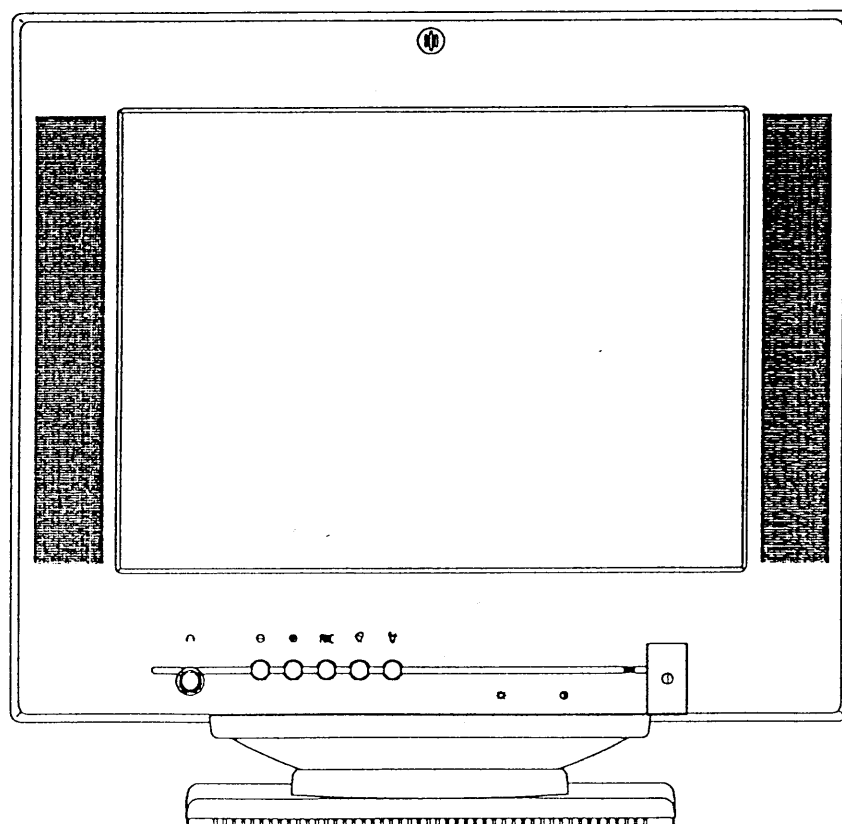


Service Manual

JD156G Series

High-Resolution
Digital Color Monitor



For Service Manuals
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NOV.25.1996

JEAN CO. LTD.

1. SPECIFICATIONS FOR JD156G COLOR MONITOR

CRT: Size: 15-inch Diagonal Flat Square Type
 Viewable Size: 13.7-inch Diagonal
 Dot Pitch: 0.28mm
 Deflection: 90° Degree

DISPLAY: Size: 260mm x 195mm
 Diagonal Size: 349mm
 Color: Unlimited Colors
 Resolution: Up to 1280 x 1024
 Video Bandwidth: 70MHz/(-3dB)

INPUT SIGNAL: Video Signal: RGB Analog 0.7Vpp 75 Ohms
 Sync. Signal: H/V. Separated, H/V. Composite TTL.
 Level Positive or Negative.
 Scanning Freq.: 30 KHz to 69 KHz for Horizontal
 50 Hz to 90 Hz for Vertical

POWER SOURCE: Power Supply: AC 100-240V, 50Hz/60Hz
 Power Consumption: 100W Max.

DIMENSIONS: Monitor: 14.96"(W) x 14.72"(H) x 15.35"(D)
 380mm(W) x 374mm(H) x 390mm(D)
 Carton: 19.2"(W) x 16.8"(H) x 18.4"(D)
 488mm(W) x 429mm(H) x 468mm(D)

WEIGHT: Net (Gross)Weight: 27.5(32)Lbs
 12.5(14.5)Kg

SPEAKER: Size: 50mm x 50mm
 Audio output power: 2W

POWER MANAGEMENT

The Power Management states are controlled by the presence and/or absence of horizontal and vertical sync signals according to the following:

STATE	H.Sync	V.Sync	Power (normal)
ON	ON	ON	95WATTS
STANDBY	OFF	ON	25WATTS
SUSPEND	ON	OFF	25WATTS
OFF	OFF	OFF	8WATTS

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2-3 SERVICE NOTES

1. When replacing parts or circuit boards, clamp the lead wires around terminals before soldering.
2. When replacing a high wattage resistor (more than 1W of metal oxide film resistor) in circuit board, keep the resistor about 5mm away from circuit board.
3. Keep wires away from high voltage or high temperature components.
4. Keep wires in their original position so as to reduce interference.

2-4 HIGH VOLTAGE WARNING

Operation of monitor outside of cabinet or with back removed may cause a serious shock hazard. Work on these models should only be performed by those who are thoroughly familiar with precautions necessary when working on high voltage equipment.

Exercise care when servicing this chassis with power applied. Many B plus and high voltage terminals are exposed which, if carelessly contacted, can cause serious shock or result in damage to the chassis. Maintain interconnection ground lead connections between chassis and picture tube tag when operating chassis.

Certain HV failures can increase X-ray radiation. Monitor should not be operated with HV levels exceeding the specified rating for the chassis type.

The maximum operating HV specified for the chassis used in this monitor is

25KV $\pm$ 1KV

with a line voltage of 120/240V AC. Higher voltage may also increase possibility of failure in HV Supply.

It is important to maintain specified values of all components in the horizontal and high voltage circuits and anywhere else in the monitor that could cause a rise in high voltage or operating supply voltages. No changes should be made to the original design of the monitor. Components shown in the shaded areas on the schematic should be replaced with exact factory replacement parts. The use of unauthorized substitute parts may create a shock, fire or other hazard.

To determine the presence of high voltage, use an accurate, high impedance, HV meter connected between second anode lead and CRT tag grounding device.

When servicing the High Voltage System, remove static charge from it by connecting a 10K ohm resistor in series with an insulated wire (such as a test probe) between picture tube tag and 2nd anode lead. (AC line cord disconnected from AC power outlet).

The picture tube used in this monitor employs integral implosion protection.

Replace with tube of the same type number for continued safety. Do not lift picture tube by the neck. Handle the picture tube only after discharging the high voltage completely.

4. TIMING DIAGRAM & TABLE

4-1 EXTERNAL CONTROL

SYMBOL	ITEM	DESCRIPTION
	1. POWER SWITCH	- CONTROLS TO THE MONITOR.
	2. ON/OFF & POWER MANAGEMENT INDICATOR	- WHEN LIT GREEN GIVES VISUAL CONFIRMATION OF POWER ON. - WHEN LIT ORANGE GIVES VISUAL CONFIRMATION OF POWER STANDBY OR SUSPEND MODE.
	3. CONTRAST	- ADJUSTING CONTRAST.
	4. BRIGHTNESS	- ADJUSTING BRIGHTNESS.
	5. MANUAL DEGAUSS	- DEGAUSSING THE MONITOR.
	6. RECALL	- RECALL FACTORY PRESET DEFAULT.
FUNC	7. FUNCTION SELECT	- SELECT ADJUSTING FUNTION TO SCROLL THROUGH THE OSD ICONS AND MENUS.
	8. INCREASE	- INCREASE ADJUSTING FUNTION PARAMETER.
	9. DECREASE	- DECREASE ADJUSTING FUNTION PARAMETER.
	10. EARPHONE	- EARPHONE JACK.

4-2 DIGITAL FEATURES

1. This monitor has adapted an advanced CPU to control the VOLUME, H-CENTER, the H-SIZE, the V-CENTER, the V-SIZE, PINCUSHION, KEYSTONE, DEGUSS and it will auto memory the image features whenever the user changed them.
2. This monitor includes 13 sets of factory preset timing (see the following table) and 14 sets of user's new timing.
3. Push up-down key together and wait 0.5 second, the image automatically recovery the same as factory preset.

4-4 TIMING TABLE

MODE	RESOLUTION	H-SYNC POLARITY	V-SYNC POLARITY	(KHZ) H-FREQUENCY	(US) H-PERIOD	(US) FRONT PORCH	(US) SYNC WIDTH	(US) BACK PORCH	(US) BLK	(US) ACTIVE VIDEO
1.	VGA 720*400	-	+	31.486	31.778	0.6360	3.8135	1.9070	6.3565	25.4220
2.	VGA 640*480	-	-	31.486	31.778	0.6360	3.8135	1.9070	6.3565	25.4220
3.	VESA 640*480	-	-	37.870	26.4131	0.7619	1.2698	4.0635	6.0952	20.3175
4.	SVGA 800*600	X	X	35.156	28.444	0.6667	2.0000	3.5556	6.2222	22.2222
5.	VESA 800*600	+	+	37.879	26.4	1.000	3.2	2.2	6.4	20
6.	VESA 800*600	+	+	46.875	21.333	0.323	1.616	3.232	5.172	16.162
7.	VESA 800*600	+	+	48.077	20.8000	1.1200	2.4000	1.2800	4.8000	16.0000
8.	8514A 1024*768	+	+	35.524	28.150	0.1782	3.9195	1.2471	5.3448	22.8045
9.	VESA 1024*768	-	-	48.363	20.6769	0.3692	2.0923	2.4615	4.9231	15.7539
10.	VESA 1024*768	-	-	56.476	17.7067	0.3200	1.8133	1.9200	4.0533	13.6533
11.	VESA 1024*768	+	+	60.023	16.667	0.21	1.219	2.235	3.664	13.003
12.	1280*1024	-	-	63.750	15.686	0.581	1.489	1.997	4.067	11.619
13.	1024*768	+	+	68.677	14.561	0.508	1.016	2.201	3.725	10.836

MODE	RESOLUTION	(HZ) VER-FREQUENCY	(MS) V-PERIOD	(MS) FRONT PORCH	(MS) SYNC WIDTH	(MS) BACK PORCH	(MS) BLK	(US) ACTIVE VIDEO	INTERIACED
1.	VGA 720*400	70.08	14.2685	0.3810	0.0636	1.1120	1.5566	12.711	NO
2.	VGA 640*480	59.94	16.6832	0.3180	0.0636	1.0490	1.4306	15.253	NO
3.	VESA 640*480	72.81	13.7346	0.2377	0.0792	0.7396	1.0565	12.6781	NO
4.	SVGA 800*600	56.25	17.7778	0.0284	0.0589	0.6258	0.7111	17.0667	NO
5.	VESA 800*600	60.317	16.579	0.026	0.106	0.607	0.739	15.84	NO
6.	VESA 800*600	75	13.333	0.448	0.064	0.448	0.533	12.8	NO
7.	VESA 800*600	72.19	13.8528	0.7696	0.1248	0.4784	1.3728	12.4800	NO
8.	8514A 1024*768	86.958	11.500	0.0141	0.1126	0.5630	0.69	10.81	YES
9.	VESA 1024*768	60.00	16.6658	0.0620	0.1241	0.5996	0.7859	15.8799	NO
10.	VESA 1024*768	70.07	14.2716	0.0531	0.1062	0.5135	0.6729	13.5987	NO
11.	VESA 1024*768	75.029	13.328	0.016	0.05	0.466	0.532	12.796	NO
12.	1280*1024	59.747	16.737	0.047	0.04	0.58	0.674	16.063	NO
13.	1024*768	84.997	11.765	0.014	0.044	0.524	0.582	11.183	NO

4-5 USER TIMING MODE SETUP

The monitor is factory programmed with 13 timing modes (refer to Timing Table). The monitor is capable of storing 27 modes total, with 13 factory programmed this leaves 14 available spaces for the user.

The successfully install a new timing mode certain conditions must be met. The new mode must have a horizontal frequency difference of 1 KHz, minimum or a vertical frequency difference of 3 Hz, minimum from any single mode previously installed. For example:

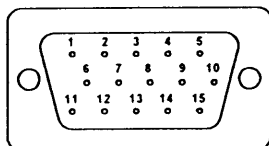
Assuming the timing requirements are met the new mode is automatically installed when the monitor is connected to signal source. At this point the front panel controls for horizontal/vertical display size and position may be adjusted to the user's preference and these conditions will automatically be stored with the current timing mode.

Whenever the horizontal/vertical display size or position setup is changed, the latest setup will be stored with the timing mode in operation at the time of the change.

After 14 user modes are installed, when no.15 is installed, no.1 is removed and lost. The 13 factory installed modes are not affected.

5-2 D-SUB CONNECTOR

D-SUB 15 PIN CONNECTOR



1 R	6 GND	11 GND
2 G	7 GND	12 SDA
3 B	8 GND	13 H.SYNC
4 GND	9 NC	14 V.SYNC
5 NC	10 GND	15 SCL

SIGNAL LEVEL

CONNECTOR	SIGNAL	DESCRIPTION
R	RED	0.7vp-p
G	GREEN	0.7vp-p(VIDEO)
B	BLUE	0.7vp-p
H/HV	H or H/V SYNC	TTL positive or negative
V	V/SYNC	TTL positive or negative
SDA	DDC1/2B	TTL negative
SCL	DDC1/2B	TTL negative

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6-4 ALIGNMENT PROCEDURES

Adjustment Conditions and Precautions:

- (1) Power supply voltage: AC 100~240V; 50/60 Hz.
- (2) Warm up time:
The display must be power ON for at least 20 minutes before starting alignments. This is especially critical in color temperature and white balance adjustments.
- (3) Signals: reference the front detail specifications and timing table.
Video : reference the front detail specifications.

1. Switching Regulator Unit:

- Conditions: (a) Set timing 56KHZ 1024x768
(b) USE cross-hatch pattern, EXT. BRI./EXT. CONT. VR be set to max.

adjust VR801 to get $15.1 \pm 0.1V$ voltage at the cathode of D814.

2. Anode Voltage Unit:

Conditions: the same as ITEM 1.

adjust VR802 to get H.V (a) $24.5 \pm 0.1KV$ for CPT & MATSUSHITA TUBE.
(b) $24.0 \pm 0.1KV$ for PHILIPS TUBE.

3. H-Free Running:

- Conditions: (a) Set 56.47KHZ/70HZ 1024x768 mode.
(b) USE cross-hatch pattern, EXT. BRI./EXT. CONT. VR be set to max.

- (1) Connect TP201 with one cap 22uF/25V to GROUND.
- (2) adjust VR401 till the image are clear and not slanting to left or right.
- (3) Disconnect cap 22uF/25V.

4. RASTER CENTERING:

Conditions: the same as ITEM 1.

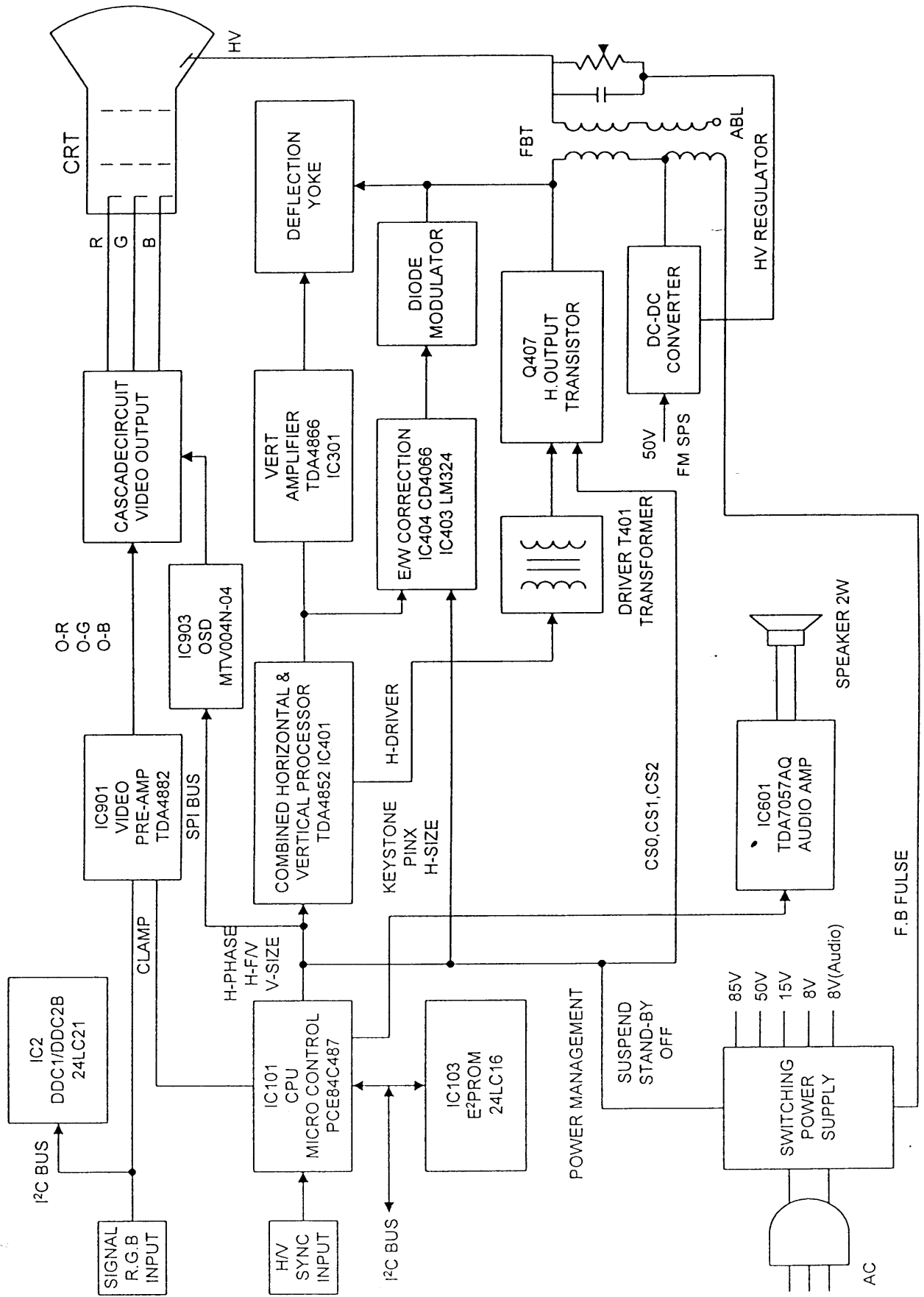
Switch S401 till the raster in the spec.

5. Adjustment of White Balance

- Conditions: (a) Warm up time must be over 30 minute.
(b) Set 56KHZ 1024x768 2" square & raster pattern.
(c) degaussing one time.
(d) adjust H-SIZE $260 \pm 4mm$, V-SIZE $195 \pm 4mm$.

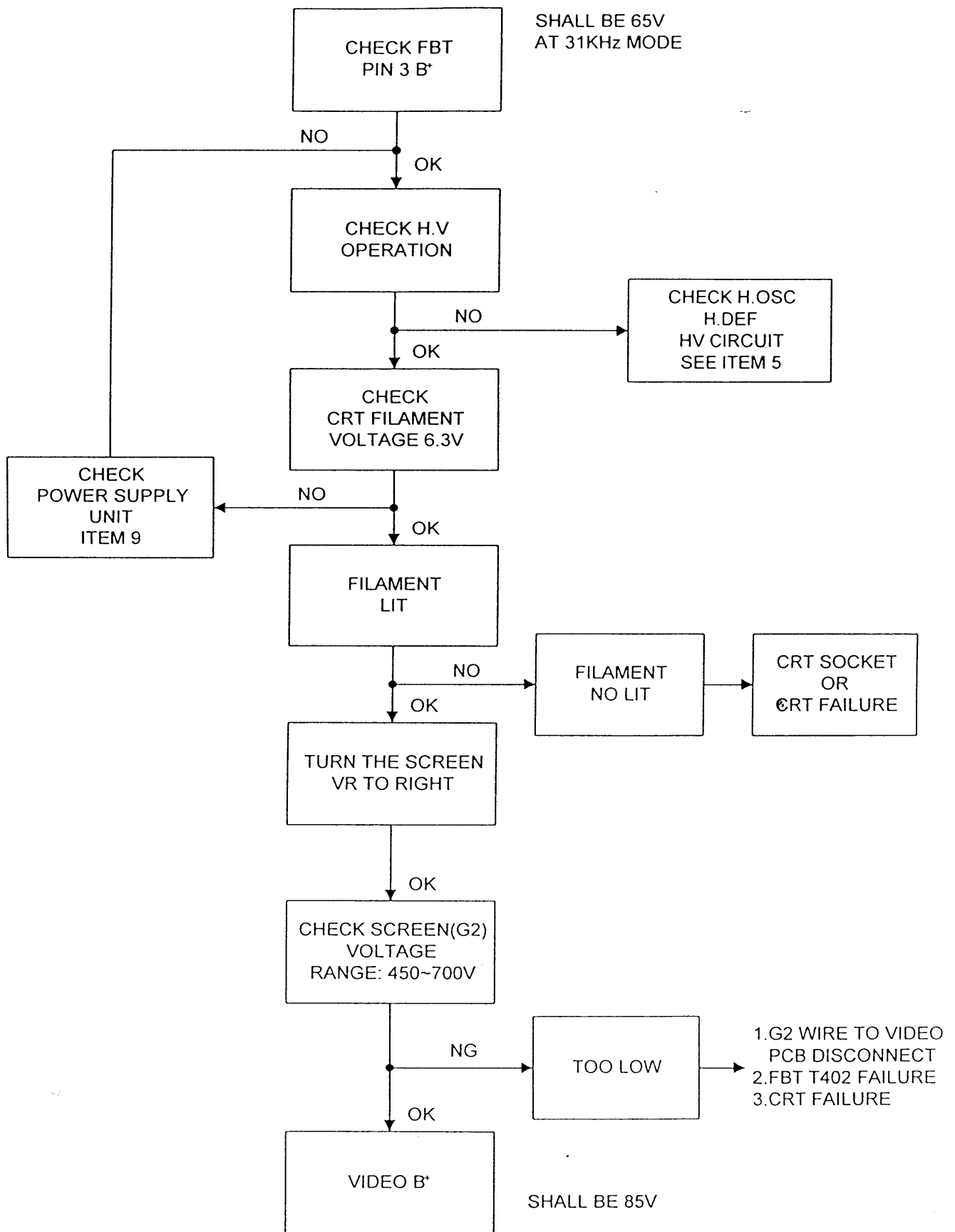
- (1) Make sure the VR901, VR902, VR903, VR904, VR905 are all in the middle position.
- (2) Put EXT. BRIT. VR to detent, EXT. CONT. VR to max and set raster pattern to adjust screen VR for raster lop about $0.08 \pm 0.01FL$.

7. BLOCK DIAGRAM (VIDEO, VERT & HORI, AUDIO)

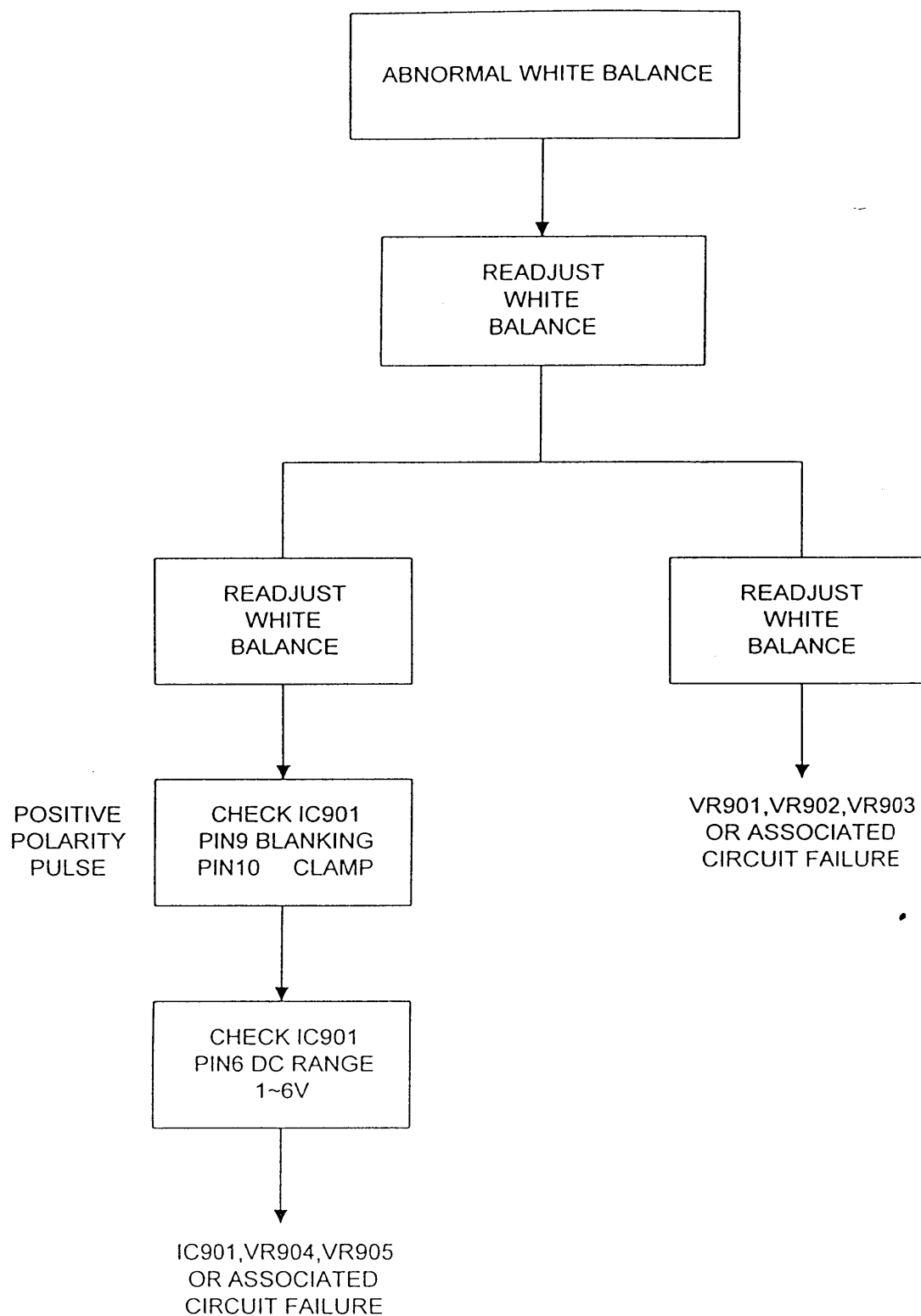


8. TROUBLE SHOOTING FLOW CHART

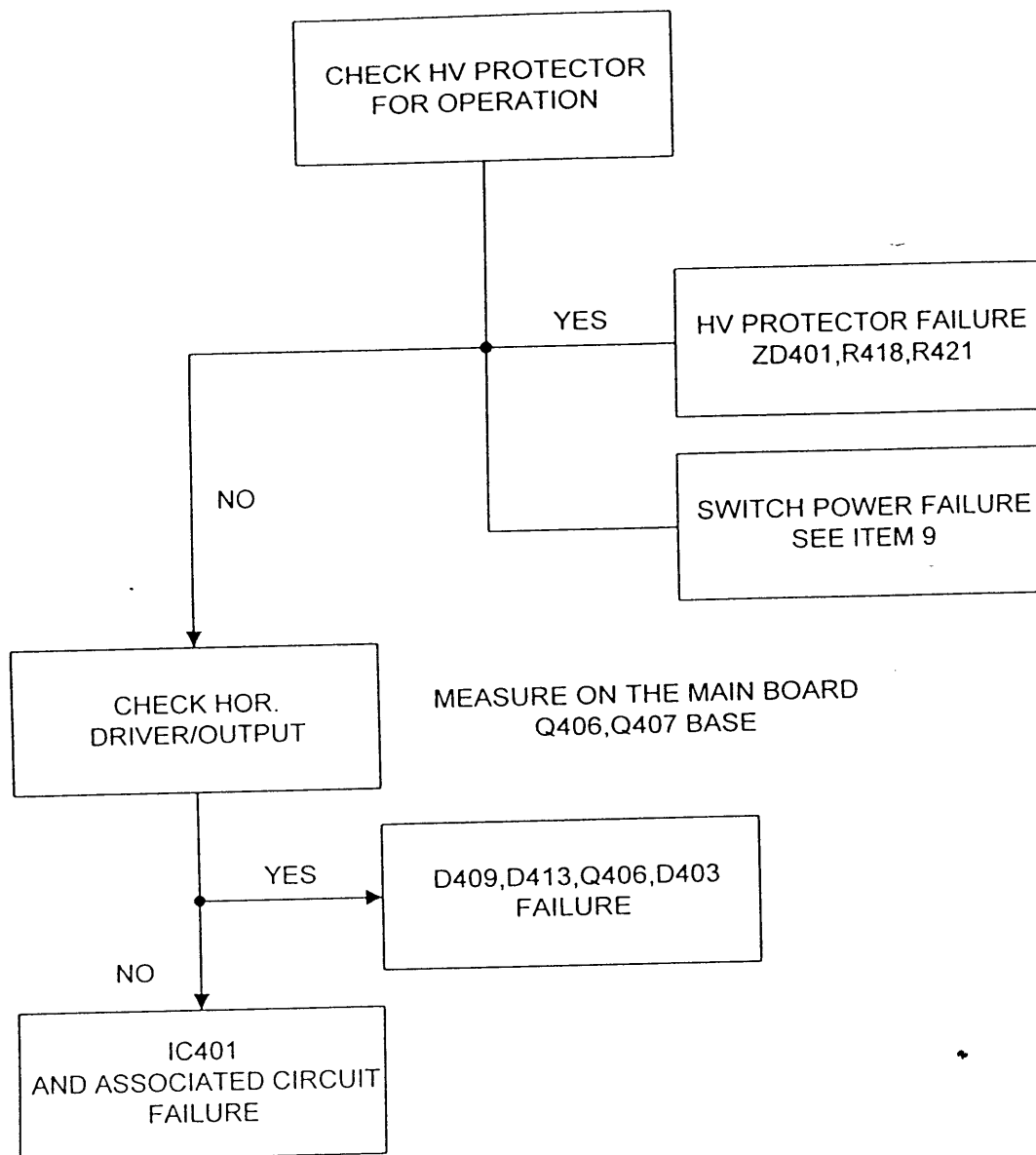
8-1. NO RASTER



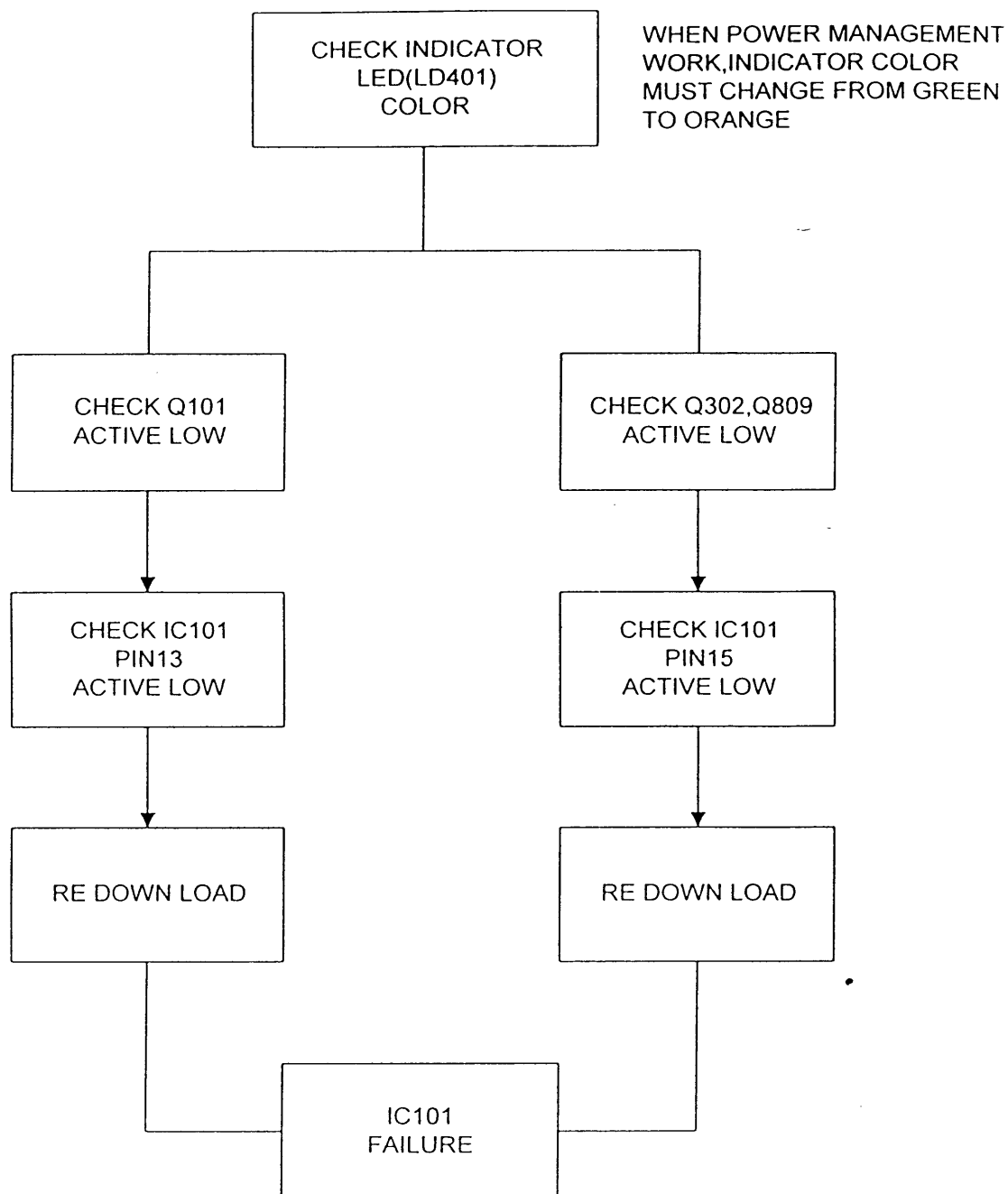
8-3. ABNORMAL WHITE BALANCE



8-5. H.OSC/DEF/HV CIRCUIT FAULT

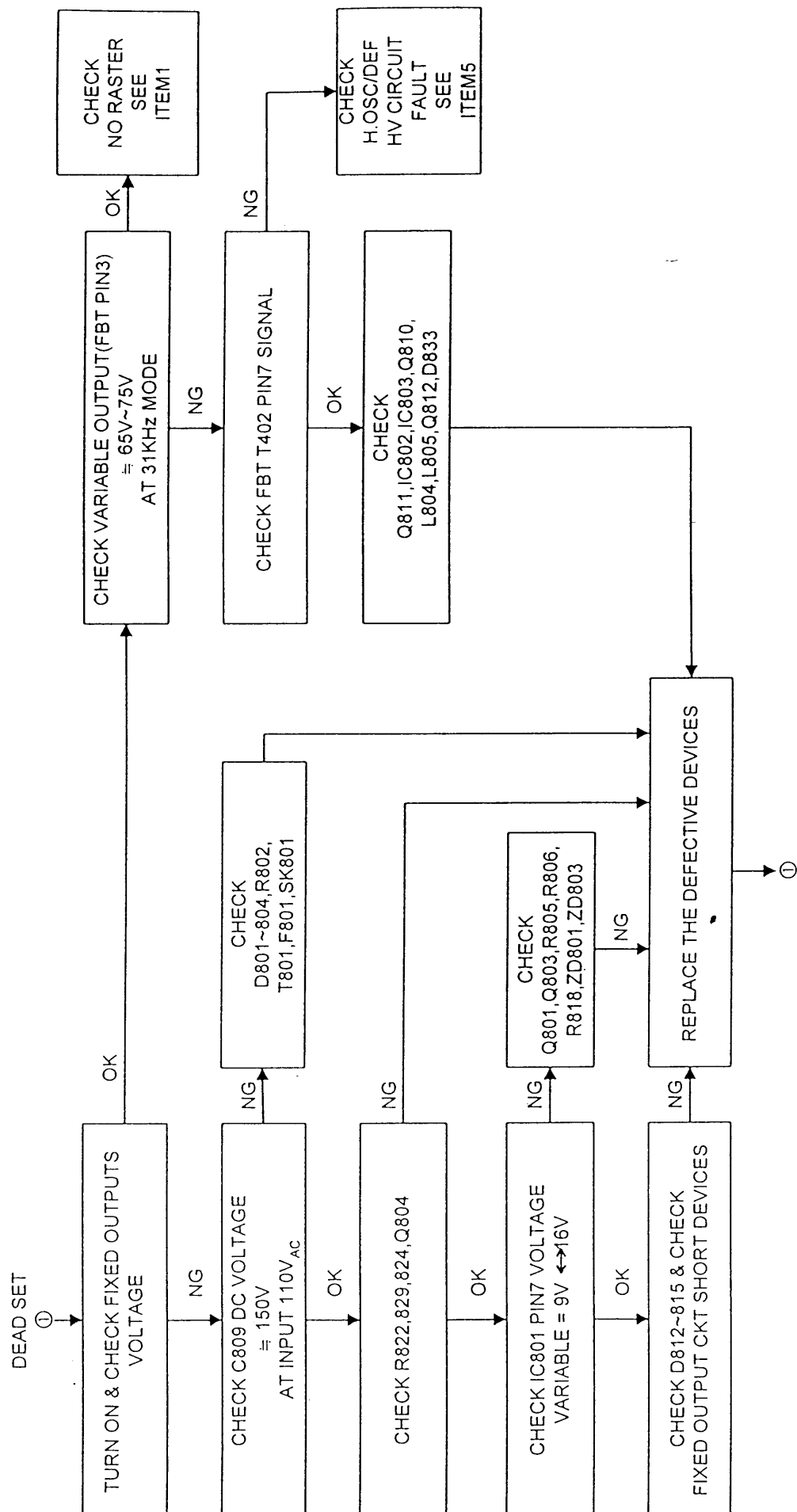


8-7. NO POWER MANAGEMENT FUNCTION

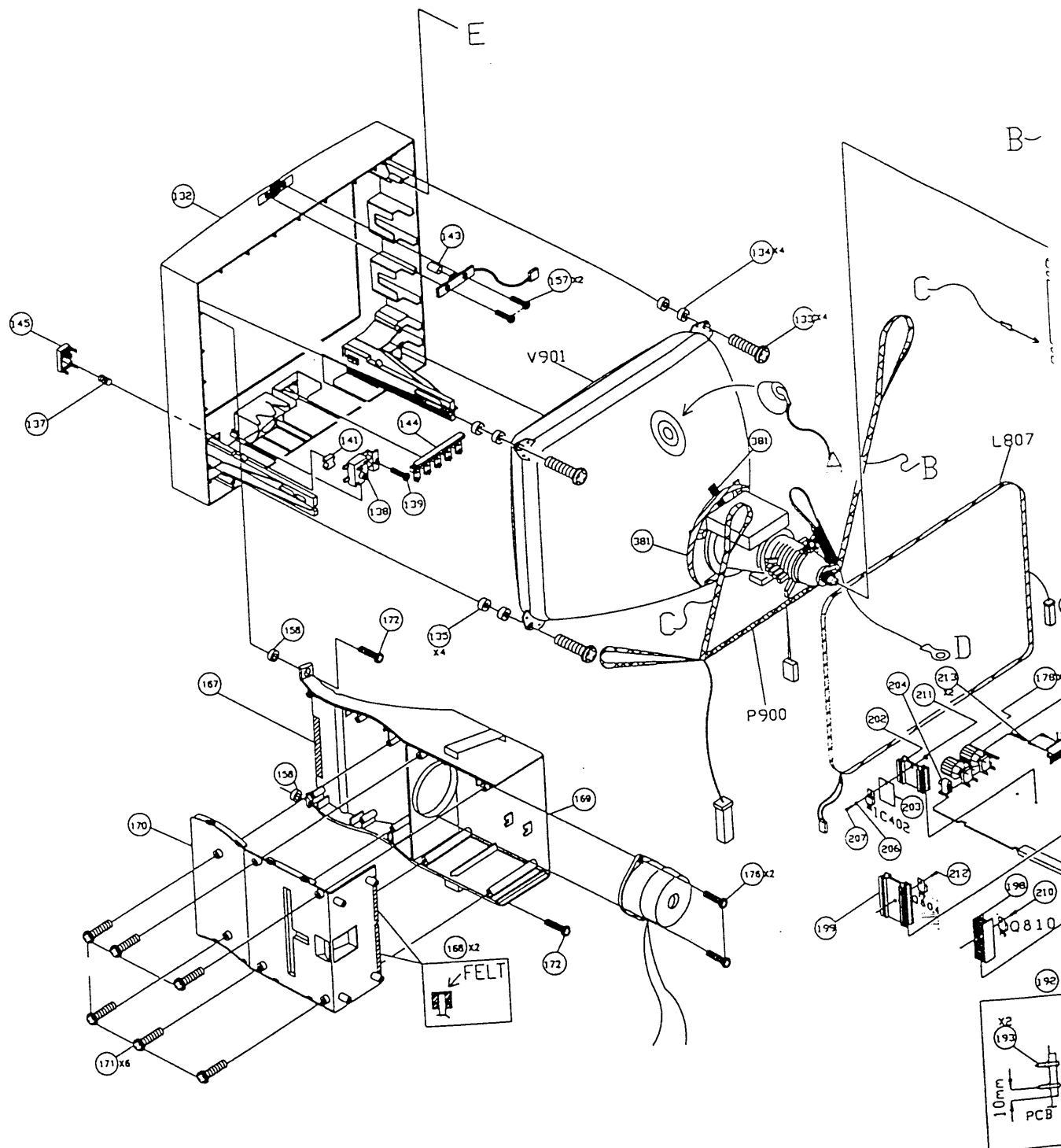


8-11. POWER SUPPLY TROUBLE SHOOTING CHART

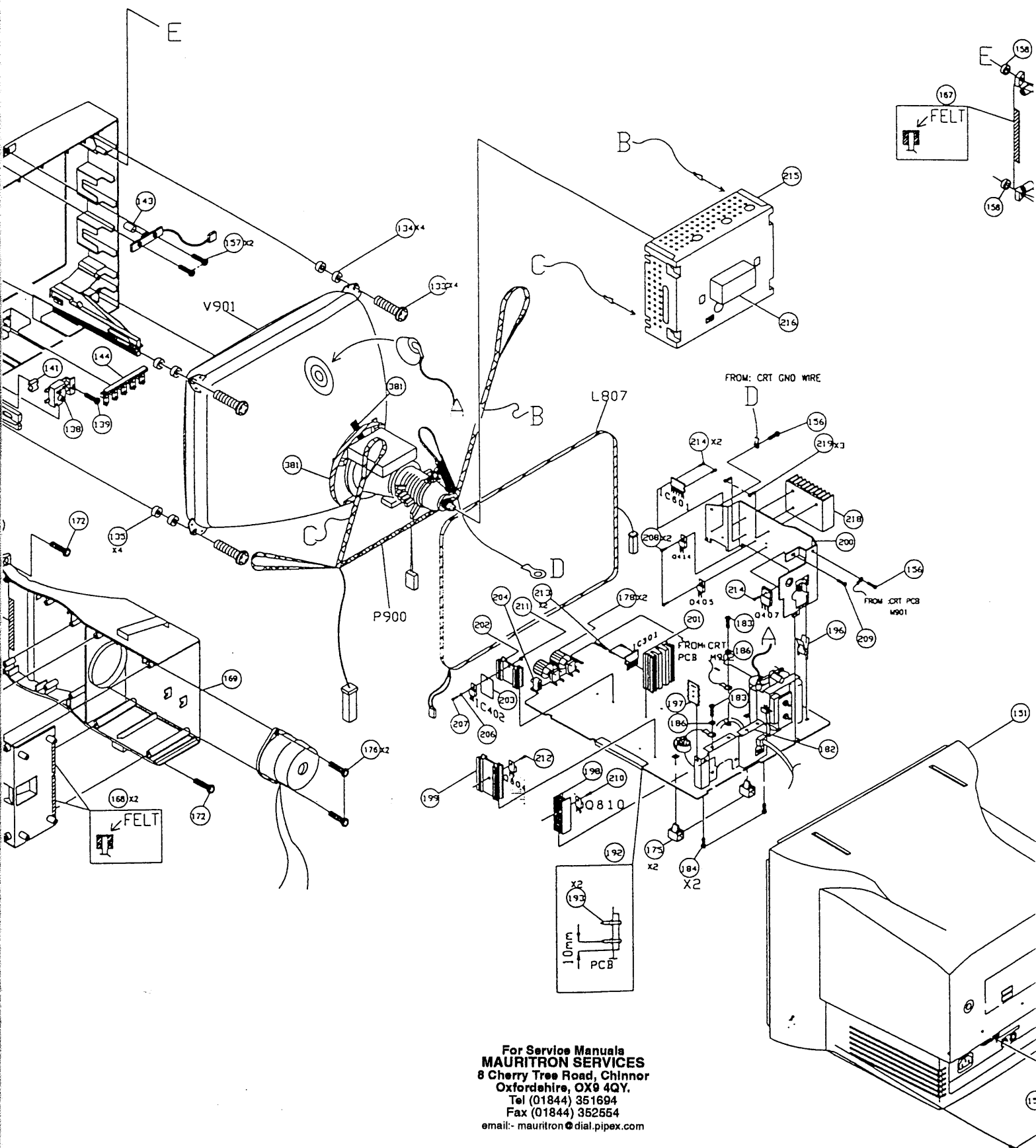
POWER SUPPLY OUTPUT (A) VARIABLE OUTPUT : 65~150V(DEPENDING UPON H-SYNC FREQUENCY)
(B) FIXED OUTPUT : 5V,8V,15V,48V



9-1. EXPLODED VIEW



VIEW

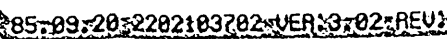


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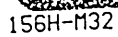
9-2 EXPLODED PARTS LIST

Ref. No.	PART No.	DESCRIPTION	SPEC.	Q'TY	REMARK
132	2024250202	PANEL	JD156G LOGO.JEAN	1	
133	2080200400	SCREW,SPE T+	(SPE T+) SWCH 18A MFZN II-C	4	
134	2061402900	BUSHING	JK1463 SBR	4	
135	2090105042	WASHER,METAL	20X5.5D 1.0T	4	
137	2105150100	SPRING	Ø0.45	1	
138	2048250101	BUTTON BASE	ABS 940V	1	
139	2084730102	SCREW,BND T+	M3x10(BND T+)	1	
141	2053250300	INDICATOR	PMMA	1	
143	2061403600	BUSHING	JD156G MICRO-MIC	1	
144	2044250201	KNOB	ABS 94V0	1	
145	2046250201	PUSH BUTTON	ABS 94V0	1	
151	2022250101	CABI BACK	ABS 94V0	1	
152	2084740202	SCREW,BND T+	M4x20(BND T+)	2	
153	2084730102	SCREW,BND T+	M3x10(BND T+)	1	
155	2084730102	SCREW,BND T+	M3x10(BND T+)	1	
156	2084730102	SCREW,BND T+	M3x10(BND T+)	2	
157	2084730102	SCREW,BND T+	M3x10(BND T+)	2	
158	2061450100	BUSHING	PORON Ø 6x1.5t	4	
162	2028250501	STAND	HIPS 94HB	1	
163	2074107000	HOLDER	JK1472 DURACON M90	1	
164	2039801701	LEG	JD144B SBR Ø 11.8x5t BLACK	4	
165	2084740202	SCREW,BND T+	M4x20(BND T+)	1	
166	2108250101	SWIVEL	HIPS 94HB	1	
167	2061150400	FELT	100x12x0.5t	2	
168	2061100900	FELT	W=10 L=50 T=1	4	
169	2026250101	CASE	BODY ABS	2	
170	2026250201	CASE	CASE ABS	2	
171	2084730142	SCREW,BND T+	M3x14(BND T+)	6	
172	2084730142	SCREW,BND T+	M3x14(BND T+)	4	
173	2084730142	SCREW,BND T+	M3x14(BND T+)	6	
175	2074150700	HOLDER	NYLON 66	2	
176	2084730142	SCREW,BND T+	M3x14(BND T+)	4	
178	2043250201	ROTARY KNOB	ABS 94V0	2	
182	2071951000	METAL FITTG	SECC T=1.0	1	
183	2082640102	SCREW	M4X10 P=0.7	2	
184	2084730102	SCREW,BND T+	M3x10(BND T+)	2	
186	2092440200	WASHER,OT	D1=4.3 D2=8.5 T=0.45	2	
190	2074107100	HOLDER	NYLON66 94V-2	3	
192	2063350200	PROTECTOR	SPTE T=0.45	1	
193	2074191000	HOLDER	JK1461 JEAN	2	
196	2105201200	SPRING PLATE	JD156G TO.3	1	
197	2072213000	HEAT SINK	JK1076	1	
198	2072214200	HEAT SINK	ALUMINUM	1	
199	2072209700	HEAT SINK	JK1565F	1	
200	2072251700	HEAT SINK	ALUMINIUM A1100P	1	
201	2072251300	HEAT SINK	A60635-T5	1	
202	2072209000	HEAT SINK	JK0936 6063S-T5	1	
203	2072400700	INSULATOR	JK0936 SILIOON	1	
204	2074150600	HOLDER	NYLON 66	1	
206	2063202800	SPACER SUPPORT	JK0936 NYON 94-V0	1	
207	2082730102	SCREW,BND +	M3x10(BND T+)	1	
208	2084730102	SCREW,BND T+	M3x10(BND T+)	2	
209	2084740102	SCREW,BND T+	M4x10(BND T+)	1	
210	2084730102	SCREW,BND T+	M3x10(BND T+)	1	
211	2094600400	NET,HEX	D1=3.0 CLASS2 SWRM-3 ZMC2-C	1	
212	2084730102	SCREW,BND T+	M3x10(BND T+)	1	
213	2084730102	SCREW,BND T+	M3x10(BND T+)	2	
214	2084730142	SCREW,BND T+	M3x14(BND T+)	3	
215	2071650700	SHIELD PLATE	SPTE T=0.3	1	
216	2061201800	SPONGE	50x30x120 UL	1	
218	2072251800	HEAT SINK	ALUMINIUM A6063S-T5	1	
219	2084730102	SCREW,BND T+	M3x10(BND T+)	3	
381	2385700100	COIL,ROTATION	0.2 Ø 300T DCR100 OHM MAX	1	

MAIN PCB TOP VIEW



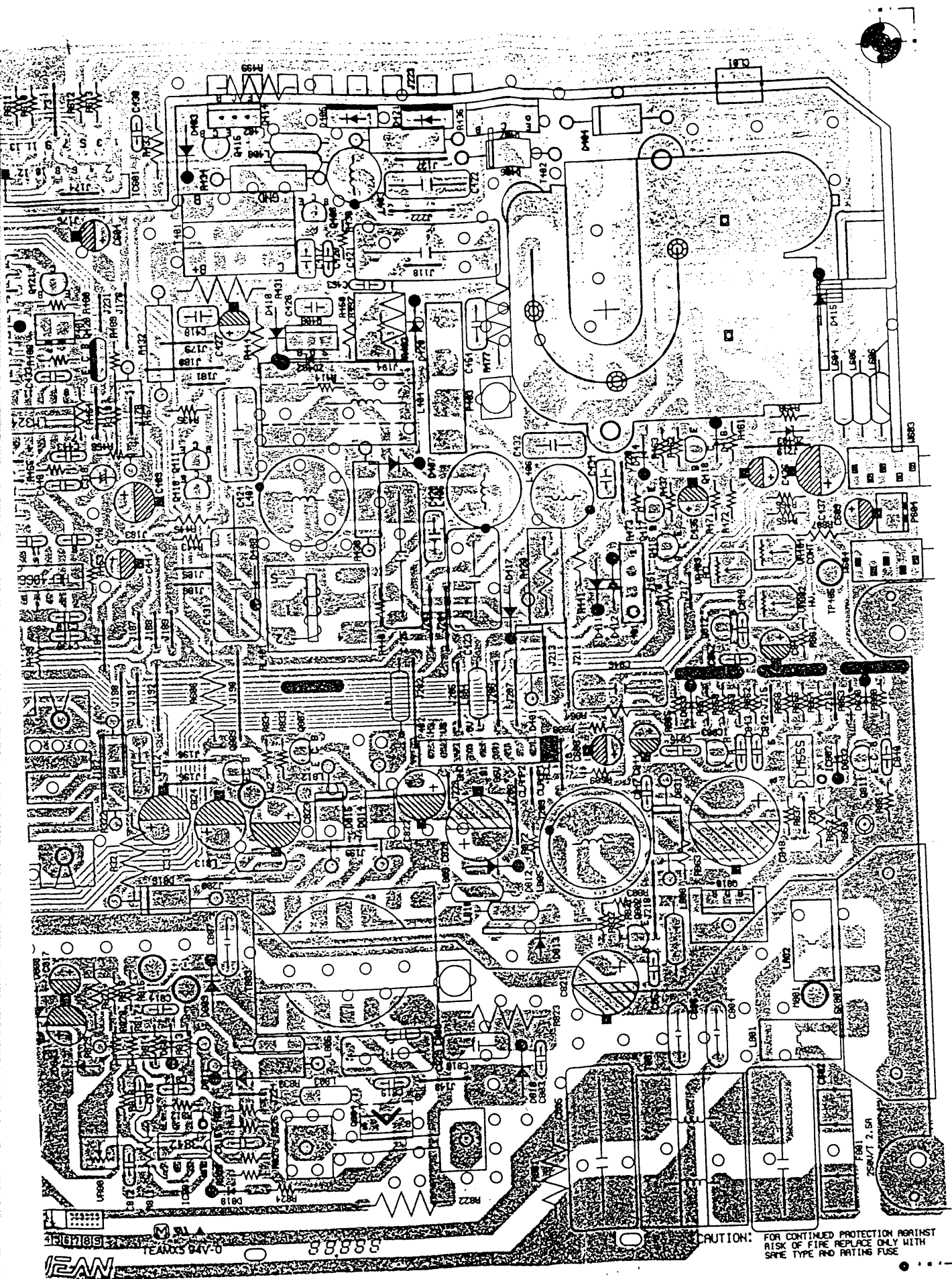
MAIN PCB TOP VIEW



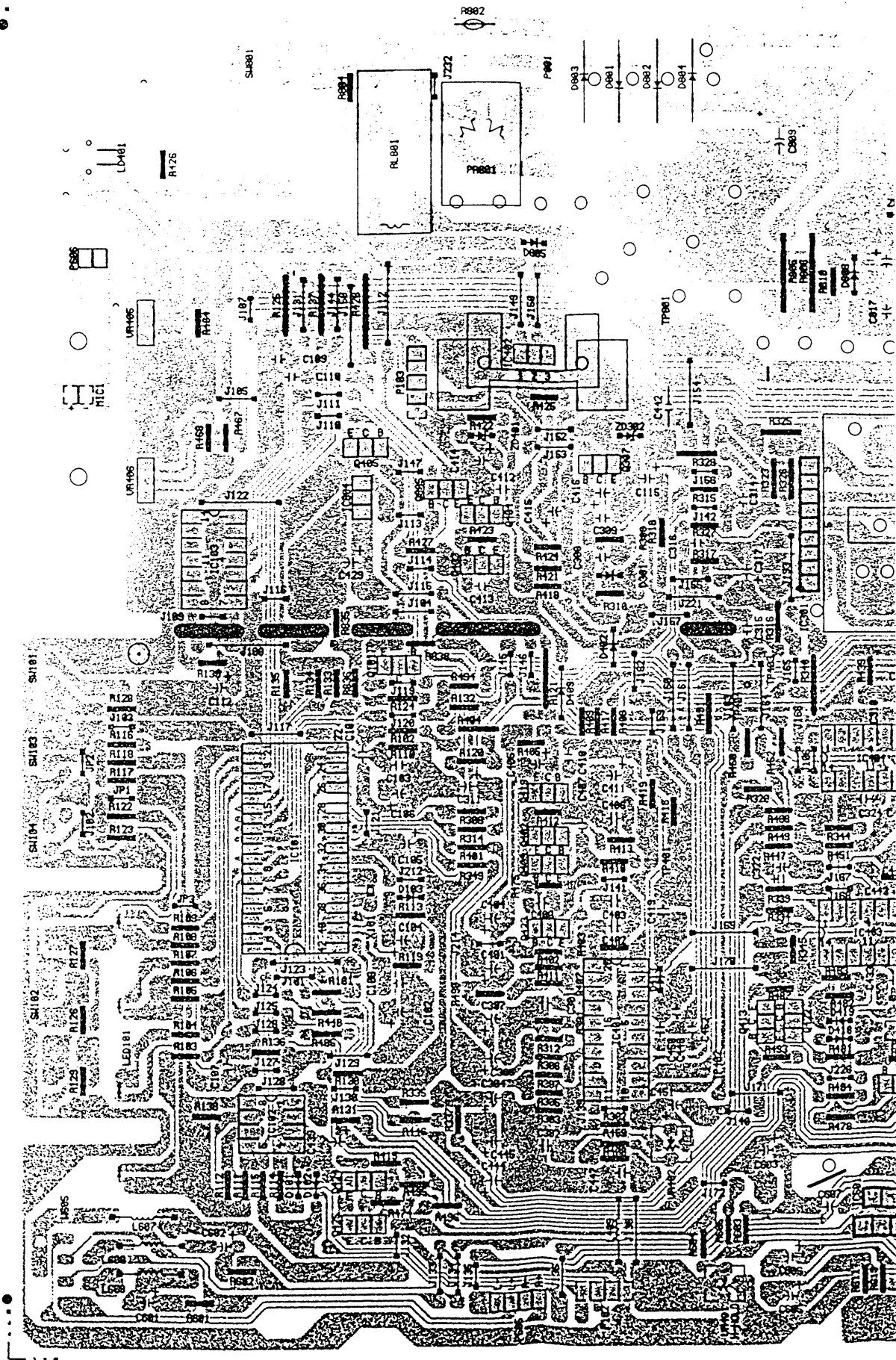
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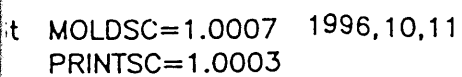
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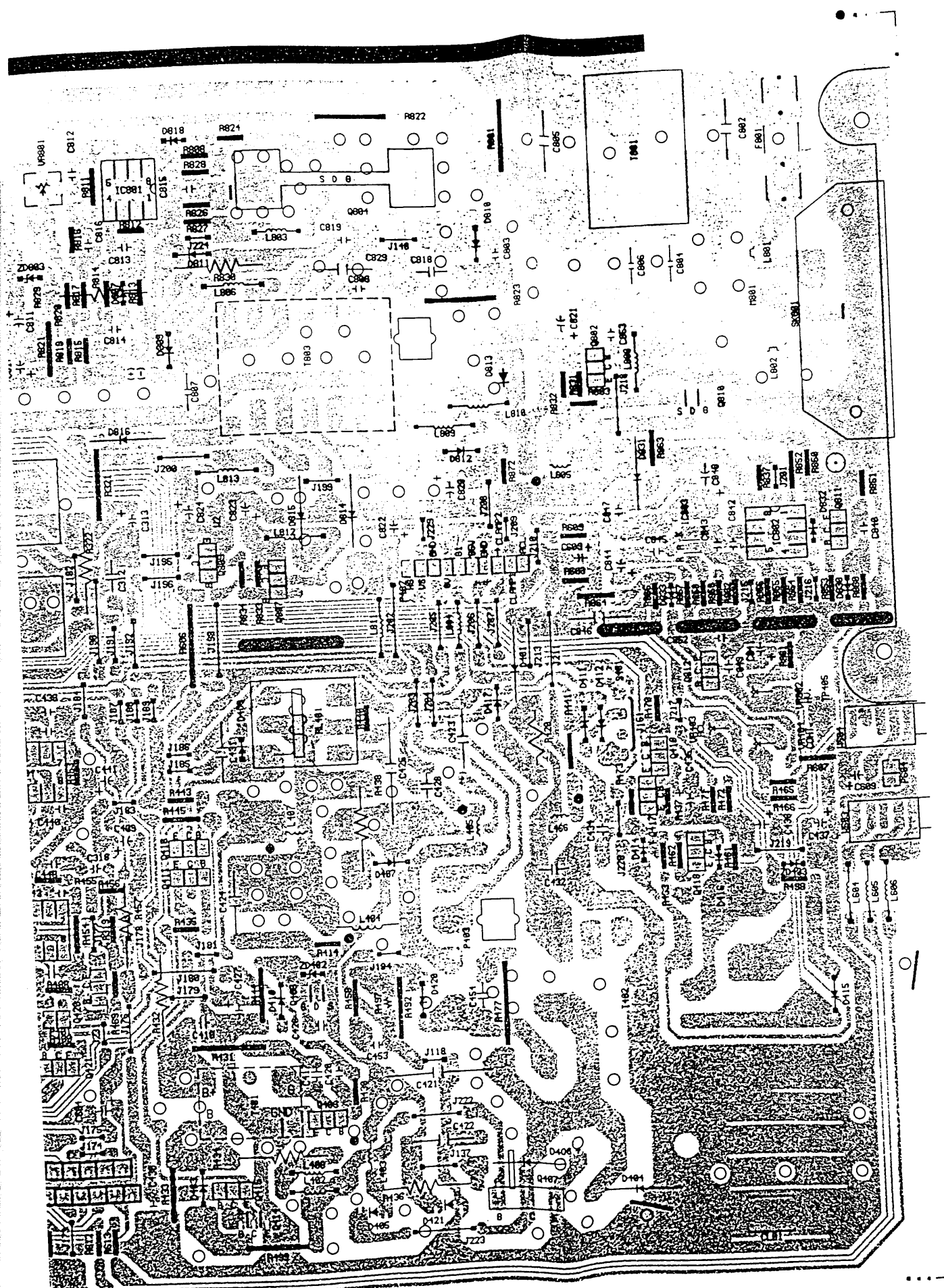
55555



MAIN PCB BOTTOM VIEW

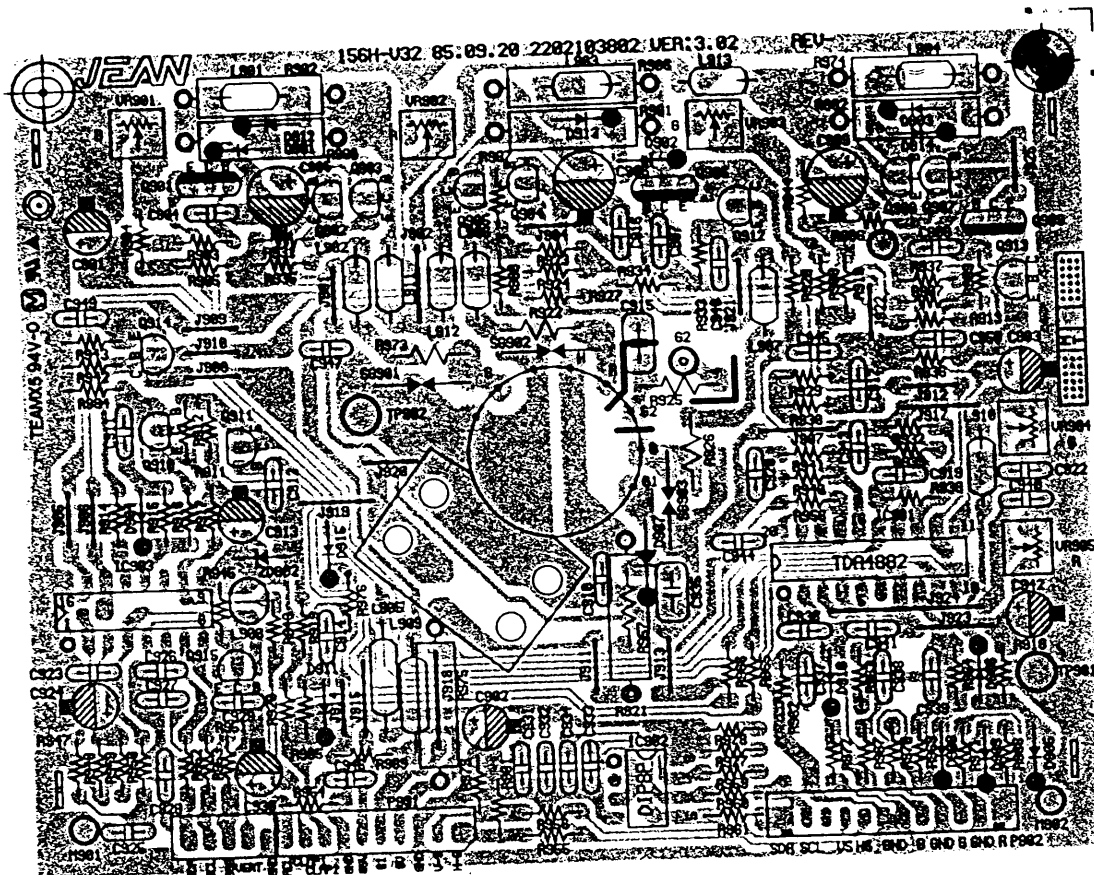


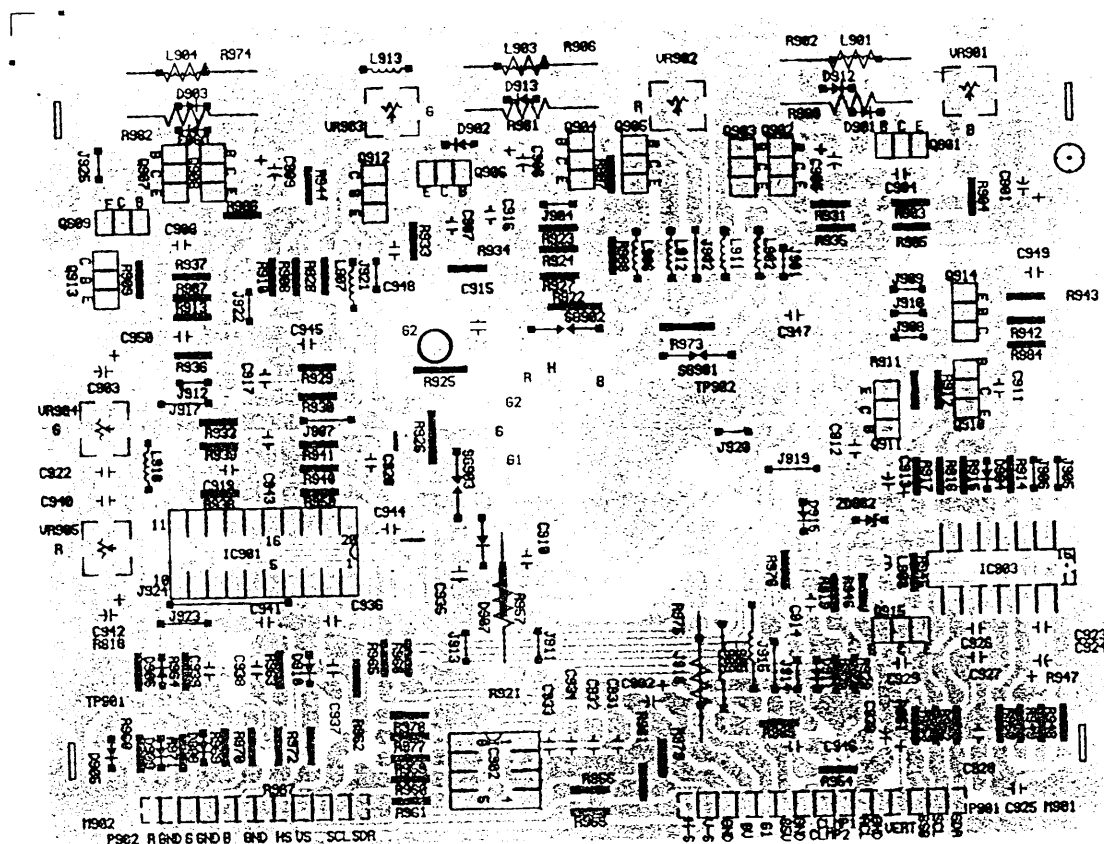




11-2 CRT PCB

CRT PCB TOP VIEW





12. ELECTRICAL PARTS LIST

When you place a parts order, be sure to indicate the following data on the order:

- Location No.
- Parts No.
- Description

LOC NO.	SOURCE	PART NO.	DESCRIPTION	SPEC.	REMARK
MAIN P.C.BOARD					
C101		2272110191	CAP,CER	100.000PF 50V	J
C102		2333610591	CAP,MINI ELE 105°C	1.000UF 50V	M
C103		2291527291	CAP,MYL	2700.000PF 100V	K
C104		2333610691	CAP,MINI ELE 105°C	10.000UF 50V	M
C105		2333310812	CAP,MINI ELE 105°C	1000.000UF 16V	M
C106		2333422791	CAP,MINI ELE 105°C	220.000UF 25V	M
C108		2272115191	CAP,CER	150.000PF 50V	J
C109		2281110291	CAP,CER	1000.000PF 50V	K
C110		2272110191	CAP,CER	100.000PF 50V	J
C115		2333310812	CAP,MINI ELE 105°C	1000.000UF 16V	M
C301		2301310491	CAP,MTL	0.100UF 63V	J
C302		2301322491	CAP,MTL	0.220UF 63V	J
C304		2333647591	CAP,MINI ELE 105°C	4.700UF 50V	M
C306		2333610591	CAP,MINI ELE 105°C	1.000UF 50V	M
C307		2333647591	CAP,MINI ELE 105°C	4.700UF 50V	M
C308		2272110191	CAP,CER	100.000PF 50V	J
C309		2291522391	CAP,MYL	0.022UF 100V	K
C310		2272122191	CAP,CER	220.000PF 50V	J
C311		2333610691	CAP,MINI ELE 105°C	10.000UF 50V	M
C312		2302233412	CAP,MTL	0.330UF 100V	K
C313		2333847612	CAP,MINI ELE 105°C	47.000UF 100V	M
C314		2291533391	CAP,MYL	0.033UF 100V	K
C315		2272127191	CAP,CER	270.000PF 50V	J
C316		2272127191	CAP,CER	270.000PF 50V	J
C317		2333410791	CAP,MINI ELE 105°C	100.000UF 25V	M
C318		2320610591	CAP,ELE NP 105°C	1.000UF 50V	M
C322		2333647491	CAP,MINI ELE 105°C	0.470UF 50V	M
C324		2301322491	CAP,MTL	0.220UF 63V	J
C401		2333647591	CAP,MINI ELE 105°C	4.700UF 50V	M
C402		2291512391	CAP,MYL	0.012UF 100V	K
C403		2295210391	CAP,PPP	0.010UF 100V	G
C404		2333647591	CAP,MINI ELE 105°C	4.700UF 50V	M
C405		2333647591	CAP,MINI ELE 105°C	4.700UF 50V	M
C406		2291547391	CAP,MYL	0.047UF 100V	K
C407		2291515291	CAP,MYL	1500.000PF 100V	K
C408		2291547391	CAP,MYL	0.047UF 100V	K
C409		2333422791	CAP,MINI ELE 105°C	220.000UF 25V	M
C411		2333410812	CAP,MINI ELE 105°C	1000.000UF 25V	M
C412		2281410491	CAP,CER	0.100UF 50V	Z
C413		2281410491	CAP,CER	0.100UF 50V	Z
C414		2333410791	CAP,MINI ELE 105°C	100.000UF 25V	M
C415		2333410791	CAP,MINI ELE 105°C	100.000UF 25V	M
C416		2333610691	CAP,MINI ELE 105°C	10.000UF 50V	M
C417		2291533291	CAP,MYL	3300.000PF 100V	K
C418		2302147491	CAP,MTL	0.470UF 100V	J
C419		2291510491	CAP,MYL	0.100UF 100V	K
C420		2291510391	CAP,MYL	0.010UF 100V	K
C421		2298856212	CAP,PPP	5600.000PF 2000V	J
C422		2296651212	CAP,PPP	5100.000PF 630V	J
C423		2311133412	CAP,MTL	0.330UF 400V	J
C424		2307327412	CAP,MTL	0.270UF 250V	J
C425		2307382412	CAP,MTL	0.820UF 250V	J
C426		2291510491	CAP,MYL	0.100UF 100V	K
C427		2333610591	CAP,MINI ELE 105°C	1.000UF 50V	M
C428		2303210312	CAP,MTL	0.010UF 250V	K
C429		2333433791	CAP,MINI ELE 105°C	330.000UF 25V	M
C430		2285147191	CAP,CER	470.000PF 1KV	K
C431		2307122512	CAP,MTL	2.200UF 100V	J
C432		2303210312	CAP,MTL	0.010UF 250V	K
C433		2291527391	CAP,MYL	0.027UF 100V	K
C434		2291510491	CAP,MYL	0.100UF 100V	K

LOC NO.	SOURCE	PART NO.	DESCRIPTION	SPEC.	REMARK
D409		2363600195	DIODE,SWITCH	1N4148	
D410	RA	2363218495	DIODE,RECT	BYD33J	PHILIPS
D410	RB	2363219195	DIODE,RECT	RGP10J	GI
D412	RA	2363218495	DIODE,RECT	BYD33J	PHILIPS
D412	RB	2363219195	DIODE,RECT	RGP10J	GI
D413		2363600195	DIODE,SWITCH	1N4148	
D414		2363600195	DIODE,SWITCH	1N4148	
D415	RA	2363218495	DIODE,RECT	BYD33J	PHILIPS
D415	RB	2363219195	DIODE,RECT	RGP10J	GI
D416		2363600195	DIODE,SWITCH	1N4148	
D417	RA	2363200295	DIODE,RECT	BYD33M	PHILIPS
D417	RB	2363206695	DIODE,RECT	RGP10M	
D418		2363600195	DIODE,SWITCH	1N4148	
D419		2363600195	DIODE,SWITCH	1N4148	
D420		2363215195	DIODE,RECT	RGP02-18E	GI
D601		2363600195	DIODE,SWITCH	1N4148	
D602		2363600195	DIODE,SWITCH	1N4148	
D801	RA	2363216812	DIODE,RECT	1N5406	TSC
D801	RB	2363217112	DIODE,RECT	1N5406	CTC
D801	RC	2363217595	DIODE,RECT	20D8	IR
D802	RA	2363216812	DIODE,RECT	1N5406	TSC
D802	RB	2363217112	DIODE,RECT	1N5406	CTC
D802	RC	2363217595	DIODE,RECT	20D8	IR
D803	RA	2363216812	DIODE,RECT	1N5406	TSC
D803	RB	2363217112	DIODE,RECT	1N5406	CTC
D803	RC	2363217595	DIODE,RECT	20D8	IR
D804	RA	2363216812	DIODE,RECT	1N5406	TSC
D804	RB	2363217112	DIODE,RECT	1N5406	CTC
D804	RC	2363217595	DIODE,RECT	20D8	IR
D805		2363600195	DIODE,SWITCH	1N4148	
D807		2363600195	DIODE,SWITCH	1N4148	
D808		2363600195	DIODE,SWITCH	1N4148	
D809		2363215495	DIODE,RECT	BYV26C	PHILIPS
D810		2363215495	DIODE,RECT	BYV26C	PHILIPS
D811		2363215495	DIODE,RECT	BYV26C	PHILIPS
D812	RA	2363218395	DIODE,RECT	BYV95B	PHILIPS
D812	RB	2363208095	DIODE,RECT	10DF4	
D813		2363212000	DIODE,RECT	31DF4 3.0A 400V	FRONTIER
D814		2363214712	DIODE,RECT	30DF2	IR
D815		2363214712	DIODE,RECT	30DF2	IR
D816		2363214712	DIODE,RECT	30DF2	IR
D818		2363600195	DIODE,SWITCH	1N4148	
D830		2363600195	DIODE,SWITCH	1N4148	
D831		2363212012	DIODE,RECT	31DF4 3.0A 400V	
D833		2363600195	DIODE,SWITCH	1N4148	
F801		2213125200	FUSE	BEL 5TT 2.5A 250V	
F801M		2407213100	HOLDER,FUSE	E-102 BSR-2A-H	
IC101		2365408600	IC,DIGITAL	JD156G 69K/OSD MICON	
IC102		2365316200	IC,LINEAR	24LC16B	MICROCHI
IC103	RA	2365401500	IC,DIGITAL	HD74LS86	HITACHI
IC103	RB	2365308500	IC,LINEAR	74LS86N	TEXAS
IC301		2365316900	IC,LINEAR	TDA4866	PHILIPS
IC401		2365316800	IC,LINEAR	TDA4852	PHILIPS
IC402	RA	2365315600	IC,LINEAR	LM317T	NS
IC402	RB	2365315620	IC,LINEAR	KA317	SAMSUNG
IC403		2365317800	IC,LINEAR	LM324N	PHILIPS
IC404	RA	2365318800	IC,LINEAR	HEF4066BP	PHILIPS
IC404	RB	2365318400	IC,LINEAR	CD4066BCN	NS
IC601		2365316300	IC,LINEAR	TDA7057AQ	PHILIPS
IC801		2365311500	IC,LINEAR	KA3842B	SAMSUNG
IC802	RA	2365202000	IC,MONO	NE555N	PHILIPS
IC802	RB	2365201710	IC,MONO	NE555P	TI
IC803		2365307300	IC,LINEAR	TL431CLP	MOTOROLA
IC804		2365313800	IC,LINEAR	KA7805	SAMSUNG
J144		2233447395	RES,CBN 1/4 S	1/4WS 47.00K	J
J197		2235410995	RES,MTL 1	1W 1.00	J
L402		2371105000	COIL,CHOK	JD156H 6.8UH 14.5T 0.028OHM	
L403		2371130900	COIL,CHOK	JD156G 3.5UH9.5T REF	
L404		2385502900	COIL,H LNR	JD156H 11.2UH(0A) 29.5T	
L405		2371154700	COIL,CHOK	JD176 90UH 39.5T(REF)	
L406		2371131500	COIL,CHOK	JD156H 9mH/2UEW0.2 ϕ 440.5T	

LOC NO.	SOURCE	PART NO.	DESCRIPTION	SPEC.	REMARK	Q'TY
Q424	RA	2361316191	XISTOR,NPN R	2PC945P	PHILIPS	
Q424	RB	2361313691	XISTOR,NPN R	KSC945-G	SAMSUNG	
Q425	RA	2361316191	XISTOR,NPN R	2PC945P	PHILIPS	
Q425	RB	2361313691	XISTOR,NPN R	KSC945-G	SAMSUNG	
Q804	RA	2361604500	FET,N-CH	FS10KM-12	MITSUBIS	
Q804	RB	2361605000	FET,N-CH	2SK2645-01M	FUJI	
Q804	RC	2361601200	FET,N-CH	2SK1507	FUJITSU	
Q805	RA	2361316191	XISTOR,NPN R	2PC945P	PHILIPS	
Q805	RB	2361313691	XISTOR,NPN R	KSC945-G	SAMSUNG	
Q807		2361111191	XISTOR,PNP R	2SA1020(Y)	TOSHIBA	
Q809	RA	2361316191	XISTOR,NPN R	2PC945P	PHILIPS	
Q809	RB	2361313691	XISTOR,NPN R	KSC945-G	SAMSUNG	
Q810	RA	2361604600	FET,N-CH	FS10KM-5	MITSUBIS	
Q810	RB	2361604800	FET,N-CH	2SK1917-M	FUJI	
Q811	RA	2361316191	XISTOR,NPN R	2PC945P	PHILIPS	
Q811	RB	2361313691	XISTOR,NPN R	KSC945-G	SAMSUNG	
Q812	RA	2361316191	XISTOR,NPN R	2PC945P	PHILIPS	
Q812	RB	2361313691	XISTOR,NPN R	KSC945-G	SAMSUNG	
R101		2233410395	RES,CBN 1/4 S	1/4WS 10.00K	J	
R102		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J	
R110		2233410495	RES,CBN 1/4 S	1/4WS 100.00K	J	
R111		2233433295	RES,CBN 1/4 S	1/4WS 3.30K	J	
R112		2233433295	RES,CBN 1/4 S	1/4WS 3.30K	J	
R113		2233410395	RES,CBN 1/4 S	1/4WS 10.00K	J	
R114		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J	
R115		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J	
R118		2233412295	RES,CBN 1/4 S	1/4WS 1.20K	J	
R119		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J	
R120		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J	
R121		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J	
R122		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J	
R124		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J	
R125		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J	
R126		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J	
R127		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J	
R129		2233436295	RES,CBN 1/4 S	1/4WS 3.60K	J	
R130		2233430295	RES,CBN 1/4 S	1/4WS 3.00K	J	
R131		2233430295	RES,CBN 1/4 S	1/4WS 3.00K	J	
R132		2233430295	RES,CBN 1/4 S	1/4WS 3.00K	J	
R133		2233430295	RES,CBN 1/4 S	1/4WS 3.00K	J	
R134		2233430295	RES,CBN 1/4 S	1/4WS 3.00K	J	
R135		2233430295	RES,CBN 1/4 S	1/4WS 3.00K	J	
R137		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J	
R138		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J	
R140		2233447395	RES,CBN 1/4 S	1/4WS 47.00K	J	
R141		2233447295	RES,CBN 1/4 S	1/4WS 47.00K	J	
R301		2239222025	RES,PRE 1/4 S	1/4WS 22.00K	F	
R302		2233427495	RES,CBN 1/4 S	1/4WS 270.00K	J	
R303		2233418495	RES,CBN 1/4 S	1/4WS 180.00K	J	
R305		2233475495	RES,CBN 1/4 S	1/4WS 750.00K	J	
R306		2233410495	RES,CBN 1/4 S	1/4WS 100.00K	J	
R307		2233456395	RES,CBN 1/4 S	1/4WS 56.00K	J	
R308		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J	
R309		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J	
R310		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J	
R312		2233456395	RES,CBN 1/4 S	1/4WS 56.00K	J	
R314		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J	
R315		2233420395	RES,CBN 1/4 S	1/4WS 20.00K	J	
R316		2233415295	RES,CBN 1/4 S	1/4WS 1.50K	J	
R317		2233415295	RES,CBN 1/4 S	1/4WS 1.50K	J	
R318		2233468495	RES,CBN 1/4 S	1/4WS 680.00K	J	
R319		2233443495	RES,CBN 1/4 S	1/4WS 430.00K	J	
R320		2233412495	RES,CBN 1/4 S	1/4WS 120.00K	J	
R321		2235468195	RES,MTL 1	1W 680.00	J	
R322		2235513903	RES,MTL 2	2W 1.30	J	
R323		2232610095	RES,CBN 1/2	1/2W 10.00	J	
R325		2239224915	RES,PRE 1/4 S	1/4WS 2.49K	F	
R326		2232610295	RES,CBN 1/2	1/2W 1.00K	J	
R327		2233415495	RES,CBN 1/4 S	1/4WS 150.00K	J	
R328		2233422395	RES,CBN 1/4 S	1/4WS 22.00K	J	
R334		2233447395	RES,CBN 1/4 S	1/4WS 47.00K	J	

LOC NO.	SOURCE	PART NO.	DESCRIPTION	SPEC.	REMARK
R472		2233420395	RES,CBN 1/4 S	1/4WS 20.00K	J
R473		2233468295	RES,CBN 1/4 S	1/4WS 6.80K	J
R474		2233436495	RES,CBN 1/4 S	1/4WS 360.00K	J
R475		2233410395	RES,CBN 1/4 S	1/4WS 10.00K	J
R477		2235547003	RES,MTL 2	2W 47.00	J
R478		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J
R480		2233422995	RES,CBN 1/4 S	1/4WS 2.20	J
R481		2233430095	RES,CBN 1/4 S	1/4WS 30.00	J
R482		2233410395	RES,CBN 1/4 S	1/4WS 10.00K	J
R483		2233451295	RES,CBN 1/4 S	1/4WS 5.10K	J
R484		2233410395	RES,CBN 1/4 S	1/4WS 10.00K	J
R485		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J
R486		2233433495	RES,CBN 1/4 S	1/4WS 330.00K	J
R487		2233433395	RES,CBN 1/4 S	1/4WS 33.00K	J
R488		2233410495	RES,CBN 1/4 S	1/4WS 100.00K	J
R489		2233410495	RES,CBN 1/4 S	1/4WS 100.00K	J
R490		2233443195	RES,CBN 1/4 S	1/4WS 430.00	J
R491		2233422195	RES,CBN 1/4 S	1/4WS 220.00	J
R492		2235433103	RES,MTL 1	1W 330.00	J
R493		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J
R494		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J
R495		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J
R496		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J
R498		2233410395	RES,CBN 1/4 S	1/4WS 10.00K	J
R601		2233422195	RES,CBN 1/4 S	1/4WS 220.00	J
R602		2233422195	RES,CBN 1/4 S	1/4WS 220.00	J
R603		2233420495	RES,CBN 1/4 S	1/4WS 200.00K	J
R604		2233462295	RES,CBN 1/4 S	1/4WS 6.20K	J
R605		2233412395	RES,CBN 1/4 S	1/4WS 12.00K	J
R606		2235410995	RES,MTL 1	1W 1.00	J
R607		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J
R608		2233412295	RES,CBN 1/4 S	1/4WS 1.20K	J
R609		2233427295	RES,CBN 1/4 S	1/4WS 2.70K	J
R612		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J
R613		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J
R614		2233443195	RES,CBN 1/4 S	1/4WS 430.00	J
R801		2235447495	RES,MTL 1	1W 470.00K	J
R802	RA	2229201212	THERMISTOR,PTH	SCK-103 10+-20% 3A	THINKING
R802	RB	2229400612	THERMISTOR,NTC	NTC UPPERMOST N10SP010***-K2	
R803		2233420995	RES,CBN 1/4 S	1/4WS 2.00	J
R804		2233410695	RES,CBN 1/4 S	1/4WS 10.00M	J
R805		2235439395	RES,MTL 1	1W 39.00K	J
R806		2235439395	RES,MTL 1	1W 39.00K	J
R808		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J
R811		2233468295	RES,CBN 1/4 S	1/4WS 6.80K	J
R812		2233420395	RES,CBN 1/4 S	1/4WS 20.00K	J
R813		2233447095	RES,CBN 1/4 S	1/4WS 47.00	J
R814		2233420195	RES,CBN 1/4 S	1/4WS 200.00	J
R815		2233420195	RES,CBN 1/4 S	1/4WS 200.00	J
R816		2233410495	RES,CBN 1/4 S	1/4WS 100.00K	J
R817		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J
R818		2233468495	RES,CBN 1/4 S	1/4WS 680.00K	J
R819		2233418395	RES,CBN 1/4 S	1/4WS 18.00K	J
R820		2233420295	RES,CBN 1/4 S	1/4WS 2.00K	J
R821		2232610295	RES,CBN 1/2	1/2W 1.00K	J
R822		2235433895	RES,MTL 1	1W 0.33	J
R823		2235447395	RES,MTL 1	1W 47.00K	J
R824		2233418095	RES,CBN 1/4 S	1/4WS 18.00	J
R826		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J
R827		2233415295	RES,CBN 1/4 S	1/4WS 1.50K	J
R828		2233410395	RES,CBN 1/4 S	1/4WS 10.00K	J
R829		2235533803	RES,MTL 2	2W 0.33	J
R830		2235522103	RES,MTL 2	2W 220.00	J
R833		2233410395	RES,CBN 1/4 S	1/4WS 10.00K	J
R834		2233420195	RES,CBN 1/4 S	1/4WS 200.00	J
R835		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J
R836		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J
R838		2233447295	RES,CBN 1/4 S	1/4WS 4.70K	J
R850		2233410395	RES,CBN 1/4 S	1/4WS 10.00K	J
R851		2233410295	RES,CBN 1/4 S	1/4WS 1.00K	J
R852		2233410095	RES,CBN 1/4 S	1/4WS 10.00	J

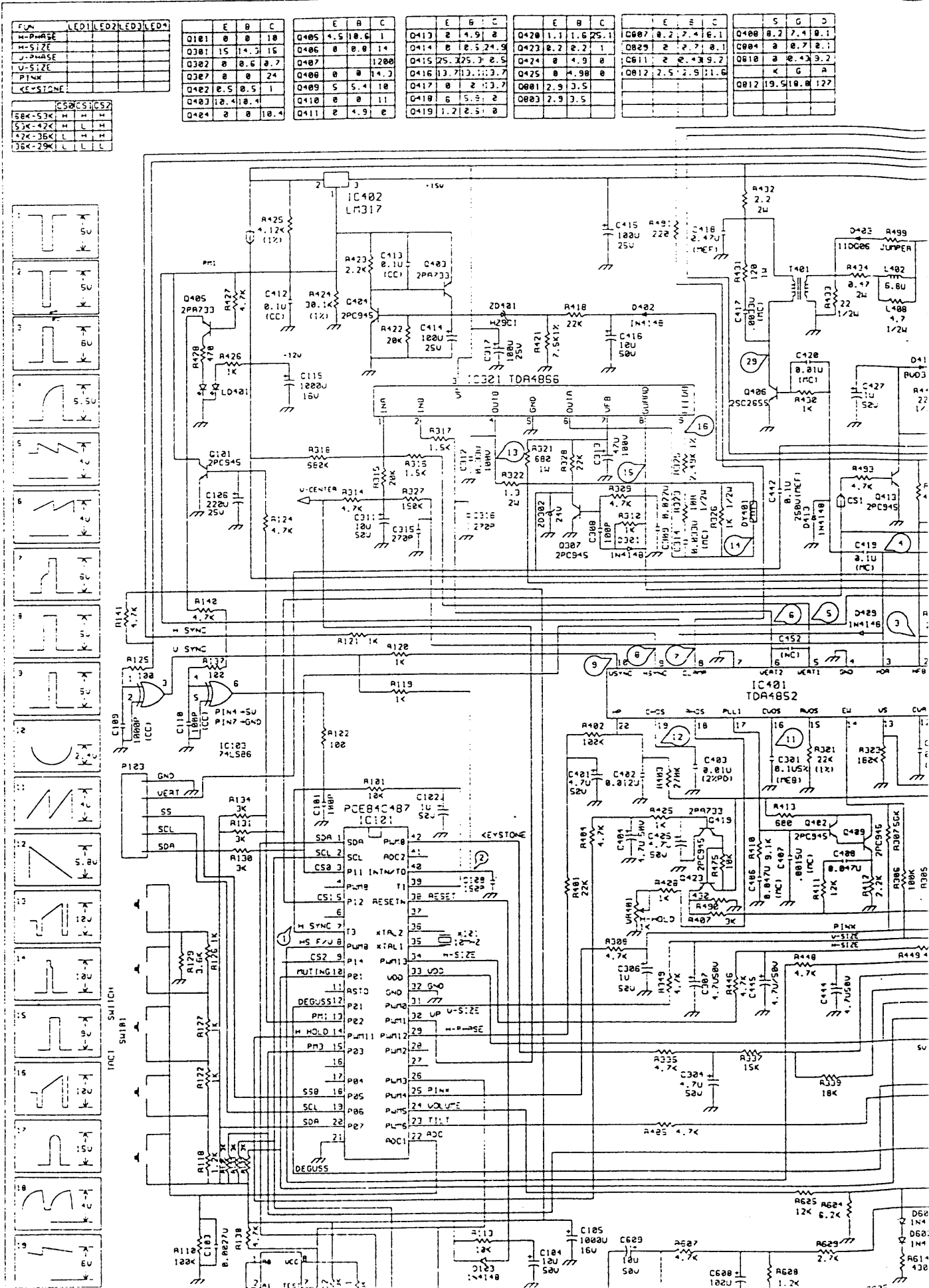
LOC NO.	SOURCE	PART NO.	DESCRIPTION	SPEC.	REMARK
C922		2281410491	CAP,CER	0.100UF 50V	Z
C923		2281410491	CAP,CER	0.100UF 50V	Z
C924		2233647691	CAP,MINI ELE 105°C	47.000UF 50V	M
C925		2291510391	CAP.MYL	0.010UF 100V	K
C926		2272110191	CAP,CER	100.000PF 50V	J
C927		2272110191	CAP,CER	100.000PF 50V	J
C928		2291510391	CAP.MYL	0.010UF 100V	K
C929		2272110191	CAP,CER	100.000PF 50V	J
C930		2333610691	CAP,MINI ELE 105°C	10.000UF 50V	M
C931		2281410491	CAP,CER	0.100UF 50V	Z
C932		2272110191	CAP,CER	100.000PF 50V	J
C933		2272110191	CAP,CER	100.000PF 50V	J
C934		2272110191	CAP,CER	100.000PF 50V	J
C935		2285210201	CAP,CER	1000.000PF 2KV	K
C936		2291522391	CAP.MYL	0.022UF 100V	K
C937		2291522391	CAP.MYL	0.022UF 100V	K
C938		2291522391	CAP.MYL	0.022UF 100V	K
C939		2291522391	CAP.MYL	0.022UF 100V	K
C940		2281410491	CAP,CER	0.100UF 50V	Z
C941		2281410491	CAP,CER	0.100UF 50V	Z
C942		2333610791	CAP,MINI ELE 105°C	100.000UF 50V	M
C948		2272110191	CAP,CER	100.000PF 50V	J
C949		2272110191	CAP,CER	100.000PF 50V	J
C950		2272110191	CAP,CER	100.000PF 50V	J
D901		2363600195	DIODE,SWITCH	1N4148	
D902		2363600195	DIODE,SWITCH	1N4148	
D903		2363600195	DIODE,SWITCH	1N4148	
D904		2363600195	DIODE,SWITCH	1N4148	
D905		2363600195	DIODE,SWITCH	1N4148	
D906		2363600195	DIODE,SWITCH	1N4148	
D907		2363219295	DIODE,RECT	RGP10G	GI
D908		2363600195	DIODE,SWITCH	1N4148	
D909		2363600195	DIODE,SWITCH	1N4148	
D910		2363600195	DIODE,SWITCH	1N4148	
D912		2363600195	DIODE,SWITCH	1N4148	
D913		2363600195	DIODE,SWITCH	1N4148	
D914		2363600195	DIODE,SWITCH	1N4148	
D915		2363600195	DIODE,SWITCH	1N4148	
IC901		2365317600	IC,LINEAR	TDA4882	PHILIPS
IC902		2365408300	IC,DIGITAL	PCB2421P	PHILIPS
IC903		2365316410	IC,LINEAR	MTV004N-04	MYSON
L901		2372222995	COIL,PEAKING	2.20UH K R<0.25 I 630mA	
L902		2372210995	COIL,PEAKING	1.00UH K R<0.15 I 815mA	
L903		2372222995	COIL,PEAKING	2.20UH K R<0.25 I 630mA	
L904		2372222995	COIL,PEAKING	2.20UH K R<0.25 I 630mA	
L905		2379101495	CORE,BEADS	TDK BF45TSA-3.5X9X0.8	
L906		2372210995	COIL,PEAKING	1.00UH K R<0.15 I 815mA	
L907		2372210995	COIL,PEAKING	1.00UH K R<0.15 I 815mA	
L908		2372110191	COIL,PEAKING	TDK EL0606RA 100.000UH J	
L909		2379101495	CORE,BEADS	TDK BF45TSA-3.5X9X0.8	
L911		2372215095	COIL,PEAKING	15.00UH K R<0.93 I 335mA	
L912		2372215095	COIL,PEAKING	15.00UH K R<0.93 I 335mA	
L913		2372215095	COIL,PEAKING	15.00UH K R<0.93 I 335mA	
M901		2427307006	LUG W/WIRE	1441BS-2/J1012BS-2 1007#18 120L	
M902		2427307006	LUG W/WIRE	1441BS-2/J1012BS-2 1007#18 120L	
P901		2404351014	CONNECTOR	MOLEX 5267-15A 15PIN P=2.5	
P902		2404300011	CONNECTOR	B12B-XH-A 12PIN	
P904	RA	2407402300	SOCKET	CRT SOCKET HPS0520-012401	
P904	RB	2407402400	SOCKET	ISHM35S	INCHANG
Q901	RA	2361411300	XISTOR,NPN A	2SD2491C	HITACHI
Q901	RB	2361311100	XISTOR,NPN R	2SC3953DE	SANYO
Q902		2361110691	XISTOR,PNP R	2SA1208-S	SANYO
Q903		2361313391	XISTOR,NPN R	2SC2910-S	SANYO
Q904		2361110691	XISTOR,PNP R	2SA1208-S	SANYO
Q905		2361313391	XISTOR,NPN R	2SC2910-S	SANYO
Q906	RA	2361411300	XISTOR,NPN A	2SD2491C	HITACHI
Q906	RB	2361311100	XISTOR,NPN R	2SC3953DE	SANYO
Q907		2361110691	XISTOR,PNP R	2SA1208-S	SANYO
Q908		2361313391	XISTOR,NPN R	2SC2910-S	SANYO
Q909	RA	2361411300	XISTOR,NPN A	2SD2491C	HITACHI

LOC NO.	SOURCE	PART NO.	DESCRIPTION	SPEC.	REMARK
R964		2233410695	RES,CBN 1/4 S	1/4WS 10.00M	J
R965		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J
R966		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J
R967		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J
R968		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J
R969		2233410195	RES,CBN 1/4 S	1/4WS 100.00	J
R970		2239207505	RES,PRE 1/4 S	1/4WS 75.00	F
R971		2239207505	RES,PRE 1/4 S	1/4WS 75.00	F
R972		2239207505	RES,PRE 1/4 S	1/4WS 75.00	F
R973		2232647095	RES,CBN 1/2	1/2W 47.00	J
R974		2235547203	RES,MTL 2	2W 4.70K	J
R975		2235530903	RES,MTL 2	2W 3.00	J
R976		2233420195	RES,CBN 1/4 S	1/4WS 200.00	J
R977		2233447395	RES,CBN 1/4 S	1/4WS 47.00K	J
R978		2233447395	RES,CBN 1/4 S	1/4WS 47.00K	J
R980		2235547203	RES,MTL 2	2W 4.70K	J
R981		2235547203	RES,MTL 2	2W 4.70K	J
R982		2235547203	RES,MTL 2	2W 4.70K	J
R984		2233475295	RES,CBN 1/4 S	1/4WS 7.50K	J
R986		2233422095	RES,CBN 1/4 S	1/4WS 22.00	J
R987		2233422095	RES,CBN 1/4 S	1/4WS 22.00	J
R988		2233422095	RES,CBN 1/4 S	1/4WS 22.00	J
R989		2233447395	RES,CBN 1/4 S	1/4WS 47.00K	J
TP901		2404200100	PIN PLUG	UZ-006P(1P-A)	
TP902		2404200100	PIN PLUG	UZ-006P(1P-A)	
U002		2202103802	PC BOARD	JD156H CRT 94V0 110X142 V3.02	
VR901		2225120291	RES,SEMI FIX	0.1 W B 2K	N
VR902		2225120291	RES,SEMI FIX	0.1 W B 2K	N
VR903		2225120291	RES,SEMI FIX	0.1 W B 2K	N
VR904		2225110391	RES,SEMI FIX	0.1 W B 10K	N
VR905		2225110391	RES,SEMI FIX	0.1 W B 10K	N
ZD902		2363500995	DIODE,ZENER	HZ5C-2 5.0-5.2V 0.5W	HITACHI

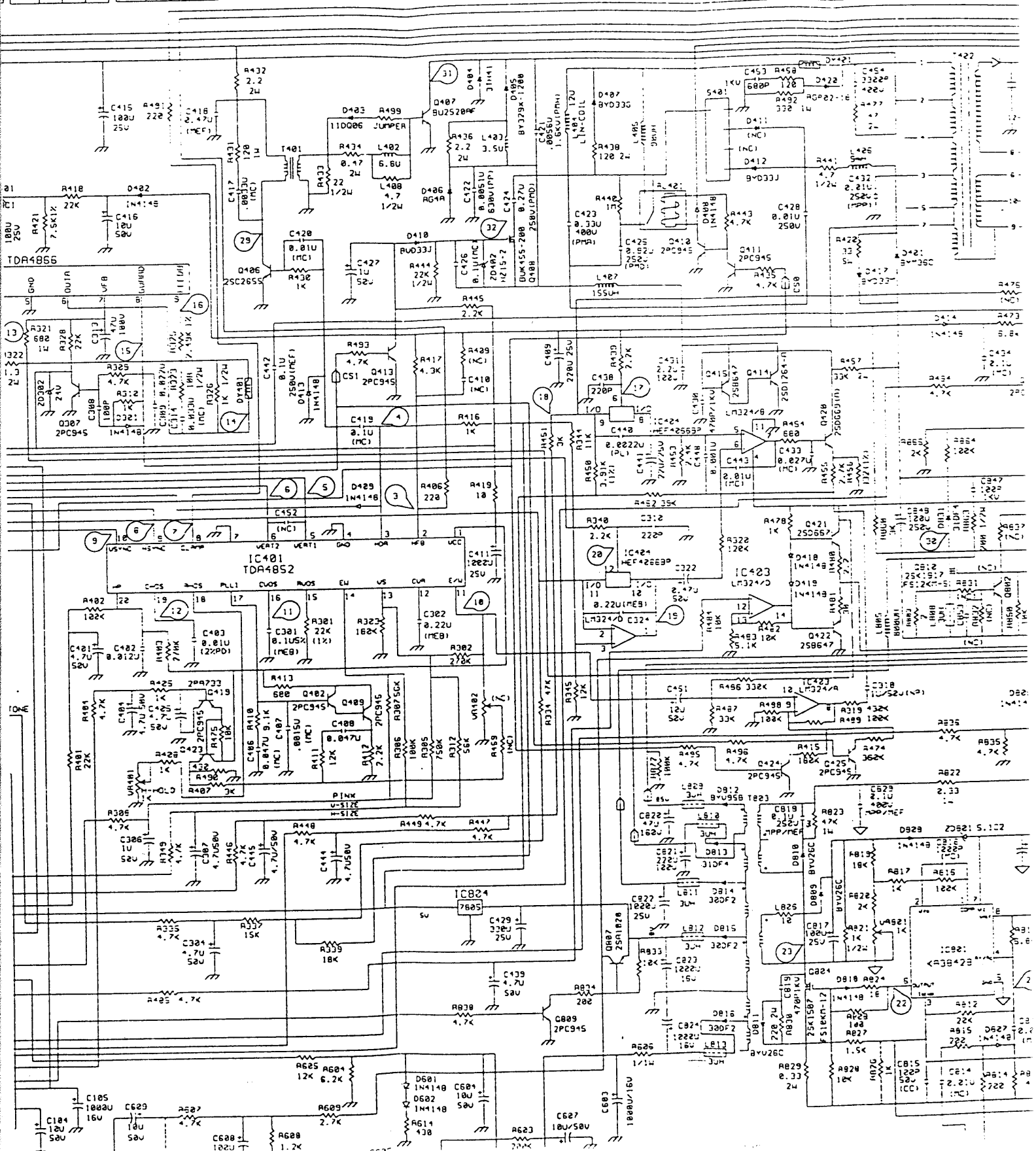
OTHERS

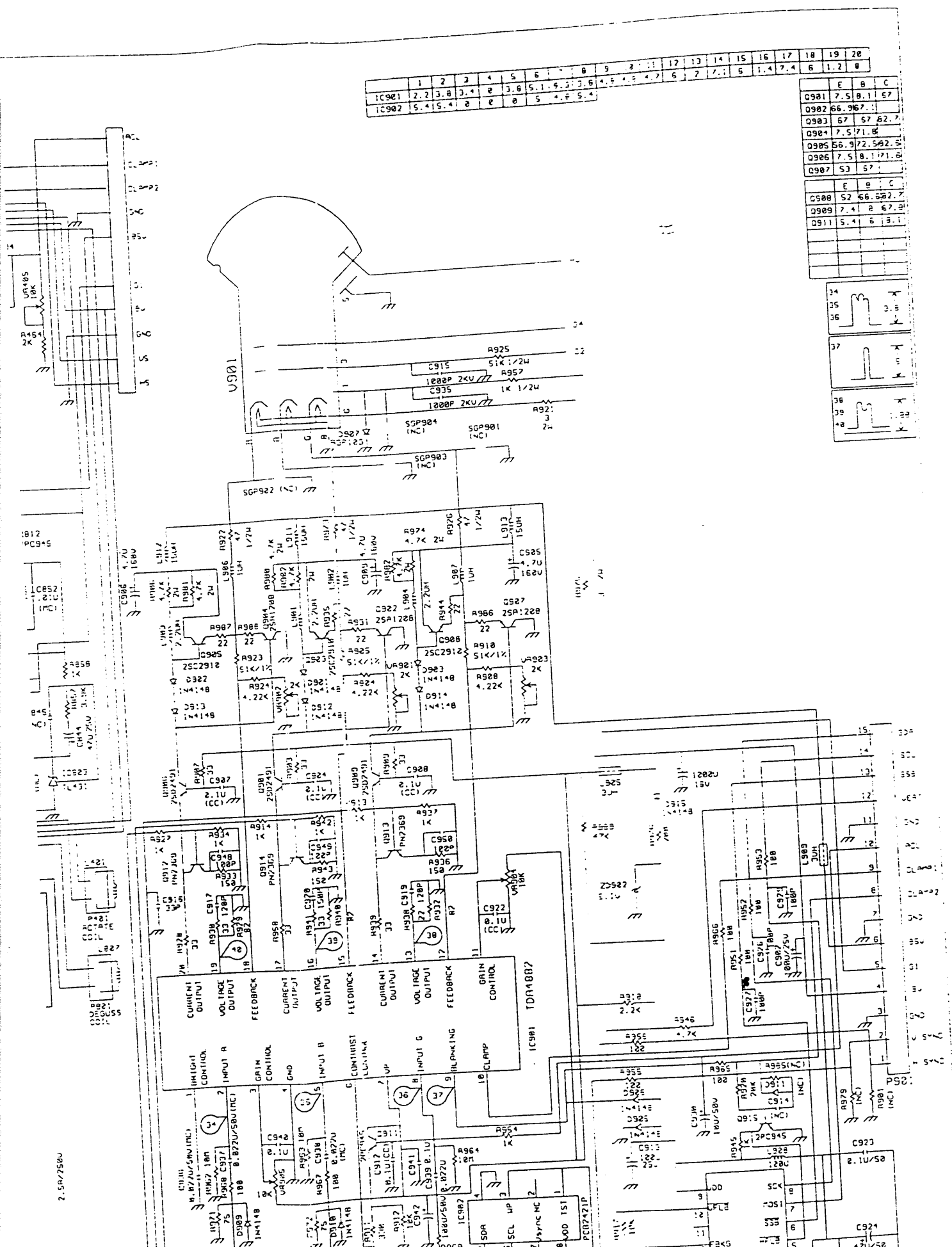
M601		2427412421	WIRE HARNESS	LEOCO 5700S02 RED/BLACK1007#24	
M602		2427412422	WIRE HARNESS	LEOCO 5700S02 Y/B 1007#24	
SP601		2391105002	SP,DYN,RND	8 OHM 2" 2W-4W EAS5P317B6	
SP602		2391105002	SP,DYN,RND	8 OHM 2" 2W-4W EAS5P317B6	
P607		2427700001	CORD RCA	RCA UL2562#26 1500L MONO	
P608		2427700003	CORD RCA		
L807		2385403300	COIL,ERASE	JD156H 0.4x80T 1125L W AI&W	
P906		2427501029	I/O CABLE	D-SUB 15P MALE/JST 12P DDC 1.5M	
P906		2427501036	I/O CABLE	D-SUB 15P MALE/JST 12P DDC 1.8M	
P907		2427130001	POWER CORD	SVT 18/3C GRAY 1.5M	WALL TYPE
P907		2427125001	POWER CORD	H05VV-F 0.75/3C 2468 GRAY 1.5M	PC TYPE
P900		2420102100	CRT WIRE	JD156H 0.12/64C 745L	
V901	AA	2211006200	CRT ASSY	M36EDR320x131/2F01	MPR II (PHILIPS)
V901	BA	2211007100	CRT ASSY	M36AES83x46	MPR II (CPT)
V901	CA	2211009900	CRT ASSY	M36KPC030x01	MPR II (MATSUSHITA)
C422	AB	2296651212	CAP,PPP	5100.000PF 630V	J MPR II (PHILIPS)
C422	BB	2296656212	CAP,PPP	5600.000PF 630V	J MPR II (CPT)
C422	CB	2296656212	CAP,PPP	5600.000PF 630V	J MPR II (MATSUSHITA)
R319	AC	2233443495	RES,CBN 1/4 S	1/4WS 430.00K	J MPR II (PHILIPS)
R319	BC	2233430495	RES,CBN 1/4 S	1/4WS 300.00K	J MPR II (CPT)
R319	CC	2233430495	RES,CBN 1/4 S	1/4WS 300.00K	J MPR II (MATSUSHITA)
R325	AD	2239224915	RES,PRE 1/4 S	1/4WS 2.49K	F MPR II (PHILIPS)
R325	BD	2239222015	RES,PRE 1/4 S	1/4WS 2.20K	F MPR II (CPT)
R325	CD	2239222615	RES,PRE 1/4 S	1/4WS 2.26K	F MPR II (MATSUSHITA)
R453	AE	2233424295	RES,CBN 1/4 S	1/4WS 2.40K	J MPR II (PHILIPS)
R453	BE	2233427295	RES,CBN 1/4 S	1/4WS 2.70K	J MPR II (CPT)
R453	CE	2233427295	RES,CBN 1/4 S	1/4WS 2.70K	J MPR II (MATSUSHITA)
R326	AF	2232610295	RES,CBN 1/2	1/2W 1.00K	J MPR II (PHILIPS)
R326	BF	2232627195	RES,CBN 1/2	1/2W 270.00	J MPR II (CPT)
R326	CF	2232651195	RES,CBN 1/2	1/2W 510.00	J MPR II (MATSUSHITA)
R975	AG	2235530903	RES,MTL 2	2W 3.00	J MPR II (PHILIPS)
R975	BG	2235530903	RES,MTL 2	2W 3.00	J MPR II (CPT)
R975	CG	2235513903	RES,MTL 2	2W 1.30	J MPR II (MATSUSHITA)
R921	AH	2235530903	RES,MTL 2	2W 3.00	J MPR II (PHILIPS)
R921	BH	2235530903	RES,MTL 2	2W 3.00	J MPR II (CPT)
R921	CH	2235513903	RES,MTL 2	2W 1.30	J MPR II (MATSUSHITA)

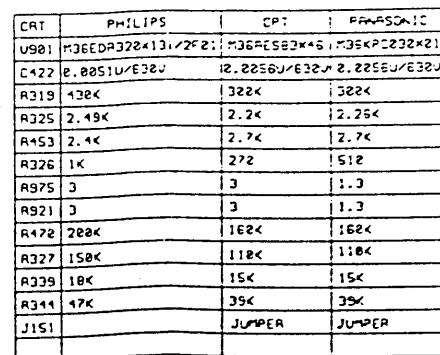
13. SCHEMATIC DIAGRAM



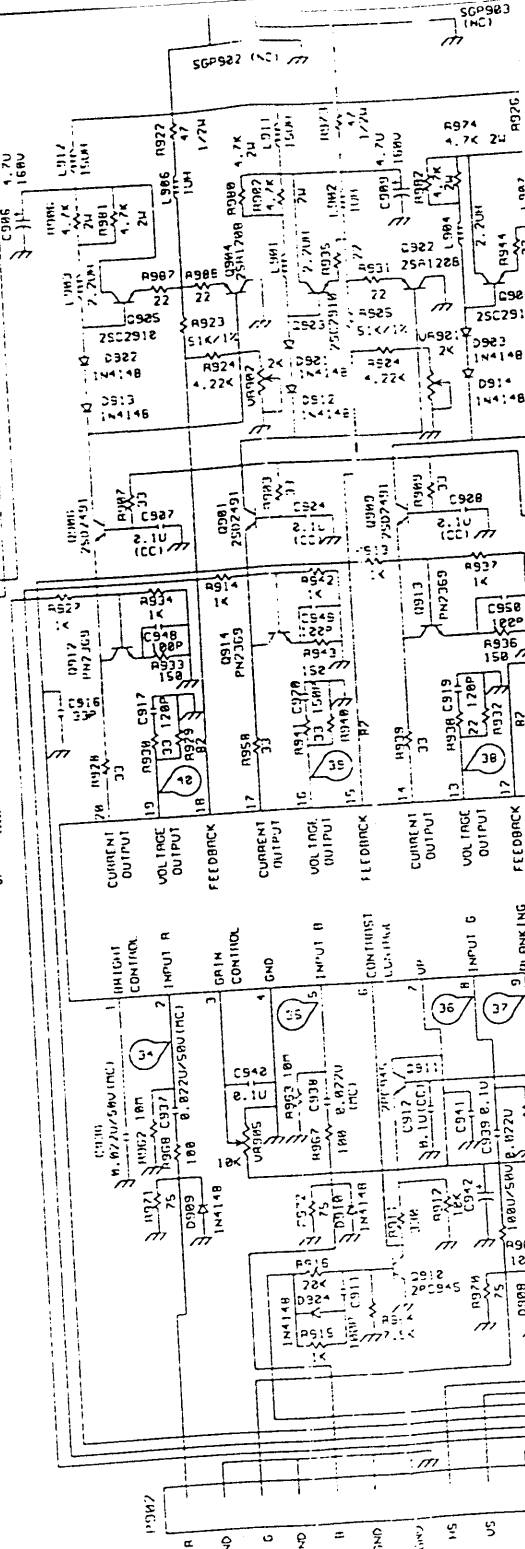
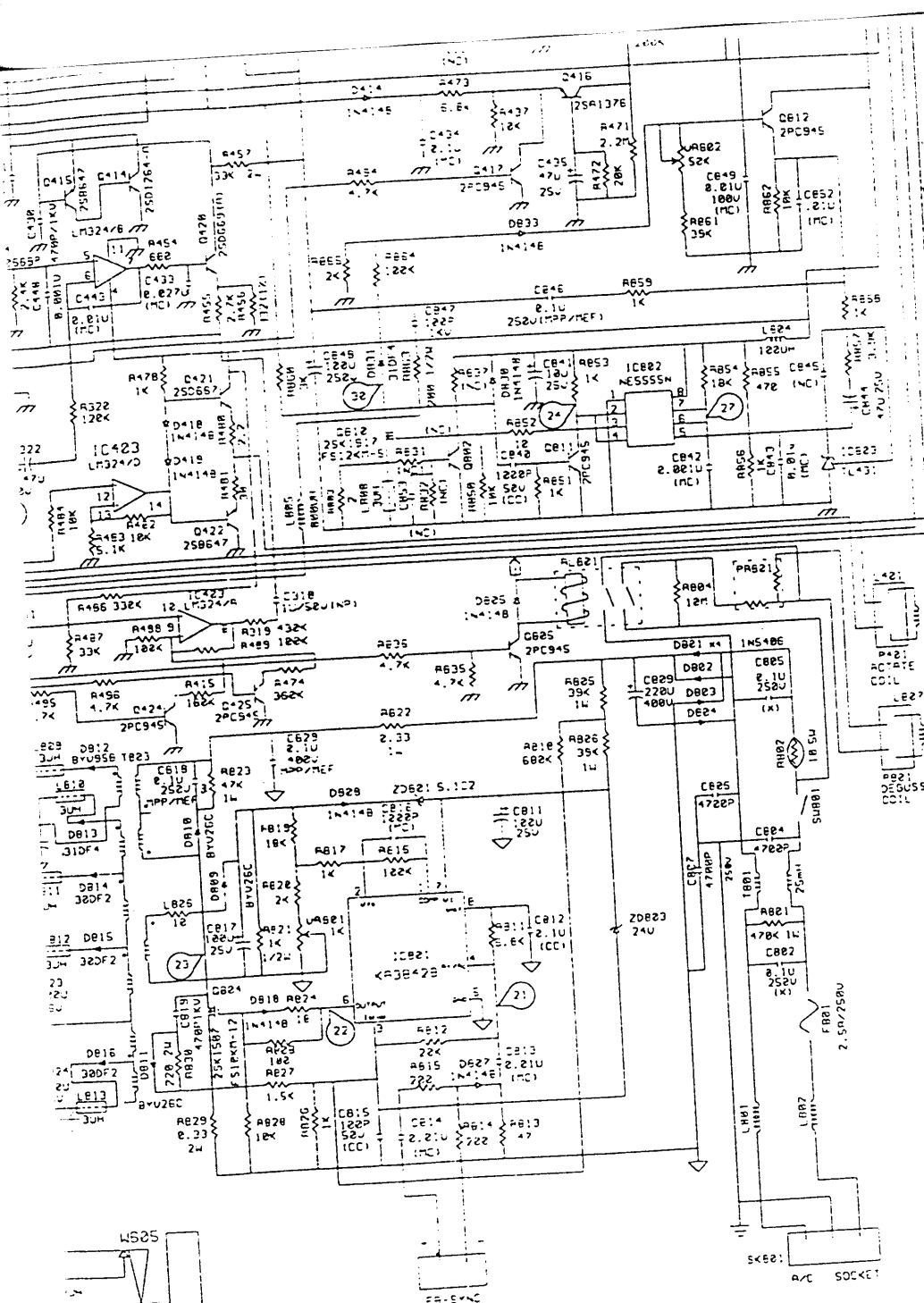
	E	B	C		E	B	C		S	G	D
Q420	1.1	1.6	25.1	Q807	8.2	7.4	8.1	Q408	8.2	7.4	8.1
Q423	8.2	8.2	1	Q829	2	7.7	8.1	Q804	8	8.7	8.1
Q424	8	4.9	8	Q811	2	2.4	9.2	Q810	8	8.4	9.2
Q425	8	4.98	8	Q812	2.5	2.9	11.6		K	G	A
Q801	2.9	3.5						Q812	19.5	18.8	127
Q803	2.9	3.5									







15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
0	0	5	5	5	5	0	0	0	3	3	0	0	0	3	2	2	0	5	1	2	0	1	1	1	5	0	3
2	2	3	6	5	6	5	5	5	3	3	0	0	0	3	2	2	0	5	1	2	0	1	1	1	5	0	3



CAT	PHILIPS	CP	PANASONIC
U801	M36EDP3224131/2F2	M36FESB3K46	M35KP232K2
C427	P.8251U/E32U	12.8256U/E32U	2.225EU/E32U
A319	120K	322K	322K
A325	2.49K	2.2K	2.25K
A453	2.4K	2.7K	2.7K
A376	1K	272	512
A975	3	3	1.3
A921	3	3	1.3
A472	220K	118K	110K
A327	150K	15K	15K
A339	18K	35K	35K
A344	47K	JUMPER	JUMPER
J151			

1 12
E 3.2

