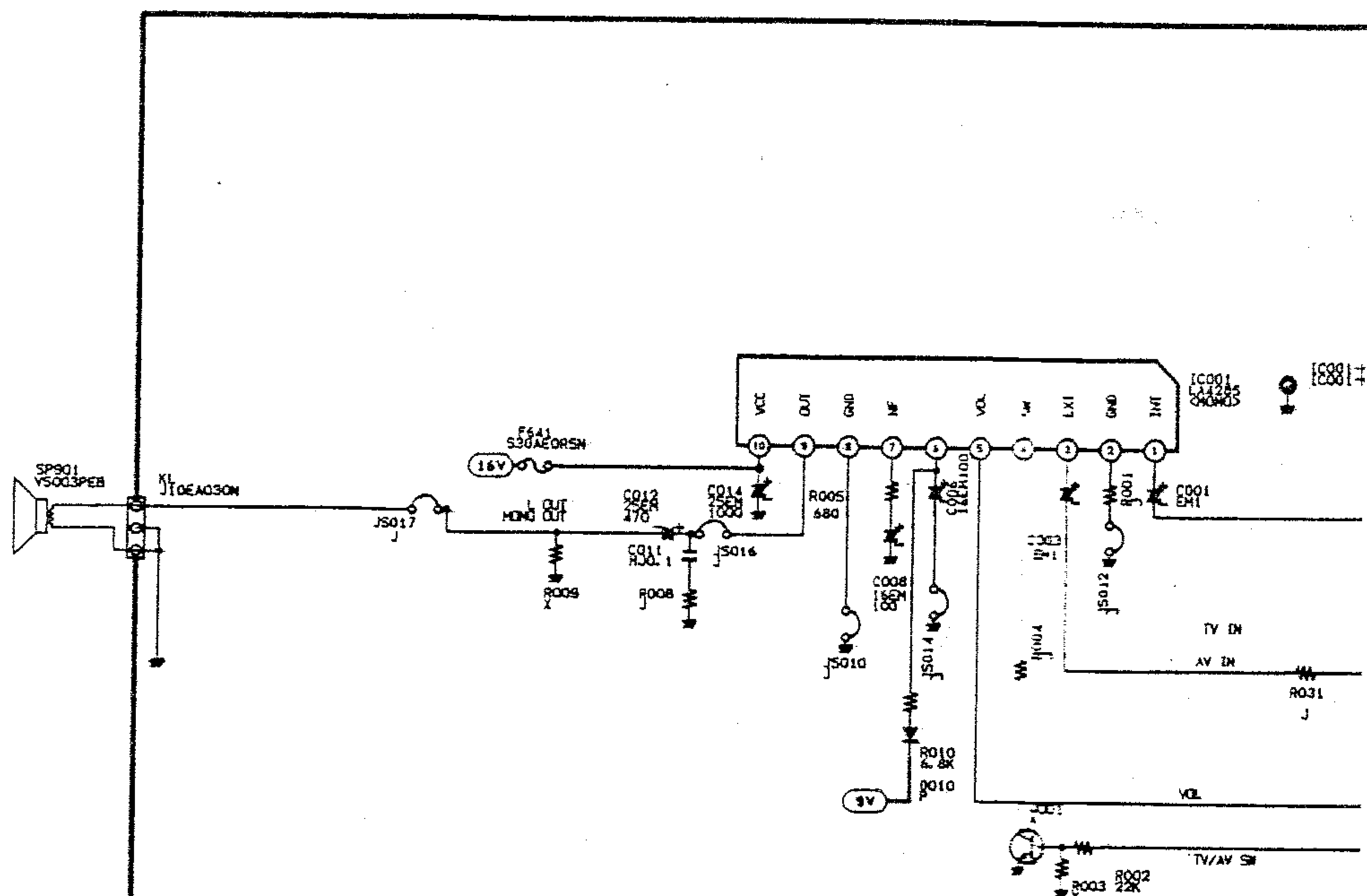


IC001 AUDIO AMP.



IC802 MEMORY

Q001	
	VOLT.
B	0.2V
C	0.6V
E	0V



Q861	
	VOLT.
B	4.4V
C	5.0V
E	5.0V

Q851	
	VOLT.
B	5.0V
C	0V
E	5.0V

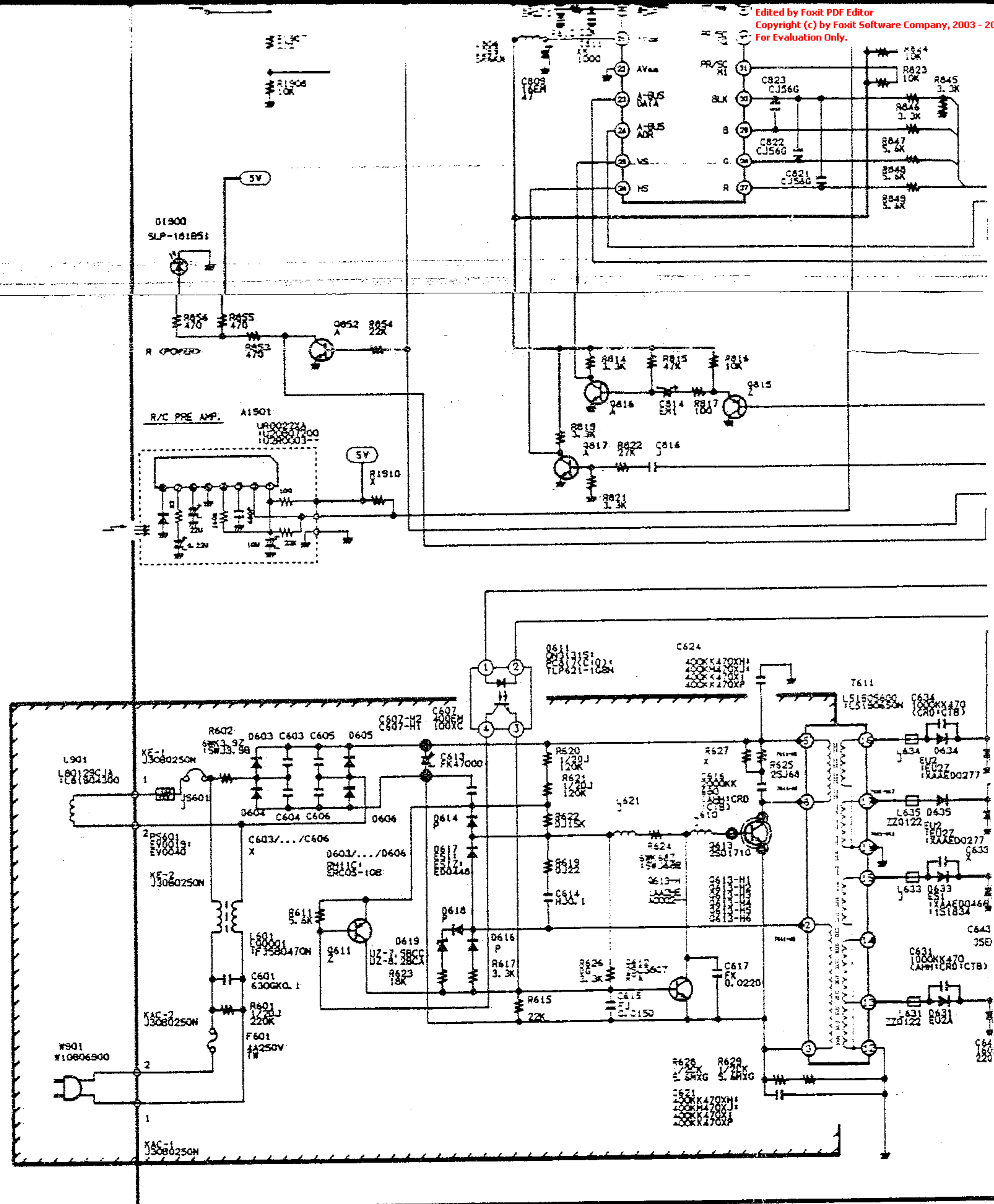
Q852	
	VOLT.
B	0.7V
C	0V
E	0V

Q852	
VOLT.	
B	0.7V
C	0V
E	0V

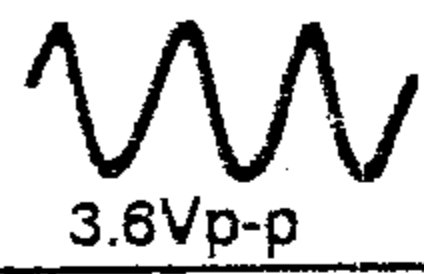
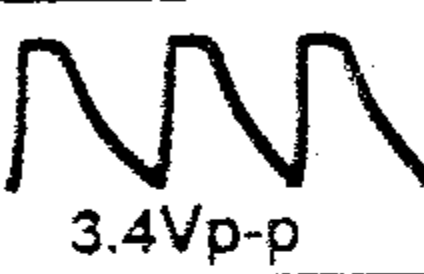
Q815	
VOLT.	
B	4.4V
C	0V
E	4.9V



Q816	
VOLT.	
B	0.5V
C	0.2V
E	0V

Q817	
VOLT.	
B	-2.6V
C	4.0V
E	0V



Q611	
VOLT.	
B	14.2V
C	-0.7V
E	14.4V

Q612		
	VOLT.	WAVEFORM
B	-0.7V	 3.6Vp-p
C	-0.8V	 3.4Vp-p
E	0V	-----

Q613		
	VOLT.	WAVEFORM
B	-0.8V	
C	313V	
E	0V	---

THE SERVICE PRECAUTION:

The area enclosed by this line() is directly connected with AC mains voltage. When servicing the area, connect an isolating transformer between TV receiver and AC line to eliminate hazard of electric shock.




FISHER

COLOUR TELEVISION

LA3-C CHASSIS SERIES

SERVICE REF. NO. **FTM6120B-00**

PRODUCT SAFETY NOTICE:

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a mark  in this circuit diagram show components whose values have special significance to product safety. It is particularly recommended that only parts specified on the part service manual be used for components replacement pointed out by the mark.

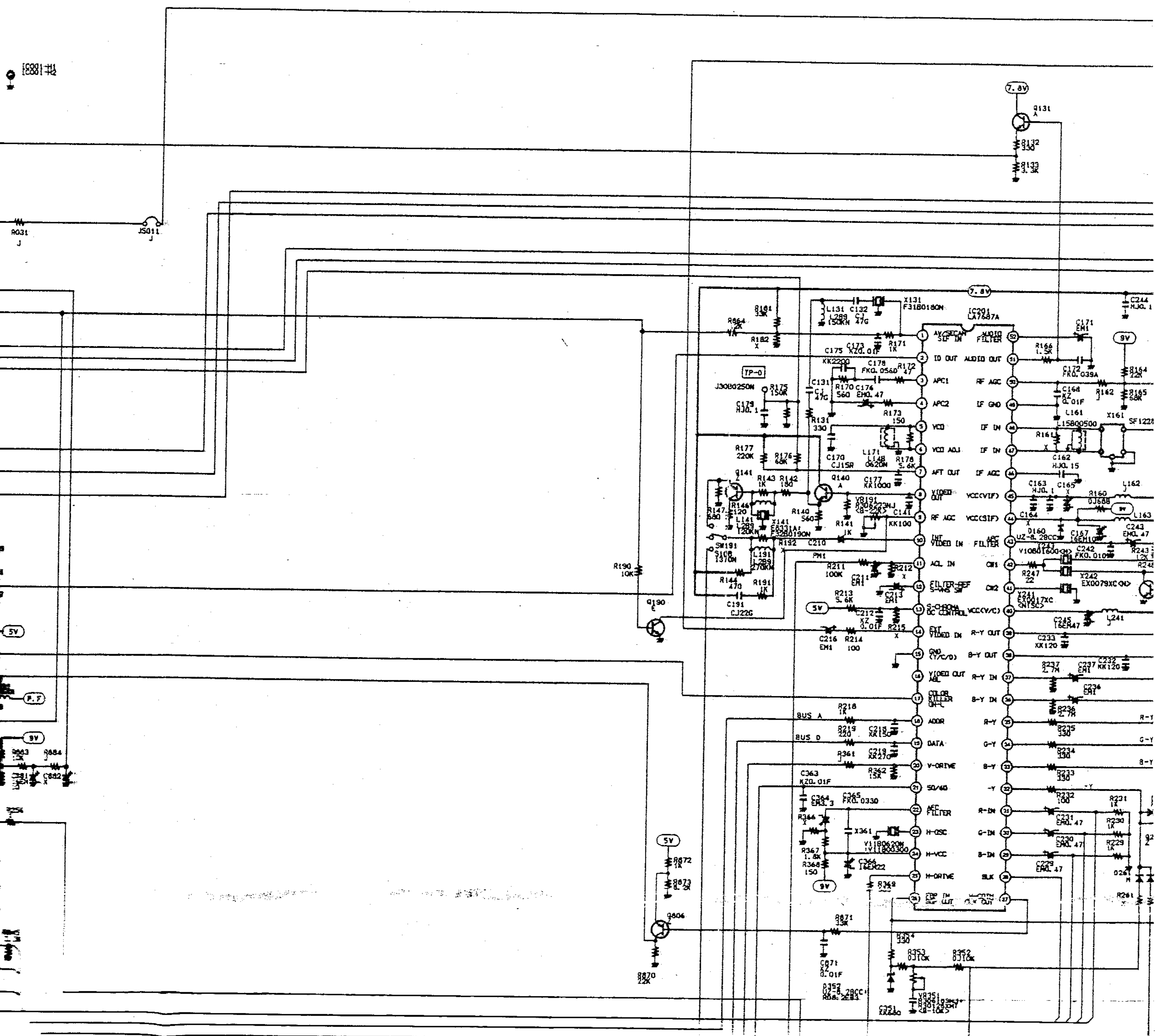
CIRCUIT

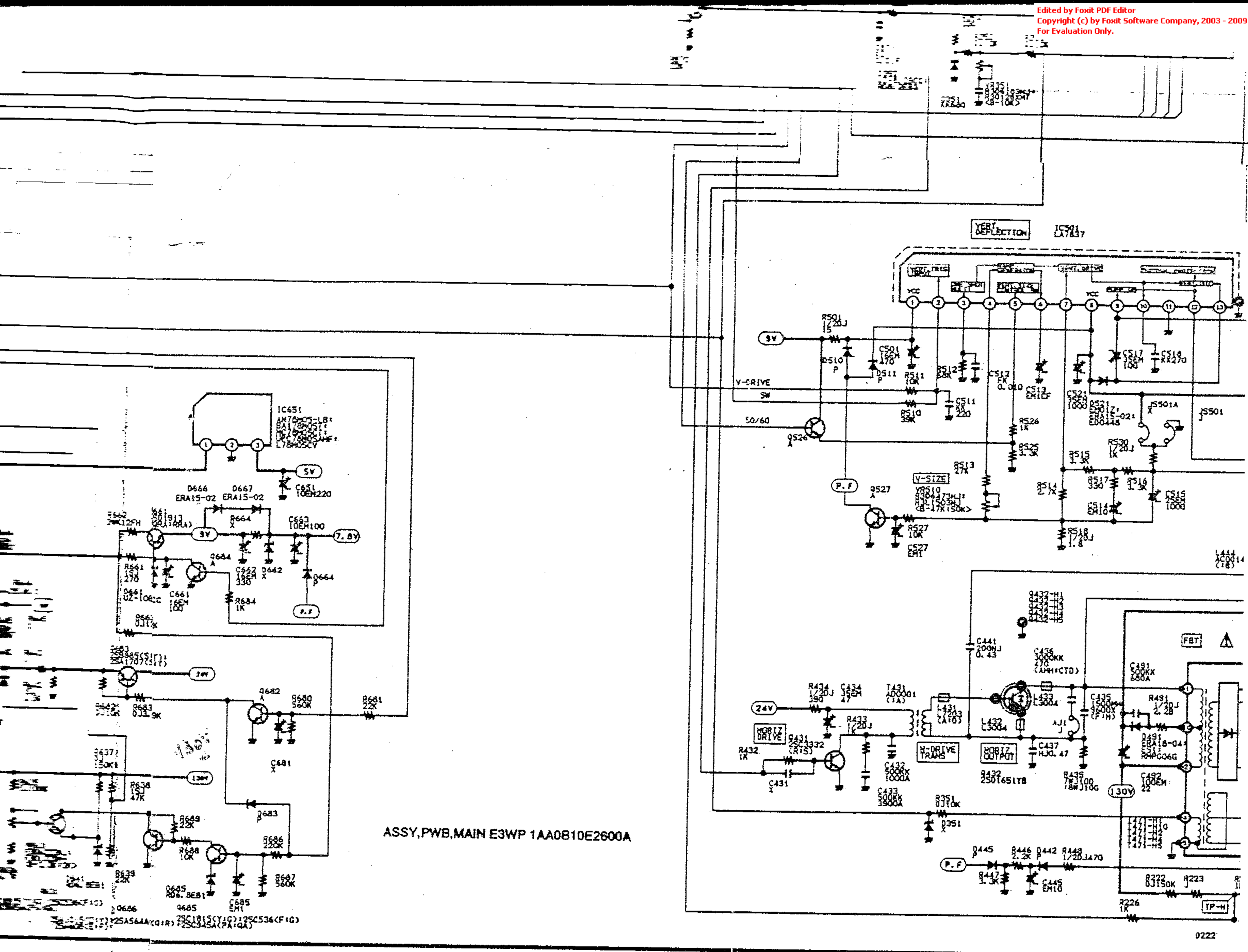
1. All resis
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chassis


01
OLT.
0.2V
0.6V
0V

	VOL
B	3.8V
C	8.0V
E	3.2V

	Q140
	VOLT
B	2.4V
C	0.8V
E	3.0V





	IC:651	<table><tr><td colspan="2">Q631</td></tr><tr><td>VOLT.</td><td></td></tr><tr><td>B</td><td>6.9V</td></tr><tr><td>C</td><td>35.2V</td></tr><tr><td>E</td><td>6.3V</td></tr></table>	Q631		VOLT.		B	6.9V	C	35.2V	E	6.3V	<table><tr><td colspan="2">Q682</td></tr><tr><td>VOLT.</td><td></td></tr><tr><td>B</td><td>0.7V</td></tr><tr><td>C</td><td>0V</td></tr><tr><td>E</td><td>0V</td></tr></table>	Q682		VOLT.		B	0.7V	C	0V	E	0V	<table><tr><td colspan="2">Q683</td></tr><tr><td>VOLT.</td><td></td></tr><tr><td>B</td><td>23.7V</td></tr><tr><td>C</td><td>24.3V</td></tr><tr><td>E</td><td>24.4V</td></tr></table>	Q683		VOLT.		B	23.7V	C	24.3V	E	24.4V	<table><tr><td colspan="2">Q685</td></tr><tr><td>VOLT.</td><td></td></tr><tr><td>B</td><td>0.5V</td></tr><tr><td>C</td><td>35.5V</td></tr><tr><td>E</td><td>0.6V</td></tr></table>	Q685		VOLT.		B	0.5V	C	35.5V	E	0.6V	<table><tr><td colspan="2">Q686</td></tr><tr><td>VOLT.</td><td></td></tr><tr><td>B</td><td>35.2V</td></tr><tr><td>C</td><td>0V</td></tr><tr><td>E</td><td>35.3V</td></tr></table>	Q686		VOLT.		B	35.2V	C	0V	E	35.3V	<table><tr><td colspan="2">Q526</td></tr><tr><td>VOLT.</td><td></td></tr><tr><td>B</td><td>4.0V</td></tr><tr><td>C</td><td>9.5V</td></tr><tr><td>E</td><td>3.5V</td></tr></table>	Q526		VOLT.		B	4.0V	C	9.5V	E	3.5V	<table><tr><td colspan="2">VOLT.</td></tr><tr><td>B</td><td>0.4</td></tr><tr><td>C</td><td>13.5</td></tr><tr><td>E</td><td>0V</td></tr></table>	VOLT.		B	0.4	C	13.5	E	0V
	Q631																																																																											
	VOLT.																																																																											
	B	6.9V																																																																										
C	35.2V																																																																											
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B	0.4																																																																											
C	13.5																																																																											
E	0V																																																																											
	<table><tr><td colspan="2">Q661</td></tr><tr><td>VOLT.</td><td></td></tr><tr><td>B</td><td>9.5V</td></tr><tr><td>C</td><td>11.0V</td></tr><tr><td>E</td><td>10.2V</td></tr></table>	Q661		VOLT.		B	9.5V	C	11.0V	E	10.2V	<table><tr><td colspan="2">Q684</td></tr><tr><td>VOLT.</td><td></td></tr><tr><td>B</td><td>0V</td></tr><tr><td>C</td><td>10.4V</td></tr><tr><td>E</td><td>0V</td></tr></table>	Q684		VOLT.		B	0V	C	10.4V	E	0V	<table><tr><td colspan="2">Q527</td></tr><tr><td>VOLT.</td><td></td></tr><tr><td>B</td><td>0V</td></tr><tr><td>C</td><td>5.0V</td></tr><tr><td>E</td><td>0V</td></tr></table>	Q527		VOLT.		B	0V	C	5.0V	E	0V																																											
Q661																																																																												
VOLT.																																																																												
B	9.5V																																																																											
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E	0V																																																																											
Q527																																																																												
VOLT.																																																																												
B	0V																																																																											
C	5.0V																																																																											
E	0V																																																																											

GRAM NOTICE:

The value are in ohms, K=1,000, M=1,000,000.

The rated wattages are 1/6W unless otherwise noted.

Electrolytic capacitors, all capacitance values of less than 1 are in μ F and more than 1 are pF.

Capacitor rated voltages are 50V unless otherwise noted.

Resistor values are in μ H.I.

Measurements taken with a "VTVM" are from point indicated.

Voltage readings taken by using NTSC colour bar signal controls at normal position. Some voltages may vary with time.

Measurements were taken with NTSC colour bar and controls adjusted for level. Waveforms were taken by using a wide band oscilloscope and probe.

This diagram covers a basic or representative chassis only. There may be components or partial circuit differences between the actual and the circuit diagram.

9. Expression of capacitance and resistance in circuit diagram.

Capacitance(Example)

1000 C M 2000 D

Characteristic

Capacitance value(220pF)

Allowable error (\pm 20%)

Kind (Ceramic)

Rated voltage (1,000V)

Resistance(Example)

1/2 N J 1.2

Resistance value(1.2 Ω)

Allowable error(\pm 5%)

Kind(M.carbon)

Rated wattage(1/2W)

J= \pm 5%

K= \pm 10%

M= \pm 20%

T.A.U.D:

Electrolytic

C,K,B.Ceramic

F: Mylar film

M,N: Polypropylene

Z: Metalized paper

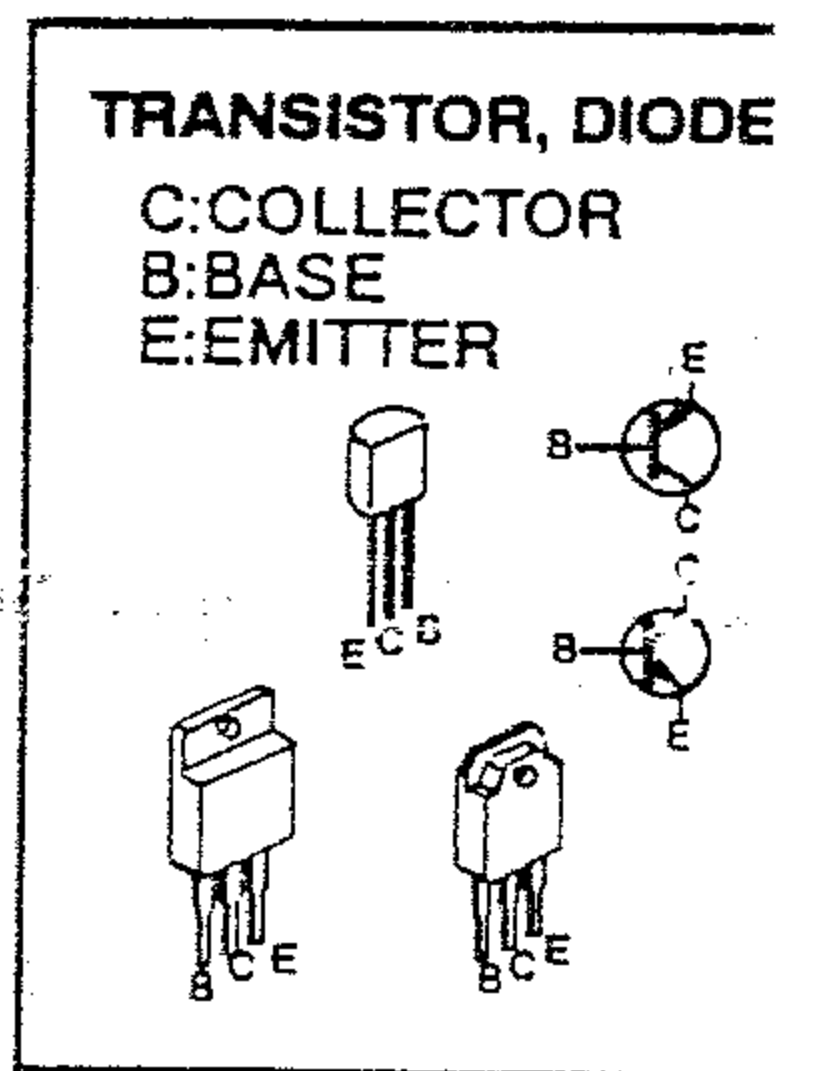
D: Carbon

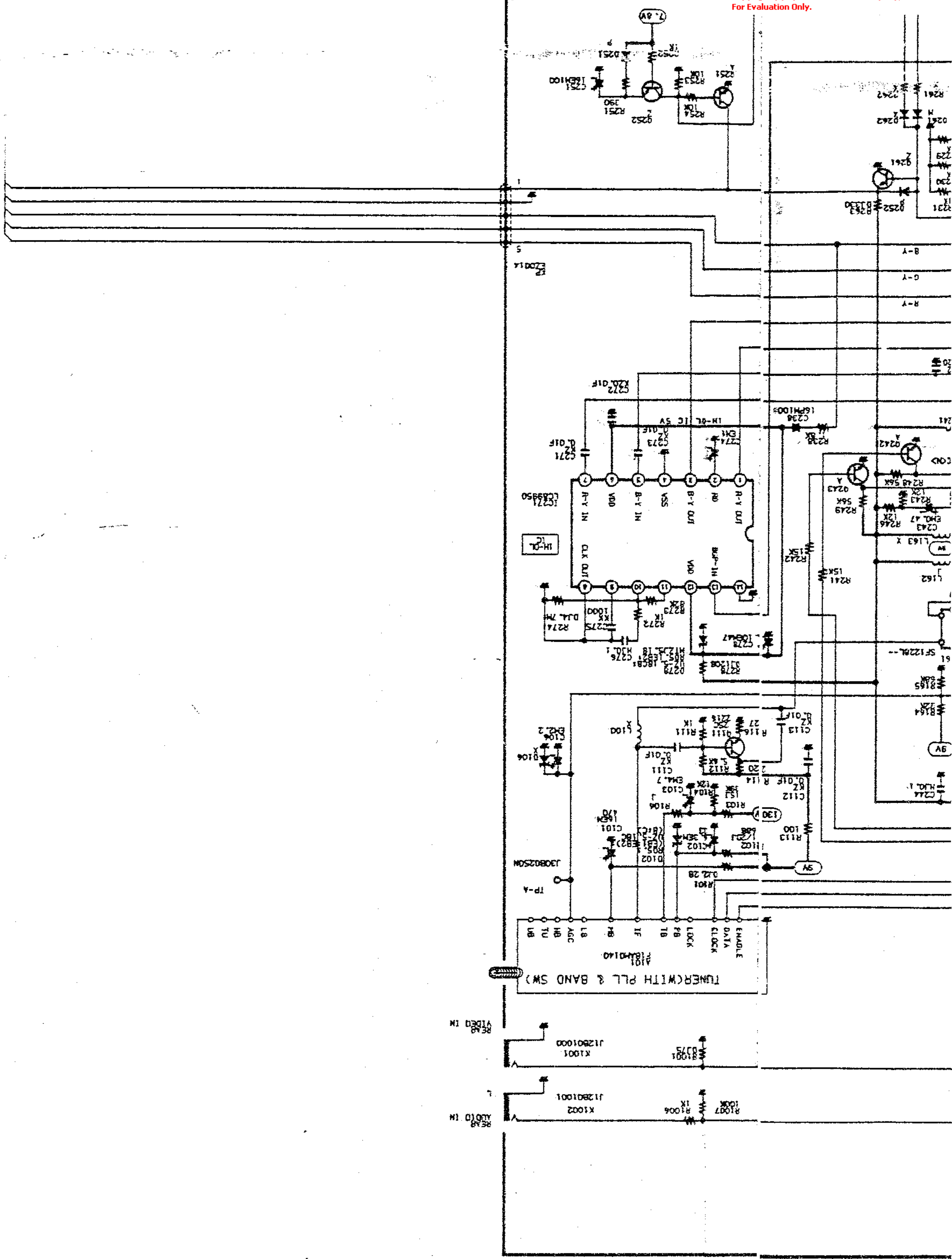
N: Metalized carbon

S: Oxide metalized

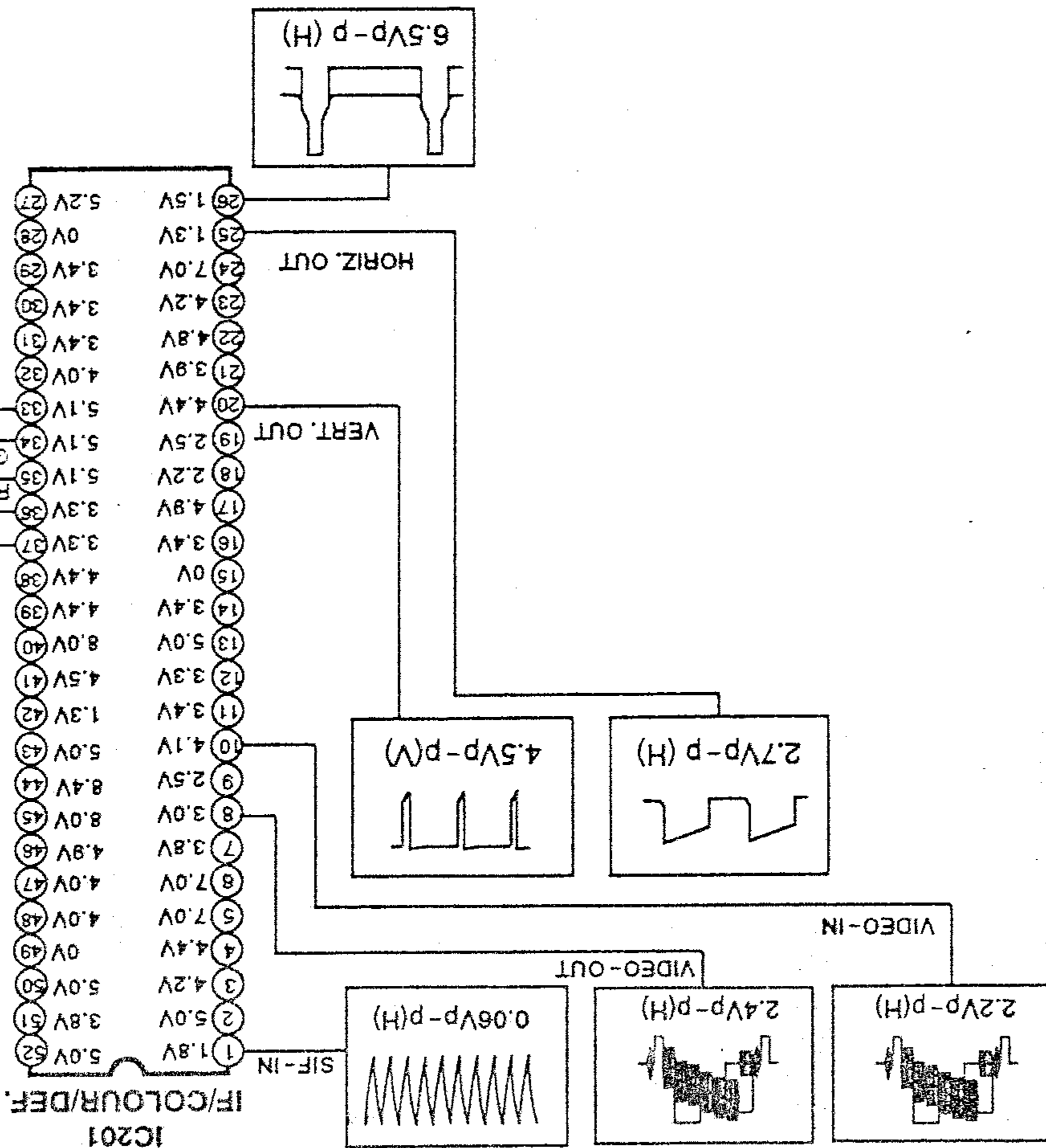
W: Wirewinding

C: Solid

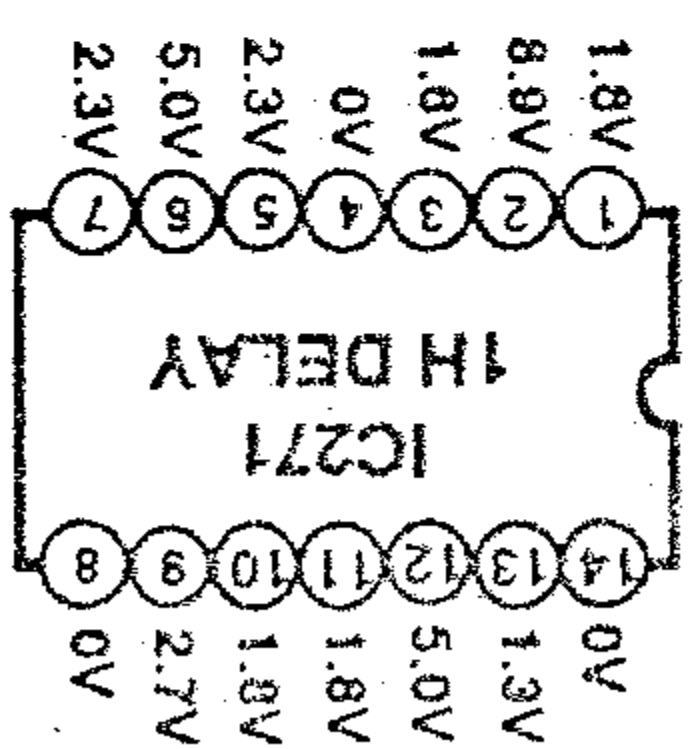




Q251		VOLT.	B	0V	C	4.6V	E	0V
Q252		VOLT.	B	8.0V	C	0V	E	8.0V



IC201	IF/COLOUR/DEF.	1	1.8V	2	5.0V	3	4.2V	4	4.4V	5	7.0V	6	4.0V	7	4.8V	8	3.0V	9	2.5V	10	4.1V	11	3.4V	12	3.3V	13	5.0V	14	3.4V	15	0V	16	3.4V	17	4.8V	18	2.2V	19	2.5V	20	4.4V	21	3.8V	22	4.8V	23	4.2V	24	7.0V	25	1.3V	26	1.5V	27	5.2V
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Q141		VOLT.	B	3.0V	C	8.0V	E	2.4V
Q806		VOLT.	B	5.1V	C	1.2V	E	4.5V
Q111		VOLT.	B	5.5V	C	0.4V	E	1.1V

	DIODE	M	1SS176,1SS178,G,MA01	p	1S1553,1S2076A,1S2471,1N1448	R	1S1553,1S2473,1S2076,1S5442,1N1448
--	-------	---	----------------------	---	------------------------------	---	------------------------------------

25A608	25A564A	25A1015	25A593S	25A933S	KSA733C
Z	E.F	Q.R	O.Y.G	Q.R	Q.R
Y	T.C	Q.R	O.Y.G	Q.R	
W	F	R	Y.G	R	
V	E.F	Q.R	O.Y.G	O.R	Y.G
U	F	R	Y.G	R	G

(E00E)

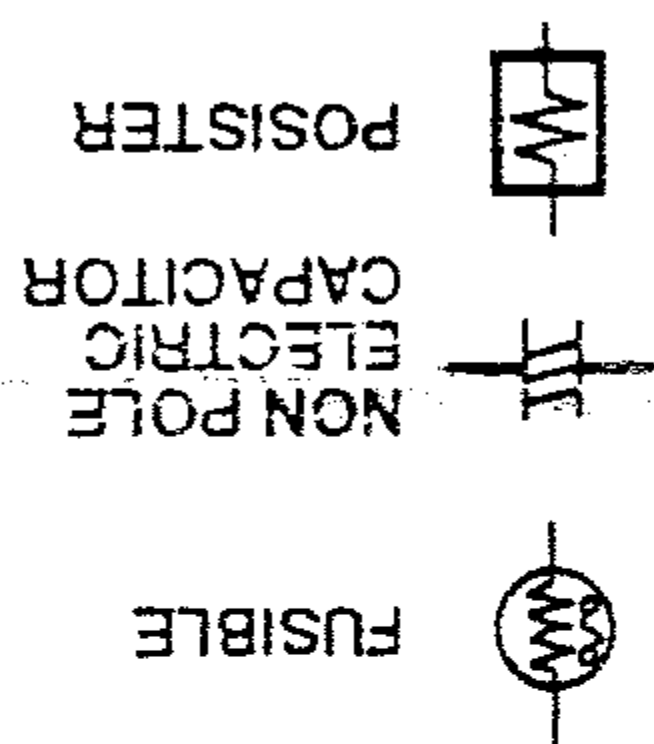
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
25C9586	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
25C945A	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

(NPN, TR)

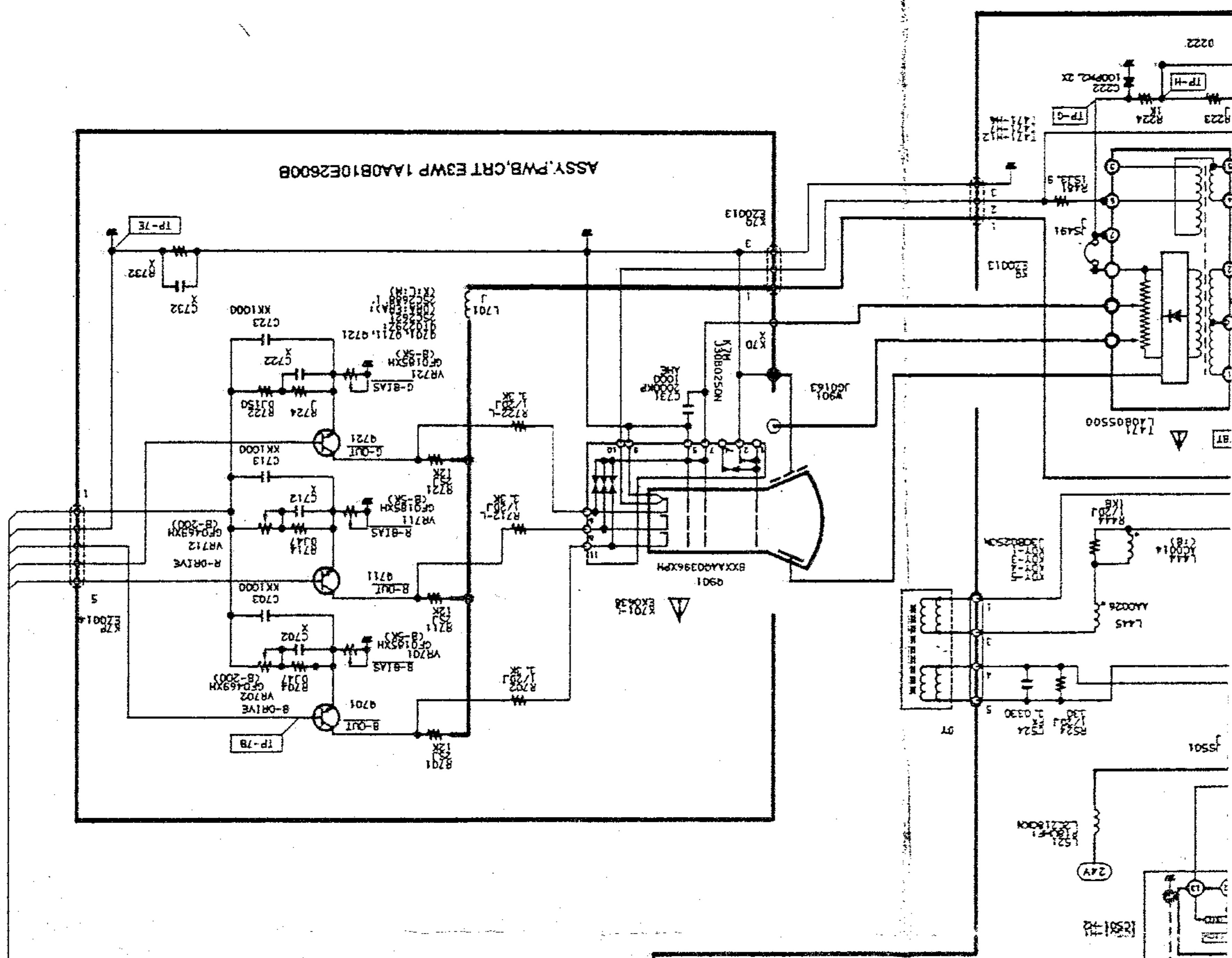
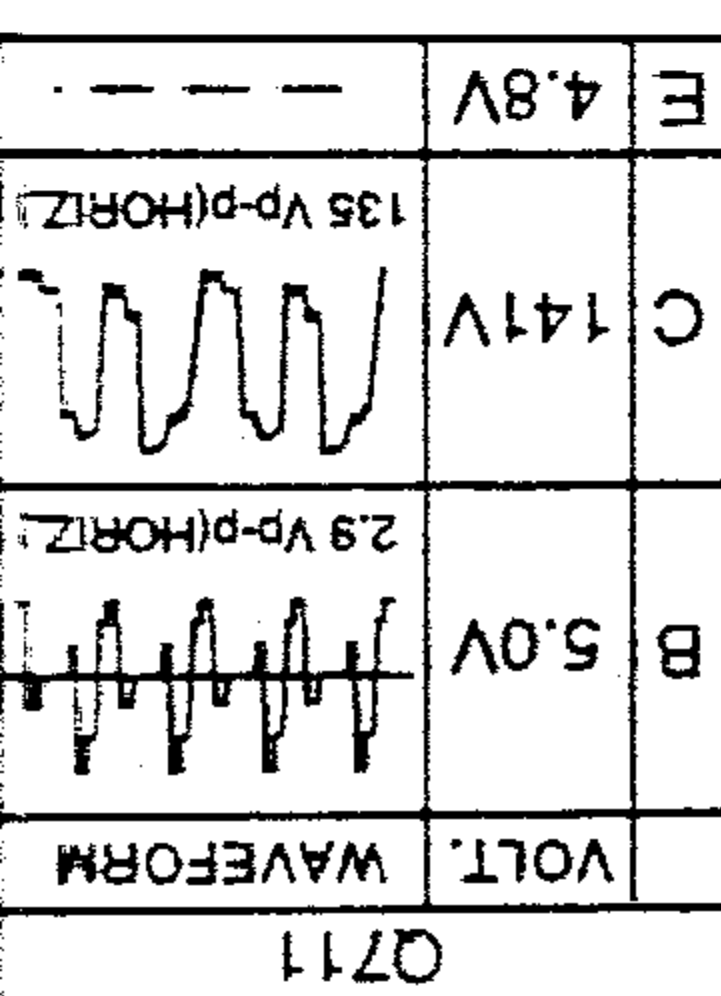
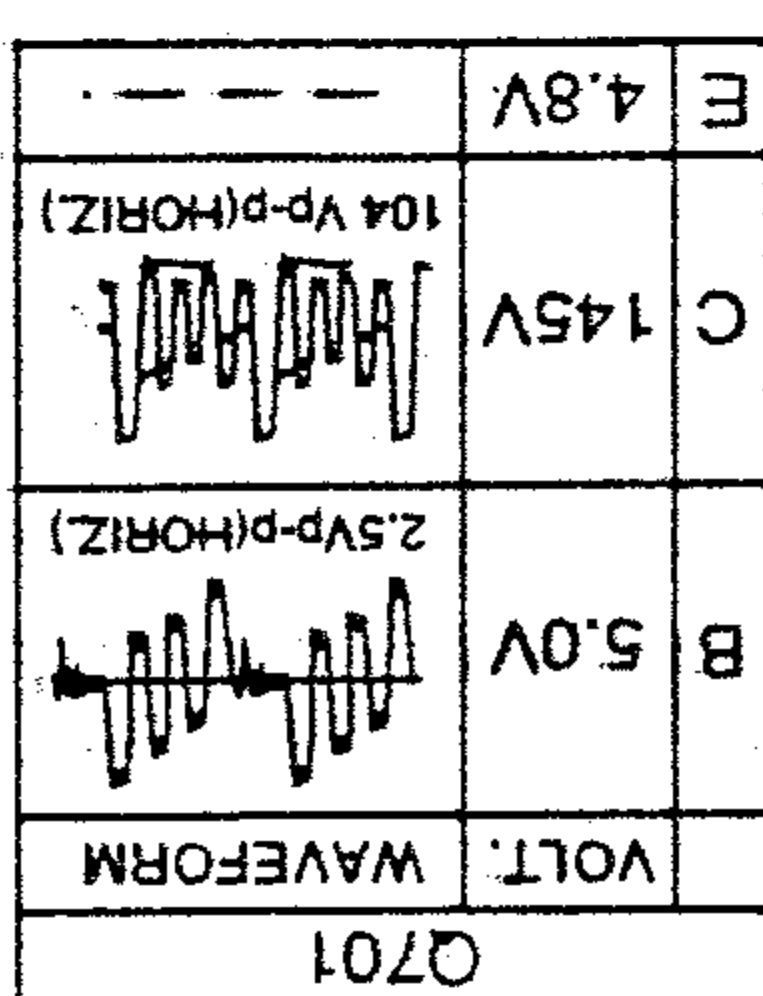
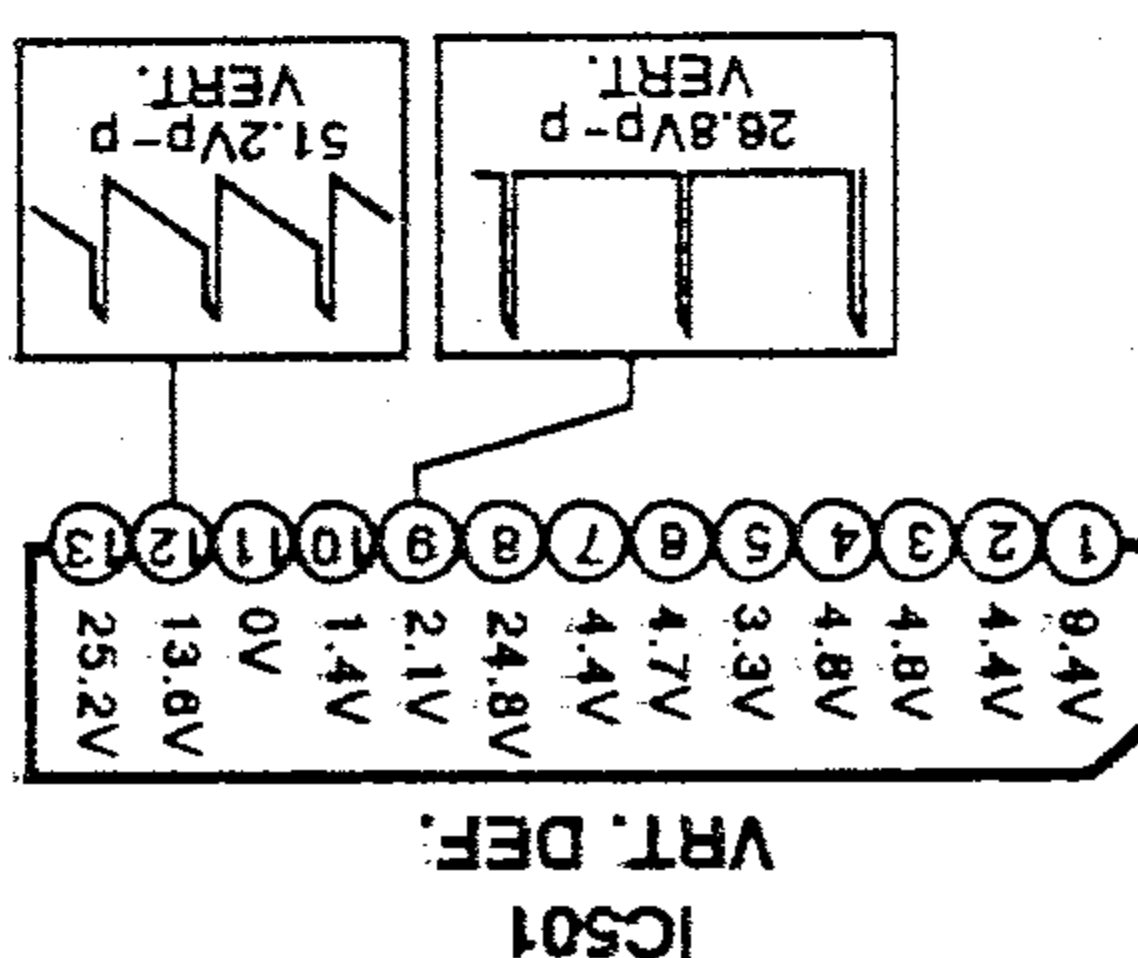
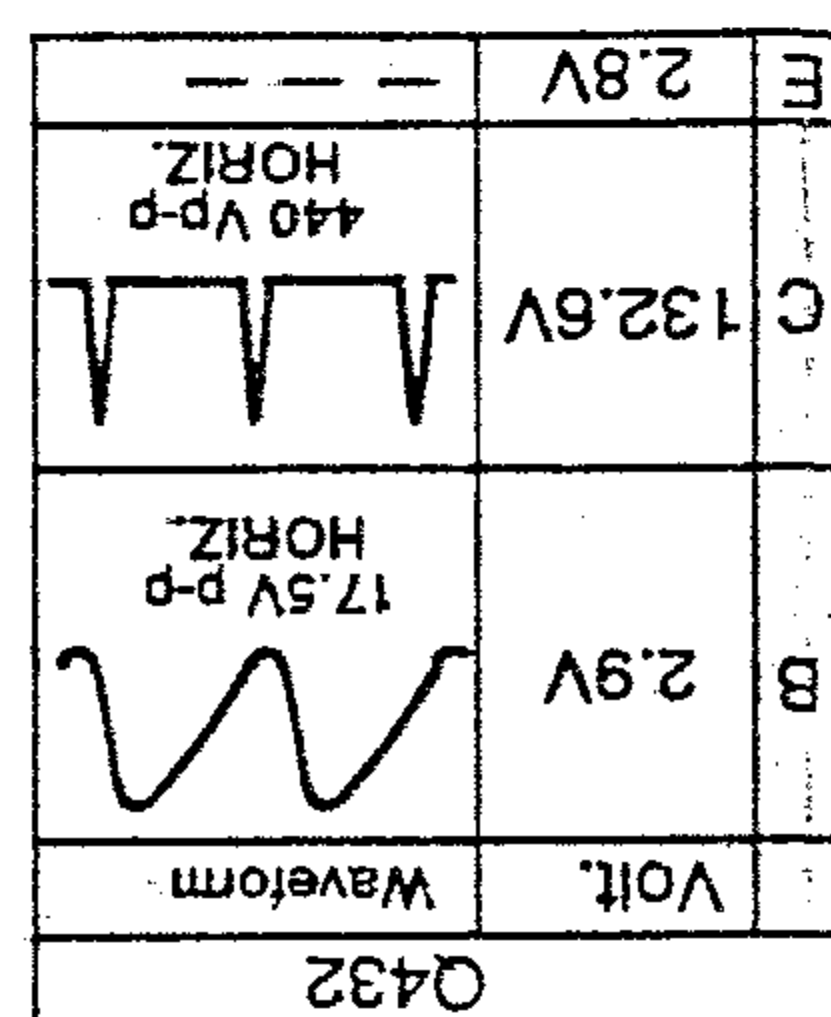
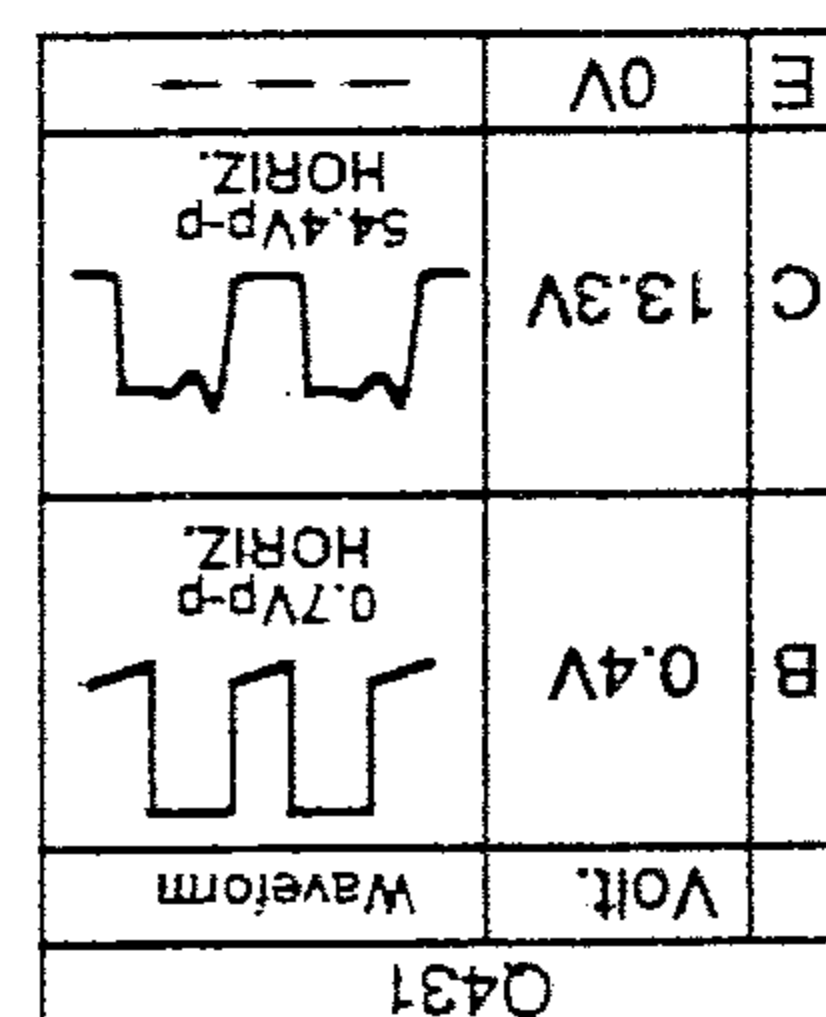
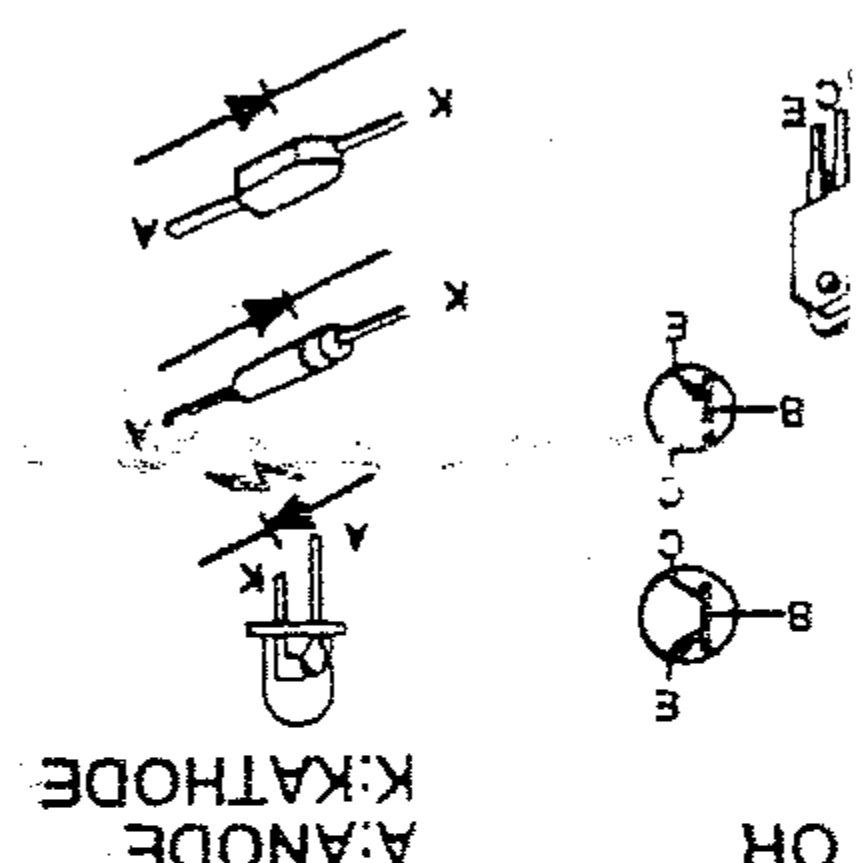
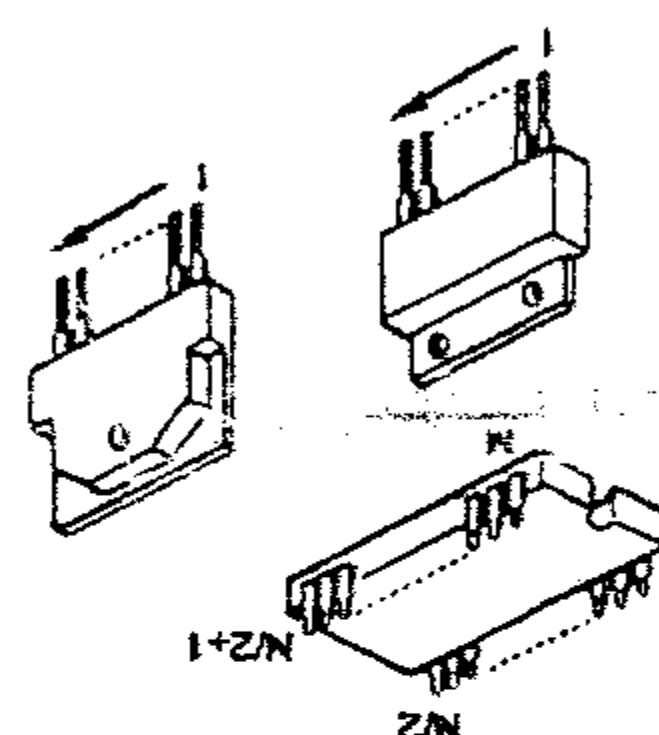
model.
11. Parts specified with "J" are just jumper wires.
12. List of replaceable transistors and diodes.

10. Parts specified with "X" are not installed in this

1. DIODE AND INTEGRATED CIRCUIT TERMINAL GUIDE

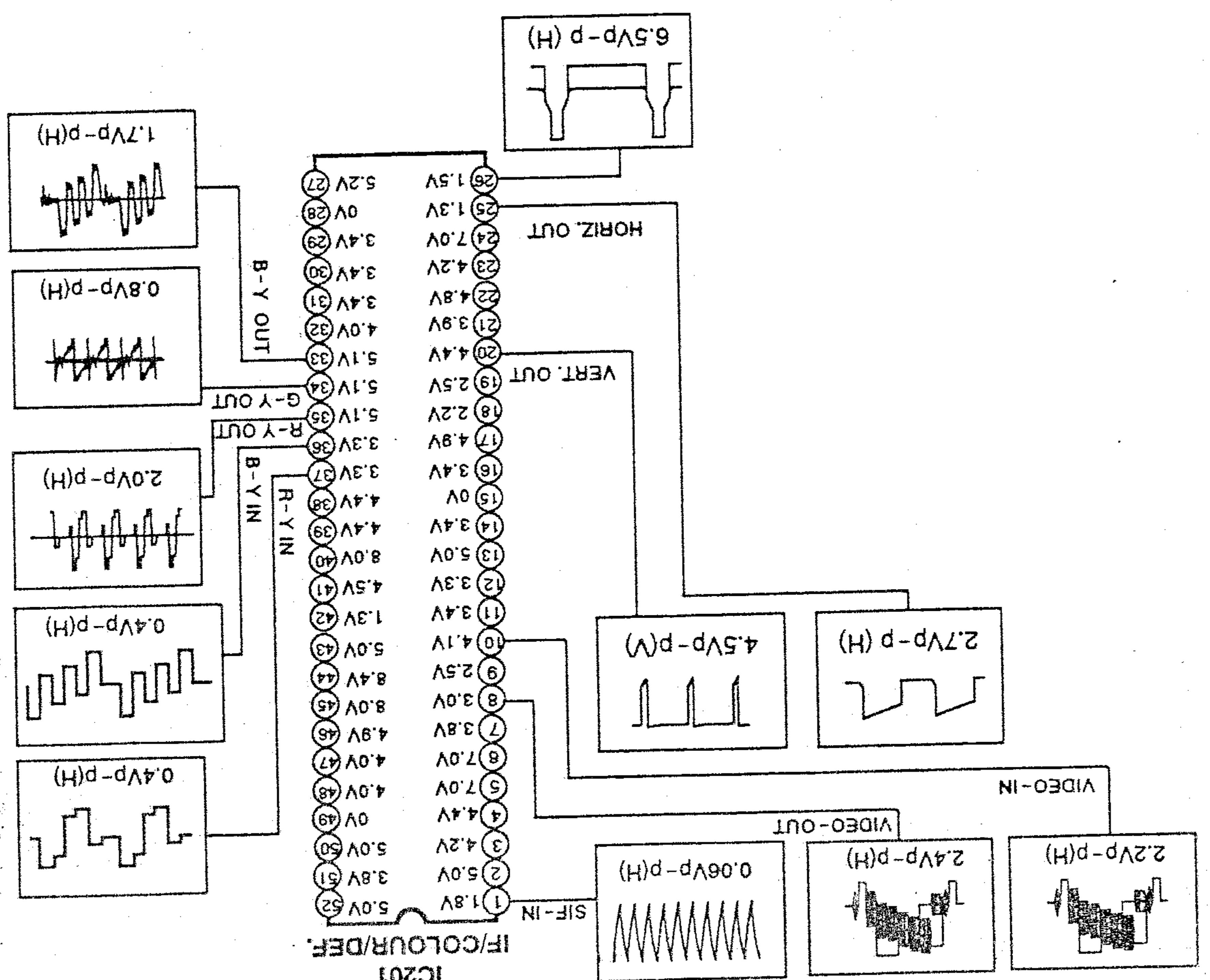


PARTICULAR PARTS SYMBOL



26	4.0V	HORIZ. SYNC. SIGNAL (INACTIVE)=
25	0.2V	VERT. SYNC. SIGNAL (INACTIVE)=
24	2.4V	ANALOG BUS ADDRESS
23	2.8V	ANALOG BUS DATA
22	0V	ANALOG GND
21	5.0V	ANALOG +5V SUPPLY
20	1.7V	CHARGE PUMP OUTPUT
19	2.3V	OUT →
18	2.3V	← IN
17	4.8V	OSD OSCILLATOR (14.1MHz)
16	1.8V	CPU RESET(RESET=)
15	0V	OPTION SWITCH INPUT
14	-	KEY SCAN INPUT
13	2.5V	NOT USED
12	5.0V	AFT INPUT
11	2.5V	DIGITAL +5V SUPPLY
10	2.5V	OUT →
9	2.5V	← IN
8	0V	CPU OSCILLATOR (12MHz)
7	0V	DIGITAL GROUND
6	-	NOT USED
5	1.5V	POWER ON/OFF OUT(ON)=
4	0V	X TAL SWITCH+2 OUTPUT(=)
3	4.2V	X TAL SWITCH+1 OUTPUT(=)
2	-	NOT USED
1	0V	MC BUS SCL
0	0V	MC BUS SDA
	0V	ON TIMER LEDSET=LOW

Q251		VOLT.	B	0V	C	4.6V	E	0V
Q252		VOLT.	B	8.0V	C	0V	E	8.0V
Q261		VOLT.	B	4.0V	C	0V	E	4.6V



PNP, TR)

[illegible]

PNP, TR)

10. Parts specified with "X" are not installed in this

11. Parts specified with "J" are just jumper wires.

12. List of replaceable transistors and diodes.

