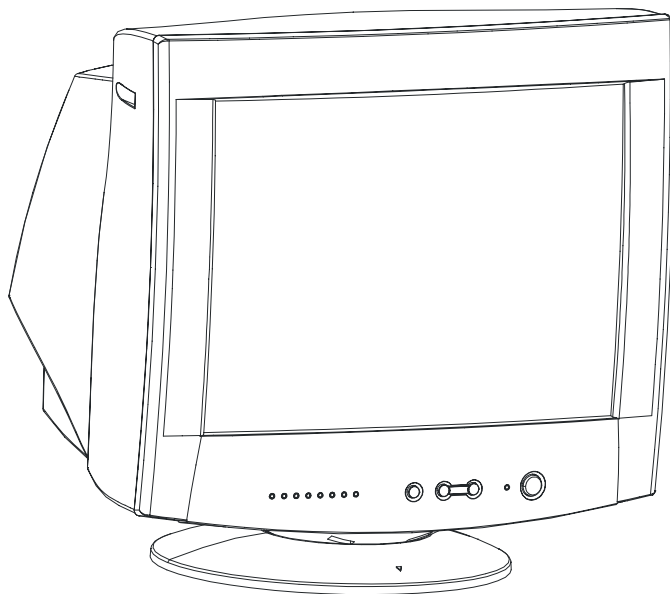


SERVICE MANUAL

COLOR MONITOR

HP P4795A
(D8897A)



P/N : 41A50-158



HEWLETT
PACKARD

TABLE OF CONTENTS

PAGE

1. SPECIFICATIONS	3
2. PRECAUTION AND NOTICES	5
2-1 SAFETY PRECAUTIONS	5
2-2 PRODUCT SAFETY NOTICE	5
2-3 SERVICE NOTES	5
2-4 HIGH VOLTAGE WARNING	6
3. OPERATING INSTRUCTIONS	7
4. ADJUSTMENT	8
4-1 ADJUSTMENT CONDITIONS AND PRECAUTIONS	8
4-2 MAIN ADJUSTMENTS	8
4-3 ADJUSTMENT METHOD	8-9
5. CIRCUIT DESCRIPTION	10-11
6. TROUBLE SHOOTING CHART	12
6-1 NO RASTER, CRT RELATIVE CIRCUIT PROBLEMS	12-13
6-2 ABNORMAL DISPLAY	14
6-3 NO BLANKING	15
6-4 HOR. /OSC /DEF /HV CIRCUIT FAULT	15
6-5 ABNORMAL HORIZONTAL DEFLECTION	16
6-6 ABNORMAL VERTICAL SCANNING	17
6-7 SIDE-PIN CUSHION DISTORTION	18
6-8 POOR FOCUS	18
6-9 POWER SUPPLY TROUBLE SHOOTING CHART	19
7. MECHANICAL OF CABINET FRONT DIS-ASSEMBLY.....	20
8. PARTS LISTING	21
9. BLOCK DIAGRAM (DEFLECTION)	35
9-1 BLOCK DIAGRAM (SMPS)	36
10. IC BLOCK DIAGRAMS.....	37
11. PCB LAYOUT	40
12. SCHEMATIC DIAGRAM	42

1. SPECIFICATIONS FOR D8897A COLOR MONITOR

1. CRT
38CM(15V) 90 Deflection, 29mm Neck, 0.28mm Dot Pitch, Non-Glare Screen
2. Viewable image Size: 35CM (13.8") diagonal
3. Display Color: Unlimited Colors
4. External Controls:
Power On/Off, UP/Down key, Function key: Contrast, Brightness, H-Size, H-Center, V-Size, V-Center, Pincushion, Trapezoid, Rotation.
5. Input Video Signal

	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Mode 7
	RGB Analog	RGB Analog	RGB Analog	RGB Analog	RGB Analog	RGB Analog	RGB Analog
Horiz. Sync:	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level
	Negative	Negative	Negative	Negative	Positive	Positive	Negative
Vert. Sync:	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level
	Positive	Negative	Negative	Negative	Positive	Positive	Negative

6. Resolution

Horizontal:	720 (H)	640 (H)	640 (H)	640 (H)	800 (H)	800 (H)	1024 (H)
Vertical :	400 (V)	480 (V)	480 (V)	480(V)	600(V)	600 (V)	768 (V)
Fh (KHz):	31.5	31.5	37.5	43.3	46.8	53.7	48.4
Fv (Hz) :	70	60	75	85	75	85	60
7. Display Size

Horizontal:	260 mm
Vertical:	195 mm
8. Scanning Frequencies

Horizontal:	30KHz ~ 54KHz
Vertical:	50 Hz ~ 120 Hz
9. Factory Preset Timings: 7
User Timings: 10
10. Misconvergence

Center:	0.3 mm Max.
Corner:	0.4 mm Max.
11. Video Bandwidth: 65 MHz
12. Power Source:
Switching Mode Power Supply
AC 100 ~240V, 50/60Hz Universal Type
13. Operating Temperature: 0°C to 40°C Ambient

14. Humidity:
10% to 85% Relative, Non-Condensing
15. Weight: 11.5Kgs(Net), 13.4Kgs(Gross, China)
13.0Kgs (Gross, Others)
16. Dimensions Monitor:
Carton: 490(W) × 460(H) × 530(D)mm (China)
455(W) × 425(H) × 455(D)mm (Others)
Monitor: 360(W) × 362(H) × 387(D)mm
17. External Connection:
15 Pin D-type Connector
AC Power Cord
18. Regulations: UL, CSA, DHHS, FCC-B, TÜV/GS, CE,
TÜV/MPR-II, CCEE, CCIB, BSMI, B, PCCT
SEMKO, NEMKO, DEMKO, FIMKO,
NOM, LS, EEI, VCCI, PSB

2. PRECAUTIONS AND NOTICES

2-1 SAFETY PRECAUTIONS

1. Observe all caution and safety related notes located inside the display cabinet.
2. Operation of the display with the cover removed, may cause a serious shock hazard from the display power supply. Work on the display should not be attempted by anyone who is not thoroughly familiar with precautions necessary when working on high voltage equipment.
3. Do not install, remove or handle the picture tube in any manner unless shatter-proof goggles are worn. People who are not so equipped should be kept away while handling picture tube. Keep picture tube away from the body while handling.
4. The picture tube is constructed to limit X-RAY radiation to 0.5 mR/HR. For continued protection, use the designated replacement tube only, and adjust the voltages so that the designated maximum rating at the anode will not be exceeded.
5. Before returning a serviced display to the customer, a thorough safety test must be performed to verify that the display is safe to operate without danger or shock. Always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as screw heads.
Test method for current leakage is described as follow.
 - (a) Plug the AC line cord directly into rated AC outlet (do not use a line isolation transformer during this check).
 - (b) Use an AC voltmeter having 5000 ohms per volt or with more sensitivity in the following manner: Connect a 1500 ohms 10 Watt resistor, paralleled by a 0.15UF, AC type capacitor between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts simultaneously. Measure the AC voltage across the combination of 1500 ohms resistor and 0.15UF capacitor.
 - (c) Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part.
 - (d) Voltage measured must not exceed 0.5 volts RMS. This corresponds to 0.35 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

2-2 PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety visual inspections and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Before replacing any of these components read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-RAY radiation or other hazards.

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 1/2W of metal oxide film resistor) in circuit board, keep the resistor about 10mm (1/2 in) 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 this model 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 interconnecting ground lead connections between chassis and picture tube dag 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

$$24.5KV \pm 1KV$$

with a line voltage of 120/240 VAC. 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.

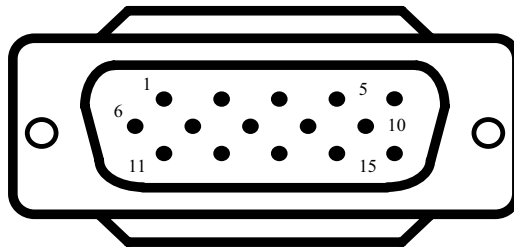
To determine the presence of high voltage, use an accurate, high impedance, HV meter connected between second anode lead and CRT dag grounding device. When servicing the High Voltage System, remove static charge from it by connecting a 10K ohm resistor in series with an insulated wire (such as a test probe) between picture tube dag 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 continue safety. Do not lift picture tube by the neck. Handle the picture tube only after discharging the high voltage completely.

3. OPERATING INSTRUCTIONS

This procedure gives you instructions for installing and using the D8897A Series display.

1. Position the display on the desired operation and plug the power cord into a convenient AC outlet. Three-wire power cord must be shielded and is provided as a safety precaution as it connects the chassis and cabinet to the electrical conduit ground. If the AC outlet in your location does not have provisions for the grounded type plug, the installer should attach the proper adapter to ensure a safe ground potential.
2. Connect the 15-pin color display shielded signal cable to your signal system device and lock both screws on the connector to ensure firm grounding. The connector information is as follow:



15 - Pin Color Display
Signal Cable

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	RED	9.	+5V
2.	GREEN	10.	NC
3.	BLUE	11.	SYNC. GND
4.	GND	12.	SDA
5.	NC	13.	HORIZ. SYNC
6.	GND-R	14.	VERT. SYNC (* VCLK)
7.	GND-G	15.	SCL
8.	GND-B		

3. Apply power to the display by turning the power switch to the "ON" position and allow about thirty seconds for display tube warm-up. The Power-On indicator lights when the display is on.
4. With proper signals feed to the display, a pattern or data should appear on the screen, adjust the brightness and contrast to the most pleasing display.
5. This monitor has power saving function following the VESA DPMS. Be sure to connect the signal cable to the PC.
6. If your D8897A Series color display requires service, it must be returned with the power cord.

4. ADJUSTMENT

4-1 ADJUSTMENT CONDITIONS AND PRECAUTIONS

1. Approximately 30 minutes should be allowed for warm up before proceeding.
2. Adjustments should be undertaken only on those necessary elements since most of them have been carefully preset at the factory.

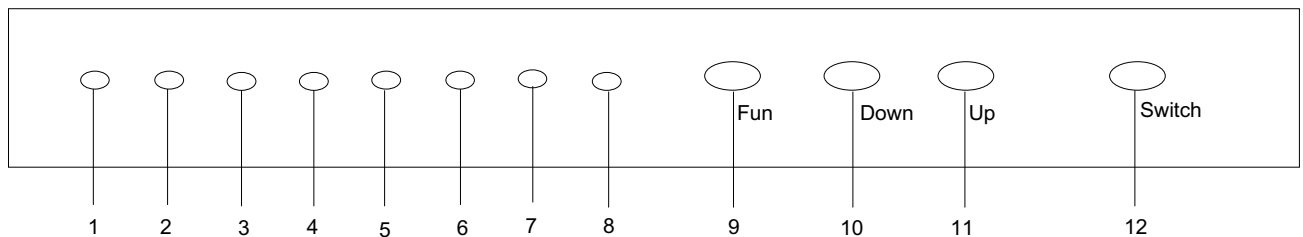
4-2 MAIN ADJUSTMENTS

NO.	FUNCTION	LOCATION	DESIGNATION
1.	15V ADJ	PCB - MAIN	VR901
2.	B + ADJ	PCB - MAIN	VR902
3.	SCREEN ADJ	FLY BACK TRANS	T402
4.	FOCUS ADJ	FLY BACK TRANS	T402
5.	ABL ADJ	PCB - MAIN	VR701
6.	SUB-BRIGHTNESS ADJ	PCB - MAIN	VR702
	-SELECT	PCB - MAIN	SW103
	-UP ▲	PCB - MAIN	SW101
7.	FUNCTION ADJ -DOWN ▼	PCB - MAIN	SW102

4-3 ADJUSTMENT METHOD

1. 15V, B + & HV voltage adjustment:
 - A. Chrome-2000 Signal generator or PC equivalent set 31K 60Hz mode 2, (VGA 640x480) pattern 1.
 - B. Connect a DC Volt meter between TP901 and ground, then adjust VR901 to be 15VDC.
 - C. Connect a DC Volt meter between TP902 and ground, then adjust VR902 to be 86VDC.
 - D. Connect a DC Volt meter between TP701(G1) and ground, Brightness set to max. Then adjust VR702 to be -35 VDC.

EXTERNAL CONTROLS



- | | |
|---------------|-------------------------|
| 1. CONTRAST | 8. TRAPEZOID |
| 2. BRIGHTNESS | 9. FUNCTION KEY |
| 3. H- SIZE | 10. DOWN KEY |
| 4. H- CENTER | 11. UP KEY |
| 5. V- SIZE | 12. POWER ON/OFF SWITCH |
| 6. V- CENTER | 7+8. ROTATION |
| 7. PINCUSHION | 10+11. RECALL |

2. Factory preset timings adjustment:

- A. When you turn on the monitor, the function LEDs will light Up simultaneously for a while, then extinguish.
- B. You can press hold the Up/Func tow key simultaneously turn on the monitor, the most left four LEDs will light Up for a while then exitinguish
- C. Input Geometric factory mode, then you can select one of the sixteen Functions, Including, Contrast, Brightness, H-Size, H-Center, V-Size, V-Center, Pincushion, Trapezoid, Rotation, V-Moire, H-Moire, Pin-Balance, Parallelogram, Corner, V-Linear and V-Linear Balance Simply, Press the Function key and the LED will be light UP corresponding to the one selected, then press the Up/Down keys to get the factory presetting parameter value to your satisfaction.
- D. Then change mode or power turn off, the display setting will be saved.
- E. Then you will press the turn OFF monitor again, the factory preset timings adjustment is finished.
- F. Function Control LED Display Fashion:

1.	Contrast	
2.	Brightness	
3.	H-Size	
4.	H-Center	
5.	V-Size	
6.	V-Center	
7.	Pincushion	
8.	Trapezoid	
9.	Rotation	
10.	V-Moire	
11.	H-Moire	
12.	Pin-Balance	
13.	Parallelogram	
14.	V-Linear	
15.	V-Linear Balance	

3. White Balance add Luminance adjustment:

- A. Bias (Low light) adjustment:
 - (a) Set mode 5 (800x600 Fh: 46.8KHz) full white pattern.
 - (b) Press hold the Down/Up tow key simultaneously turn on the monitor, the most right four LEDs will light up for a while then extinguish
 - (c) Input color adjust factory mode.
 - (d) Warm up more than 20 minutes.
 - (e) Brightness set to maximum. Contrast set to minimum full white pattern, then adjust FBT screen VR to make $Y = 1.0FL \pm 0.2FL$.
 - (f) Brightness set to raster just cutoff, adjust contrast to be $Y = 4 \pm 0.2FL$, then adjust G-Bias, B-Bias, R-Bias, to make the setting value, then adjust the R.G.B Bias individual to the color temperature $x = 283 \pm 10$, $y = 298 \pm 10$.
- B. Gain (High light) adjustment:
 - (a) Set mode 5 (800x600 Fh: 46.8KHz) full white pattern.
 - (b) Brightness set to raster just cutoff and set the contrast to max.
 - (c) Adjust G-Gain, B-Gain, R-Gain, to make color temperature $x = 283 \pm 10$, $y = 298 \pm 10$.
- C. Recheck item A&B to make sure both of them in spec.
- D. Color factory mode LED display fashion

1.	Contrast		●	○	○	○	○	○	○	○
2.	Brightness		○	●	○	○	○	○	○	○
3.	R-Bias		○	○	●	○	○	○	○	○
4.	G-Bias		○	○	○	●	○	○	○	○
5.	B-Bias		○	○	○	○	●	○	○	○
6.	R-Gain		○	○	○	○	○	●	○	○
7.	G-Gain		○	○	○	○	○	○	●	○
8.	B-Gain		○	○	○	○	○	○	○	●

E. Full white luminance:

- Set mode 5 (800x600 Fh: 46.8KHz) full white pattern.
- Image Size : H:260 ± 4mm V:195 ± 4mm.
- Brightness set to raster just cutoff and set the contrast to max.
- Adjust VR701 to the luminance at 25FL ~ 26FL.

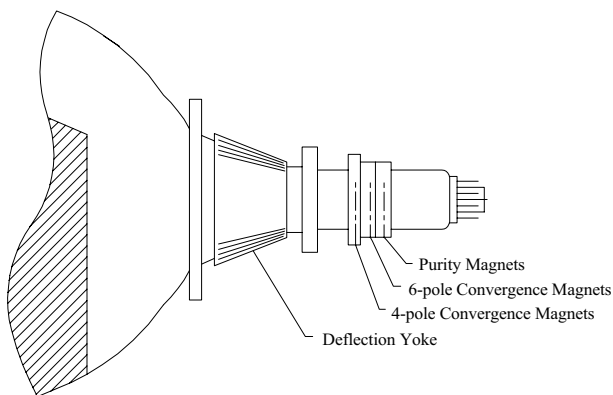
4. Focus adjustment:

- Set mode 2 (640x480 Fh: 31.5KHz) with character full page.
- Adjust external brightness to raster cutoff and external contrast to max. , then adjust focus VR to make the display be focused very well.

5. Purity adjustment

- Be sure that the display is not being exposed to any external magnetic fields.
- Ensure that the spacing between the Purity, Convergence, Magnet, (PCM), assembly and the CRT stem is 29mm .(See below diagram)
- Produce a complete, red pattern on the display. Adjust the purity magnet rings on the PCM assembly to obtain a complete field of the color red. This is done by moving the two tabs in such a manner that they advance in an opposite direction but at the same time to obtain the same angle between the two tabs, which should be approximately 180.
- Check the complete blue and complete green patterns to observe their respective color purity. make minor adjustments if needed.

RELATIVE PLACEMENT OF TYPICAL COMPONENTS



6. Convergence adjustment

- Produce a magenta crosshatch on the display.
- Adjust the focus for the best overall focus on the display.
Also adjust the brightness to the desired condition.
- Vertical red and blue lines are converged by varying the angle between the two tabs of the 4 pole magnets on the PCM assembly. (See above diagrams)
- Horizontal red and blue lines are converged by varying the two tabs together, keeping the angle between them constant.
- Produce a white crosshatch pattern on the display.
- Vertical green and magenta lines are converged by varying the angle between the two tabs of the 6-pole magnets.
- Horizontal green and magenta lines are converged by varying the two tabs together, keeping the angle between them constant.

5. CIRCUIT DESCRIPTION

5-1 MICRO CIRCUIT

IC101 is CPU, This CPU has the following functions.

1. Detect timing mode by sensing the horizontal frequency, vertical frequency, the polarity of Hor. Sync and Ver. Sync.
2. Key board scan control.
3. Geometry control internal D/A converters and I²C bus control.
4. Cs capacitor switch control.
5. Power saving control.

When CPU detects a timing, it takes data from E²PROM (IC102), then output voltage to control the geometry of this monitor.

If key is pressed, the CPU will do some job according to the key function. for example, if function key is pressed, it can change different value to control screen geometry (H-SIZE, V-SIZE.....etc.)

5-2 DEFLECTION CIRCUIT

Hor. sync. and Ver. sync., come from PC, go into the CPU (IC101). The output goes to the Hor. oscillation and Ver. oscillation processor (IC401). The IC401 treats sync. signal and output the drive signal to horizontal and vertical output circuit. IC401 also generates some functions for geometry use, like, horizontal center, vertical size, by I²C bus control, the geometry can be controlled. IC601 is a vertical output IC to supply the vertical scan. Q404, Q405, Q406 and L405 are the horizontal size controls. Q403 is the horizontal deflection output, supply the horizontal scan of the monitor. Q601 generate the Blanking signal output to G1 of CRT.

Q703 Q704 and Q705 are mute control, brightness control and G1 DC voltage output.

5-3 VIDEO CIRCUIT

IC801 is a video amplifier, clamping signal input from pin No. 23 to restore the DC voltage of video signal, the signal output from IC801 pass through IC802 Video package amplifier stage LM2468T, then go to the cut off DC restore stage, The video output signal is about 40Vpp.

The cut off DC restore from IC801 pass through IC803 control.

5-4 POWER SUPPLY

The design uses a discontinuous flyback topology operating in current-mode resulting in a multiple output switcher with stack well. faster diodes are used. The fast transient response of the control loop maintains picture integrity. Very fast current limiting protects the switcher against short circuits.

UC3842AM(IC901) is the current mode controller selected. It offers feed forward compensation, feedback error amplifier, and low voltage lock out features. The 3842 draws very little current in start up mode. There is enough power from the line bleeder to slowly charge a capacitor to the 16 volts needed to start the switcher.

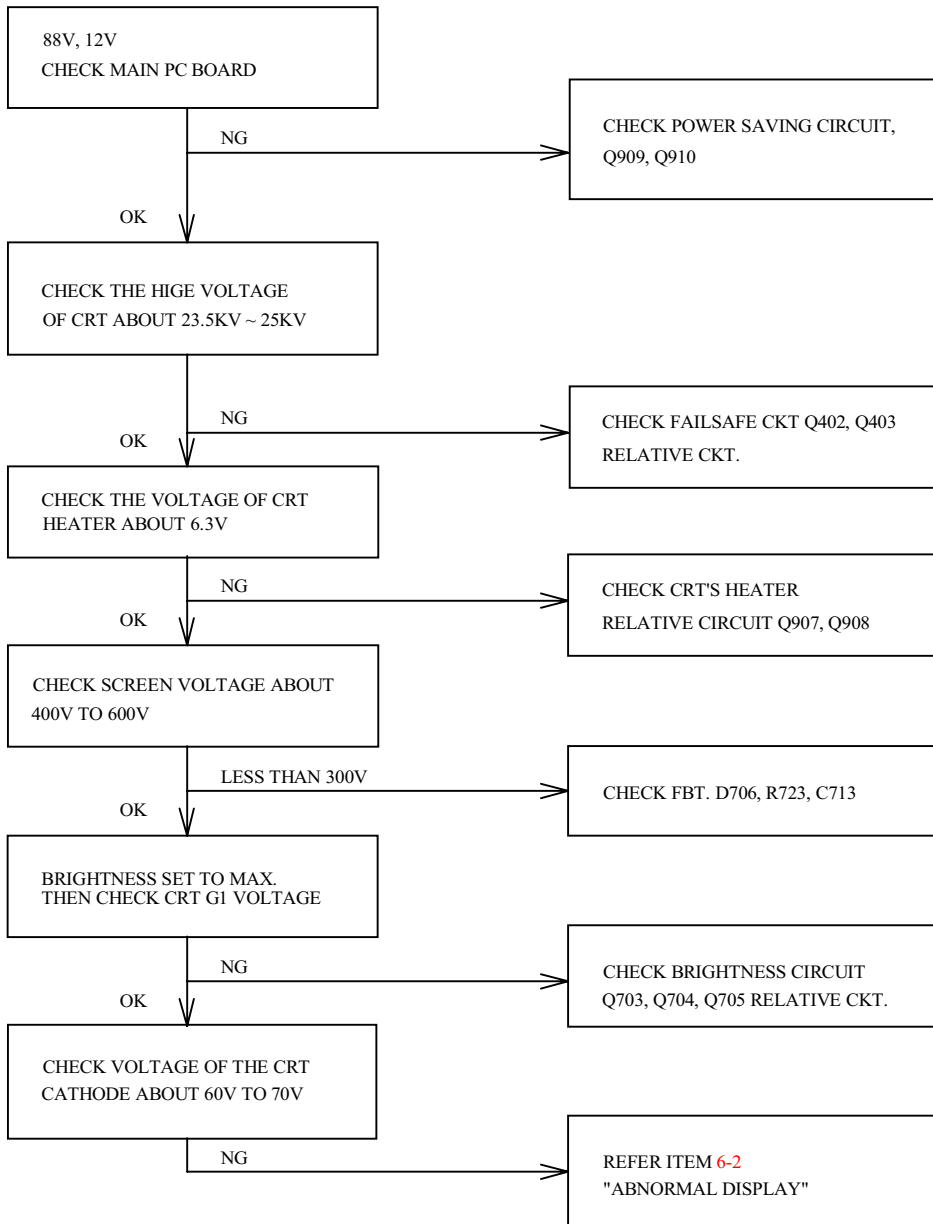
The FET starts a cycle by allowing current to flow into the primary of the power transformer. As current ramps up with time, the voltage across the current sense resistor (R929) also ramps to a point where the 3842 determines that enough power is stored and turns off the FET. As the voltage on the transformer reverses, power is dumped from the main power transformer through diodes into the different supplies. To keep RFI to a minimum and reduce transistor heating, a turn-off snubber network is placed across the FET. Current from the secondary windings are rectified and filtered to create the desired voltages. Small high current capacitors quickly return charging current to the source. Filter inductors remove high frequency noise.

5-5 TRANSISTOR & DIODE CIRCUIT

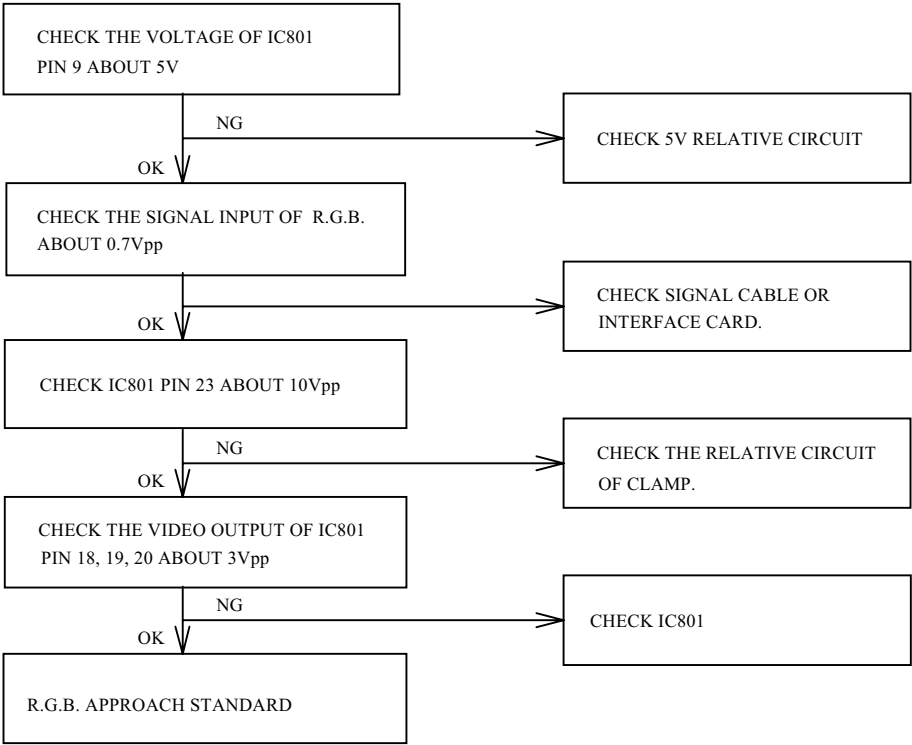
LOCATION	CIRCUIT FUNCTION DESCRIPTION
D901 ~ D904	Bridge Rectifier for AC Source
D910	Clamp Diode for Snubber CKT
D919	Rectifier for Output Voltage
D922	Rectifier for Output Voltage
D923	Rectifier for Output Voltage
D925	Rectifier for Output Voltage
D929	B+ Feed Back Rectifier from F.B.T Pulse
D921	Rectifier for Output Voltage
Q907, Q908	Use for Off-Mode to Cut-off 6.3V Supply Voltage
Q909, Q910	Use for Standy-By or Suspend Mode to Cut-off 15V Supply Voltage
Q912, Q920	Push-Pull Topology to Drive Q911
Q401	Turn-on at Power ON/OFF and Change Mode to Protect Hor.Block
Q402	HOR. Driver Transistor
Q403	HOR. Output Transistor
Q407, Q408	As a Switcher for H-Size Correction CKT
Q410, Q426	H-Size Corection Mosfet
Q404, Q405	As Differential Amp. to Drive Q406
Q406	Darlington Transistor for H-Size Control
Q703	As a Switcher to Mute Screen when Abnormal Qccurring
Q704, Q705	Unit Brightness Control CKT
Q601	Develop Blanking Signal
Q921	Use for 5V regulator
Q918	Use for 12V regulator

6.TROUBLE SHOOTING CHART

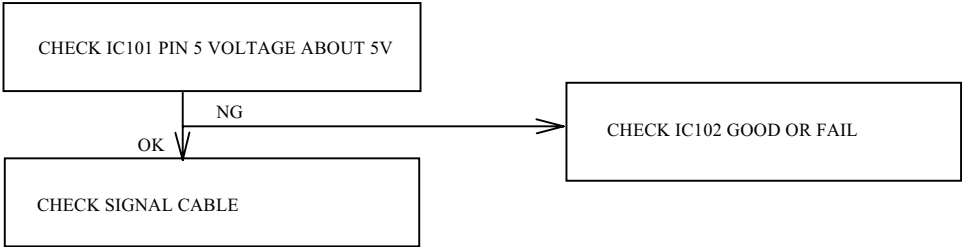
6-1 NO RASTER, CRT RELATIVE CIRCUIT PROBLEMS



2.ABNORMAL VIDEO LEVEL ON SCREEN

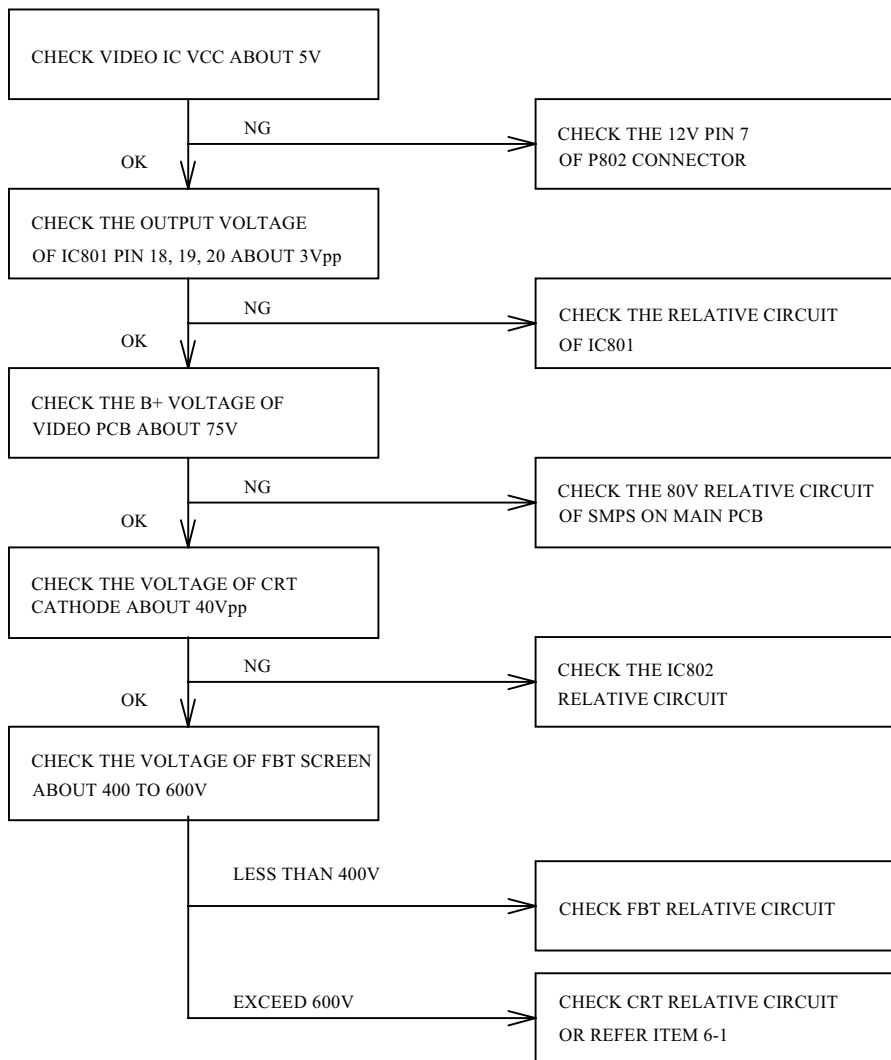


3. ABNORMAL DDC (PLUG & PLAY)

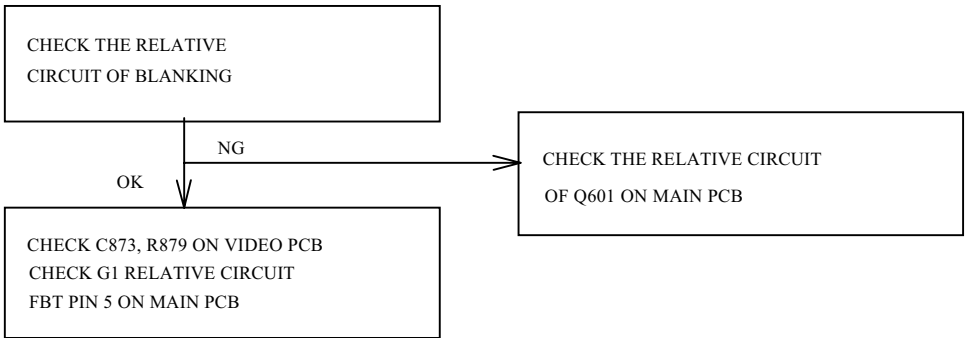


6-2 ABNORMAL DISPLAY

1.NO SIGNAL ON SCREEN

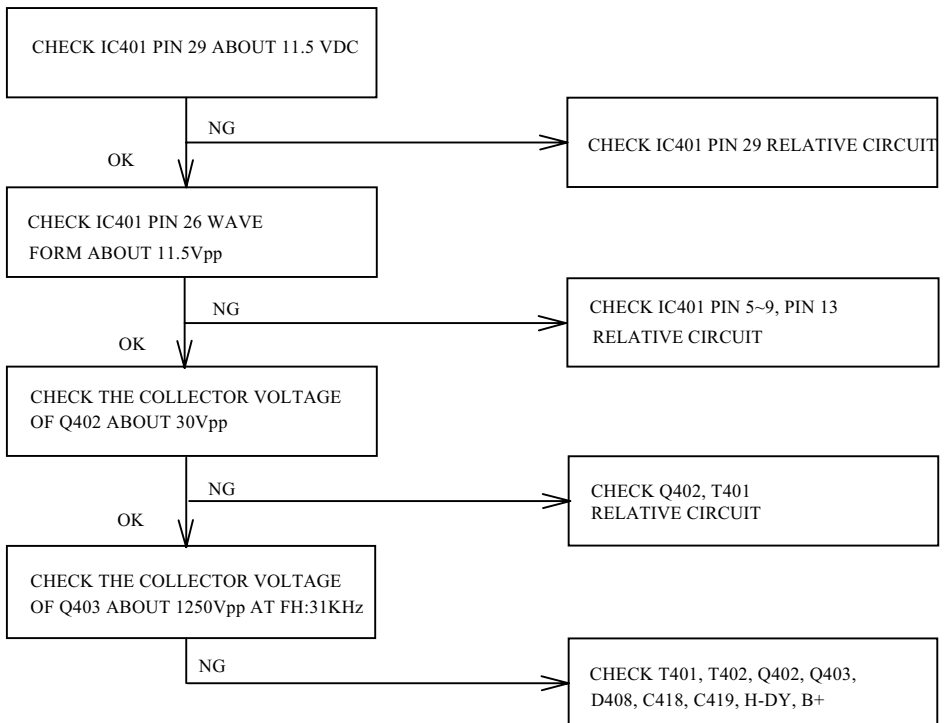


6-3 NO BLANKING



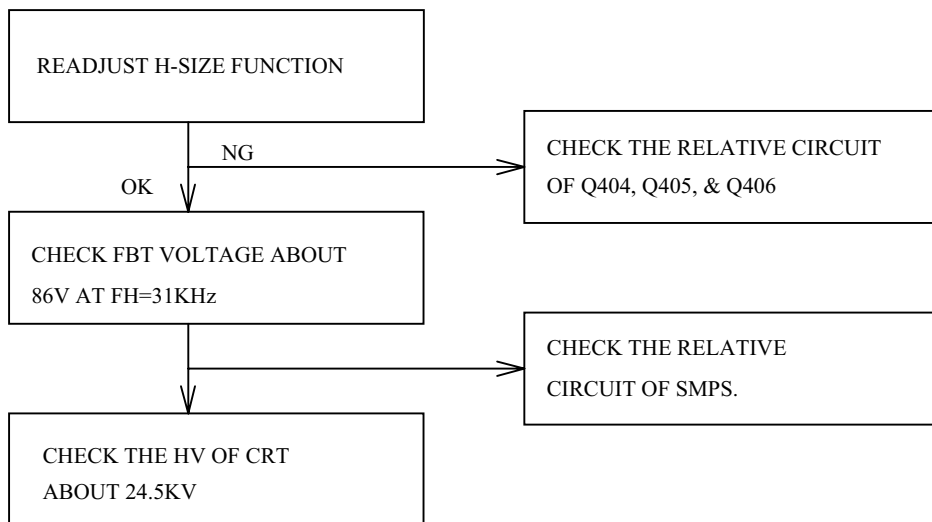
6-4 HOR./OSC/DEF/HV CIRCUIT FAULT

1. NO RASTER (DISCONNECT WITH SIGNAL CABLE)



6-5 ABNORMAL HORIZONTAL DEFLECTION

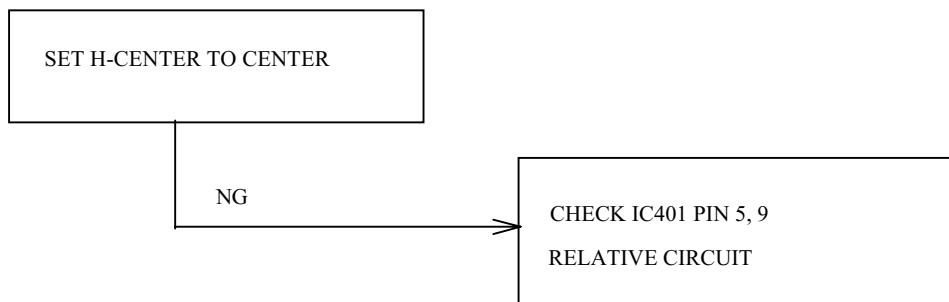
1. ABNORMAL HORIZONTAL SIZE



2. ABNORMAL HORIZONTAL RASTER CENTER

CHECK D418, D419, R457, R458, L404

3. ABNORMAL HORIZONTAL VIDEO CENTER

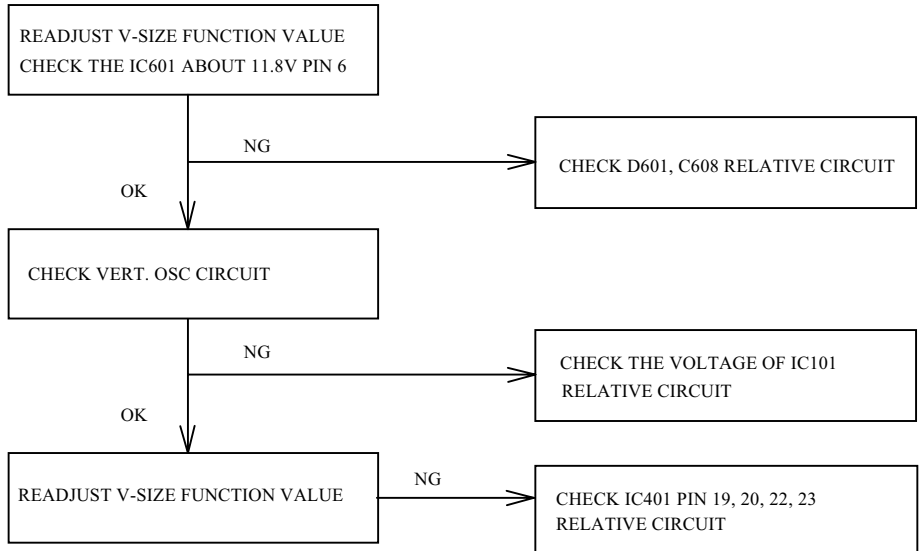


4. ABNORMAL HORIZONTAL LINEARITY

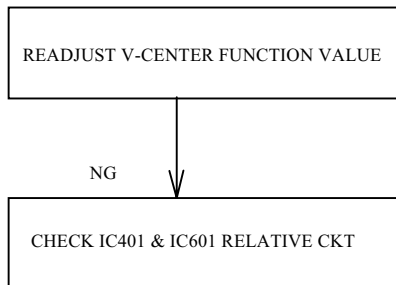
CHECK L401, Q407, Q408, Q410, Q426,
C426, C427 & DY IC101 PIN 28(CS0), PIN 29(CS1)

6-6 ABNORMAL VERTICAL SCANNING

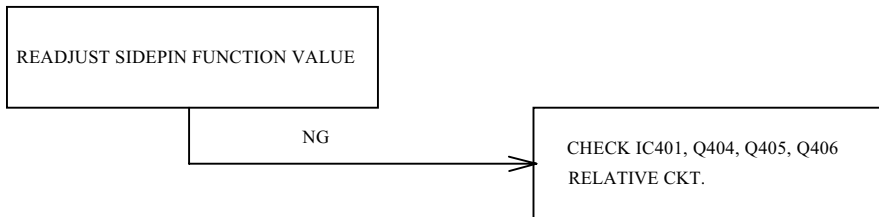
1. ABNORMAL VERTICAL SIZE



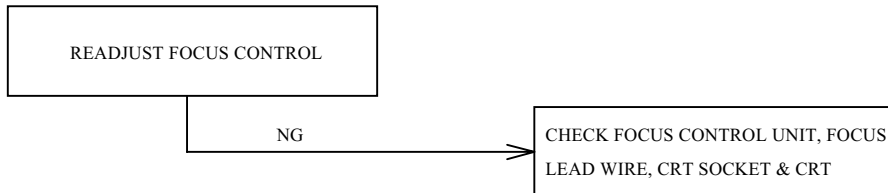
2. VERTICAL CENTER



6-7 SIDE-PIN CUSHION DISTORTION



6-8 POOR FOCUS

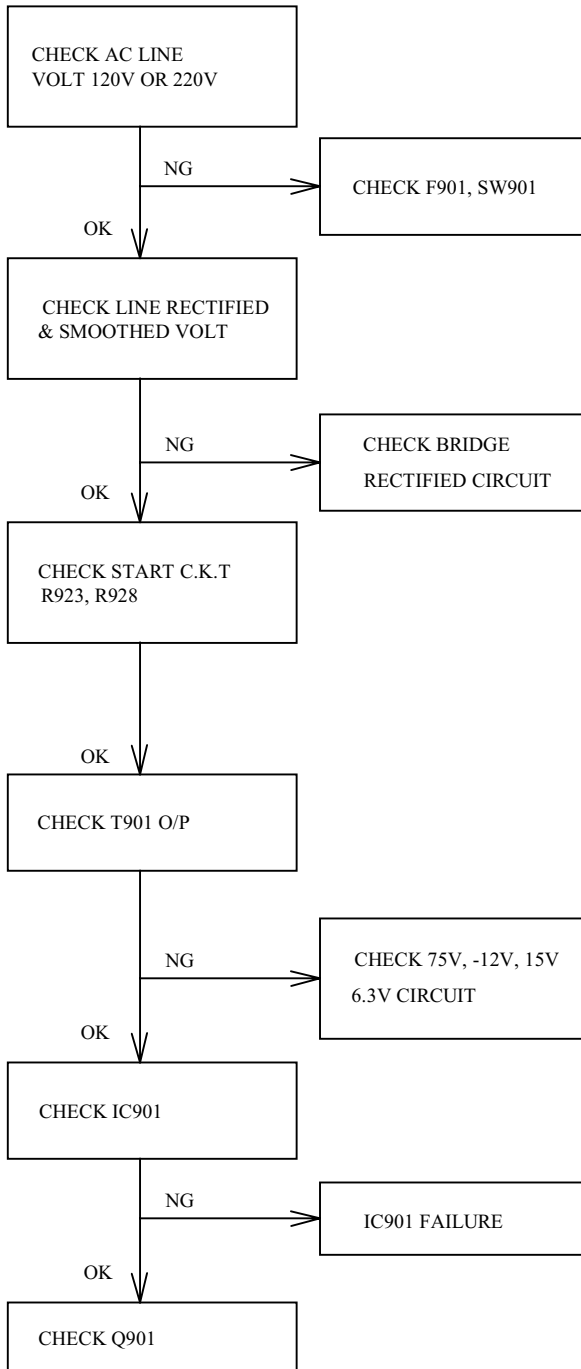


6-9 POWER SUPPLY TROUBLE SHOOTING CHART

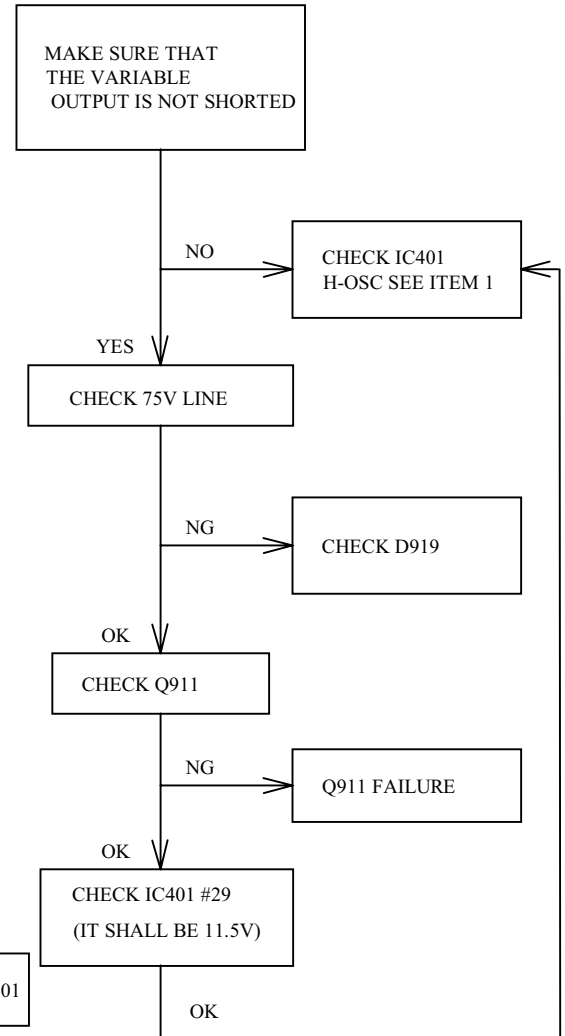
BEFORE CHECK SW.REG. PLEASE REFER TO THE POWER SUPPLY BLOCK DIAGRAM

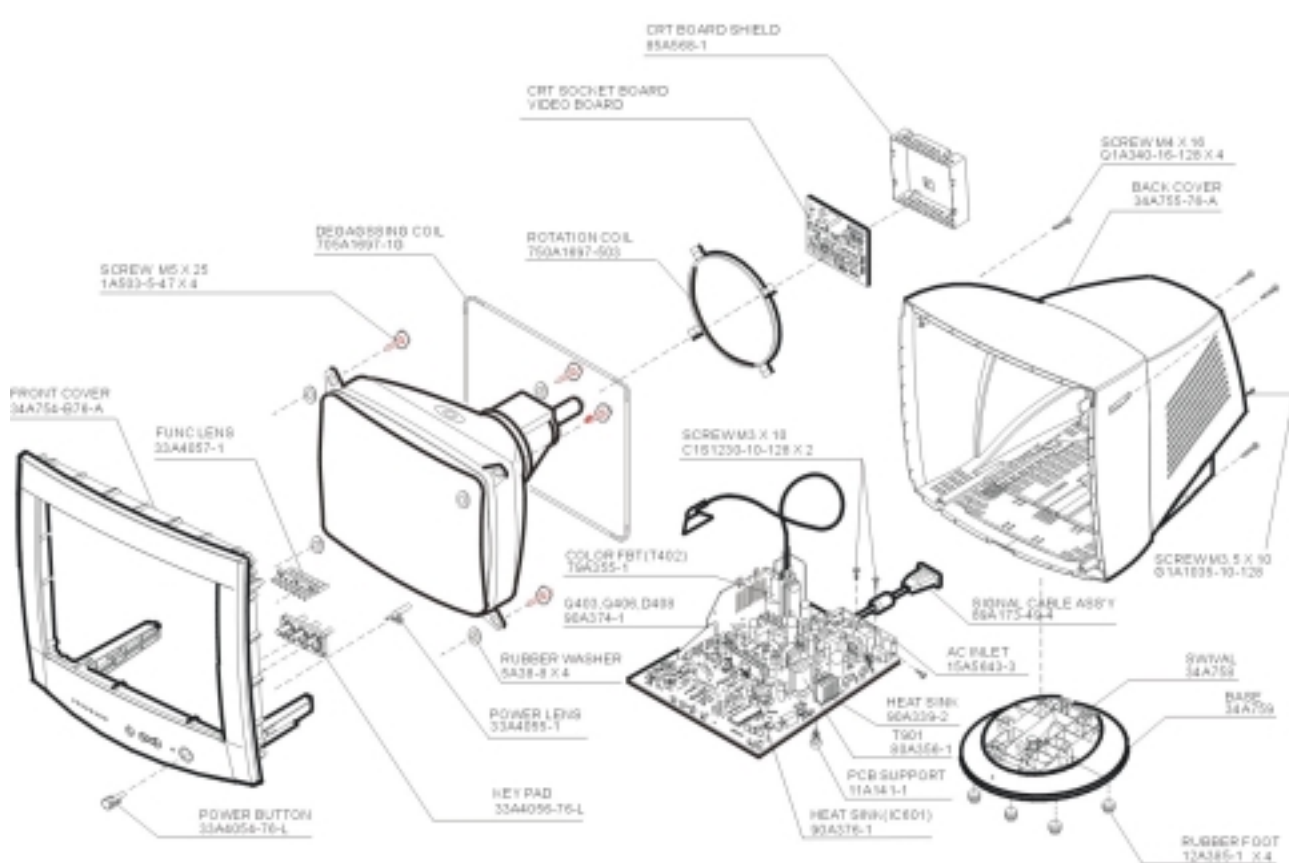
POWER SUPPLY OUTPUT: (A) VARIABLE OUTPUT : 86V - 160V
(DEPENDING EPENDING UPON H.SYNC FREQUENCY)
(B) CONSTANT OUTPUT : 6.3V, 15V, -12V, 75V

BEAD SET



ABNORMAL VARIABLE OUTPUT





PARTS LIST OF CABINET

LOCATION	D8897A (LOW RADIATION 110V) CMD551VNHP				SPECIFICATION
					CHAS ASS'Y
	1A	503-	501 -	47	SCREW
	5A	38-	8		RUBBER WASHER
	19A	403-	5		BUMPER STEEL SPRING
	33A	4020-	Y -	A	S.W. CAP
	33A	4056-	76 -	L	KEY PAD
	33A	4057-	1		FUNC LENS
	34A	754-	B76 -	A	BEZEL
	40A	153-	501 -	1A	CRT WARNING LABEL
	40A	154-	501 -	1	HI-POT GND LABEL
	40A	581-	26 -	704	LABEL
	40A	581-	625 -	2A	PALLET LABEL
	40A	581-	690 -	1A	CARTON LABEL
	40A	2050-	690 -	1A	ID LABEL
	41A	68-	508 -	A	CARD
	41A	68-	615 -	55A	SCHEMATIC
	41A	68-	623 -	1A	CARD
	41A	68-	690 -	2A	PACK LIST CARD
	41A	68-	690 -	10A	WARRANTY CARD
	41A	68-	690 -	11A	WARRANTY BOOKLET
	41A	68-	690 -	28A	DOC FLYER
	41A	553-	690 -	3A	MANUAL
	44A	6526-	690 -	3A	CARTON
	44A	6549-	1		EPS CUSHION
	44A	6549-	2		EPS CUSHION
	45A	76-	28 -	HP	HP MANUAL PE BAG
	45A	77-	3		TRANSPARENT SHEET
	45A	77-	500		BARCODE RIBBON
	45A	77-	501		BARCODE RIBBON
	45A	88-	7 -	HP	PE BAG
	45A	88-	531		PE BAG
	71A	303-	9 -	C	DISKETTES ECOLOGY
	85A	568-	1		SHIELD
	89A	414E-	15N -	YH	POWER CORD UL/CSA
	95A	91-	205 -	653	WIRE
	95A	8013-	2		WIRE
	B1A	1035-	10 -	128	SCREW
	Q1A	340-	16 -	128	SCREW
	705A	551V-	F34 -	01	CAB'T ASS'Y
	750A	1697-	503 -	NA	ROTATION COIL
	750A	1697-	1G		DEG. COIL UL/CSA
	750A	5910-	7PS		15" CPT M36AES83X01 CRT
	750A	5990-	1AV		CDT 15" 48K MPRII CRT

PARTS LIST OF CHAS

LOCATION

D8897A

AMD551VHP

CRD551VHP

SPECIFICATION

MAIN PC BOARD ASS'Y

CRT BOARD ASS'Y



	1A	421-	4 -	128	SCREW
	11A	141-	1		PCB SUPPORT
	15A	5640-	1 -	A	AL GND LUG
	15A	5643-	501		REAR BRACKET
	33A	3662-	1		LED HOLDER
	40A	581-	26 -	702	FAIL-SAFE LABEL
	40A	581-	624 -	2A	CHASSIS LABEL
	50A	500-	1		CABLE TIE
	71A	100-	7 -	H	FERRITE CORE
	84A	33-	10		FUSE CLIP
	89A	173E-	5DH -	BL	SIGNAL CABLE
	95A	3253-	2 -	502	CANCEL COIL
	D1A	1140-	7 -	128	SCREW
	M1A	1140-	6 -	128	SCREW
	Q1A	1135-	10 -	128	SCREW
	705A	550S-	C56 -	01	IC601 ASS'Y
	705A	551V-	C56 -	02	IC101 CPU ASS'Y
	705A	551V-	C57 -	01	Q403/Q406/D408 ASS'Y
	705A	551V-	C57 -	02	Q911 ASS'Y
	705A	551V-	C57 -	03	Q901 ASS'Y
	705A	551V-	C87 -	01	AC LINET INALWAYS
	750A	5910-	551 -	7PS	15" CPT MPRII ASS'Y
	750A	5990-	551 -	1AV	CRT ASS'Y
(LED1)	81A	10-	2 -	SA	POWER LED
(SW101)	77A	602-	1 -	CJ	TSVB-2 TACT SWITCH
(SW102)	77A	602-	1 -	CJ	TSVB-2 TACT SWITCH
(SW103)	77A	602-	1 -	CJ	TSVB-2 TACT SWITCH
C-C	95A	202-	59 -	032	WIRE
C422	64A	100J-	225 -	59	2.2UF 100V
C426	63A	210J-	104 -	2CC	0.1uF +-5% 250V
C431	63A	210J-	104 -	2BC	0.1uF 250V
C432	67A	215-	470 -	11J	47uF 200V
C608	67A	309-	102 -	3	1000Uf+-20% 16V
C709	65A	1K-	121 -	6A	120PF 1KV
C713	67A	309-	220 -	10	22uF +-20% 160V
C714	67A	305-	331 -	3	330uF +-20% 16V
C900	65A	305M-	472 -	2B2	4700PF +-20% 250VAC/400VAC
C901	63A	107-	334 -	10S	0.33uF 250V
C902	63A	107-	334 -	5	0.33uF +-20% 250V
C907	67A	30-	151 -	14D	150uF 400V
C915	65A	2M-	103 -	3B	0.01Uf+-20% 2KV Z5U
C929	67A	305-	101 -	10J	100uF +-20% 160V
C931	67A	305-	101 -	11J	100uF +-20% 200V
C934	67A	305-	102 -	4	1000uF +-20% 25V
C936	67A	305-	102 -	4	1000uF +-20% 25V
C939	67A	305-	102 -	3	1000uF +-20% 16V
C951	67A	215-	470 -	11J	47uF 200V JAMICON
C963	65A	305M-	472 -	2B2	4700PF +-20% 400VAC
C964	65A	305M-	472 -	2B2	4700PF +-20% 400VAC
C970	67A	309-	222 -	3T	2200uF +-20% 16V
CN902	33A	3074-	1		2P PLUG
CN903	33A	3278-	2		2P PLUG
D901	93A	52-	55W -	52T	DIODE IN5408
D902	93A	52-	55W -	52T	DIODE IN5408
D903	93A	52-	55W -	52T	DIODE IN5408
D904	93A	52-	55W -	52T	DIODE IN5408
D919	93A	60-	73F		DIODE 31 DF4-FC
D922	93A	3020-	6C -	52T	FAST RECOCERT DIODE
D923	93A	3020-	8		RG-4Z-LF-L1
F901	84A	7H-	315 -	SL	FUSE 250V 3.15A





LOCATION	D8897A				SPECIFICATION
D925	93A	3020-	6C -	52T	FAST RECOVERY DIODE
H802	95A	8013-	12 -	500	HARNESS
H803	95A	8013-	6 -	1	WIRE ASS'Y
HS1	95A	205T-	30 -	04A	WIRE
IC102	56A	1133-	12		ST24W04
IC104	56A	74LS-	14 -	H	HD74LS14P
IC401	56A	573-	510		TDA9115
IC901	56A	379-	12		UC3842AM
L901	73A	174-	2 -	LA	25MH LINE FILTER
L404	73A	253-	70 -	S	1.5MH +-10% 0.4A
L405	73A	253-	68 -	S	CHOKE COIL
L902	73A	174-	17 -	G	LINE FILTER
L903	73A	259-	4		200UH +-5%
L906	73A	253-	90 -	S	CHOKE COIL
LED2	81A	2-	3 -	2B	LED GREEN BL-B2441J
LED3	81A	2-	3 -	2B	LED GREEN BL-B2441J
LED4	81A	2-	3 -	2B	LED GREEN BL-B2441J
LED5	81A	2-	3 -	2B	LED GREEN BL-B2441J
LED6	81A	2-	3 -	2B	LED GREEN BL-B2441J
LED7	81A	2-	3 -	2B	LED GREEN BL-B2441J
LED8	81A	2-	3 -	2B	LED GREEN BL-B2441J
LED9	81A	2-	3 -	2B	LED GREEN BL-B2441J
NR901	61A	58-	8		NTCR 15 OHM
P402	33A	3192-	4		4 P PLUG
P403	33A	8009-	3		3 P PLUG
PR901	61A	52-	27 -	5W	PTCR 14 OHM
Q410	57A	600-	21		IRF630M
Q426	57A	600-	21		IRF630M
Q907	57A	728-	3		HSB772P/HSB772E
Q909	57A	728-	3		HSB772P/ HSB772E
R426	61A	153M-	470 -	59	47 OHM +-5% 3W
R428	61A	153M-	828 -	59	0.82 OHM +-5% 3W
R429	61A	208-	100 -	59	10 OHM 1W
R456	61A	153M-	271 -	59	270 OHM +-5% 3W
R457	61A	153M-	560 -	59	56 OHM +-5% 3W
R458	61A	153M-	560 -	59	56 OHM +-5% 3W
R608	61A	152M-	100 -	64	10 OHM +-5% 2W
R723	61A	152M-	101 -	64	100 OHM +-5% 2W
R907	61A	208-	681 -	64	680 OHM +-5% 1W
R921	61A	208-	100 -	64	10 OHM +-5% 1W
R927	61A	153M-	333 -	59	33K OHM +-5% 3W
R929	61A	20K-	338 -	GB1	0.33 OHM +-10% 2W
R954	61A	152M-	183 -	64	18K OHM +-5% 2W
R955	61A	303-	228 -	64	0.22 OHM +-5% 1W
R989	61A	152M-	471 -	64	470 OHM +-5% 2W
R991	61A	152M-	910 -	64	91 OHM +-5% 2W
SS1	95A	205T-	30 -	05A	WIRE
SW901	77A	411A-	2 -	S	PUSH SWITCH
RY901	77A	260-	5 -	3	RELAY
T401	79A	167-	71B -	H	DRIVER X'FMR
T402	79A	355-	4 -	AS	FBT
T901	80A	D551-	1 -	LA	X'FMR
TP701	9A	211-	2		PIN
TP902	9A	211-	2		PIN
VR701	75A	334-	223		22K OHM +-20%
VR702	75A	335M-	204		200K OHM VR
VR901	75A	335-	101		100 OHM +-20%
VR902	75A	335-	203		20K OHM +-20%
[GND]	9A	203-	8		BRASS PIN



PARTS LIST OF MAIN PC BOARD

LOCATION	D8897A				SPECIFICATION
	6A	31-	4		BRASS
	715A	822-	D		MAIN BOARD
C103	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C104	67A	309-	101 -	4T	100uF +-20% 25V
C105	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C106	67A	309-	100 -	7T	10uF +-20% 50V
C110	67A	309-	109 -	7T	1.0uF +-20% 50V
C130	65A	442-	470 -	13T	47PF +-5% 50V NPO
C133	67A	309-	109 -	7T	1.0uF +-20% 50V
C146	67A	305-	100 -	7T	10uF +-20% 50V
C160	65A	444-	101 -	5T	100 PF 10% 50V Y5P
C161	65A	442-	471 -	9T	470 PF 50V
C162	65A	444-	102 -	13T	1000 PF 10% 50V Y5P
C163	65A	444-	101 -	5T	100 PF 10% 50V Y5P
C164	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C403	64A	44J-	223 -	1AT	22NF 100V
C405	67A	309-	471 -	3FT	470uF +-20% 16V
C406	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C407	65A	444-	101 -	5T	100 PF 10% 50V Y5P
C408	65A	444-	101 -	5T	100 PF 10% 50V Y5P
C409	65A	442-	101 -	13T	100 PF 50V +-5% NPO
C410	65A	442-	101 -	13T	100 PF 50V +-5% NPO
C411	65A	442-	101 -	13T	100 PF 50V +-5% NPO
C412	65A	444-	331 -	5T	330PF +-10% 50V
C413	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C414	64A	176J-	474 -	1T	0.47UF +-5% 100V
C415	64A	44J-	222 -	1AT	2200PF 100V
C417	64A	700J-	104 -	0AT	0.1uF +-5% 50V
C420	65A	442-	101 -	13T	100 PF 50V +-5% NPO
C421	65A	1K-	152 -	1T	1.5NF 1KV +-10%
C423	65A	444-	332 -	5T	3300 PF 10% 50V Y5P
C429	65A	444-	332 -	5T	3300 PF 10% 50V Y5P
C433	67A	309-	109 -	7T	1uF +-20% 50V
C434	67A	309-	220 -	7T	22uF +-20% 50V
C435	64A	44J-	103 -	1AT	0.01UF 100V +-5%
C436	67A	309-	101 -	4T	100uF +-20% 25V
C437	67A	309-	100 -	7T	10uF +-20% 50V
C438	67A	309-	109 -	7T	1.0uF +-20% 50V
C439	67A	309-	109 -	7T	1.0uF +-20% 50V
C441	67A	305-	100 -	7T	10UF +-20% 50V
C443	67A	309-	470 -	3T	47uF +-20% 16V
C444	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C446	65A	444-	101 -	5T	100PF 10% Y5P 50V
C447	64A	45G-	102 -	1AT	0.001uF 100V +-2%
C449	64A	44J-	473 -	1AT	0.047uF 100V
C460	65A	450-	333 -	7T	0.033uF +-5% 50V
C463	64A	44J-	103 -	1AT	0.01uF +-5% 100V
C464	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C466	64A	44J-	822 -	1AT	8200PF 100V
C467	64A	44J-	103 -	1AT	0.01UF 100V +-5%
C476	65A	450-	104 -	7T	0.1uF +80-20% Y5V 50V
C486	65A	442-	220 -	13T	22PF +-5% NPO 50V
C601	64A	700J-	104 -	0AT	0.1uF +-5% 50V
C602	65A	444-	331 -	5T	330PF 10% Y5P 50V
C603	67A	309-	471 -	3FT	470UF +-20% 16V
C604	64A	701J-	224 -	0AT	0.22uF +-5% 50V
C605	67A	305-	101 -	7FT	100UF +-20% 50V
C607	65A	444-	681 -	5T	680PF 10% Y5P 50V
C609	65A	700J-	104 -	0AT	0.1uF +-5% 50V
C610	64A	701J-	474 -	0AT	0.47Uf +-5% 50V
C611	64A	176J-	104 -	0T	0.1UF +-5% 63V

LOCATION

D8897A

SPECIFICATION

C613	64A	701J-	154 -	0AT	0.15uF +-5% 50V
C614	65A	444-	101 -	5T	100PF 10% Y5P 50V
C615	64A	44J-	103 -	1AT	0.01uF +-5% 100V
C617	65A	700J-	823 -	0AT	0.082uF +-5% 50V
C621	65A	700J-	104 -	0AT	0.1uF +-5% 50V
C705	67A	309-	220 -	7T	22uF +-20% 50V
C707	63A	212J-	223 -	2AT	22NF +-5% 250V
C710	63A	212J-	224 -	2AT	220NF +-5% 250V
C712	67A	60-	229 -	7T	2.2uF +-20% 50V
C770	95A	90-	23		TIN COATED
C908	65A	450-	104 -	7T	0.1uF +80-20% 50V
C916	67A	305-	101 -	4T	100uF +-20% 25V
C918	64A	44J-	332 -	1AT	3300pF 100V
C920	64A	44J-	102 -	1AT	1000PF 100V
C921	64A	178J-	104 -	1T	0.1uF +-5% 100V
C922	64A	178J-	104 -	1T	0.1uF +-5% 100V
C923	65A	1K-	331 -	5T	330PF +-10% 1KV
C924	64A	44J-	222 -	1AT	2200PF 100V
C925	67A	309-	100 -	7T	10uF +-20% 50V
C937	67A	305-	471 -	3FT	470UF +-20% 16V
C938	67A	305-	471 -	3FT	470UF +-20% 16V
C941	64A	700J-	104 -	0AT	0.1uF +-5% 50V
C943	64A	44J-	152 -	1AT	1500PF 100V
C944	67A	309-	101 -	3T	100uF +-20% 16V
C945	64A	700J-	104 -	0AT	0.1uF +-5% 50V
C946	63A	212J-	104 -	2AT	0.1uF +-5% 250V
C947	67A	309-	479 -	7T	4.7uF +-20% 50V
C950	65A	1K-	221 -	2T	220PF +-10% 1KV
C955	65A	1K-	221 -	5T	220PF +-10% 1KV
C960	67A	309-	229 -	7T	2.2uF +-20% 50V
C961	64A	44J-	103 -	1AT	0.01uF +-5% 100V
C965	64A	44J-	103 -	1AT	0.01uF +-5% 100V
C966	67A	309-	470 -	7T	47uF +-20% 50V
C995	64A	44J-	472 -	1AT	4700pF 100V
D101	93A	64-	11 -	52T	DIODE IN4148
D102	93A	64-	11 -	52T	DIODE IN4148
D103	93A	64-	11 -	52T	DIODE IN4148
D104	93A	64-	11 -	52T	DIODE IN4148
D105	93A	1002-	1P -	52T	1N5817
D106	93A	64-	11 -	52T	DIODE IN4148
D107	93A	64-	11 -	52T	DIODE IN4148
D130	93A	1002-	1P -	52T	1N5817
D132	93A	64-	11 -	52T	DIODE IN4148
D134	93A	64-	11 -	52T	DIODE IN4148
D400	93A	1002-	1F -	52T	1N5817
D402	93A	64-	11 -	52T	DIODE IN4148
D404	93A	64-	11 -	52T	DIODE IN4148
D405	93A	1002-	1P -	52T	1N5817
D406	93A	60-	21T -	52T	RECTIFIER DIODE FR107
D407	93A	60-	26T -	52T	FR107
D411	93A	64-	19G -	52T	BAV21
D412	93A	64-	11 -	52T	DIODE IN4148
D414	93A	60-	38P -	52T	PS102R
D415	93A	60-	26T -	52T	RECTIFIER DIODE FR107
D418	93A	60-	21P -	52T	PS156R
D419	93A	60-	21P -	52T	PS156R
D423	93A	60-	21P -	52T	PS156R
D440	93A	64-	11 -	52T	DIODE IN4148
D450	93A	64-	11 -	52T	DIODE IN4148
D460	93A	64-	11 -	52T	DIODE IN4148
D463	93A	60-	26T -	52T	DIODE FR107
D601	93A	52-	47P -	52T	IN4004
D602	93A	64-	11 -	52T	DIODE IN4148
D603	93A	64-	11 -	52T	DIODE IN4148



LOCATION

D8897A

SPECIFICATION

D605	93A	64-	11 -	52T	DIODE IN4148
D701	93A	64-	11 -	52T	DIODE IN4148
D704	93A	52-	47P -	52T	IN4004
D706	93A	60-	44T -	52T	FR157S
D710	95A	90-	23		TIN COATED
D735	93A	64-	11 -	52T	DIODE IN4148
D910	93A	60-	21P -	52T	PS156R
D911	93A	1060-	6P -	52T	ER106
D912	95A	90-	23		TIN COATED
D913	93A	64-	11 -	52T	DIODE IN4148
D914	93A	64-	11 -	52T	DIODE IN4148
D917	93A	1060-	6P -	52T	ER106
D921	93A	1040-	501 -	52T	GUF10G
D926	93A	64-	11 -	52T	DIODE IN4148
D928	93A	64-	11 -	52T	DIODE IN4148
D929	93A	52-	47P -	52T	DIODE IN4004
D939	93A	64-	11 -	52T	DIODE IN4148
D941	93A	52-	47T -	52T	IN4004
D960	95A	90-	23		TIN COATED
D984	93A	64-	11 -	52T	DIODE IN4148
D991	93A	64-	11 -	52T	DIODE IN4148
D995	93A	64-	11 -	52T	DIODE IN4148
FB401	95A	90-	23		TIN COATED
FB402	71A	55-	9 -	T	SHIELD BEAD
FB403	71A	55-	9 -	T	SHIELD BEAD
FB405	95A	90-	23		TIN COATED
FB406	95A	90-	23		TIN COATED
FB410	71A	55-	9 -	T	SHIELD BEAD
FB903	71A	55-	9 -	T	SHIELD BEAD
FB904	95A	90-	23		TIN COATED
FB905	95A	90-	23		TIN COATED
FB906	71A	55-	19 -	T	BEAD
FB907	71A	55-	9 -	T	SHIELD BEAD
J003	95A	90-	23		TIN COATED
J004	95A	90-	23		TIN COATED
J005	95A	90-	23		TIN COATED
J006	95A	90-	23		TIN COATED
J008	95A	90-	23		TIN COATED
J009	95A	90-	23		TIN COATED
J010	95A	90-	23		TIN COATED
J011	95A	90-	23		TIN COATED
J012	95A	90-	23		TIN COATED
J013	95A	90-	23		TIN COATED
J014	95A	90-	23		TIN COATED
J015	95A	90-	23		TIN COATED
J016	95A	90-	23		TIN COATED
J017	95A	90-	23		TIN COATED
J018	95A	90-	23		TIN COATED
J019	95A	90-	23		TIN COATED
J020	95A	90-	23		TIN COATED
J021	95A	90-	23		TIN COATED
J022	95A	90-	23		TIN COATED
J023	95A	90-	23		TIN COATED
J024	95A	90-	23		TIN COATED
J025	95A	90-	23		TIN COATED
J027	95A	90-	23		TIN COATED
J028	95A	90-	23		TIN COATED
J029	95A	90-	23		TIN COATED
J030	95A	90-	23		TIN COATED
J032	95A	90-	23		TIN COATED
J033	95A	90-	23		TIN COATED
J034	95A	90-	23		TIN COATED
J035	95A	90-	23		TIN COATED
J036	95A	90-	23		TIN COATED



LOCATION	D8897A			SPECIFICATION
J037	95A	90-	23	TIN COATED
J038	95A	90-	23	TIN COATED
J039	95A	90-	23	TIN COATED
J040	95A	90-	23	TIN COATED
J041	95A	90-	23	TIN COATED
J042	95A	90-	23	TIN COATED
J043	95A	90-	23	TIN COATED
J044	95A	90-	23	TIN COATED
J045	95A	90-	23	TIN COATED
J046	95A	90-	23	TIN COATED
J047	95A	90-	23	TIN COATED
J048	95A	90-	23	TIN COATED
J049	95A	90-	23	TIN COATED
J050	95A	90-	23	TIN COATED
J051	95A	90-	23	TIN COATED
J052	95A	90-	23	TIN COATED
J053	95A	90-	23	TIN COATED
J054	95A	90-	23	TIN COATED
J055	95A	90-	23	TIN COATED
J056	95A	90-	23	TIN COATED
J057	95A	90-	23	TIN COATED
J058	95A	90-	23	TIN COATED
J059	95A	90-	23	TIN COATED
J060	95A	90-	23	TIN COATED
J061	95A	90-	23	TIN COATED
J062	95A	90-	23	TIN COATED
J063	95A	90-	23	TIN COATED
J064	95A	90-	23	TIN COATED
J065	95A	90-	23	TIN COATED
J066	95A	90-	23	TIN COATED
J067	95A	90-	23	TIN COATED
J068	95A	90-	23	TIN COATED
J069	95A	90-	23	TIN COATED
J070	95A	90-	23	TIN COATED
J071	95A	90-	23	TIN COATED
J072	95A	90-	23	TIN COATED
J073	95A	90-	23	TIN COATED
J074	95A	90-	23	TIN COATED
J075	95A	90-	23	TIN COATED
J076	95A	90-	23	TIN COATED
J077	95A	90-	23	TIN COATED
J078	95A	90-	23	TIN COATED
J079	95A	90-	23	TIN COATED
J080	95A	90-	23	TIN COATED
J081	95A	90-	23	TIN COATED
J083	95A	90-	23	TIN COATED
J084	95A	90-	23	TIN COATED
J085	95A	90-	23	TIN COATED
J086	95A	90-	23	TIN COATED
J087	95A	90-	23	TIN COATED
J088	95A	90-	23	TIN COATED
J089	95A	90-	23	TIN COATED
J090	95A	90-	23	TIN COATED
J091	95A	90-	23	TIN COATED
J092	95A	90-	23	TIN COATED
J093	95A	90-	23	TIN COATED
J094	95A	90-	23	TIN COATED
J095	95A	90-	23	TIN COATED
J096	95A	90-	23	TIN COATED
J097	95A	90-	23	TIN COATED
J098	95A	90-	23	TIN COATED
J099	95A	90-	23	TIN COATED
J100	95A	90-	23	TIN COATED
J101	95A	90-	23	TIN COATED

LOCATION	D8897A					SPECIFICATION
J102	95A	90-	23			TIN COATED
J103	95A	90-	23			TIN COATED
J104	95A	90-	23			TIN COATED
J105	95A	90-	23			TIN COATED
J107	95A	90-	23			TIN COATED
J108	95A	90-	23			TIN COATED
J110	95A	90-	23			TIN COATED
J111	95A	90-	23			TIN COATED
L101	73A	53-	339 -	10T		3.3UH +-10%
L406	95A	90-	23			TIN COATED
L905	95A	90-	23			TIN COATED
Q130	57A	721-	1 -	T		DTC114ES
Q401	57A	419-	P -	T		2SC945P/NEC
Q402	57A	706-	2 -	T		2N7000
Q404	57A	420-	P -	T		2SA733P
Q405	57A	420-	P -	T		2SA733P
Q407	57A	419-	P -	T		2SC945P/NEC
Q408	57A	419-	P -	T		2SC945P/NEC
Q601	57A	419-	Y -	T		TR. 2SC1815Y TOSHIBA
Q703	57A	419-	P -	T		2SC945P/NEC
Q704	57A	420-	P -	T		2SA733P
Q705	57A	498-	1 -	T		BF423
Q735	57A	498-	1 -	T		BF423
Q902	57A	446-	1 -	T		2SC1213AC
Q903	57A	419-	P -	T		2SC945P/NEC
Q905	57A	420-	P -	T		2SA733P
Q908	57A	419-	P -	T		2SC945P/NEC
Q910	57A	419-	P -	T		2SC945P/NEC
Q912	57A	446-	1 -	T		2SC1213AC
Q913	57A	419-	P -	T		2SC945P/NEC
Q918	57A	446-	1 -	T		TR. 2SC1213AC
Q920	57A	727-	2 -	T		2SA673C
Q921	57A	446-	1 -	T		TR. 2SC1213AC
R068	95A	90-	23			TIN COATED
R100	61A	602-	472 -	52T		4.7K OHM +-5% 1/6W
R103	61A	602-	681 -	52T		680 OHM +-5% 1/6W
R104	61A	602-	681 -	52T		680 OHM +-5% 1/6W
R105	61A	602-	681 -	52T		680 OHM +-5% 1/6W
R106	61A	602-	303 -	52T		30K OHM +-5% 1/6W
R107	61A	602-	681 -	52T		680 OHM +-5% 1/6W
R108	61A	602-	512 -	52T		5.1K OHM +-5% 1/6W
R109	61A	602-	512 -	52T		5.1K OHM +-5% 1/6W
R110	61A	172-	221 -	52T		220 OHM +-5% 1/4W
R111	61A	172-	221 -	52T		220 OHM +-5% 1/4W
R112	61A	602-	622 -	52T		6.2K OHM +-5% 1/6W
R117	61A	602-	101 -	52T		100 OHM +-5% 1/6W
R118	61A	602-	103 -	52T		10K OHM +-5% 1/6W
R119	61A	602-	103 -	52T		10K OHM +-5% 1/6W
R120	61A	602-	222 -	52T		2.2K OHM +-5% 1/6W
R121	61A	602-	681 -	52T		680 OHM +-5% 1/6W
R122	61A	172-	221 -	52T		220 OHM +-5% 1/4W
R123	61A	602-	681 -	52T		680 OHM +-5% 1/6W
R124	61A	602-	152 -	52T		1.5K OHM +-5% 1/6W
R125	61A	602-	681 -	52T		680 OHM +-5% 1/6W
R126	61A	172-	202 -	52T		2K OHM +-5% 1/4W
R130	61A	602-	472 -	52T		4.7K OHM +-5% 1/6W
R131	61A	172-	473 -	52T		47K OHM +-5% 1/4W
R132	61A	602-	101 -	52T		100 OHM +-5% 1/6W
R133	61A	172-	473 -	52T		47K OHM +-5% 1/4W
R135	61A	602-	152 -	52T		1.5K OHM +-5% 1/6W
R136	61A	602-	222 -	52T		2.2K OHM +-5% 1/6W
R141	61A	602-	222 -	52T		2.2K OHM +-5% 1/6W
R143	61A	602-	101 -	52T		100 OHM +-5% 1/6W
R181	61A	602-	472 -	52T		4.7K OHM +-5% 1/6W

LOCATION	D8897A				SPECIFICATION
R145	61A	602-	102 -	52T	1K OHM +-5% 1/6W
R152	61A	602-	472 -	52T	4.7K OHM +-5% 1/6W
R153	61A	602-	332 -	52T	3.3K OHM +-5% 1/6W
R155	61A	602-	681 -	52T	680 OHM +-5% 1/6W
R156	61A	602-	332 -	52T	3.3K OHM +-5% 1/6W
R157	61A	602-	332 -	52T	3.3K OHM +-5% 1/6W
R165	61A	602-	222 -	52T	2.2K OHM +-5% 1/6W
R172	61A	172-	101 -	52T	100 OHM +-5% 1/4W
R180	61A	602-	362 -	52T	3.6K OHM +-5% 1/6W
R186	61A	602-	202 -	52T	2K OHM +-5% 1/6W
R402	61A	172-	222 -	52T	2.2K OHM +-5% 1/4W
R403	61A	602-	101 -	52T	100 OHM +-5% 1/6W
R404	61A	602-	101 -	52T	100 OHM +-5% 1/6W
R405	61A	602-	101 -	52T	100 OHM +-5% 1/6W
R406	61A	602-	101 -	52T	100 OHM +-5% 1/6W
R407	95A	90-	23		TIN COATED
R408	61A	172-	474 -	52T	470K OHM +-5% 1/4W
R410	61A	210-	562 -	52T	5.6K OHM +-1% 1/6W
R411	61A	210-	472 -	52T	4.7K OHM +-1% 1/6W
R416	61A	210-	243 -	52T	24K OHM +-1% 1/6W
R417	61A	210-	472 -	52T	4.7K OHM +-1% 1/6W
R418	61A	210-	912 -	52T	9.1K OHM +-1% 1/6W
R420	61A	172-	472 -	52T	4.7K OHM +-5% 1/4W
R421	61A	172-	332 -	52T	3.3K OHM +-5% 1/4W
R422	61A	602-	101 -	52T	100 OHM +-5% 1/6W
R425	61A	172-	101 -	52T	100 OHM +-5% 1/4W
R427	61A	175L-	220 -	52T	22 OHM +-5% 1/2W
R430	61A	172-	913 -	52T	91K OHM +-5% 1/4W
R431	61A	172-	622 -	52T	6.2K OHM +-5% 1/4W
R433	61A	602-	102 -	52T	1K OHM +-5% 1/6W
R434	61A	602-	392 -	52T	3.9K OHM +-5% 1/6W
R436	61A	602-	102 -	52T	1K OHM +-5% 1/6W
R438	95A	90-	23		TIN COATED
R440	61A	200-	752 -	52T	7.5KOHM +-1% 1/4W
R441	61A	175L-	154 -	52T	150K OHM +-5% 1/2W
R442	61A	175L-	102 -	52T	1K OHM +-5% 1/2W
R443	61A	172-	473 -	52T	47K OHM +-5% 1/4W
R444	61A	200-	274 -	52T	270KOHM +-1% 1/4W
R445	61A	602-	203 -	52T	20K OHM +-5% 1/6W
R446	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R447	61A	172-	102 -	52T	1K OHM +-5% 1/4W
R448	61A	175L-	102 -	52T	1K OHM +-5% 1/2W
R449	61A	172-	472 -	52T	4.7K OHM +-5% 1/4W
R450	61A	602-	563 -	52T	56K OHM +-5% 1/6W
R460	61A	172-	472 -	52T	4.7K OHM +-5% 1/4W
R462	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R466	61A	172-	471 -	52T	470 OHM +-5% 1/4W
R471	61A	602-	563 -	52T	56K OHM +-5% 1/6W
R476	61A	172-	224 -	52T	220K OHM +-5% 1/4W
R479	61A	172-	224 -	52T	220K OHM +-5% 1/4W
R497	61A	602-	561 -	52T	560 OHM +-5% 1/6W
R601	61A	172-	243 -	52T	24K OHM +-5% 1/4W
R602	61A	172-	392 -	52T	3.9K OHM +-5% 1/4W
R603	61A	172-	123 -	52T	12K OHM +-5% 1/4W
R604	61A	172-	562 -	52T	5.6K OHM +-5% 1/4W
R605	61A	175L-	159 -	52T	1.5 OHM +-5% 1/2W
R606	61A	175L-	151 -	52T	150 OHM +-5% 1/2W
R610	61A	172-	124 -	52T	120K OHM +-5% 1/4W
R612	61A	172-	222 -	52T	2.2K OHM +-5% 1/4W
R613	61A	172-	102 -	52T	1K OHM +-5% 1/4W
R618	61A	602-	124 -	52T	120K OHM +-5% 1/6W
R619	61A	200-	243 -	52T	24KOHM +-1% 1/4W
R620	95A	90-	23		TIN COATED



LOCATION	D8897A				SPECIFICATION
R707	61A	602-	472 -	52T	4.7K OHM +-5% 1/6W
R708	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R709	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R710	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R711	61A	602-	133 -	52T	13K OHM +-5% 1/6W
R712	61A	602-	123 -	52T	12K OHM +-5% 1/6W
R713	61A	602-	562 -	52T	5.6K OHM +-5% 1/6W
R715	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R720	61A	175L-	104 -	52T	100K OHM +-5% 1/2W
R721	61A	175L-	102 -	52T	1K OHM +-5% 1/2W
R722	95A	90-	23		TIN COATED
R724	61A	212Y-	105 -	52T	1MEG OHM 1/2W
R725	95A	90-	23		TIN COATED
R726	61A	602-	332 -	52T	3.3K OHM +-5% 1/6W
R727	61A	175L-	682 -	52T	6.8K OHM +-5% 1/2W
R728	61A	172-	561 -	52T	560 OHM +-5% 1/4W
R730	95A	90-	23		TIN COATED
R734	61A	172-	683 -	52T	68K OHM +-5% 1/4W
R735	61A	172-	104 -	52T	100K OHM +-5% 1/4W
R737	95A	90-	23		TIN COATED
R750	61A	212Y-	274 -	52T	270K OHM 1/2W +-5%
R901	61A	175L-	474 -	52T	470K OHM +-5% 1/2W
R902	61A	602-	103 -	52T	10K OHM +-5% 1/6W
R905	61A	602-	622 -	52T	6.2K OHM +-5% 1/6W
R906	61A	172-	100 -	52T	10 OHM +-5% 1/4W
R908	61A	175L-	150 -	52T	15 OHM +-5% 1/2W
R909	61A	172-	101 -	52T	100 OHM +-5% 1/4W
R910	61A	602-	913 -	52T	91K OHM +-5% 1/6W
R914	61A	172-	102 -	52T	1K OHM +-5% 1/4W
R915	61A	172-	222 -	52T	2.2K OHM +-5% 1/4W
R923	95A	90-	23		TIN COATED
R925	61A	212Y-	154 -	52T	150K OHM 1/2W +-5%
R928	61A	212Y-	154 -	52T	150K OHM 1/2W +-5%
R930	61A	172-	152 -	52T	1.5K OHM +-5% 1/4W
R931	61A	200-	109 -	52T	1 OHM +-1% 1/4W
R923	95A	90-	23		TIN COATED
R935	61A	172-	334 -	52T	330K OHM +-5% 1/4W
R936	95A	90-	23		TIN COATED
R937	61A	172-	151 -	52T	150 OHM +-5% 1/4W
R938	61A	172-	220 -	52T	22 OHM +-5% 1/4W
R939	61A	172-	203 -	52T	20K OHM +-5% 1/4W
R940	61A	171-	393 -	52T	39K OHM +-2% 1/4W
R941	61A	172-	152 -	52T	1.5K OHM +-5% 1/4W
R942	61A	172-	680 -	52T	68 OHM +-5% 1/4W
R951	61A	172-	221 -	52T	220 OHM +-5% 1/4W
R952	61A	172-	473 -	52T	47K OHM +-5% 1/4W
R953	61A	172-	303 -	52T	30K OHM +-5% 1/4W
R957	61A	172-	473 -	52T	47K OHM +-5% 1/4W
R958	61A	172-	102 -	52T	1K OHM +-5% 1/4W
R959	61A	172-	333 -	52T	33K OHM +-5% 1/4W
R960	61A	172-	473 -	52T	47K OHM +-5% 1/4W
R961	95A	90-	23		TIN COATED
R962	61A	172-	220 -	52T	22 OHM +-5% 1/4W
R963	61A	175L-	201 -	52T	200 OHM +-5% 1/2W
R966	61A	172-	302 -	52T	3K OHM +-5% 1/4W
R967	61A	172-	273 -	52T	27K OHM +-5% 1/4W
R968	61A	172-	244 -	52T	240K OHM +-5% 1/4W
R969	61A	214Y-	823 -	52T	82K OHM 1/4W
R972	61A	172-	203 -	52T	20K OHM +-5% 1/4W
R979	61A	172-	151 -	52T	150 OHM +-5% 1/4W
R980	61A	172-	221 -	52T	220 OHM +-5% 1/4W
R981	61A	175L-	101 -	52T	100 OHM +-5% 1/2W
R982	61A	172-	103 -	52T	10K OHM +-5% 1/4W



LOCATION	D8897A				SPECIFICATION
R983	61A	172-	103 -	52T	10K OHM +-5% 1/4W
R984	61A	172-	204 -	52T	200K OHM +-5% 1/4W
R985	61A	172-	361 -	52T	360 OHM +-5% 1/4W
R986	61A	175L-	106 -	52T	10MEG OHM +-5% 1/2W
R988	61A	172-	223 -	52T	22K OHM +-5% 1/4W
R992	61A	602-	222 -	52T	2.2K OHM +-5% 1/6W
R994	61A	172-	103 -	52T	10K OHM +-5% 1/4W
R995	61A	171-	393 -	52T	39K OHM +-2% 1/4W
R996	61A	172-	103 -	52T	10K OHM +-5% 1/4W
R999	61A	172-	102 -	52T	1K OHM +-5% 1/4W
ZD110	93A	39-	79 -	52T	HZ6C2
ZD403	93A	39-	24 -	52T	HZ15-2
ZD404	95A	90-	23		TIN COATED
ZD406	93A	39-	504 -	52T	HZ3B2
ZD420	93A	39-	522 -	52T	TZX20B
ZD430	93A	39-	52 -	52T	HZ5C2
ZD903	93A	39-	124 -	52T	HZ18-2
ZD905	93A	39-	519 -	52T	TZX8V2B
ZD906	93A	39-	515 -	52T	TZX3V0C
ZD950	93A	39-	59 -	52T	HZ4C2
ZD983	95A	90-	23		TIN COATED
ZD990	93A	39-	113 -	52T	HZ20-2

PARTS LIST OF CRT PC BOARD



LOCATION	D8897A ARD551VHP				SPECIFICATION CRT BOARD
	87A	3503-	501		CRT SOCKET
	40A	581-	26 -	605	LABEL
	705A	561T-	R56 -	01	IC802 ASS'Y
C829	67A	305-	470 -	10	47uF +-20% 160V
C832	67A	305-	109 -	10T	1Uf +-20% 160V
C835	65A	2M-	103 -	3B	0.01UF +-20% 2KV
C870	67A	305-	330 -	10	33uF +-20% 160V
HV1	95A	205T-	30 -	042	WIRE
IC801	56A	539-	5		LM1269A
IC803	56A	539-	6		LM2480A
P801	33A	3278-	12A		PLUG
P802	33A	3278-	12		12 PIN
P803	33A	3278-	6		6P PLUG
R822	61A	208-	519 -	64	5.1 OHM +-5% 1W
R835	61A	152M-	109 -	64	1 OHM +-5% 2W
R879	61A	152M-	101 -	64	100 OHM +-5% 2W

PARTS LIST OF CRT AUTO INS. PC BOARD

LOCATION	D8897A				SPECIFICATION
	6A	31-	4		BRASS
	715A	833-	D		CRT PC BOARD
C801	67A	305-	109 -	7T	1uF +-20% 50V
C802	67A	305-	109 -	7T	1uF +-20% 50V
C803	67A	305-	109 -	7T	1uF +-20% 50V
C806	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C807	67A	305-	109 -	7T	1uF +-20% 50V
C808	65A	442-	560 -	13T	56PF +-5% 50V NPO
C809	67A	305-	109 -	7T	1uF +-20% 50V
C810	67A	305-	470 -	7T	47uF +-20% 50V
C811	65A	442-	101 -	13T	100PF +-5% 50V NPO
C812	65A	442-	101 -	13T	100PF +-5% 50V NPO
C815	95A	90-	23		TIN COATED
C816	65A	450-	472 -	7T	4700PF 50V
C821	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C822	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C823	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C824	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C827	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C828	64A	176J-	104 -	1T	0.1UF 100V +-5%
C831	64A	176J-	103 -	1T	0.01uF +-5% 100V
C834	64A	450-	103 -	3T	0.01uF +80-20% 50V
C836	65A	517K-	102 -	5T	1000PF 500V +-10%
C837	65A	517K-	102 -	5T	1000PF 500V +-10%
C838	65A	517K-	102 -	5T	1000PF 500V +-10%
C851	67A	305-	470 -	4T	47uF +-20% 25V
C852	65A	450-	104 -	7T	0.1uF +80% -20% Y5V 50V
C853	67A	70-	478 -	9T	0.47uF 100V NP
C854	67A	70-	478 -	9T	0.47uF 100V NP
C855	67A	70-	478 -	9T	0.47uF 100V NP
C856	64A	176J-	104 -	1T	0.1UF 100V +-5%
C857	64A	176J-	104 -	1T	0.1UF 100V +-5%
C858	64A	176J-	104 -	1T	0.1UF 100V +-5%
C860	65A	517K-	102 -	5T	1000PF 500V +-10%
C861	64A	450-	103 -	7T	10000PF +80-20% 50V
C862	65A	517K-	221 -	2T	220PF 500V +-10%
C867	65A	1K-	102 -	5T	1NF 1KV +-10%
C873	65A	1K-	221 -	5T	220PF 1KV +-10%
C887	65A	442-	101 -	13T	100PF +-5% 50V NPO
D801	93A	64-	11 -	26T	DIODE IN4148
D802	93A	64-	11 -	26T	DIODE IN4148
D803	93A	64-	11 -	26T	DIODE IN4148
D804	93A	64-	11 -	26T	DIODE IN4148
D805	93A	64-	11 -	26T	DIODE IN4148
D806	93A	64-	11 -	26T	DIODE IN4148
D810	95A	90-	23		TIN COATED
D817	93A	52-	9T -	52T	2A 600V 2A05
D820	93A	64-	11 -	52T	DIODE IN4148
D821	93A	64-	11 -	52T	DIODE IN4148
D822	93A	64-	11 -	52T	DIODE IN4148
D823	93A	64-	11 -	52T	DIODE IN4148
D850	93A	64-	31T -	52T	DIODE BAV20
D851	93A	64-	31T -	52T	DIODE BAV20
D852	93A	64-	31T -	52T	DIODE BAV20
D853	93A	64-	31T -	52T	DIODE BAV20
D854	93A	64-	31T -	52T	DIODE BAV20
D855	93A	64-	31T -	52T	DIODE BAV20
D856	93A	64-	31T -	52T	DIODE BAV20
D857	93A	64-	31T -	52T	DIODE BAV20
D858	93A	64-	31T -	52T	DIODE BAV20

LOCATION	D8897A				SPECIFICATION
FB803	95A	90-	23		TIN COATED
FB805	71A	55-	19 -	T	BEAD
FB807	71A	55-	19 -	T	BEAD
FB850	71A	55-	9 -	T	SHIELD BEAD
J801	95A	90-	23		TIN COATED
J802	95A	90-	23		TIN COATED
J803	95A	90-	23		TIN COATED
J804	95A	90-	23		TIN COATED
J805	95A	90-	23		TIN COATED
J806	95A	90-	23		TIN COATED
J809	95A	90-	23		TIN COATED
J810	95A	90-	23		TIN COATED
J811	95A	90-	23		TIN COATED
L801	73A	54-	478 -	10T	0.47UH +-10%
L802	73A	54-	478 -	10T	0.47UH +-10%
L803	73A	54-	478 -	10T	0.47UH +-10%
L804	71A	55-	19 -	T	BEAD
L805	73A	54-	129 -	10T	1.2UH +-10%
L806	73A	54-	688 -	10T	0.68UH +-10%
L807	73A	54-	478 -	5T	0.47UH +-5%
L808	71A	55-	19 -	T	BEAD
L850	73A	54-	478 -	10T	0.47UH +-10%
L851	73A	54-	478 -	10T	0.47UH +-10%
L852	73A	54-	688 -	10T	0.68UH +-10%
R801	61A	602-	750 -	26T	75 OHM +-5% 1/6W
R802	61A	602-	750 -	26T	75 OHM +-5% 1/6W
R803	61A	602-	750 -	26T	75 OHM +-5% 1/6W
R804	61A	602-	300 -	26T	30 OHM +-5% 1/6W
R805	61A	602-	300 -	26T	30 OHM +-5% 1/6W
R806	61A	602-	300 -	26T	30 OHM +-5% 1/6W
R810	95A	90-	23		TIN COATED
R813	61A	210-	103 -	52T	10K OHM +-1% 1/6W
R814	61A	602-	101 -	26T	100 OHM +-5% 1/6W
R815	61A	602-	101 -	26T	100 OHM +-5% 1/6W
R817	61A	602-	473 -	52T	47K OHM +-5% 1/6W
R818	61A	602-	472 -	52T	4.7K OHM +-5% 1/6W
R820	61A	602-	103 -	26T	10K OHM +-5% 1/6W
R821	61A	172-	273 -	26T	27K OHM +-5% 1/4W
R823	61A	602-	102 -	52T	1K OHM +-5% 1/6W
R824	61A	602-	102 -	52T	1K OHM +-5% 1/6W
R825	61A	602-	102 -	52T	1K OHM +-5% 1/6W
R827	61A	602-	202 -	26T	2K OHM +-5% 1/6W
R829	61A	602-	102 -	52T	1K OHM +-5% 1/6W
R830	61A	602-	392 -	52T	3.9K OHM +-5% 1/6W
R831	61A	602-	433 -	52T	43K OHM +-5% 1/6W
R854	61A	172-	111 -	26T	110 OHM +-5% 1/4W
R855	61A	172-	111 -	26T	110 OHM +-5% 1/4W
R856	61A	172-	111 -	26T	110 OHM +-5% 1/4W
R857	61A	172-	224 -	26T	220K OHM +-5% 1/4W
R858	61A	172-	224 -	26T	220K OHM +-5% 1/4W
R859	61A	172-	224 -	26T	220K OHM +-5% 1/4W
R860	61A	172-	102 -	52T	1K OHM +-5% 1/4W
R861	61A	172-	102 -	52T	1K OHM +-5% 1/4W
R862	61A	172-	102 -	52T	1K OHM +-5% 1/4W
R872	61A	175L-	560 -	52T	56 OHM +-5% 1/2W
R873	61A	175L-	560 -	52T	56 OHM +-5% 1/2W
R874	61A	175L-	560 -	52T	56 OHM +-5% 1/2W
R880	61A	175L-	104 -	52T	100K OHM +-5% 1/2W
ZD801	93A	39-	52 -	52T	HZ5C2

PARTS LIST OF IC802 ASS'Y

LOCATION	PARTS	No.	SPECIFICATION
IC802	90A	315- 500	HEAT SINK
	M1A	1730- 8 - 128	SCREW
	56A	551- 7	LM2468T

PARTS LIST OF IC601 ASS'Y

LOCATION	PARTS	No.	SPECIFICATION
IC601	5A	42- 501	WASHER
	32A	3028- 8	MICA
	90A	376- 1	HEAT SINK
	M1A	1730- 10 - 128	SCREW
	56A	574- 1	TDA9302H

PARTS LIST OF IC101 CPU ASS'Y

LOCATION	PARTS	No.	SPECIFICATION
IC101	56A	1125- 83	NT6861
Q101	57A	419- P - T	2SC945P
R113	61A	172- 472 - 52T	4.7K OHM +-5% 1/4W
R114	61A	172- 102 - 52T	1K OHM +-5% 1/4W
X101	93A	22- 22	8.0000 MHZ

PARTS LIST OF IC101 CPU ASS'Y

LOCATION	PARTS	No.	SPECIFICATION
IC101	56A	1125- 82	WT62P1
C108	65A	442- 220 - 13T	22PF +-5% NPO 50V
X101	93A	22- 43	12.0 MHZ

PARTS LIST OF Q403/Q406/D408 ASS'Y

LOCATION	PARTS	No.	SPECIFICATION
D408	5A	42- 501	NYLON WASHER
	32A	3028- 8	MICA
	90A	374- 1 - H	HEAT SINK
	M1A	1730- 8 - 128	SCREW
	M1A	1730- 10 - 128	SCREW
D408	93A	220- 11G	DMV32
Q403	57A	689- 7	TT2076
Q406	57A	415- 500	TIP122

PARTS LIST OF Q911 ASS'Y

LOCATION	PARTS	No.		SPECIFICATION
Q911	5A	42-	501	NYLON WASHER
	12A	372-	1	SILICONE RUBBER
	90A	231-	2	HEAT SINK
	M1A	1730-	8 - 128	SCREW
	57A	600-	13	MOS FET IRFS634A

PARTS LIST OF Q901 ASS'Y

LOCATION	PARTS	No.		SPECIFICATION
Q901	5A	42-	501	NYLON WASHER
	12A	372-	1	SILICONE RUBBER
	90A	339-	2 - A	HEAT SINK
	M1A	1730-	10 - 128	SCREW
	57A	667-	504	2SK2544

PARTS LIST OF AC LINET ASS'Y

LOCATION	PARTS	No.		SPECIFICATION
CN901	95A	205S	354 - 023	WIRE & CORE ASS'Y
	96A	29-	6 - 190	H.S. TUBING
	87A	501-	5	RECEPTACLES 0714

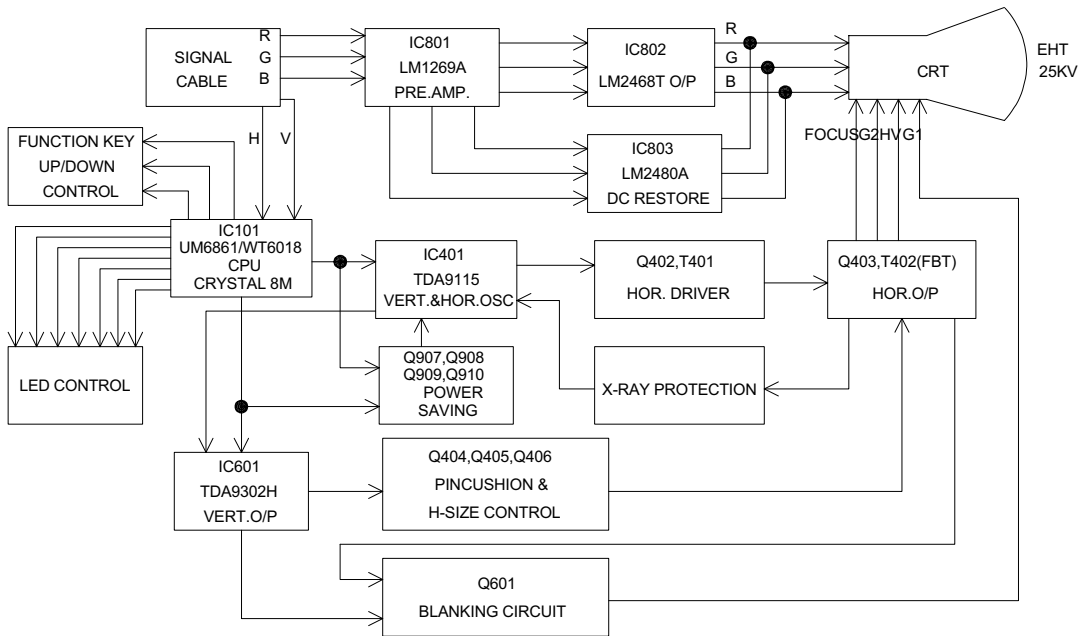
PARTS LIST OF CAB'T ASS'Y

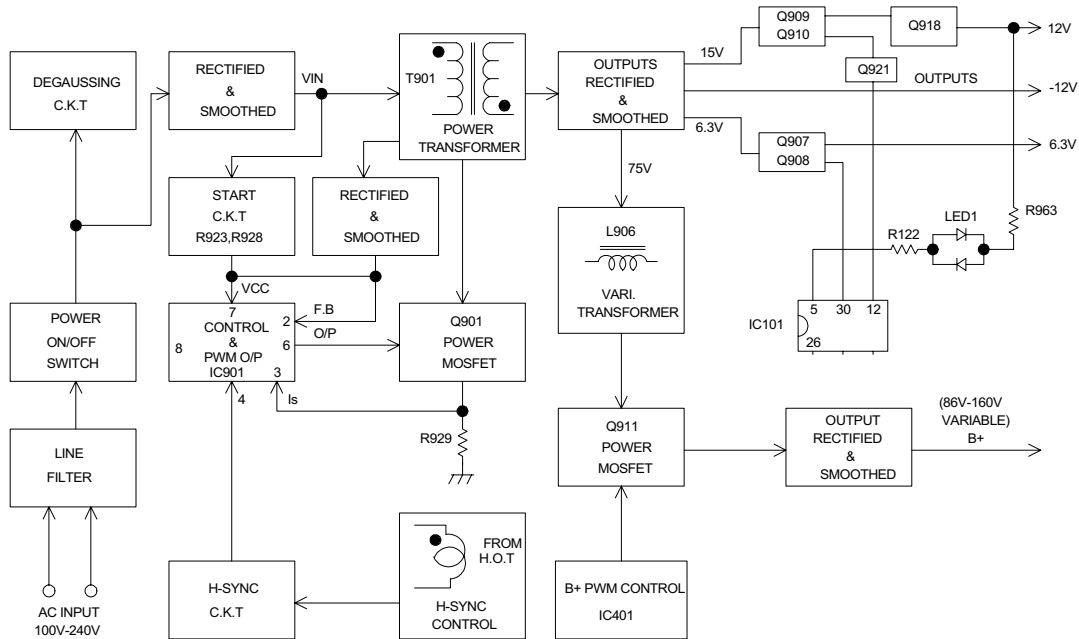
LOCATION	PARTS	No.		SPECIFICATION
	12A	385-	1	RUBBER FOOT
	33A	4054-	76 - L	POWER BUTTON
	33A	4055-	1	POWER LENS
	34A	755-	76 - A	BACK COVER
	34A	858-	76 - L	SWIVEL
	34A	859-	76 - L	BASE
	45A	76-	31 - HP	PE BAG

PARTS LIST OF CRT ALTERNATION

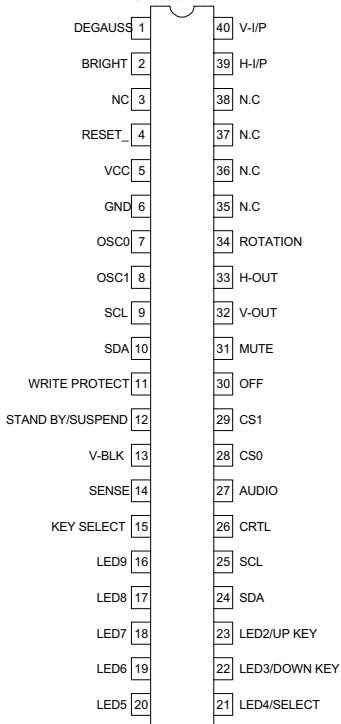
LOCATION	PARTS		No.			SPECIFICATION
	750A	5910-	7PS			15" CPT M36AES83X01 CRT
C418	63A	210J-	432 -	8CC		4.3NF +-5% 2KV
C419	63A	210J-	532 -	8DC		5300PF +-5% 2KV
C425	63A	210J-	274 -	3CC		0.27UF +-5% 400V
C427	63A	210J-	394 -	3CH		0.39UF +-5% 400V
C450	95A	90-	23			TIN COTAED
C480	95A	90-	23			TIN COTAED
L401	73A	147-	48D -	H		LINEARIT COIL
P405	33A	8009-	3			3P PLUG
R414	61A	172-	242 -	52T		2.4K OHM 5% 1/4W
R461	61A	153M-	151 -	59		150 OHM 5% 3W
R480	95A	90-	23			TIN COTAED
R490	61A	200-	433 -	52T		43K OHM 1/4W
R607	61A	208-	828 -	64		0.82 OHM 1W
R609	61A	172-	224 -	52T		220K OHM 5% 1/4W
R611	61A	200-	623 -	52T		62K OHM 1/4W
R614	61A	172-	134 -	52T		130K OHM 5% 1/4W
R621	61A	172-	103 -	52T		10K OHM 5% 1/4W
TP404	95A	201F-	50 -	162		WIRE

LOCATION	PARTS		No.			SPECIFICATION
	750A	5990-	1AV			CDT 15" 48K MPRII CRT
C418	63A	210J-	432 -	8CC		4.3NF +-5% 2KV
C419	63A	210J-	532 -	8DC		5300PF +-5% 2KV
C425	63A	210J-	274 -	3CC		0.27UF +-5% 400V
C427	63A	210J-	394 -	3CH		0.39UF +-5% 400V
C450	95A	90-	23			TIN COTAED
C480	95A	90-	23			TIN COTAED
L401	73A	147-	48D -	H		LINEARITY COIL
P405	33A	8009-	3			3P PLUG
R414	61A	172-	242 -	52T		2.4K OHM +-5% 1/4W
R461	61A	153M-	151 -	59		150 OHM +-5% 3W
R480	95A	90-	23			TIN COTAED
R490	61A	200-	433 -	52T		43K OHM 1/4W
R607	61A	208-	828 -	64		0.82 OHM 1W
R609	61A	172-	224 -	52T		220K OHM +-5% 1/4W
R611	61A	200-	623 -	52T		62K OHM 1/4W
R614	61A	172-	134 -	52T		130K OHM +-5% 1/4W
R621	61A	172-	103 -	52T		10K OHM +-5% 1/4W
TP404	95A	201F-	50 -	162		WIRE

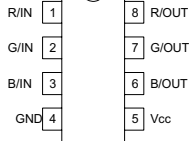




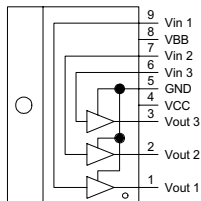
IC101
UM6861/WT62P1



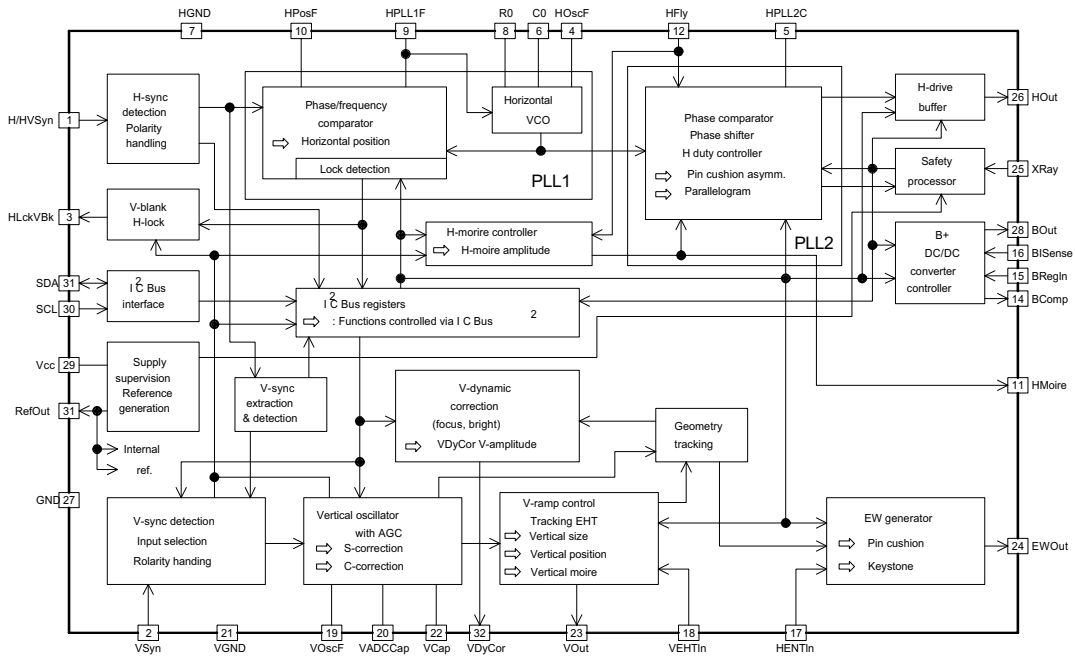
IC803
LM2480



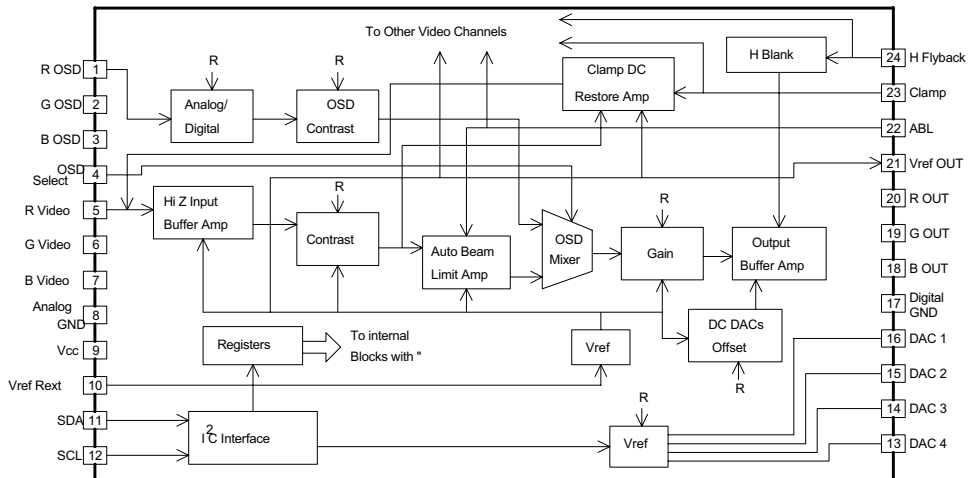
IC802
LM2468T



IC401 TDA9115

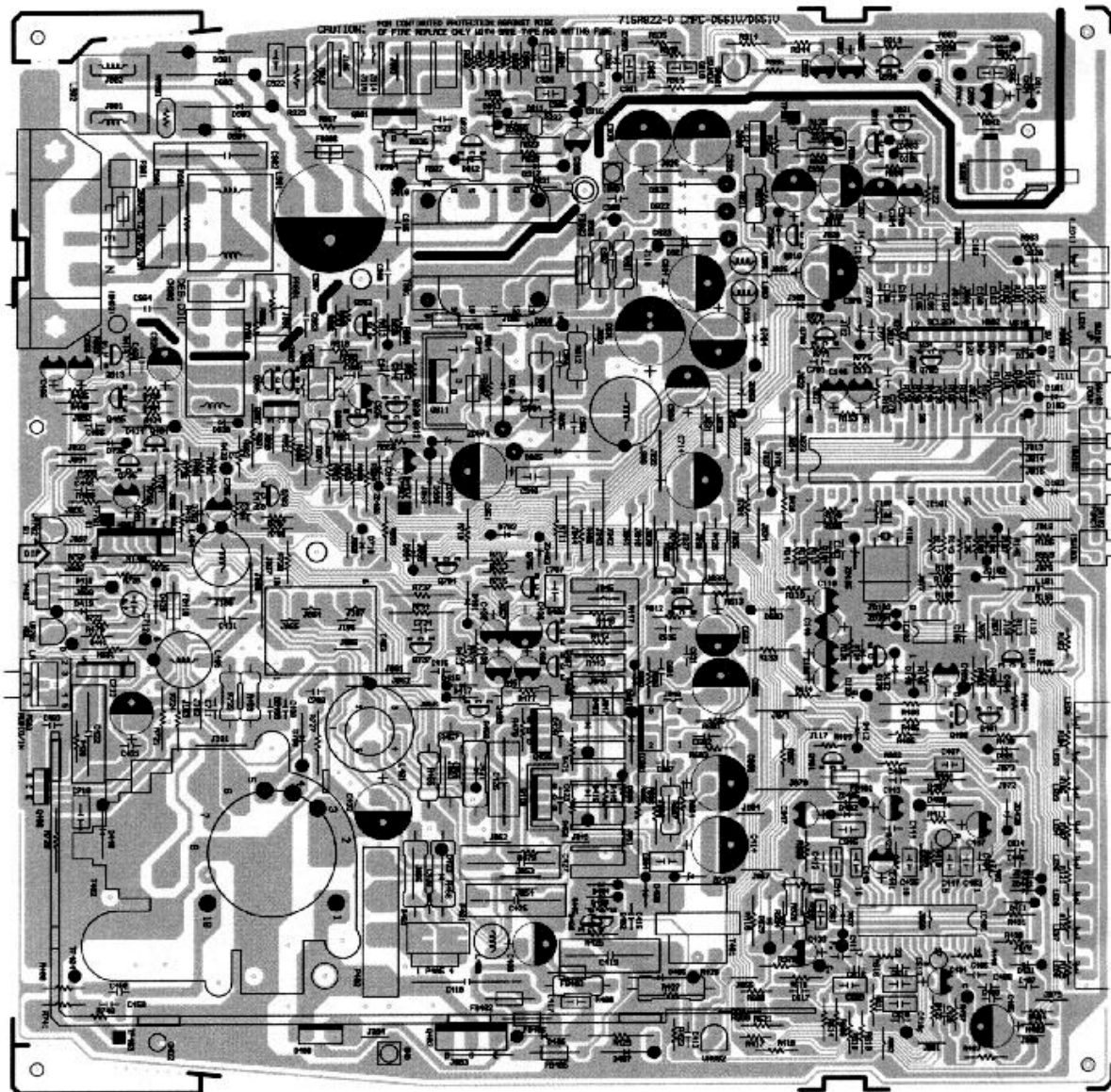


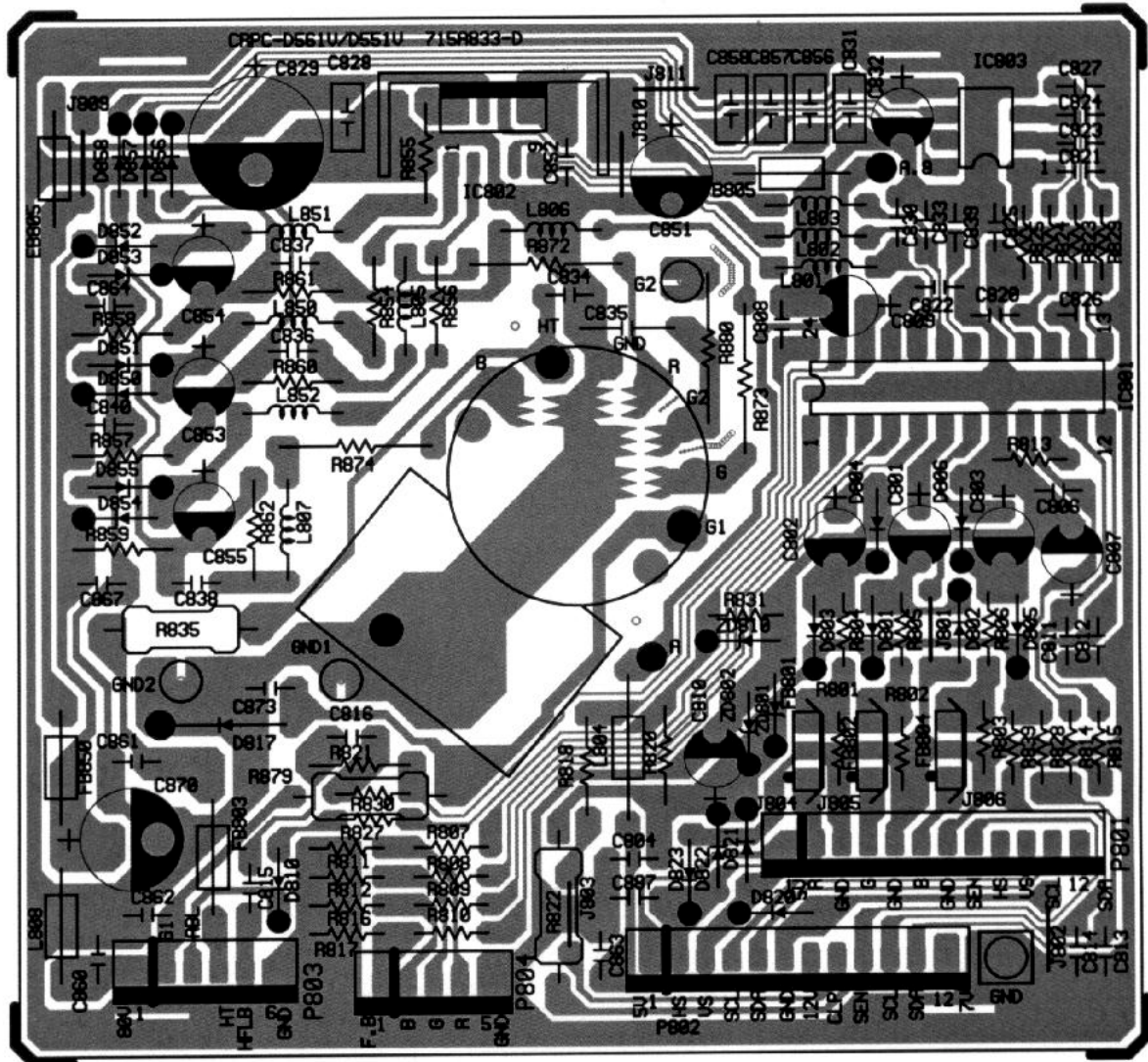
IC801 LM1269

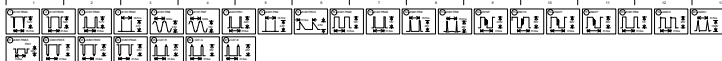
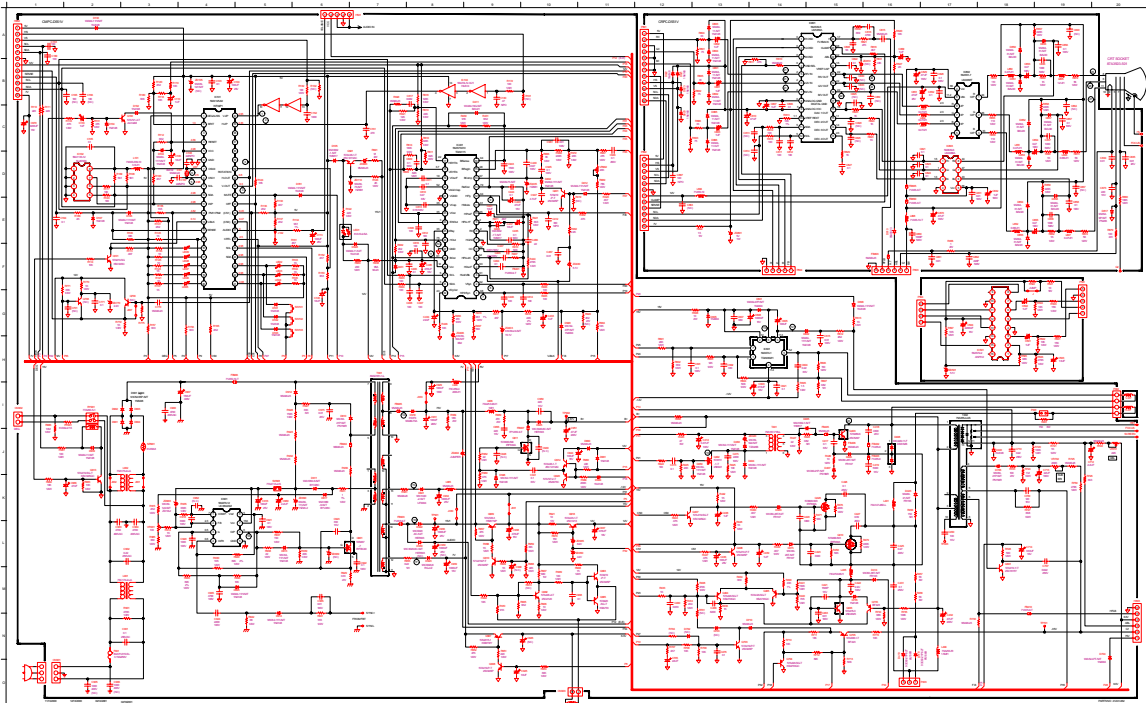


CAUTION: FOR TEST UNIT PROTECTION, HANDLE EDGE OF THE BOARD ONLY WITH THE TYPE AND THE SIZE OF THE BOARD.

715R22-D C/P-C-06611/06610







NOTE: This schematic, we can't guarantee the accuracy of this information after the date of publication and disclaims liability for changes, errors or omissions.

MODE	Simulation	DRAWING	H.J. Guang
FW	08/19/21-A	CHECKED	
DATE	Mar-25-21	APPROVED	

