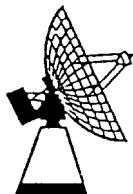


# NEC

MODELS JC-1531 VMA-2(H), (N), (NT), (T)  
JC-1531VMB-2 (H), (N), (NT), (T)  
JC-1531VMB-2(EE)(H), (EE)(N), (EE)(NT), (EE)(T)  
JC-1531 VMR-2(H), (N)

## COLOR MONITOR MultiSync 4FGe SERVICE MANUAL

PART NO. 599910363



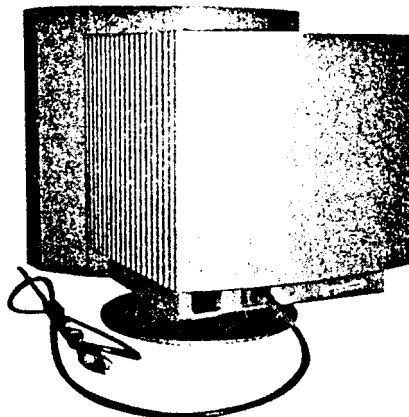
**Better Service**

**Better Reputation**

**Better Profit**



For Service Manuals  
**MAURITRON SERVICES**  
8 Cherry Tree Road, Chinnor  
Oxfordshire, OX9 4QY.  
Tel (01844) 351694  
Fax (01844) 352554  
email:- mauritron@dial.pipex.com



## SPECIFICATIONS

### - Electrical Description

Picture Tube	15" Flat Square CRT, 1200 mm radius 90 degree deflection, 0.28 mm dot pitch Dot type black matrix, Medium-short persistence phosphor, Dark bulb, High contrast, Anti-static coating, Invar shadow mask.	Synchronization	Horizontal : 27 kHz to 62 kHz (Automatically) Vertical : 55 Hz to 90 Hz (Automatically)
		Resolution	Horizontal : 1024 dots Vertical : 768 dots (non-interlaced)
Input Signal	Video : Analog 0.7 Vpp 75Ω Positive	Video Band Width	80 MHz
	Sync : Separate sync TTL Level	Active Display Area	Horizontal : 260 mm Active display area is changed Vertical : 195 mm (by signal timing)
	Horizontal sync Positive/Negative	Active Display Area	Horizontal : 280 mm
	Vertical sync Positive/Negative	Fullscan	Vertical : 210mm
Display Colors	: Composite sync TTL Level	Miconvergence	Less than 0.5 mm around perimeter less than 0.3 mm at center.
	Positive/Negative	Power Supply	JC-1531 VMA-2 AC 120V,60Hz JC-1531 VMB-2/VMR-2 AC 220 V, 50 Hz
	: Composite sync on green Video	Current Rating	JC-1531VMA-2 1.8 A JC-1531VMB-2/JC-1531VMB-2(EE)NMR-2 1A
	sync 0.3 Vp-p Negative (Video 0.7 Vpp Positive)	Environmental Considerations	Operating Temperature 0°C to +35°C Humidity 30% to 80% Storage Temperature -20°C to +60°C Humidity 10% to 90%
Analog Input : Unlimited colors (Depends on the graphics Board)		NOTE: The above specifications are subject to change without notice for further improvement.	

NEC Corporation  
TOKYO, JAPAN

# Introduction to the MultiSync 4FGe color monitor

The MultiSync 4FGe monitor allows you to “plug and play”; the MultiSync technology provides you with automatic compatibility with multiple operating platforms and a vast array of graphics standards allowing resolution upgrades without upgrading the monitor.

The larger 15", high contrast, flatter screen offers improved clarity and enhanced color and image quality.

ColorControl allows you to adjust the colors on your screen to exactly what you want. Thus eliminating misrepresentations and frustration.

The MultiSync 4FGe monitor strictly follows ErgoDesign guidelines. ErgoDesign describes a philosophy governing the design of the MultiSync monitors. The goal of ErgoDesign is to maximize the comfort and productivity of the end user.

## Feature Highlights

### Multiple Frequency Technology

The Multiple Frequency Technology automatically adjust the monitor to the video card's scanning frequency thus displaying the resolution you require. The MultiSync 4FGe also supports multiple operating platforms including IBM compatible and Macintosh family systems.

Increased resolution adds to the image clarity, and the MultiSync 4FGe monitor provides a wider range of higher resolution to meet your needs for now and in the future.

A wide Range of Graphics Standards is displayable by the MultiSync 4FGe monitor including:

- VGA at 640x480 • 60,72 and 75 Hz
- Super VGA at 800x600-60 and 72 Hz
- MAC II and Quadra at 640x480-67 Hz
- MAC II and Quadra at 832x624 • 75Hz
- 8514/A and XGA at 1024x768 Interlaced
- XGA-2 up to 1024 x 768
- 1024x768 Non-Interlaced 70, 72 and 76 Hz

### Screen Technology

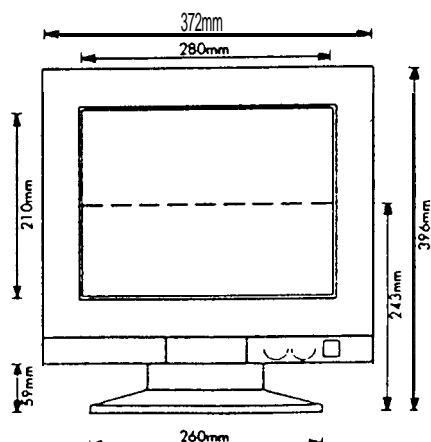
A High Contrast Tube with a 0.28 mm dot pitch increases the clarity and displays greater detail. Good clarity allows your eyes to flow over the screen image and more easily absorb the information.

The Flatter Screen of the MultiSync 4FGe monitor reduces distortion of your image.

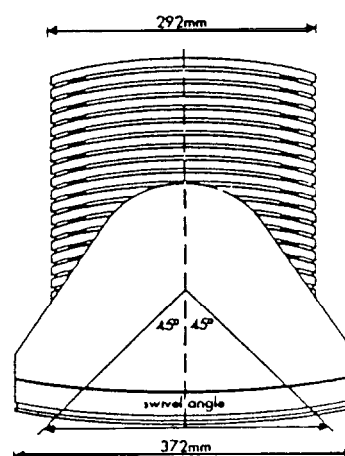
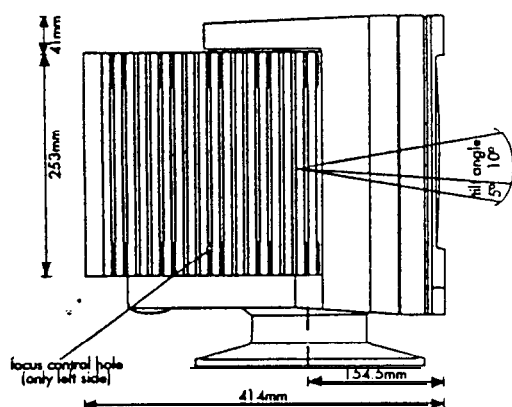
Increased Brightness provides higher contrast and more vivid colors.

## Mechanical Description

- |               |   |
|---------------|---|
| 1. Cabinet    | Molded plastic cabinet with tilt swivel base. |
| 2. Dimensions | 372 (W) X 396 (H) X 414 (D) mm                |



- ### 3. Tilt Swivel Range

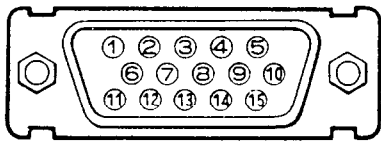


- |                          |   |
|--------------------------|---|
| 4. Weight                | 17.8 kg   |
| 5. Controls              | Power Switch<br>Brightness Control<br>Contrast Control<br>Color Switch<br>Sync Switch<br>H Size Increase, H Size Decrease<br>H Position Left, H Position right<br>V Size Increase, V Size Decrease<br>V Position Up, V Position Down<br>Memory Recall Button<br>Mode Status LED<br>Degauss Switch |
| 6. Input Signal Terminal | Mini D-SUB 15P Connector (MALE)<br>D-SUB 15P Connector (MALE)<br>(See page 3 for Pin Assignments Table)   |

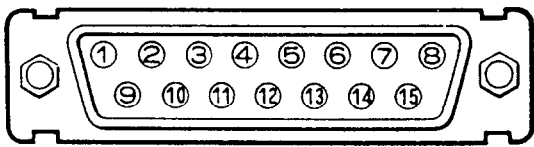
# Pin Assignment Table

## D-SUB INPUT

MINI D-SUB 15P



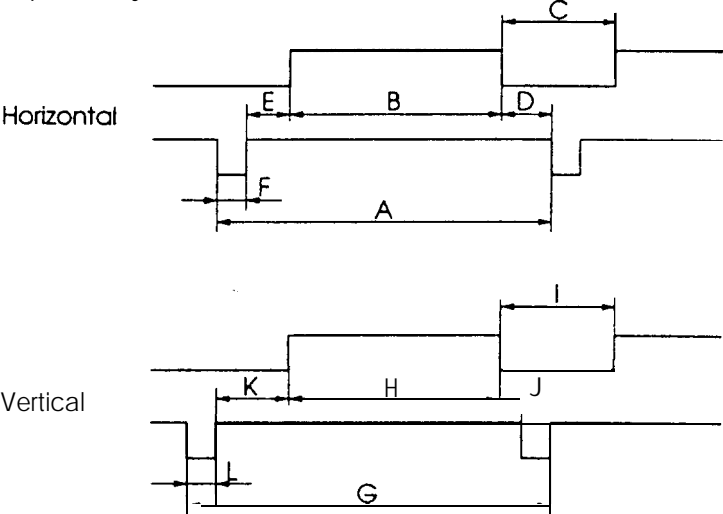
D-SUB 15P



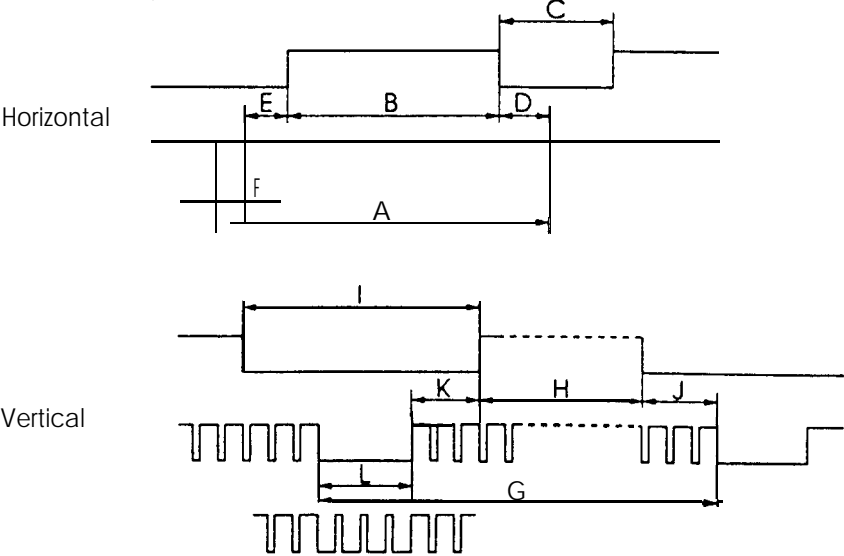
Pin No.	VGA, 8514/A & XGA Mini D-Sub 15P	Macintosh with Adapter D-SUB 15P
1	RED	GROUND
2	GREEN	RED
3	BLUE	H/V COMP SYNC
4	GROUND	GROUND
5	SELF TEST	GREEN.
6	GROUND	GROUND
7	GROUND	NC
8	GROUND	NC
9	NC	BLUE
10	GROUND	NC
11	GROUND	GROUND
12	RESERVED	NC
13	H SYNC	GROUND
14	V SYNC	GROUND
15	NC	NC

# Timing Charts

Separate Sync



Composite Sync

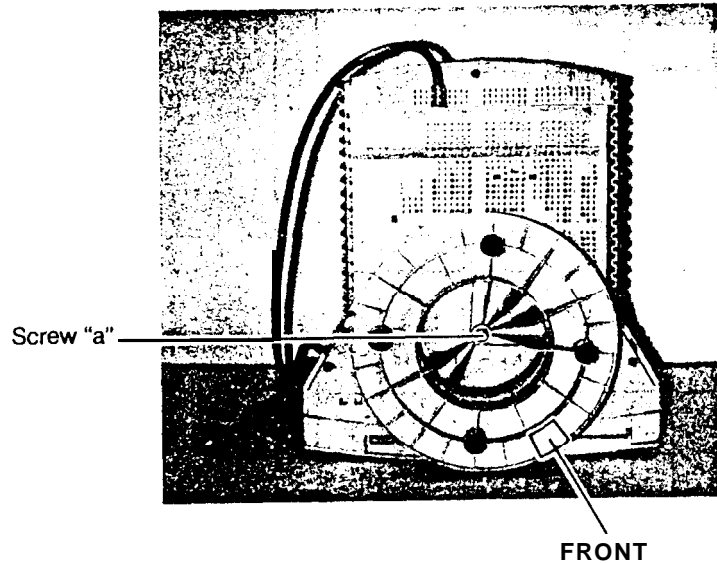


# PRESET TIMING

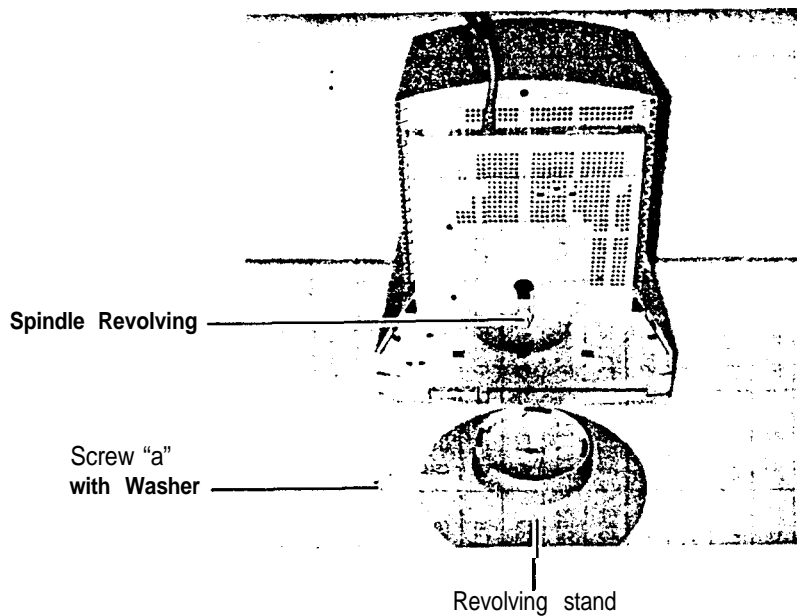
## PRESET TIMING

	VGA350	VGA400	VGA480	XGA/ 8514/A	EVGA350	EVGA400	EVGA480	Macintosh I 640	Macintosh I 832	800x600 at 60Hz	8000x600 at 72Hz	1024x768 at 70Hz	1024x768 at 72Hz	1024x768 at 76Hz
fH kHz	31,47	31,47	31,47	35,52	37,86	37,86	37,86	35,00	49,72	37,88	48,08	56,48	58,14	60,98
A $\mu$ s	31,78	31,78	31,78	28,15	26,41	26,41	26,41	28,57	20,11	26,40	20,80	17,71	17,20	16,40
B $\mu$ s	25,42	25,42	25,42	22,81	20,32	20,32	20,32	21,16	14,52	20,00	16,00	13,65	12,80	12,80
C $\mu$ s	6,36	6,36	6,36	5,35	6,10	6,10	6,10	7,41	5,59	6,40	4,80	4,05	4,40	3,60
D $\mu$ s	0,64	0,64	0,64	0,18	0,76	0,76	0,76	2,12	0,56	1,00	1,12	0,32	0,50	0,30
E $\mu$ s	1,91	1,91	1,91	1,25	4,06	4,06	4,06	3,17	3,91	2,20	1,28	1,92	2,40	2,10
F $\mu$ s	3,81	3,81	3,81	3,92	1,27	1,27	1,27	2,12	1,12	3,20	2,40	1,81	1,50	1,20
fV Hz	70,09	70,09	59,94	86,96	84,13	84,13	72,81	66,67	74,55	60,32	72,19	70,07	71,95	76,03
G ms	14,268	14,268	16,683	11,500	11,886	11,886	13,735	15,000	13,414	16,579	13,853	14,272	13,898	13,153
H ms	11,122	12,711	15,253	10,810	9,244	10,565	12,678	13,714	12,549	15,840	12,840	13,599	13,210	12,595
I ms	3,146	1,557	1,430	0,690	2,641	1,321	1,057	1,286	0,865	0,739	1,373	0,673	0,688	0,558
J ms	1,176	0,381	0,318	0/0,014	0,924	0,238	0,238	0,086	0,020	0,026	0,770	0,053	0,034	0
K ms	1,907	1,112	1,049	0,577/ 0,563	1,638	1,004	0,740	1,114	0,748	0,607	0,478	0,513	0,619	0,525
L ms	0,064	0,064	0,064	0,113	0,079	0,079	0,079	0,086	0,060	0,106	0,125	0,106	0,034	0,033

## THE METHOD FOR REMOVING THE TILT SWIVEL BASE

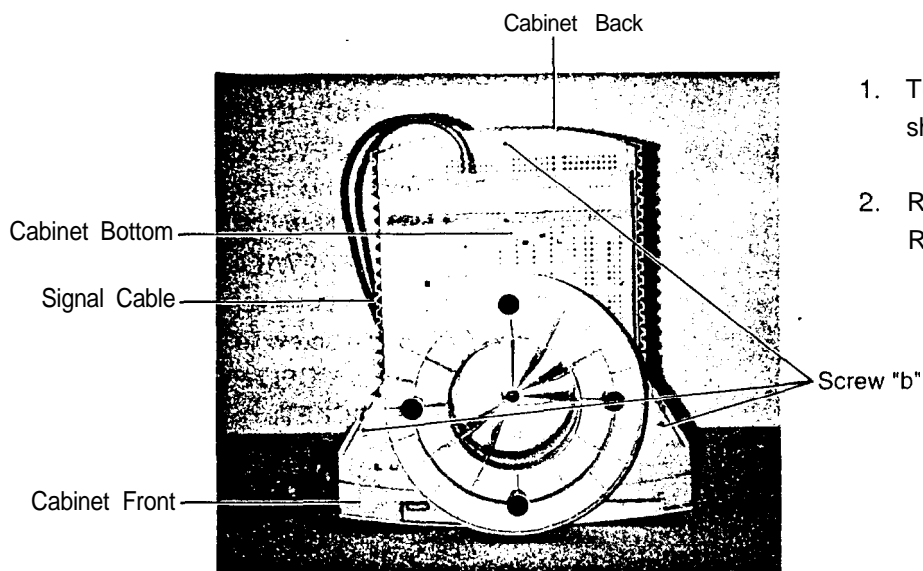


1. Turn the monitor CRT face down as shown. (Top VIEW)
2. Remove the screw "a" with washer, then remove the revolving stand from the display.
  - Move the revolving stand so that the "FRONT" mark is aligned with the cabinet side.

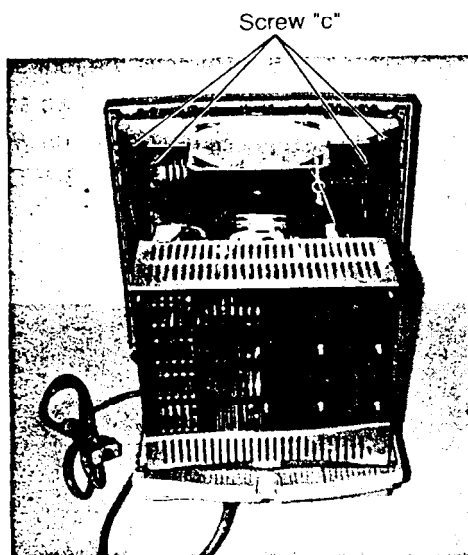


3. The removable parts consist of a display, revolving stand, spindle revolving, and screw "a" with washer as shown.

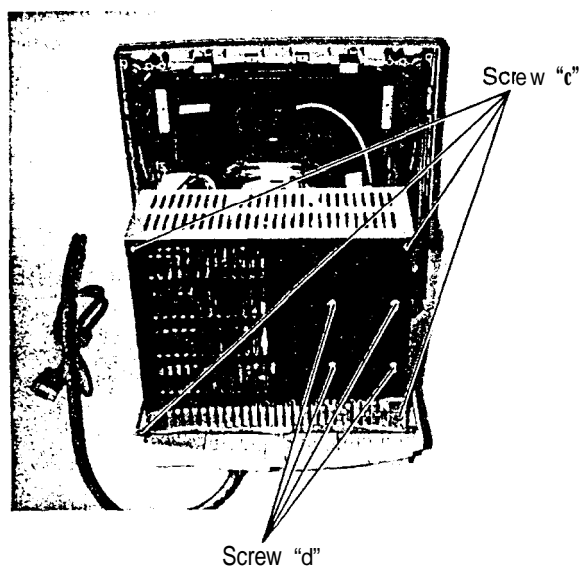
## DISASSEMBLY



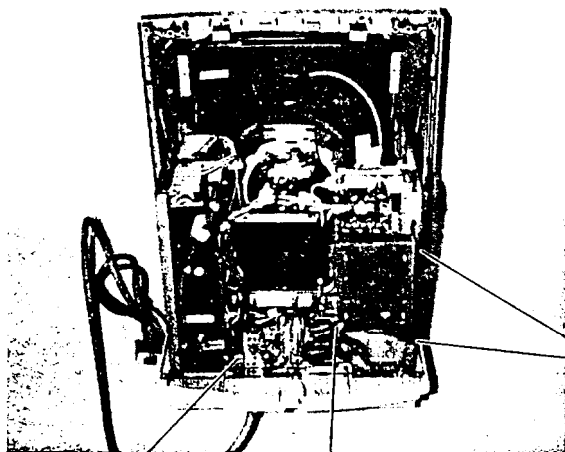
1. Turn the monitor CRT face down as shown. (Top VIEW)
2. Remove the three screws "b".  
Remove the CABINET BACK.



3. Place the monitor on its base as shown.  
Remove the four screws "c" from the case, shielding (CRT), and remove the case, shielding (CRT).



4. Remove the four screws "c" and remove the four screws "d" from the case, shielding (BACK).  
Remove the case, shielding (BACK) and case, shielding (TOP).

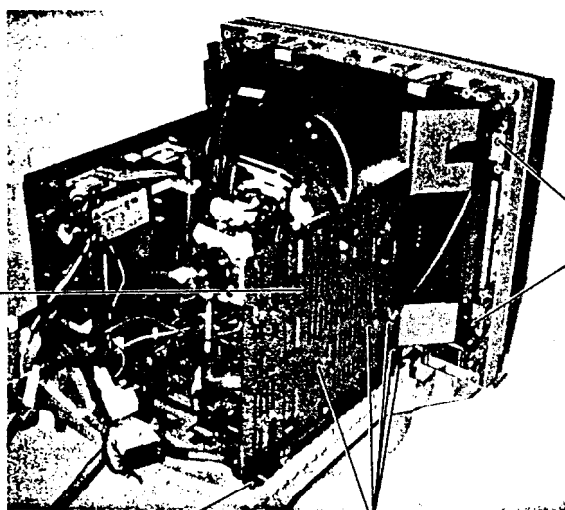


5. Disconnect the connectors "CN-J", "CN-L", "CN-C", "CN-IN" and "CN-A".  
(from VIDEO PWB ASSY)  
Disconnect the connectors "CN-B", "CN-HC", "CN-R", "CN-G" and "CN-M".(from CRT PWB ASSY)  
Remove the three screws "c".  
Remove the screw "e".  
Remove the VIDEO PWB ASSY. (with VIDEO BRACKET)

Screw "c"

Screw "c"

Screw "e"



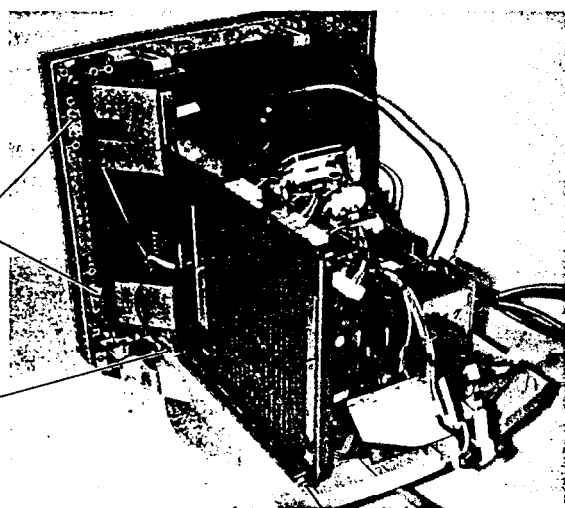
6. Remove the four screws "c".  
Remove the two screws "f".  
Remove the screw "k".  
Remove the BRACKET (L).

Screw "f"

BRACKET  
(L)

Screw "k"

Screw "c"

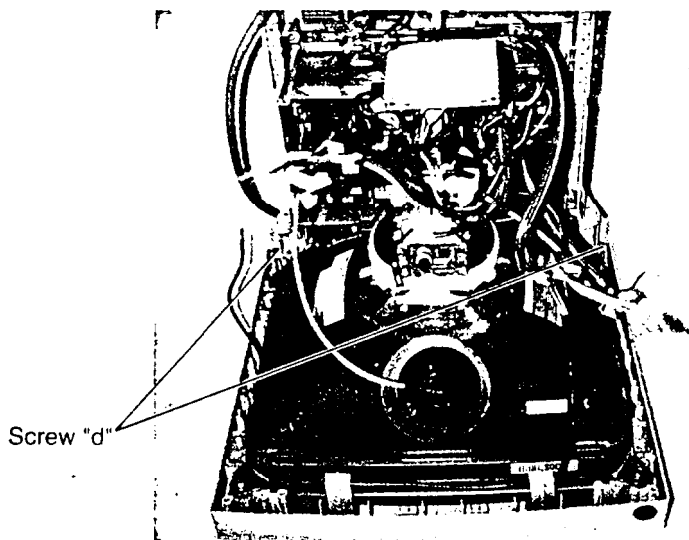


Screw "f"

Screw "e"

Screw "k"

7. Disconnect the connectors "CN-SW", "CN-Z", "CN-D/C" and "CN-K". (from the SW REG UNIT)  
Remove the screw "f".  
Remove the screw "k".  
Remove the two screws "d".  
Remove the SW REG BRACKET (R) ASSY. (with SW REG UNIT)



8. Turn the monitor CRT face down as shown.

Remove the two screws "d".

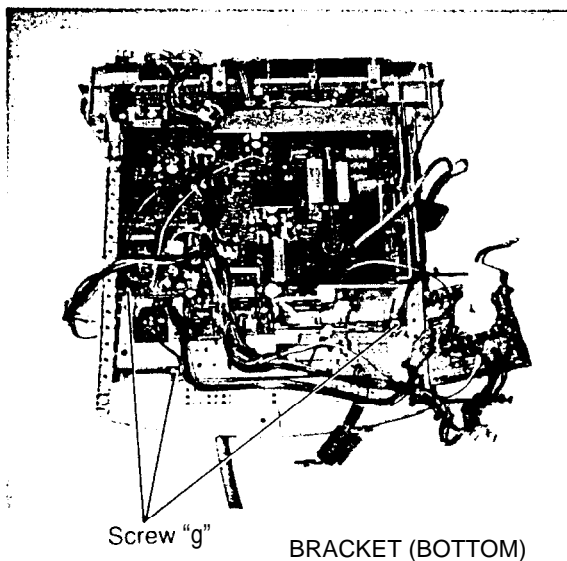
Remove the Anode cap from CRT.

Disconnect the CRT PWB ASSY.

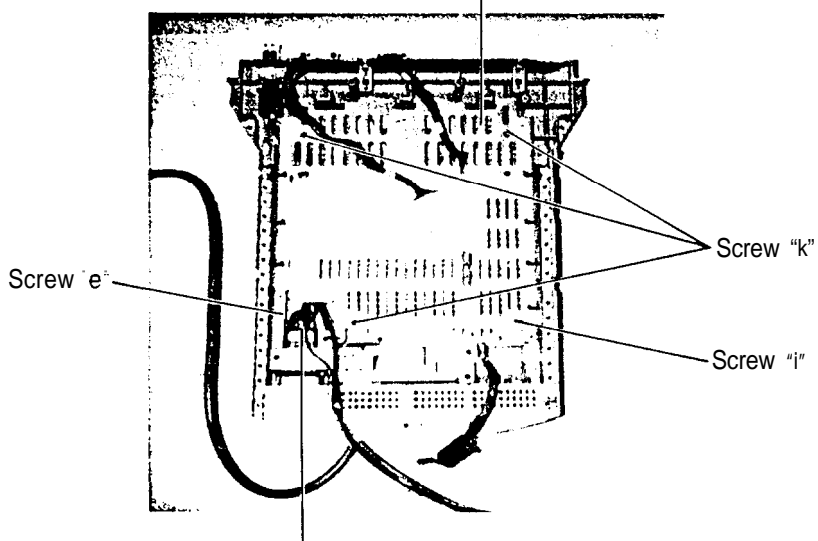
Disconnect the connectors "CN-E", "CN-F", "CN-VDY", "CN-HDY" and "CN-K".

**NOTE:**

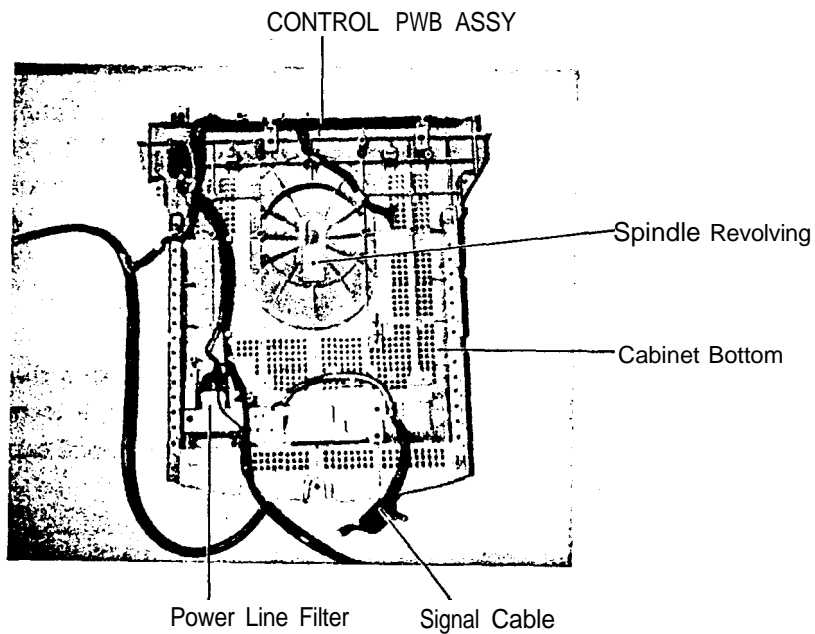
Carefully discharge the CRT anode cap by shorting it to ground before removing the anode cap.



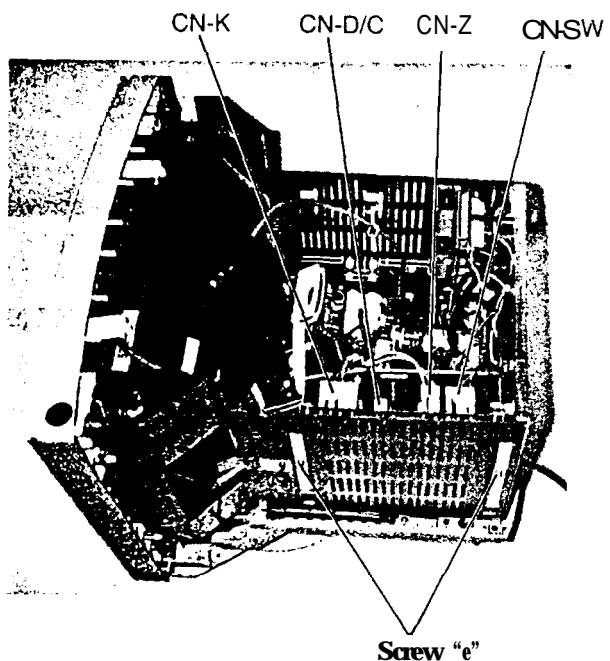
9. Remove the three screws "g".  
Remove the MAIN PWB ASSY.



10. Remove the three screws "k".  
Remove the screw "e".  
Remove the screw "i".  
Remove the BRACKET (BOTTOM).



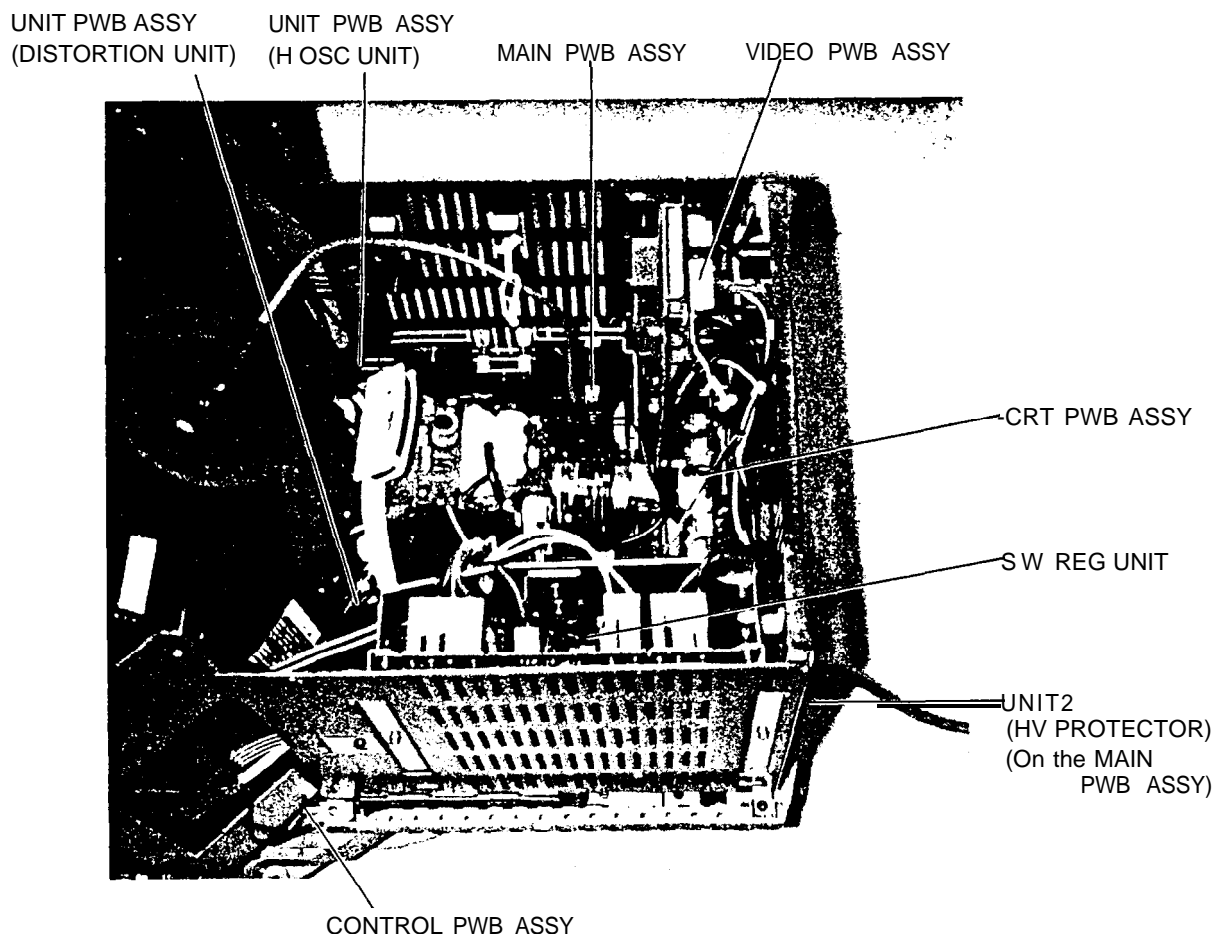
## SW REG UNIT DISASSEMBLY



1. Disconnect the connectors TN-K", "CN-Z", "CN-D/C" and "CN-SW"
2. Remove the two screws "e" and lift up the SW REG UNIT.

# BOARD LAYOUT

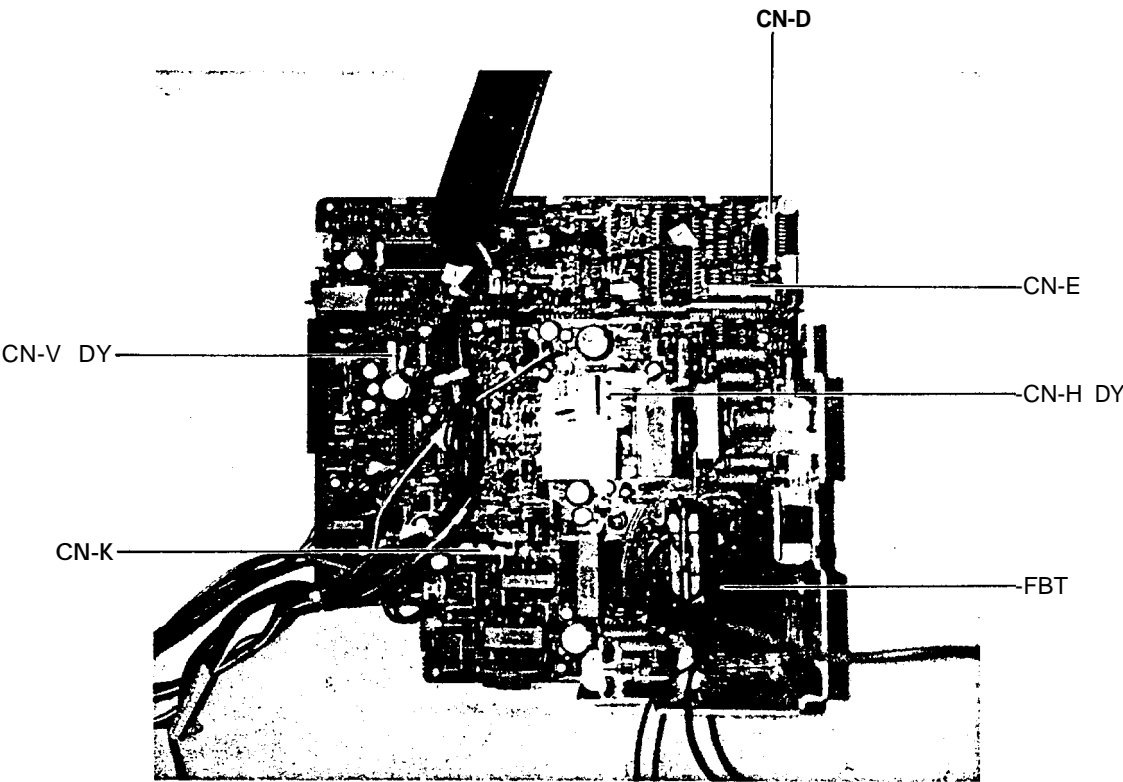
## PARTS LOCATION- BOARD LAYOUT



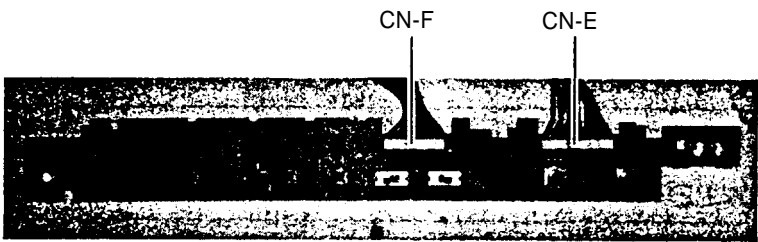
### BOARDS

MAIN PWB ASSY	PWE-365
VIDEO PWB ASSY	PWE-315A
CRT PWB ASSY	PWE-3158
CONTROL PWB ASSY	PWE-318
SW REG UNIT (VMA)	SMP-120BB
SW REG UNIT (VMB/R/B (EE))	SMP-12088-I
UNIT PWB ASSY (H OSC UNIT)	PWE-366A
UNIT PWB ASSY (DISTORTION UNIT)	PWE-366B
UNIT 2 (HV PROTECTOR)	—

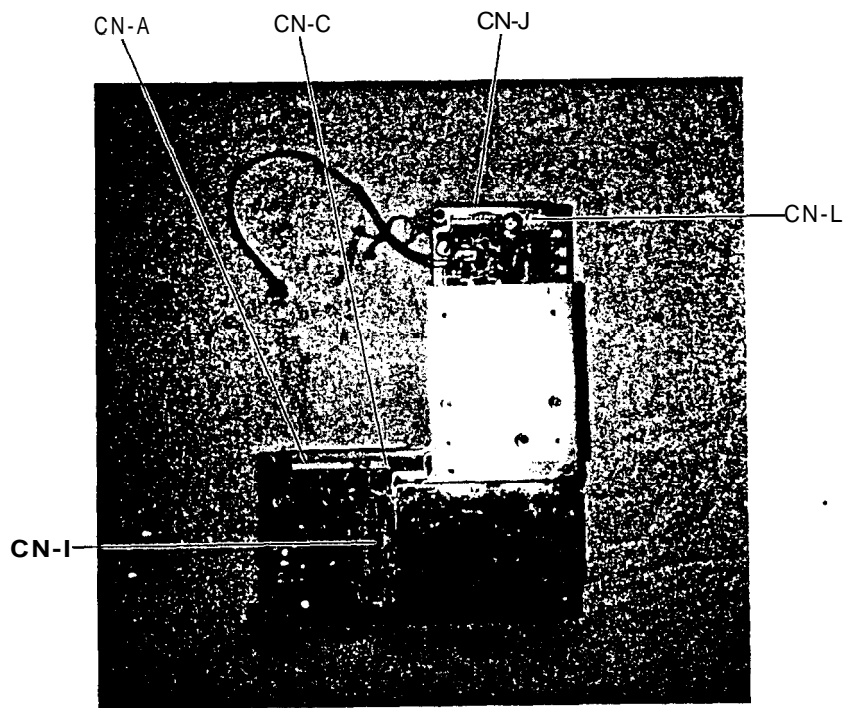
CONNECTORS



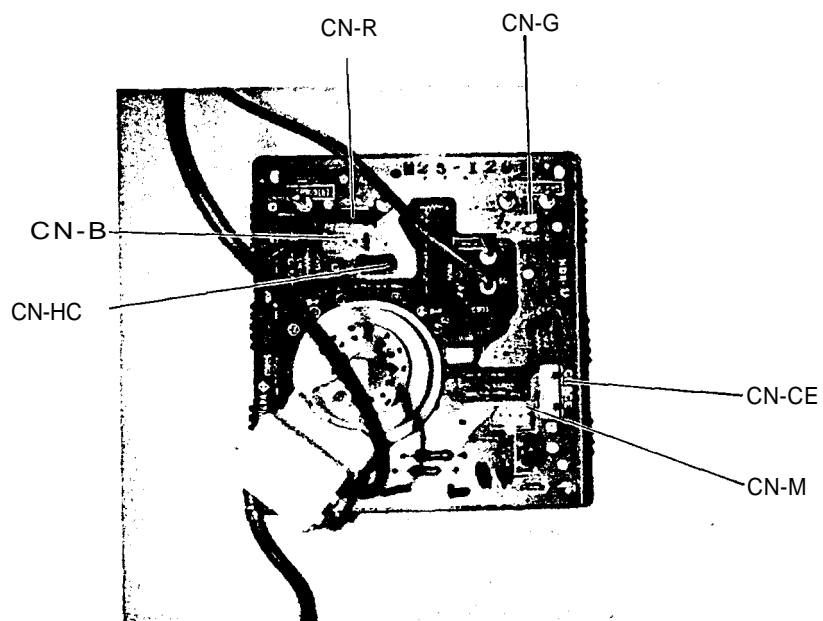
MAIN PWB ASSY (PWE-365)



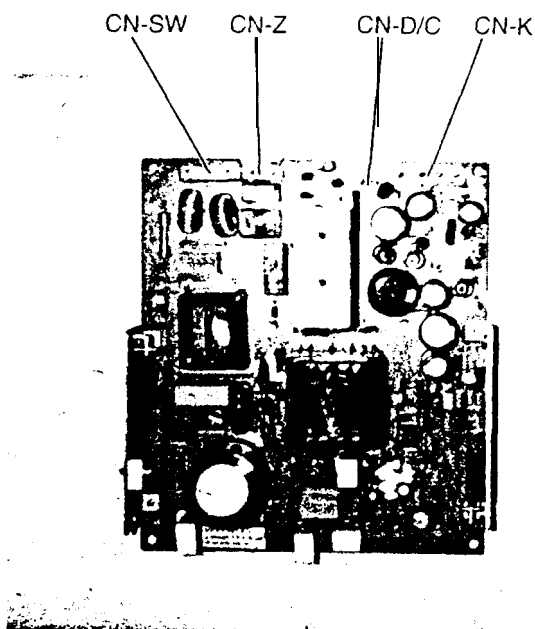
CONTROL PWB ASSY (PWE-318)



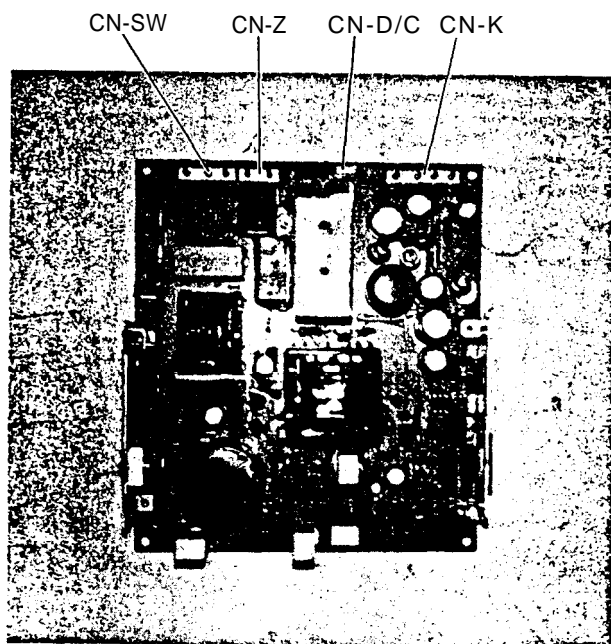
**VIDEO PWB ASSY (PWE-315A)**



**CRT PWB ASSY (PWE3158)**

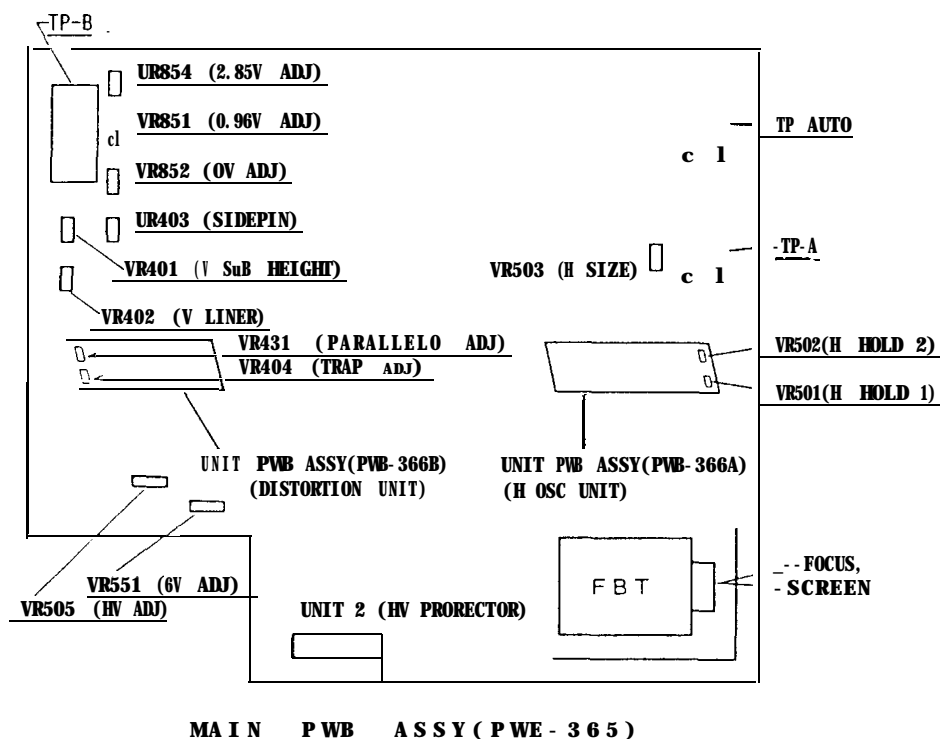


**SW REG PWB ASSY (VMA)**



**SW REG PWB ASSY (VMB/R/B(EE))**

# ADJUSTMENT CONTROLS LAYOUT



## TEST PIN ASSIGNMENT

### TP-AUTO

01	03	05	07	09	0	0	0	0	17
02	04	06	08	0100	0	0	0	0	18

### PIN NO

1	MEMORY RECALL	10	N C
2	AUTO ADJUSTMENT PULSE OUT	11	CONTROL DOWN
3	CONTROL SELECT 0(H S)	12	USER LEVEL ID
4	TEST POINT TP-3	13	CONTROL UP
5	CONTROL SELECT 1(H P)	14	COLOR N
6	TEST POINT TP-2	15	+5v
7	CONTROL SELECT 2(V S)	16	COLOR 1
8	TEST POINT TP-1	17	GND
9	CONTROL SELECT 3(V P)	18	COLOR 2

### TP-A

11 10 9 8 7 6 5 4 3 2 1

0	0	0	0	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---

### PIN NO

1	TEST POINT TP-1	7	H V PROTECTOR (10)
2	TEST POINT TP-2	8	H V PROTECTOR (8)
3	+ 5v	9	H SYNC OFF
4	TEST POINT TP-3	10	0v ADJ
5	H V PROTECTOR (9)	11	GND
6	H V PROTECTOR (7)		

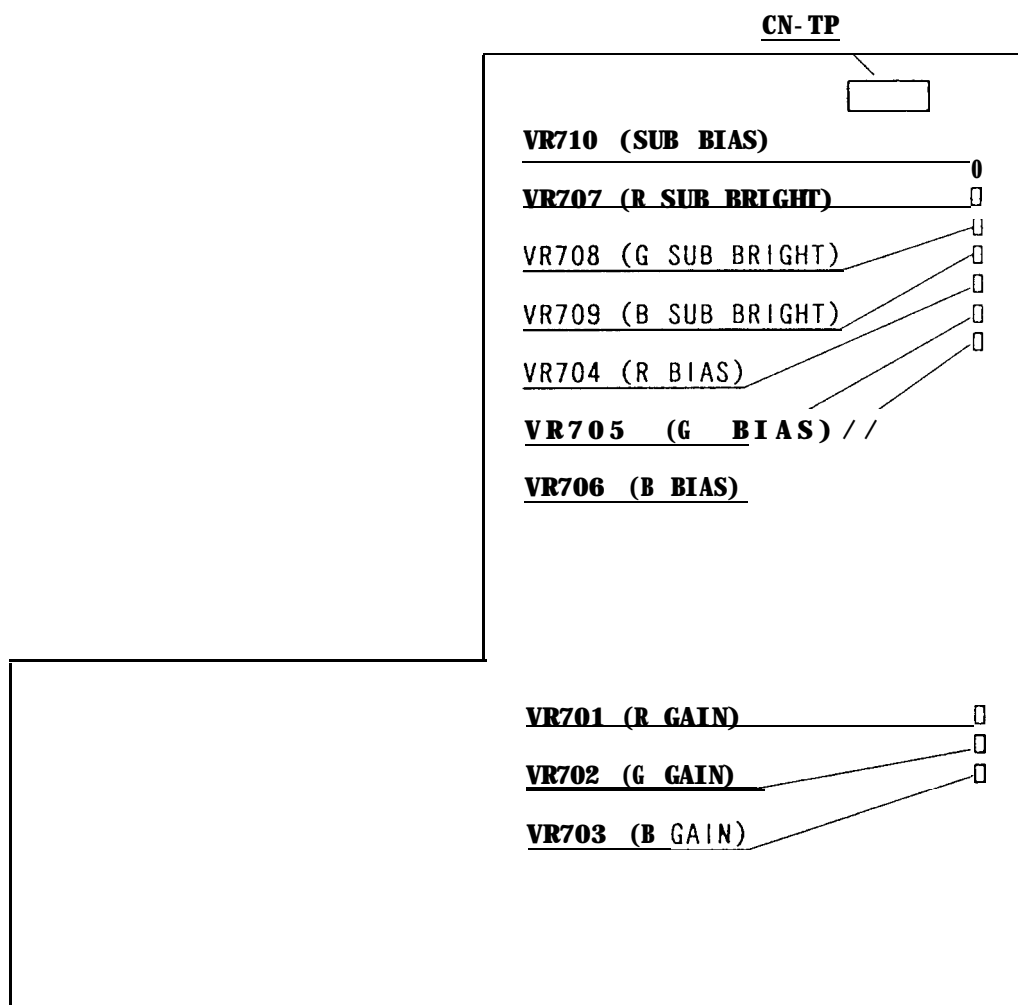
### TP-B

6 5 4 3 2 1

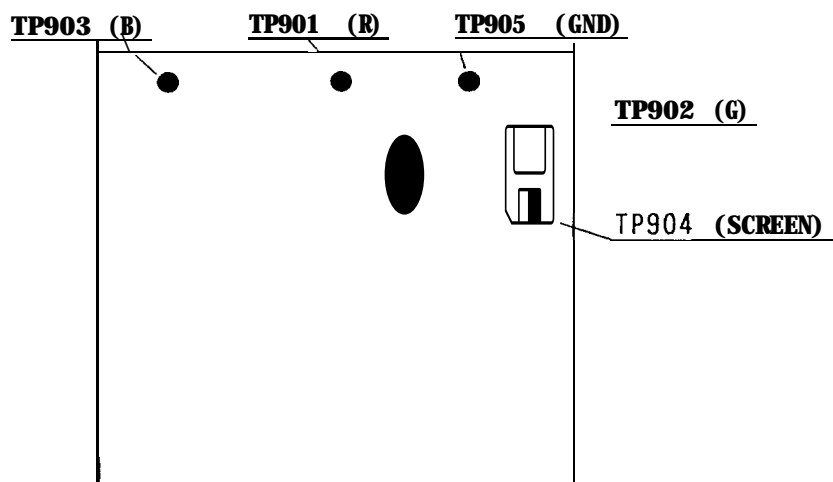
0	0	0	0	0	0
---	---	---	---	---	---

### PIN NO

2	GND	4	0.96v ADJ
	2.85v ADJ	5	CUT OFF (NO VERTICAL HEIGHT)
3	5.14v ADJ	6	CUT OFF (FAINT ADJUST)



**V I D E O P W B A S S Y ( P W E - 3 1 5 A )**



**C R T P W B A S S Y ( P W E - 3 1 5 B )**

# ADJUSTMENT PROCEDURE

See page 26 for j i g

## Standard Adjustment Conditions

- 1) Power source voltage: JC-1531VMA-2 AC120V60Hz/JC-1531VMB-2, R-~,  
B-2(EE) AC220V50
- 2) Aging : Adjust after leaving power on for a minimum twenty minutes.
- 3) Signal:
  - Video Analog 0.7Vp-p 75Ω terminal positive polarity
  - Analog sync on green
  - Video : 0.7Vp-p
  - Synchronizing : 0.3Vp-p
  - Synchronizing : TTL level Negative/positive polarity
  - Separate/composite
  - Deflection frequency : H 27kHz~62kHz
  - V 55Hz~90Hz

## 1. Pre - Adjustment of MAIN PWB

NOTE: The following 5 steps are to be performed only when the MAIN PWB is replaced.

### 1) VR Settings

- VR501 H HOLD 1 : Fully clockwise
- VR502 H HOLD 2 : Fully clockwise
- VR503 H SIZE : Fully counterclockwise
- VR431 PARALLELO ADJ: Mechanical center

### 2) Heater Voltage Adjustment

Signal 9 (1024X768(70))

- a) Receive character "H".
- b) Supply 24V to the MAIN PWB.
- c) Adjust VR551 so that the voltage across HC ① and ② is 6.1V ±0.05V.

### 3) H V Adjustment

Signal 11 (42.5kHz)

- a) Connect CNP-HV
- b) Turn VR505(H V ADJ VR) fully counterclockwise.
- c) Receive crosshatched pattern and adjust VR501(H HOLD 1) and VR502 (H HOLD 2) to synchronize the screen.
- d) Brightness control: Fully counterclockwise
- Contrast control : Fully counterclockwise
- e) Receive an all-black signal.
- f) Confirm that the CRT is at cut-off.
- g) Adjust VR505 so that high voltage is 24kV ±0.1kV.
- h) Seal VR505 by using a cap(74102801) and silicon glue.

### 4) Reference Voltage Adjustmant

- a) Supply 24V to the MAIN PWB.
- b) Adjust VR851(0.96V ADJ) so that the voltage across TP42 and GND on Adjustment-PWB (TP-B ③ and ④) 0.96V ±0.01V.

### 5) 0V Adjust

Signal 10

- a) Receive signal 10(all "H").
- b) Adjust VR852(5.14 ADJ) so that the voltage across TP-A ⑩ and ⑪ is 0V ±0.05V.

## 2. Main Adjustment

### Service adjustment

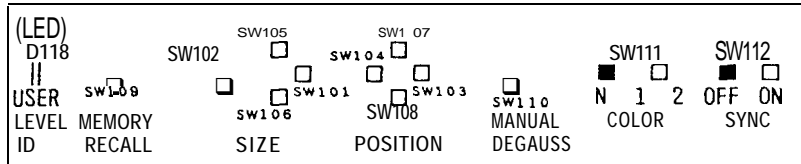
\* Set the user switch positions as follows unless otherwise instructed.

**CONTRAST VR** : Fully clockwise

**BRIGHTNESS VR**: Adjust to the point where the back raster just disappears

**COLOR SW** : Far on your left (position "N")

**SYNC SW** : Left side (off)



Switch inside the front door

\* The user level 1 LED indicators the level as follows

LEVEL 1 : Turn off

LEVEL 2 : Turn on

LEVEL 3 : Turn on and off

Unless otherwise instructed, set the user level to level 1.

\* Changing the user level

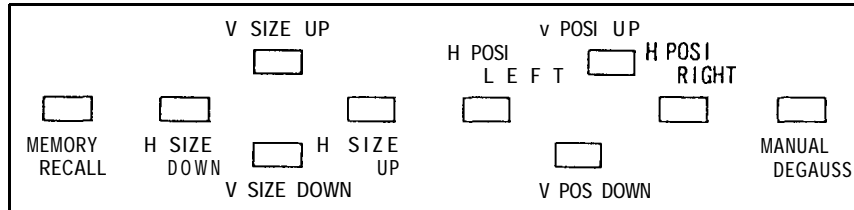
To LEVEL 1 : Simultaneously press DEGAUSS(SW110) and V POS UP(SW107)

To LEVEL 2 : Simultaneously press DEGAUSS(SW110) and H POS RIGHT(SW103)

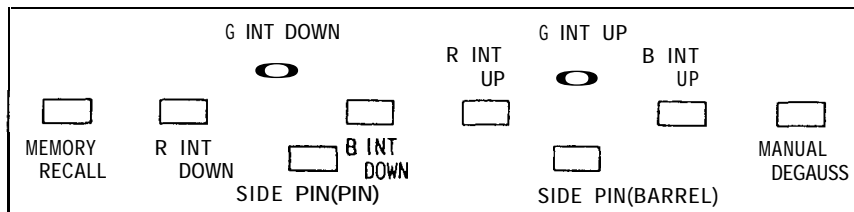
To LEVEL 3 : Simultaneously press DEGAUSS(SW110) and V POS DOWN(SW108)

\* User switch functions

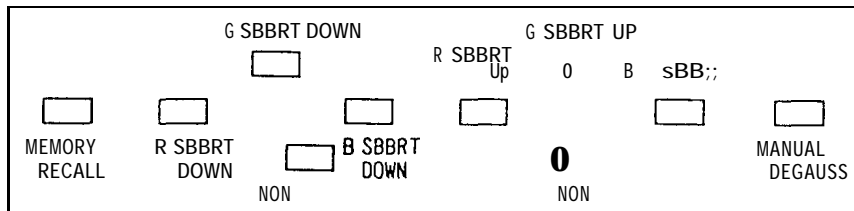
a) LEVEL 1 (POSITION, SIZE)



b) LEVEL 2 (INTENSITY, SIDE PIN)



c) LEVEL 3 (SUB-BRIGHT)



d) VR503: H SIZE Fully clockwise

\* Adjustment jig

Set all switches at "Open" position.

Connect TP-A and TP-B to Adjustment jig.

## (2-1) MAIN PWB ADJUSTMENT

- (1) **Horizontal Hold** Signal 1 (VGA350)  
Signal 10 (1024X768(76))
- (a) Receive signal 10(all "H").
  - (b) Adjust VR852(5.14V ADJ) so that the voltage across TP43 and GND on Adjustment jig (TP-A ⑩ and ⑪) is  $0V \pm 0.05V$ .
  - (c) Short SW6 on Adjusting jig (TP-A ⑨ and ⑪) and adjust VR501 (H HOLD 1) so that there is one screen.
  - (d) Open SW6 on Adjusting jig (TP-A ⑨ and ⑪) and check for synchronization.
  - (e) Receive signal 10(all "H").
  - (f) Short SW6 on Adjustment jig (TP-A ⑨ and ⑪) and adjust VR502 (H HOLD 2) so that there one screen.
  - (g) Open SW6 on Adjustment jig (TP-A ⑨ and ⑪) and check for synchronization.
- (2) **Horizontal Raster Centering** Signal 12 (1024X768(76))
- (a) Receive an all-black signal.
  - (b) If necessary, adjust the brightness control so that the raster is faintly illuminated.
  - (c) If necessary, press the user control switch(SW01) and compress the amplitude until both edges of the horizontal raster can be seen. (Adjust the HORIZONTAL RASTEP size about 270mm)
  - (d) Adjust VR552 so that the raster is within the following limits space between bezel and raster right and left space difference  $\pm 2$  mm.
- (3) **Vertical Linearity** Signal 6 (800x600(56))
- Perform this procedure only necessary. If needed:
- (a) Receive a crosshatch pattern.
  - (b) Adjust VR401(V SUB HEIGHT) so that the vertical screen size is approximately 195mm
  - (c) Adjust VR402(V LIN) to obtain the best vertical linearity.
- (4) **Vertical Sub Height** Signal 1 (VGA350)
- (a) Receive a crosshatch pattern.
  - (b) Adjust the user control V POS switches(SW07/108) to center the vertical screen position.
  - (c) Use the V SIZE switches(SW05/106) to increase the vertical screen size to the maximum size.
  - (d) Adjust VR401(V SUB HEIGHT) so that the top and bottom horizontal lines of the crosshatch pattern just meet the front bezel.
- (5) **Side Pin** Signal 6 (800x600(56))
- (a) Turn the VR431 mechanical center.
  - (b) Receive a crosshatch pattern (with outside border).
  - (c) Adjust the user control switches (SW01,102,105, and 106) to obtain the following picture size.  
Vertical: approx. 195mm  
Horizontal: approx. 260mm
  - (d) Short SW3 on Adjustment jig. (TP-A ③ and ④)
  - (e) Push MEMORY RECALL SWITCH(SW09) for at least 2 seconds.
  - (f) Release the short.
  - (g) Adjust VR403 so that the vertical lines at left and right edges of the screen are straight.

- (6) Parallelogram distortion . Signal 6 (800x600(56))  
(a) Receive a crosshatch pattern (with outside border).  
(b) Adjust the user control switches(SW07/108) to center the vertical screen position.  
(c) Adjust VR431 to center the horizontal position of the lower screen and the upper screen.
- (7) Trapezoid distortion Signal 6 (800X600(56))  
(a) Receive a crosshatch pattern (with outside border).  
(b) Adjust VR404 so that the lower screen and the upper screen length are equal.  
\* Repeat steps (6) and (7) to obtain the best screen distortion.
- (8) Faint si-de pin adjustment Signal 6 (800x600(56))  
(a) Receive a crosshatch pattern (with outside border).  
(b) If the vertical lines at left and right edges of the screen are not straight, Adjust VR403 again.
- (9) Horizontal Width Signal 12 (EVGA480)  
(a) Receive a crosshatch pattern.  
(b) Adjust the brightness control so that the raster is faintly illuminated..  
(c) Adjust the H POS SWITCHES(SW03/104) to center the horizontal screen position in the raster.if needed.decrease the horizontal size to center the screen position within the raster.  
(d) User the H SIZE SWITCH(SW01) to increase the horizontal screen size to the maximum size.  
(e) Adjust VR503(H SIZE) so that the rightmost and leftmost vertical line of the crosshatch pattern just meet the front beze

NOTE: The interval of the vertical lines should be 38 dots.

**(10) Screen Position, Size, Side Pincushion, Digital control**

**(10-1) Screen position and size** Signal 1, 2, 3, 4, 5, 6, 7, 8, 9

\* Independent adjustments of each signal

- (a) For signals 1 to 9(except signal 6), check that the screen position and size fall within the following limits.

Screen Size Horizontal:  $260\text{mm} \pm 2\text{mm}$   
Vertical :  $195\text{mm} \pm 2\text{mm}$

Screen Position      Space between bezel picture edge  
Top and bottom space difference :  $\pm 2\text{mm}$   
Right and left space difference :  $\pm 2\text{mm}$

If the screen position and/or size dose not fall within the above limits, carry out the following readjustment procedure.

- (b) Receive a crosshatch pattern(with border) of the signal in question.
- (c) Short SW1 and SW2 on adjustment jig. (TP-A ①, ② and ③)
- (d) Adjust the screen position and size to within the limits listed above using the user control switches(SW01-108).
- (e) Push MEMORY RECALL SWITCH(SW09) for at least 2 seconds.
- (f) If more than one signal requires readjustment, repeat steps (b) through (e).
- (g) Release the short.

**(10-2) Side Pincushion** Signal 1, 6, 7, 9

\* Repeat the following procedure for each of the 4 signals.

- (a) Receive a crosshatch pattern.
- (b) Check to if the side pincushion distortion is within  $\pm 1.0\text{mm}$ .  
If readjustment is necessary, carry out the following adjustment procedure starting with step (c).  
If no readjustment is required, check the next signal
- (c) Short SW1 on adjustment jig. (TP-A ① and ③)
- (d) Switch level 2 and check that the user level LED lights.
- (e) Adjust V SIZE DOWN(SW06) and V POS DOWN(SW08) so that the vertical lines on both sides of the screen image are straight.
- (f) Return to level 1.
- (g) Release the short.

**(11) Video Amplitude**

\* Check to make sure the video input signal is set at the following level.

**VIDEO : Analog 0.7Vp-p  $\pm 0.02V$  (75 $\Omega \pm 1\%$  terminal)**

**(11-1) Writing the Color Adjustment Reference Value signal 13 (VGA480 WINDOW)**

- (a) Receive signal.
- (b) Short SW2 on Adjustment jig.(TP-A ② and ③)
- (c) Push MEMORY RECALL SWITCH(SW09) for at least 2 seconds.
- (d) Release the short.

**(11-2) Initial Settings of Adjustment VRs**

VR701~703 GAIN VR : Fully counterclockwise  
VR704~706 BIAS VR : Fully counterclockwise  
VR707~709 SUB BRIGHT VR : Fully counterclockwise  
SCREEN VR : Fully counterclockwise  
VR710 SUB BIAS VR : Fully counterclockwise

**(11-3) Attenuator control voltage**

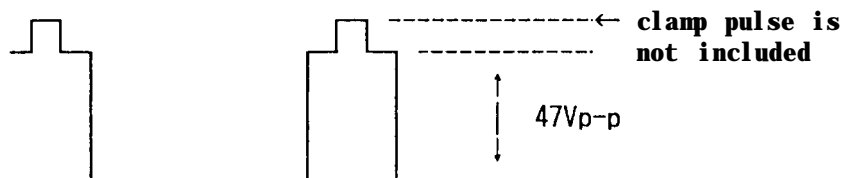
signal 13 (VGA480 WINDOW)

- (a) Receive the window pattern.
- (b) Turn the contrast control fully clockwise.
- (c) Adjust VR854 so that the voltage across TP41 on Adjustment jig (TP-B ① and ②) is 3.00V  $\pm 0.03V$ .

**(11-4) Gain adjustment**

signal 13 (VGA480 WINDOW)

- (a) Receive the window pattern.
- (b) Turn the contrast control fully clockwise.  
Turn the brightness control fully counterclockwise.
- (c) Adjust VR701(R), VR702(G), VR703(B) so that the terminals TP901(R), TP902(G) and TP903(B) on the CRT PWB are each set to 47Vp-p( $\pm 1V$  or less). (Not including the clamp pulse.)  
If it is not possible to obtain a voltage of 47Vp-p, readjust VR854 so that the R, G or B signal having the smallest wave height is set to 47Vp-p. Then adjust the other two color signals to 47Vp-p by turning the GAIN VR counterclockwise.
- (d) After adjusting, check the amplitude of TP901(R), TP902(G) and TP903(B). If the settings are not correct, readjust.



(12) Cut-off adjustment

Signal 3 (VGA480)

- (a) Initial settings of the adjustment VRs
- |                             |                        |
|-----------------------------|------------------------|
| VR704-VR706 BIAS VR :       | Fully counterclockwise |
| VR707-VR709 SUB BRIGHT VR : | Fully counterclockwise |
| SCREEN VR :                 | Fully counterclockwise |
| VR710 SUB BIAS VR :         | Fully counterclockwise |
| CONTRAST CONTROL :          | Fully counterclockwise |
| BRIGHTNESS CONTROL :        | Fully counterclockwise |
- (b) Receive an all-black signal.
- (c) Short CN-TP ①, ②, ③ and ④. (Use CN-TP- on Adjustment jig)  
Short SW45 on Adjustment jig. (TP-B ① and ⑤)
- (d) Connect a high voltage voltmeter to TP904 and adjust the SCREEN VR so that the voltage is 470Vdc  $\pm 5$ Vdc(VMA-2(N),(NT),(H)/VMB-2(N),(NT),(H)/VMR-2(N),(H)) or 665Vdc  $\pm 5$ Vdc(VMA-2(T)/VMB-2(T).  
(Use a voltmeter with a maximum voltage capacity of 1.5kV or greater and an input resistance of 1000M $\Omega$  or greater.)
- (e) Turning VR-710(SUB BIAS VR) gradually in the clockwise direction will cause a signal color to appear **horizontally**. Set the VR so that the color can be faintly seen. This color is the reference color for the cut-off adjustment. Even if the reference color does not appear, proceed to step (f).
- (f) Turn the BIAS VRs(on the VIDEO PWB) for the colors other than the reference color in the clockwise direction until the colors light with same brightness as the reference **color**. If even it the reference color will not appear VR710 turned fully clockwise, turn VR705 clockwise until the green horizontal display appears **faintly**. Use as the reference **color**. Next turn VR704 and VR706 until their corresponding colors light with the same brightness as the reference color.
- (g) Open the short SW45 on Adjustment jig. (TP-B between ① and ⑤)
- NOTE-: White tracking will be best at dark cut-off adjustment settings.  
For the best setting, therefore, perform the cut-off adjustment in as dark a place as possible.

(13) Cut-off Faint Adjustment (Contrast Tracking) signal 13 (VGA480 WINDOW)

- (a) Receive the window pattern.
- (b) Short SW44 on Adjustment jig. (TP-B ① and ⑥)
- (c) Leave CN-TP ①, ②, ③ and ④ short.
- (d) Turn the contrast control fully clockwise(MAX) and measure the color temperature (X1,Y1).
- (e) Turn the contrast control fully counterclockwise(MIN) and measure the color temperature (X2,Y2). **Faintly** adjust the BIAS VRs of the colors other than the cut-off reference color so that (X1,Y1)=(X2,Y2).  
If this adjustment is difficult, try faintly adjusting the BIAS VR of the reference color.
- (f) Turn the contrast control again fully clockwise(MAX) and measure the color temperature. If the color temperature has shifted, repeat the faint adjustment procedure in step (e).  
$$\Delta X = X_1 - X_2 \leq 0.005$$
$$\Delta X = Y_1 - Y_2 \leq 0.005$$
- (g) Remove the short between CN-TP ①, ②, ③ and ④.

**(14) SUB-BRIGHT Adjustment**

Signal 3 (VGA480)

Signal 13 (VGA480 WINDOW)

- (a) Short SW4 on Adjustment jig. (TP-B ① and ⑥)
- (b) Receive an all-black signal of signal 3. Turn the brightness control fully clockwise.
- (c) Adjust VR708 clockwise to obtain  $6cd/m^2 \pm 0.5$  (using an analyzer).
- (d) Receive the window pattern of signal 13. Set  $Y=Y1 \pm 0.005$  using VR709.
- (e) Set  $X=X1 \pm 0.005$  using VR707.
- (f) Repeat steps (d) and (e) until the following settings are achieved.  
 $Y=Y1 \pm 0.005$   
 $X=X1 \pm 0.005$   
(X1 and Y1 are the values measured in step (d) of procedure (13).)
- (g) Remove the short between SW4 on Adjustment jig. (TP-B ① and ⑥)

**(15) Color Mode Color Temperature**

Signal 3 (VGA480)

Signal 13 (VGA480 WINDOW)

- (a) Initial setting of the adjustment VRs.  
CONTRAST control : Fully clockwise  
  
BRIGHT control : Fully counterclockwise  
  
COLOR SW position, : N(leftmost position)
- (b) Receive signal 13.
- (c) Short CN-TP ①, ②, ③ and ④. (Use CN-TP on Adjustment jig)
- (d) Switch to level 2 and confirm that the LED lights.
- (e) Short SW2 on Adjustment jig. (TP-A ② and ③)
- (f) Use the user controls to adjust the color temperature to:  
 $x=0.300 \pm 0.003$   
 $Y=0.305 \pm 0.003$
- (g) Push MEMORY RECALL SWITCH(SW09) for at least 2 seconds.
- (h) Release the short CN-TP ①, ②, ③ and ④.
- (i) Receive an all-black signal of signal 3.
- (j) Turn the brightness control fully clockwise.
- (k) Switch to level 3 and confirm that the LED turns on and off.
- (l) Use the user controls to adjust the color temperature to:  
 $x=0.300 \pm 0.005$   
 $Y=0.305 \pm 0.005$
- (m) Push MEMORY RECALL SWITCH(SW09) for at least 2 seconds.
- (n) Remove the short SW2 on Adjustment jig. (TP-A ② and ③)

**(16) Focus Adjust**

signal 7 (800X600(72))

- (a) Turn the contrast control clockwise.  
Turn the brightness control to the point where the raster just disappears.
- (b) Receive the "\$" character with 4 dots missing.
- (c) Adjust the FBT focus VR to achieve the best focus.

- (17) SET the user switch  
 CONTRAST VR : Fully clockwise  
 BRIGHTNESS VR : Fully clockwise  
 COLOR SW : Left most position (position "N")  
 SYNC : Left side (OFF)

- (18) Adjustment Signal and Timing  
 Adjustment signals and Timing (Nos.1-9 : Preset signals)

No.	Signal	SYNC	Sync horizontal	Polarity vertical	
1	VGA 350	SEPARATE	positive	negative	
2	VGA 400	SEPARATE	negative	positive	
3	VGA 480	SEPARATE	negative	negative	
4	8514A	SEPARATE	positive	positive	inter less
5	MAC-II	SYNC ON GREEN	negative	negative	1 1
6	800x600(56)	SEPARATE	positive	positive	The sync polarity can also be negative
7	800x600(72)	SEPARATE	positive	positive	
8	MAC-II(74)	SYNC ON GREEN	negative	negative	※ 1
9	1024x768(70)	SEPARATE	negative	negative	
10	1024x768(76)	SEPARATE	positive	positive	
11	HV ADJ	SEPARATE			Fh=42.5KHz/Fv=70Hz
12	EVGA480	SEPARATE	negative	negative	
13	WINDOW(VGA480)	SEPARATE	negative	negative	※ 2
14	27kHz(55)	SEPARATE	positive	negative	Fh=27kHz FV=55kHz
15	62kHz(90)	SEPARATE	negative	positive	Fh=62kHz FV=90kHz

\*1 When SYNC On GREEN output, simultaneously output a COMPOSITE SYNC signal to the H SYNC line. V SYNC connect to ground. COMPOSITE SYNC polarity is NEG/NEG. (SERRATION is ON(IH))

\*2 Video Horizontal size 1/8 of width  
 Vertical size 1/4 of height

\*3 Crosshatch Vertical lines:17  
 Horizontal lines:13

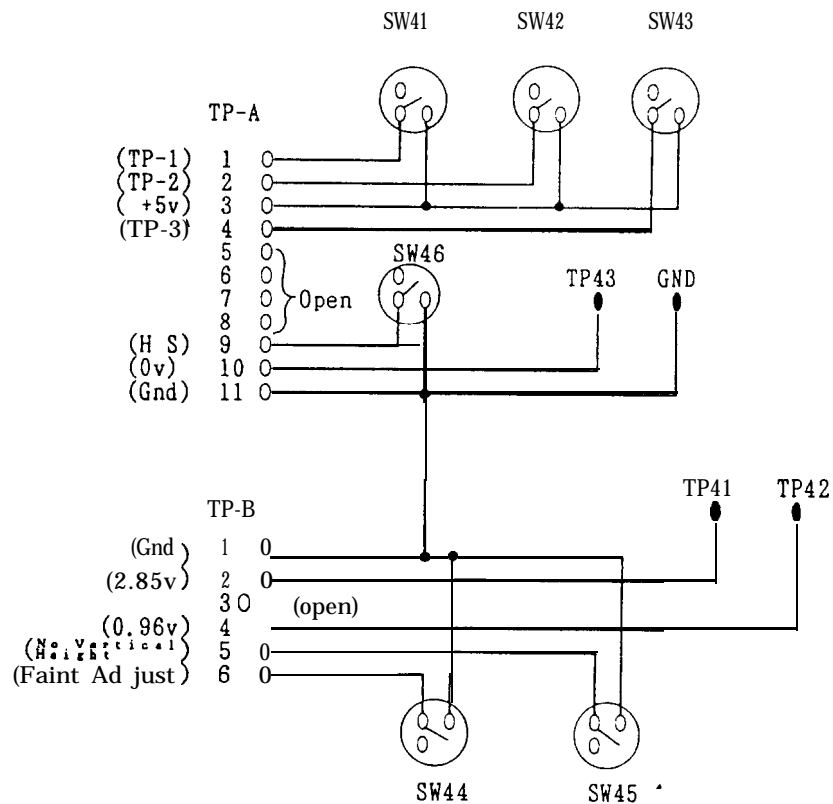
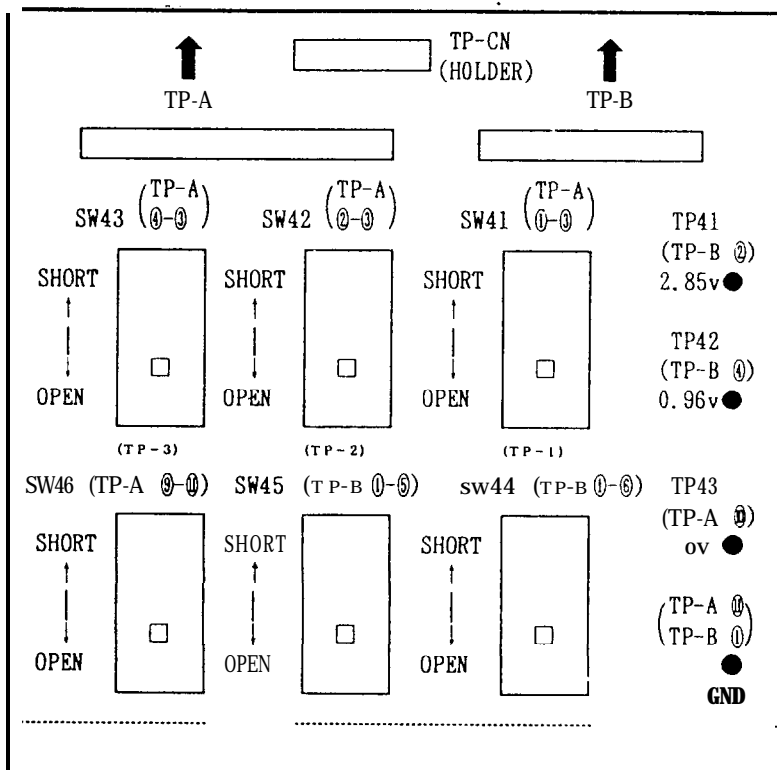
\*4 If the condition of the signal generator makes it impossible to output signals with an Fh of exactly 27.00kHz 56kHz, use the following

27kHz : Largest value  $\leq$  27.00kHz (EX: 26.99)

62kHz : Smallest value  $\geq$  62.00kHz (EX:62.01)

Connect to TP-A on  
MAIN PWB of 4FG and 4FCe.

Connect to TP-B on  
MAIN FWB of 4FG and 4FCe.

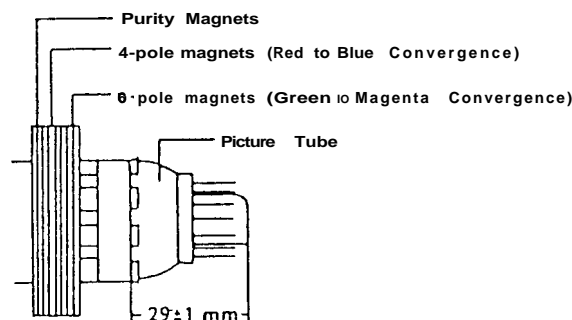


For 4FG/4FCe

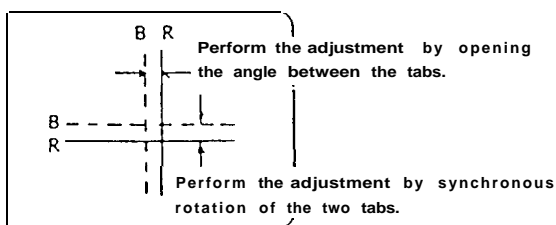
Adjustment jig Schematic Diagram

## Purity Adjustment

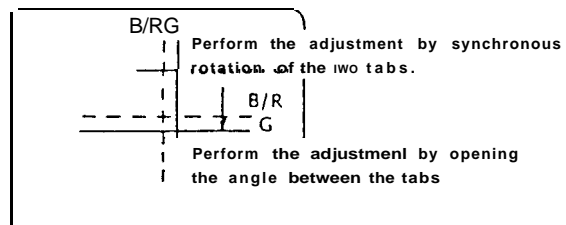
- (1) Be sure that the display is not being exposed to any external magnetic fields.
- (2) Ensure that the spacing between the Purity Convergence Magnet (PCM) assembly and the CRT stem is  $29 \pm 1$  mm. (See diagrams below)
- (3) Produce a complete, red pattern on the screen. Adjust the purity magnet 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  $180^\circ$ .
- (4) Check the complete blue and complete green patterns to observe their respective color purity. Make minor adjustments if needed.



Purity, Convergence Magnet Assembly (PCM)



Red to Blue Convergence  
(Magenta)



:Green to Magenta Convergence  
(White)

## Convergence Adjustment

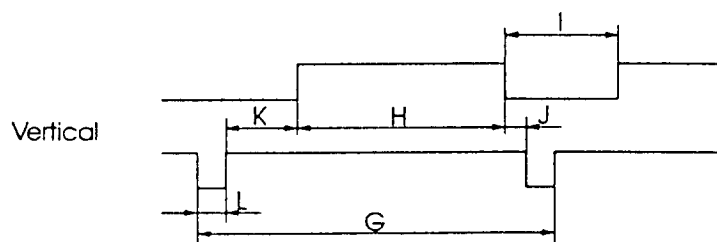
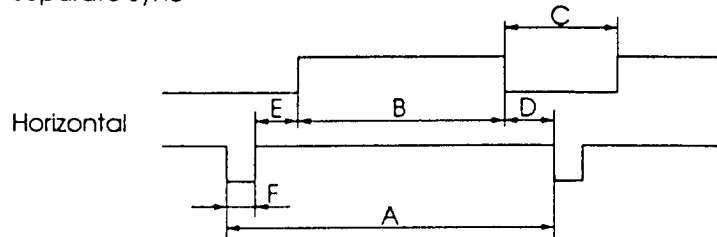
- (1) Produce a magenta crosshatch on the screen.
- (2) Adjust the focus for the best overall focus on the screen. Also adjust the brightness to the desired condition.
- (3) Vertical red and blue lines are converged by varying the angle between the two tabs of the 4-pole magnets on the PCM assembly.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

## SIGNAL TIMING

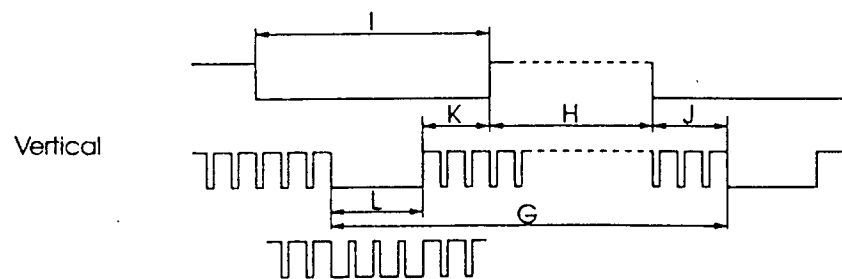
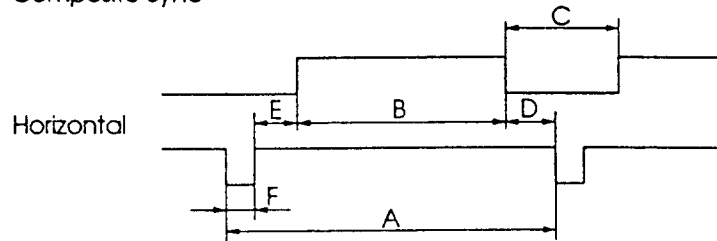
PROG NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ADJ PRE-SET	⊙	⊙	⊙	⊙	⊙		⊙	⊙	⊙						
CAL PRE-SET						⊙				⊙		⊙			
SIGNAL NAME	VGA350	VGA400	VGA480	XGA (8514A)	MAC11	800*600 (56)	800*600 (72)	MAC11 832*624	1024*763 (70)	1024*786 (76)	42.5kHz	EVGA480 (72)	VGA480	27kHz	62kHz
f <sub>h</sub> (kHz)	31.47	31.47	31.47	35.52	35	35.16	48.09	49.725	56.476	60.975	42.5	37.86	31.47	27.00	62.00
H-TOTAL (us) (DOTS)	31.78 900	31.78 900	31.78 900	28.15 1264	28.57 864	28.44 1024	20.79 1040	20.11 1152	17.707 1328	16.4 1312	23.53	26.413 832	31.78 900	37.04	16.13
H-SYNC (us) (DOTS)	3.81 108	3.81 108	3.81 108	3.92 176	2.12 64	2 72	2.399 120	1.12 64	1.813 136	1.2 96	2.715	1.27 40	3.81 108	4.4	1.2
H-BACK (us) (DOTS)	1.91 54	1.91 54	1.91 54	1.25 56	3.17 96	3.56 128	1.279 64	3.91 224	1.92 144	2.1 168	1.448	4.603 128	1.91 54	2.2	2.1
H-DISP (us) (DOTS)	25.42 720	25.42 720	25.42 720	22.8 1024	21.16 640	22.22 800	15.995 800	14.52 832	13.653 1024	12.8 1024	18.1	20.317 640	25.42 720	29.63	12.58
H-FRONT (us) (DOTS)	0.64 18	0.64 18	0.64 18	0.18 8	2.12 64	0.67 24	1.119 56	0.559 32	0.32 24	0.3 24	1.26	0.762 24	0.64 18	0.81	0.24
f <sub>v</sub> (Hz)	70.09	70.09	59.94	86.96	66.67	56.25	72.01	74.55	70.069	76.029	70	72.809	59.94	55.0	90.0
V-TOTAL (ms) (LINE)	14.27 449	14.27 449	16.68 525	11.5 408.5	15 525	17.78 625	13.887 666	13.41 667	14.272 806	13.153 802	14.29 607	13.735 520	16.68 525	18.18 491	11.11 689
V-SYNC (ms) (LINE)	0.06 2	0.06 2	0.06 2	0.113 4	0.09 3	0.06 2	0.124 6	0.06 3	0.106 6	0.033 2	0.141 6	0.079 3	0.06 2	0.07 2	0.097 6
V-BACK (ms) (LINE)	1.91 60	1.11 35	1.05 33	0.563 /0.5 20 /20	1.11 39	0.63 22	0.479 23	0.78 39	0.513 29	0.525 32	0.54	0.74 28	1.05 33	1.29 35	0.484 30
V-DISP (ms) (LINE)	11.12 350	12.71 400	15.25 480	10.81 384	13.71 480	17.07 600	12.51 600	12.55 624	13.599 768	12.595 768	12.95 550	12.68 480	15.25 480	14.81 400	10 620
V-FRONT (ms) (LINE)	1.18 37	0.38 12	0.32 10	0 /0.014 0 /0.5	0.09 3	0.03 1	0.772 37	0.02 1	0.053 3	0 0	0.66	0.238 72	0.32 10	2.01	0.529
CLOCK (MHz)					30.24		50	57.283	75	80		31.5			
	SEPARATE	SEPARATE	SEPARATE	SEPARATE	COMPOSIT	SEPARATE	SEPARATE	COMPOSIT	SEPARATE	SEPARATE	SEPARATE	SEPARATE	SEPARATE	SEPARATE	SEPARATE
				INTER LACED	SYNC ON GREEN			SYNC ON GREEN					WINDOW PATTARN		
H SYNC	POS	NEG	NEG	POS	NEG	POS	POS	NEG	NEG	POS	NEG	NEG	NEG	POS	NEG
V SYNC	NEG	POS	NEG	POS	NEG	POS	POS	NEG	NEG	POS	NEG	NEG	NEG	NEG	POS

# Timing Charts

Separate Sync



Composite Sync



# Timing of Reference Signals

Signal for Using LVG-1603

Abbreviation		Unit	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			VGA 350	VGA 400	VGA 480	8514A	MAC I	800x600 (56)	800x600 (72)	MAC I 832x624	1024x768 (70)	1024x768 (76)	27kHz	42.5kHz	VGA480 WINDOW	640x480 (72)	62kHz
H O R I Z O N T A L	Total	DOT	0800	0900	0800	1264	0864	1024	1040	1152	1062	0983	0900	0900	0900	0832	0967
	Rate	kHz	031470	031470	031470	035520	035000	035160	048100	049725	056476	060980	027000	042500	031466	037860	062000
	Dots/Character	DOT	08	09	08	08	08	08	08	08	08	08	08	08	08	08	08
	characters	CHR	F080	F080	F080	F128	F080	F100	F100	F104	F102	F096	F087	F086	F018	F080	F094
	Drive Delay	DOT	0656	0738	0656	1032	0704	0824	0856	0864	0838	0785	0700	0740	0450	0664	0766
	Drive Width	DOT	0096	0108	0096	0176	0064	0072	0120	0064	0109	0072	0093	0104	0108	0040	0072
V E R T I C A L	Total	RASTER	0449	0449	0524	0409	0525	0625	0668	0667	0806	0802	0491	0900	0525	0520	0689
	Rate	Hz	070000	070000	060000	087000	066700	056200	072006	074550	070064	076029	054990	070016	059935	072808	090000
	Lines/Character	RASTER	14	16	16	12	16	15	12	12	10	10	10	10	16	10	10
	Rows	RASTER	0350	0400	0480	0384	0480	0600	0602	0624	0768	0768	0400	0550	0120	0480	0620
	Drive Delay	RASTER	0387	0412	0489	0384	0483	0601	0639	0625	0771	0768	0454	0578	0310	0489	0653
	Drive Width	RASTER	0002	0002	0002	0004	0003	0002	0006	0003	0006	0002	0002	0006	0002	0003	0006
DOT RATE		MHz	025175	028323	025175	044897	030240	036004	050024	057283	059978	059943	024300	038250	028319	031500	059777
Scan Mode			F0	F0	F0	F1	F0	F0	F0	F0	F0	F0	F0	F0	F0	F0	F0
Character Font			F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1
Character Code			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pattern Key code			F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
Video Output			1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110
Add Sync/Inverse			0001	0001	0001	0001	0101	0001	0001	0101	0001	0001	0001	0001	0101	0001	0001
Dot Duty			00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Polarity			10	01	00	11	00	11	11	00	00	11	10	00	00	00	01

Timing of References Signals  
Signal for Quantum 801C

	'01	'02	'03	'04	'05
	VGA350	VGA400	VGA480	8514/A	MAC I
Dot Rate (MHz)	25.175	28.320	27.175	31.968	30.240
Horizontal Rate (kHz)	31.470	31.467	31.467	35.520	35.000
vertical Rate (Hz)	70.08	70.08	60.06	86.96	66.67
H Dots/Char	8	9	8	9	8
H Total	100	100	100	100	108
H chracters	80	80	80	81	80
H Drive Delay	82	82	82	82	88
H Drive Width	12	12	12	14	8
V Lines/Char	10	10	10	12	10
V Total	449	449	524	817	525
V Rows	35	40	48	64	48
V Drive Delay	39	41	49	64	48
V Drive Width	2	2	2	4	3
V Step Width	2	2	2	2	2
OP 1. (Comp Sync)	0	0	0	0	0
OP 2. (V Step)	0	0	0	0	0
OP 3. (H Drive)	1	1	1	1	1
OP 4. (V Drive)	1	1	1	1	1
OP 5. (Comp Sync P)					
OP 6. (V Step P)	0	0	0	0	0
OP 7. (H Drive P)	0	1	1	0	1
OP 8. (V Drive P)	1	0	1	0	1
OP 9. (Interrace)	0	0	0	3	0
OP 10. (Video Mode)	1	1	1	1	1
OP 11. (Duty Cycle)	0	0	0	0	0
OP 12. (Clock Phase)	0	0	0	0	0
OP 13. (Video P)	0	0	0	0	0
OP 14. (H Skew)					
OP 15. (V Skew)					
OP 16. (Cursor)					

'06	'07	'08	'09	'10	'11
SVGA56	SVGA72	MAC I(832x624)	10x7(72)	1024x768(76)	27kHz
31.960	32.016	28.639	30.936	26.785	24.304
35.160	48.072	49.725	56.659	60.980	27.004
56.26	78.18	74.550	70.04	76.029	55.00
9	9	8	6	8	9
101	74	72	91	55	100
79	57	52	70	43	80
81	61	54	77	44	a2
7	9	4	6	4	12
10	12	12	8	12	10
625	666	667	809	802	491
60	50	52	96	64	40
60	53	52	96	64	45
2	6	3	2	2	5
2	2	2	2	2	2
0	0	1	0	0	0
0	0	0	0	0	0
1	1	1	1	1	1
1	1	1	1	1	1
0	0	0	0	0	0
0	0	1	1	0	1
0	0	1	1	0	1
0	0	0	0	0	0
1	1	1	0	1	1
0	0	0	1	0	0
0	0	0	0	0	0
0	0	0	0	0	0

' 12	' 13	' 14	' 15
42. 5kHz	WINDOW	EVGA480	62kHz
31.952	28.320	31.496	30.752
42.489	31.467	37.856	62.000
70.00	60.06	72.80	90.000
8	9	8	8
94	100	104	62
72	32	80	48
77	58	83	50
11	12	5	
10	10	12	10
607	524	520	689
55	18	40	62
58	34	41	65
6	2	3	6
2	2	2	2
0	0	0	0
0	0	0	0
1	1	1	1
1	1	1	1
0	0	0	0
1	1	1	1
1	1	1	0
0	0	0	0
1	1	1	1
0	0	0	0
0	0	0	0
0	0	0	0

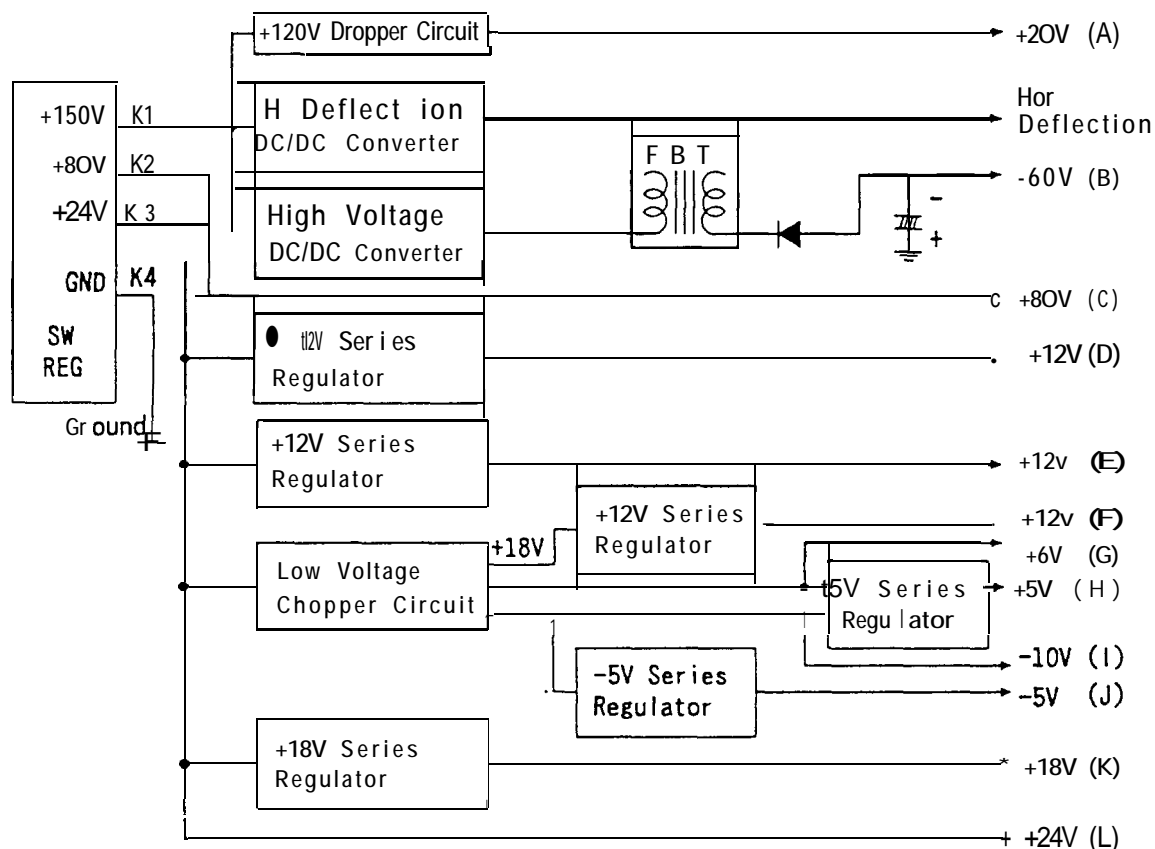
# CIRCUIT DESCRIPTION

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# CIRCUIT DESCRIPTION

## 1. Power Supply Circuit



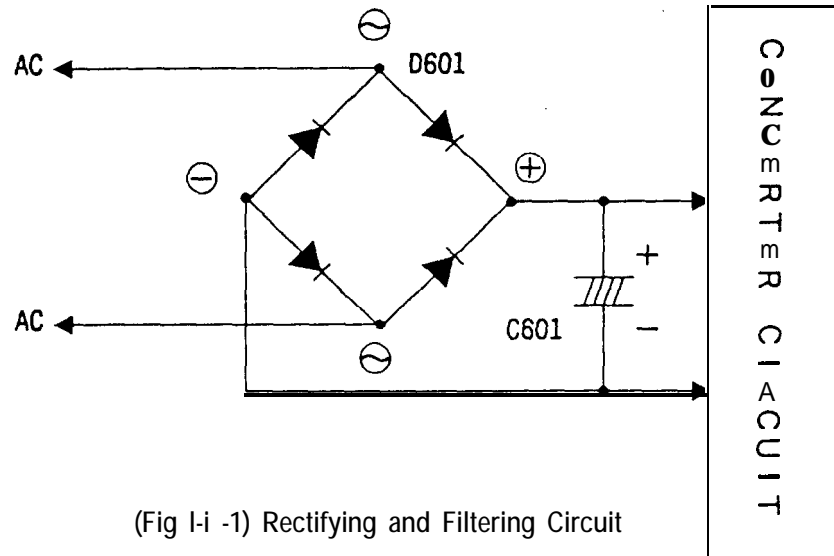
(Fig I-I) BLOCK DIAGRAM of the 4FGe's Power Supply

- |             |   |
|-------------|---|
| (A) +120V 3 | BRIGHTNESS AND CUT-OFF CONTROL  |
| (B) -60V 3  | SUB-BIAS CONTROL  |
| (C) +80V 3  | VIDEO OUTPUT AMPLIFIER  |
| (D) +12V 3  | D/A STARTUP CIRCUITS AND BRIGHTNESS/CONTRAST CONTROL D/A and OP-AMP IC SUPPLY VOLTAGE   |
| (E) +12V 3  | HORIZONTAL OSCILLATION UNIT and POWER INDICATOR LED's   |
| (F) +12V 3  | VIDEO BOARD OP-AMP SUPPLY, VIDEO PRE-AMPLIFIER SUPPLY, and VERTICAL DEFLECTION OUTPUT SUPPLY  |
| (G) +6V 3   | CRT HEATER, and LOW +B PROTECTOR VOLTAGE  |
| (H) +5V 3   | CPU, E'PROM, and MULTIPLIER. D/A IC SUPPLY VOLTAGE  |
| (I) -10V 3  | DISTORTION ADJUST UNIT.   |
| (J) -5V 3   | ANALOG MASTER OP-AMP and D/A OP-AMP OUTPUT SUPPLY VOLTAGE   |
| (K) +18V 3  | DISTORTION ADJUST UNIT, and ANALOG MASTER SUPPLY VOLTAGE, and H OSC UNIT  |
| (L) +24V 3  | VERTICAL DEFLECTION SUPPLY, <b>HORIZONTAL</b> OSCILLATION UNIT HIGH VOLTAGE PROTECTOR UNIT, DISTORTION ADJUST UNIT and ANALOG MASTER SUPPLY VOLTAGE |

## I-1. Switching regulator unit

### (a) Rectifying and-filtering circuit

AC input is rectified by D601. Then, it is filtered by C601. The resulting DC voltage is supplied to the converter circuit.

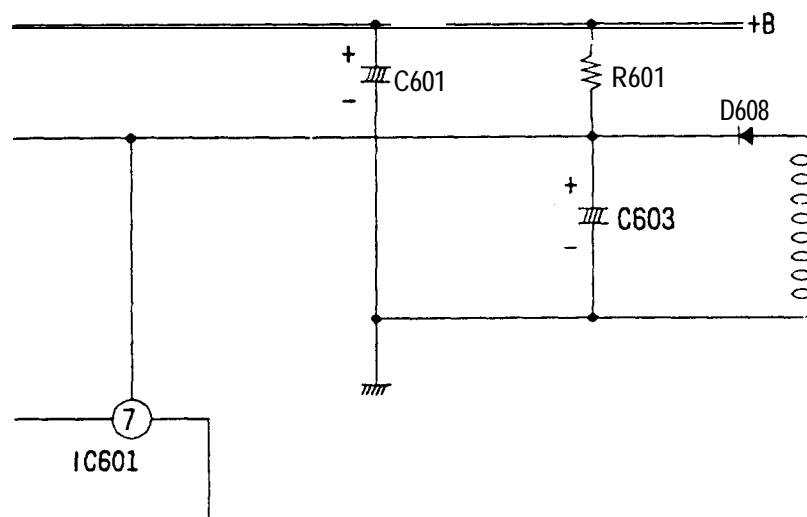


(Fig I-1 -1) Rectifying and Filtering Circuit

### (b) Auxiliary power supply circuit

The auxiliary power supply circuit is needed to activate IC601. At the time when the power is turned on, the charging current flows into the capacitors C603 via R601. Oscillation starts when the voltage of IC601 pin ⑦ reaches 16V by this charging operation.

After the start of oscillation, the flyback voltage of the auxiliary winding for the switching transformer is rectified and filtered by D608 and C603. The resulting DC voltage is supplied to IC601.

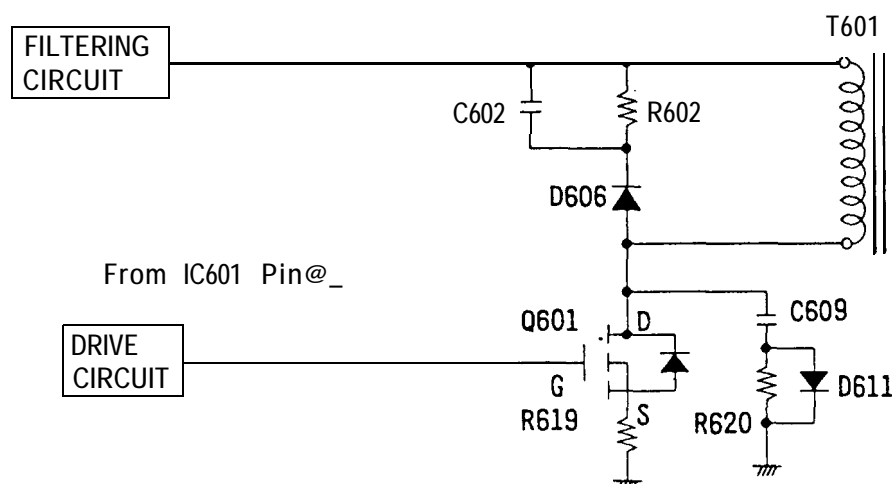


(Fig I-1 -2) Auxiliary Power Supply Circuit

### (c) Converter circuit

The converter circuit consists of the primary winding of the switching transformer T601, a switching device Q601, and surge absorbers (C602, R602, C609, R620, D606, and D611) that are connected to the primary winding.

The oscillating signal from IC601 pin ⑥ is applied to the gate of Q601 causing the drain-source to be turned OFF and ON so that the oscillating voltage is applied to the primary winding of T601.

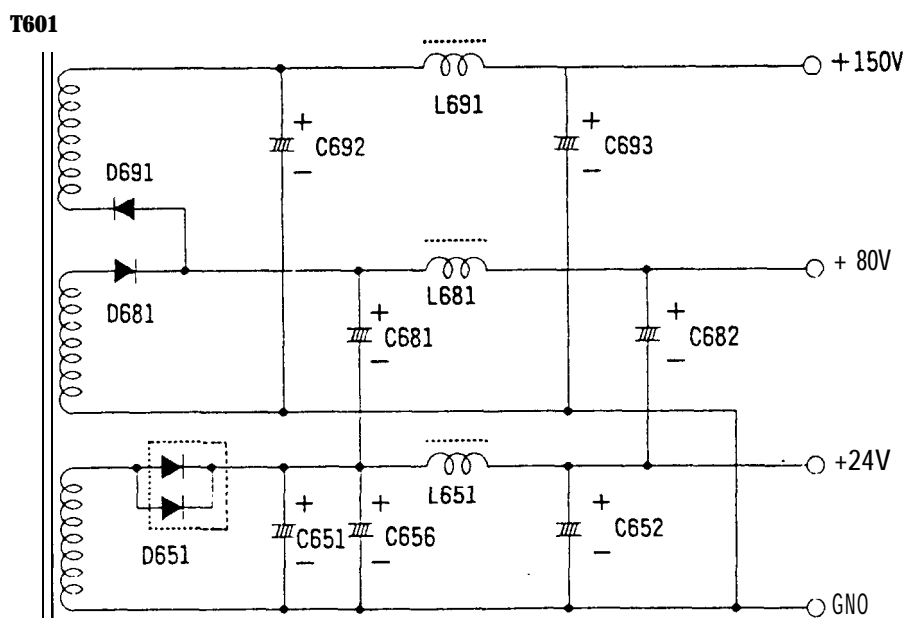


(Fig I-1-3) Converter Circuit

### (d) Output rectifying circuit

The flyback voltages generated at the secondary windings of the switching transformer T601 are rectified by D651, D681, and D691. Then, these voltages are filtered by C692, C693, C651, C652, C656, C681, and C682 so that rectified DC voltages are obtained.

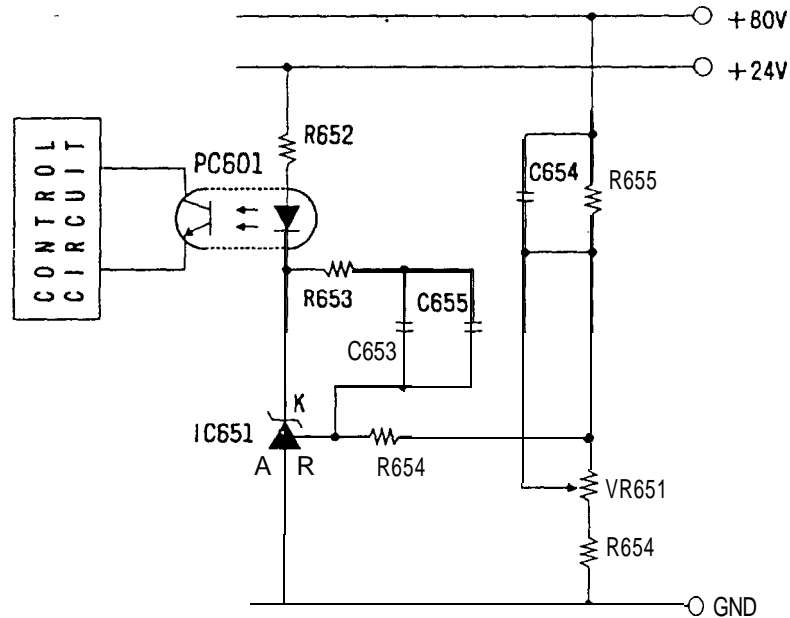
Constant flyback voltages are maintained by controlling the duty cycle of Q601 in the converter circuit.



(Fig I-1 -4) Output rectifying Circuit

(e) **Error detection amplifier circuit**

The output voltage 80V is divided by the network resistors. This divided voltage is compared to the reference voltage at the error amplifier IC651. An error signal is applied to the control circuit via the photocoupler PC601.



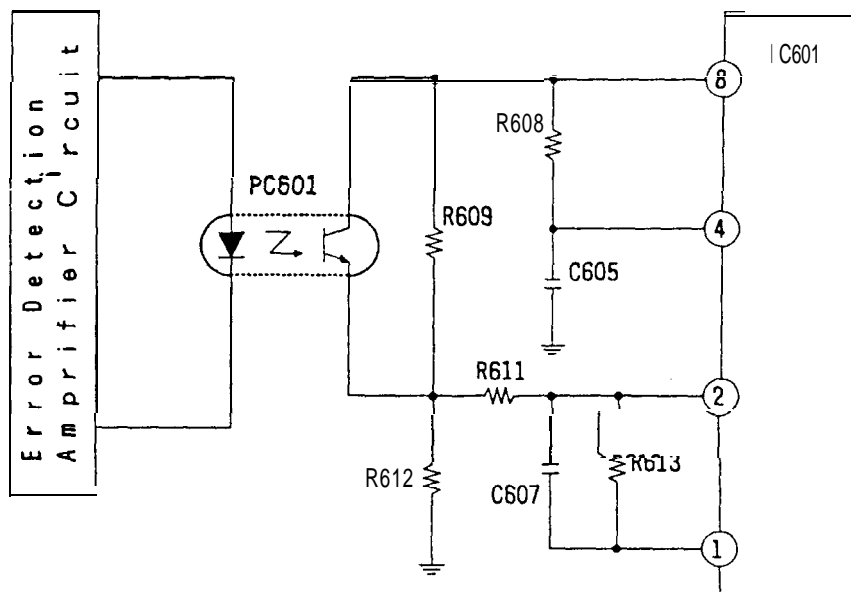
(Fig I-I-5) Error Detection Amplifier Circuit

(f) **Oscillating and control circuit**

The oscillating, control, and drive circuits are contained in IC601.

IC601 has a built-in oscillator whose frequency is determined by R608, and C605 connected to pin ④ and pin ⑧ respectively.

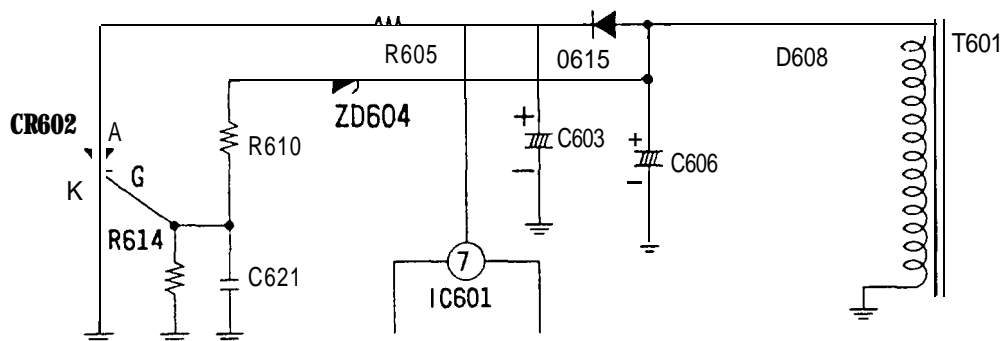
The output of the error detection amplifier circuit is fed back to the control circuit pin ② from pin ⑧ via PC601 to control the duty cycle of Q601 so that output voltages are kept constant.



(Fig I-I-6) Oscillating and Control Circuits

(g) Overvoltage Protection

If a failure occurs and the output voltage on the secondary winding rises, the voltages of the auxiliary winding will also rise proportionally. When the auxiliary windings voltage rises beyond the zener voltage of ZD604, CR602 will turn ON. This in turn will decrease the voltages at pin ⑦ of IC601 causing the oscillator within IC601 to stop.



(Fig 2-I -7) Over Voltage Protection

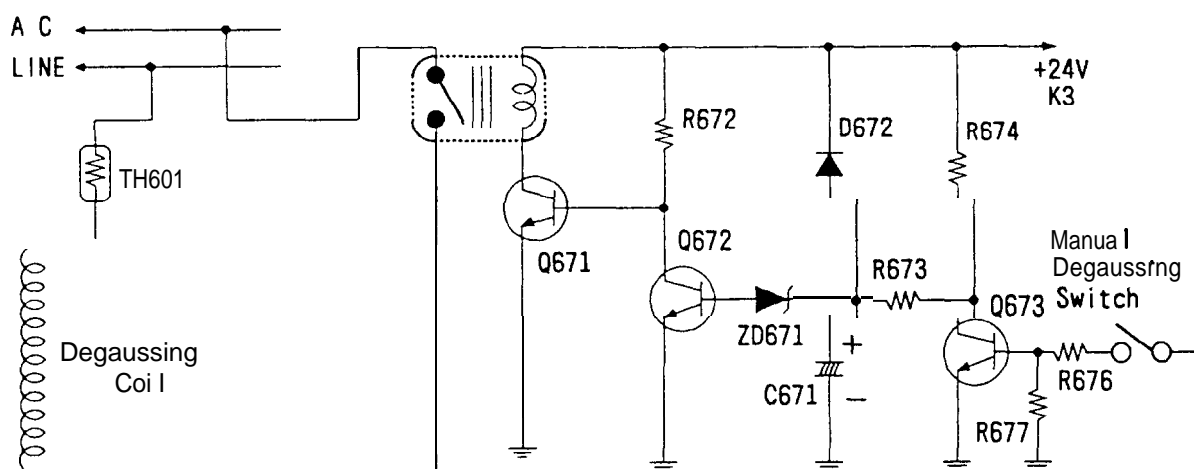
(h) Auto and Manual Degaussing circuit

1) Auto Degaussing Circuit

When the unit is turned ON. The +24V DC output at K3 rises. This will cause 0671 to turn ON. The ON period for this transistor is determined by R673, ZD671, R674, and C671 (approx. 2 seconds). When 0671 is ON, current will flow through the Degaussing Coil

2) Manual Degaussing Circuit

When the Degauss Switch is turned ON, 0673 conducts thereby discharging C671, When C671 is discharged, Q671 will turn on again.



(Fig I-I -8) Auto and Manual Degaussing Circuit

## 1-2. H V Voltage Circuit

H V generator circuit (Fig 1-2-1)

H V generator circuit is composed on Q515, C530, C531, and FBT T503. This circuit generates the flyback pulse. This pulse level is 450-550Vp-p. This flyback pulse is boosted up to the high voltage (24 KV) by FBT. The High voltage is supplied to the anode of CRT from FBT.

H V drive circuit (Fig 1-2-2)

This circuit generates the drive pulse for FET Q515 in H V generator circuit. The input of IC501 (pin ④) is supplied a trigger pulse from T502 of H deflection circuit. IC501 outputs the drive pulse of FET Q515, and Toff (See Fig 1-2-3) of IC501 output pulse is decided 10μS by R530 and C528. The output pulse of IC501 is supplied through emitter follower Q553, AC coupling capacitor C529 and buffer amp of Q513, and Q514 to FET Q515.

H V generator or DC/DC converter circuit (Fig 1-2-1)

This DC/DC converter circuit is composed of a step down chopper, FET drive and control circuit.

This chopper circuit is composed of L507, D518 and C539. This circuit supplies DC voltage of 35-1 20V to FBT for H V regulation.

The relationship between output DC voltage of chopper circuit and horizontal frequency is shown in Fig 1-2-6

The FET drive circuit is composed of the buffer circuit of Q520, 0521, R571 and level shift circuit of R544, C537, R545, R582, D517, ZD507.

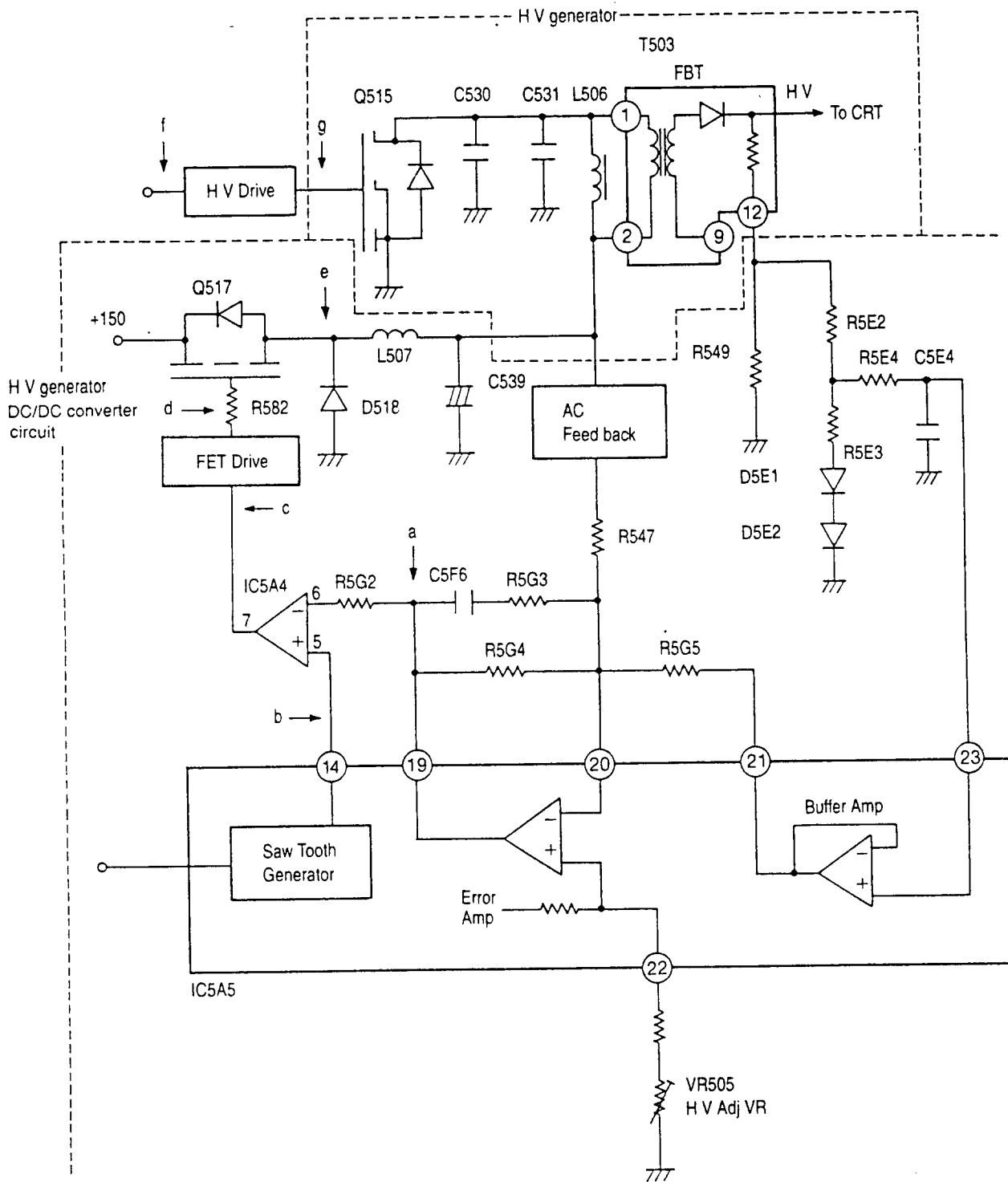
The DC level of the output pulse from the control circuit (pin ⑦ of IC5A4) is shifted and is supplied to FET Q517 by this circuit. (See Fig 1-2-4)

This control voltage is a negative feedback circuit and supplies PWM (Pulse Width Modulation) pulse through FET drive circuit to FET Q517.

High voltage output is divided by resistors of R549, R5E2, R5E3, and 450M ohm resistor in FBT.

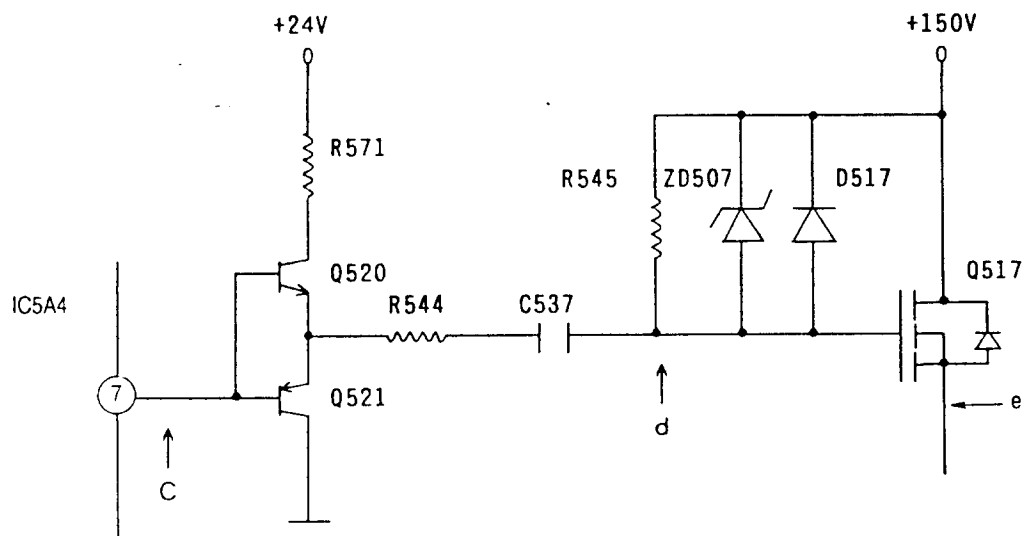
This divided voltage is supplied to the buffer amp and to the error amp.

The output voltage of the error amp is supplied to PWM circuit of IC5A4 and IC5A4 supplies PWM pulse through FET drive circuit to FET Q517.

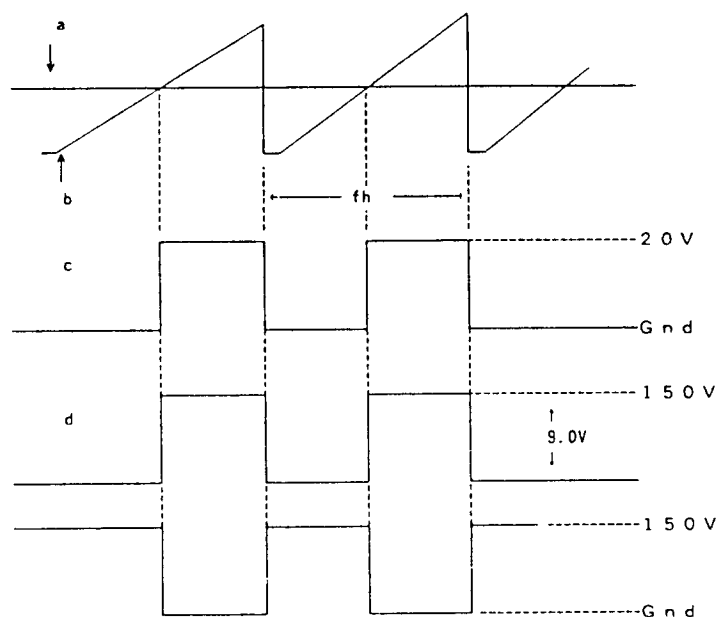


(Fig 1-2-1) H V generator or DC/DC converter circuit





(Fig 1-2-4) FET Drive Circuit



(Fig 1-2-5)



(Fig 1-2-6) Relationship of the Horizontal frequency and the F B T's DC Supply Voltage

### 1-3. DC/DC converter for H deflection circuit

This circuit supplies DC voltages to H deflection circuit and controls H size and side-pin cushion correction by this output voltage.

This DC/DC converter circuit is composed of a step down chopper circuit type, FET drive circuit and control circuit.

This chopper circuit is composed of Q510, L504, L505, D508, C521, and C522.

This circuit supplied DC voltage of 35-120V to the H deflection circuit. The output voltage level is in proportion to H size and horizontal frequency.

The relationship between output DC voltage of the chopper circuit and horizontal frequency is shown in Fig I-3-4.

The FET drive circuit is composed of the buffer circuit of 0518, Q519, R570 and level shift circuit of R522, R523, C520, D506, D507, and ZD503. The DC level of the output pulse from the control circuit pin ① of IC5A4 is shifted and is supplied to FET Q510 by this circuit. (Fig 1-3-2)

The control circuit is a negative feedback circuit and supplies PWM (Pulse Width Modulation) pulse through FET drive circuit to FET Q510.

The output pulse of T502 is clamped by C526, D510 and is rectified by D511 and C527.

The value of this rectified voltage is same as the crest value of T502 output pulse.

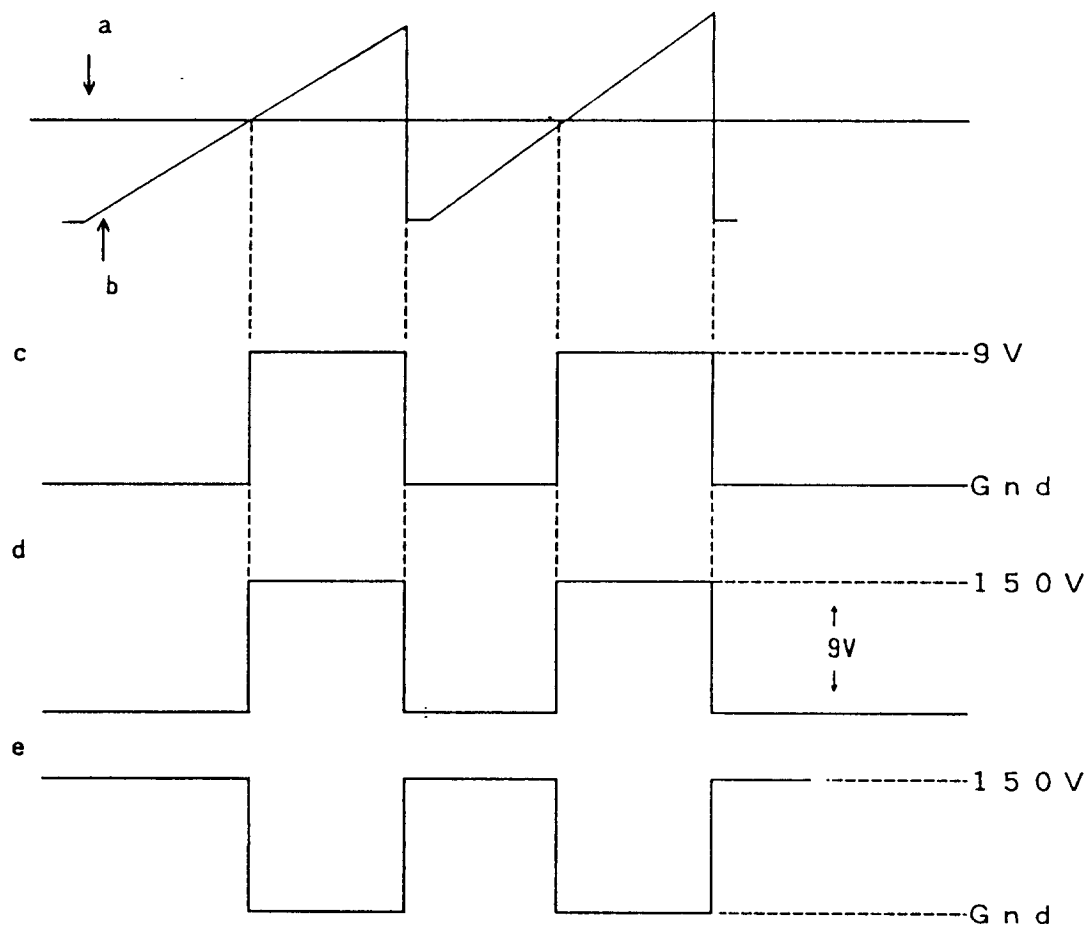
This rectified voltage is divided by R527, R528, D523, VR503 (H SIZE VR) and is supplied through buffer amp to the error amp in IC5A5. H size control voltage and sidepin cushion signal is supplies to the negative input of error amp.

The output voltage of the error amp is modulated.

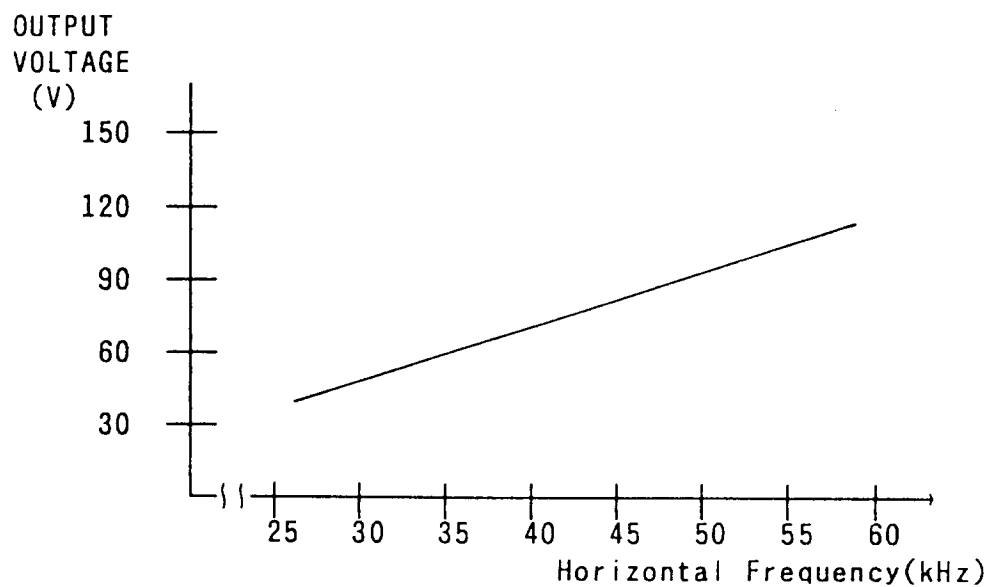
The output voltage of the error amp is supplied to PWM circuit of IC5A4.

The output of error amp is converted to PWM pulse by IC5A4 and the PWM pulse of IC5A4 output is supplied through FET drive circuit to FET Q510.





(Fig 1-3-3)



(Fig 1-3-4) Relationship of the Horizontal frequency and the horizontal deflection's DC Supply Voltage

## 1-4. Low voltage chopper regulator circuit

The low voltage chopper regulator circuit is PWM controlled and synchronized with the H deflection DC/DC converter output of the DC/DC converter.

The pulse duty is determined by comparing the saw tooth waveform and the feedback voltage through error amp of IC5A4 with a comparator of IC5A3. This feedback circuit is automatically controlled and generates constant and stable output voltage.

If the H OSC operation stops, the output voltage will become low. The output voltage of 6V line is limited by low +B protector.

This circuit generates 6V power supply from the pulse of T551's primary winding and 5V power supply from the 6V power supply by using 3 terminal regulator of IC864. By using the pulse induced in the secondary windings, 12V, -10V, -5V and horizontal raster centering power supply can be obtained.

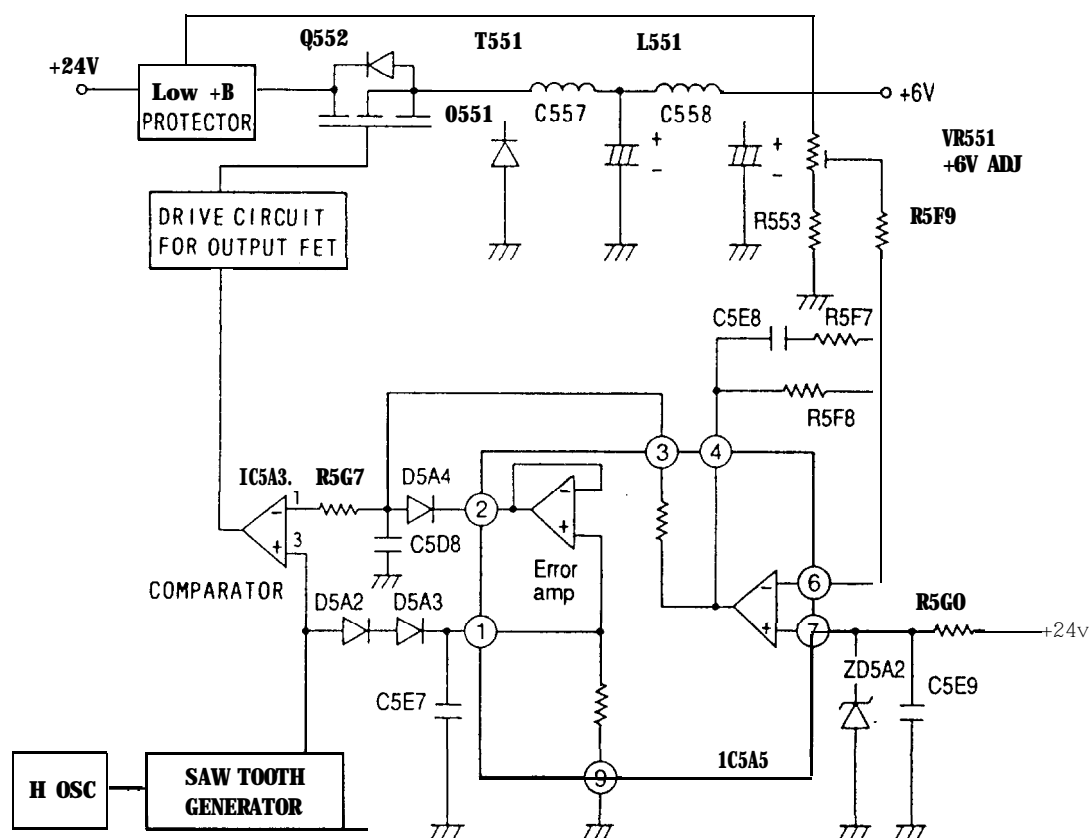
As for 12V power supply, it is obtained as below.

After adding the pulse induced between pin ⑥-⑦ of T551 and the generated +6V, it is rectified by D553 and C561.

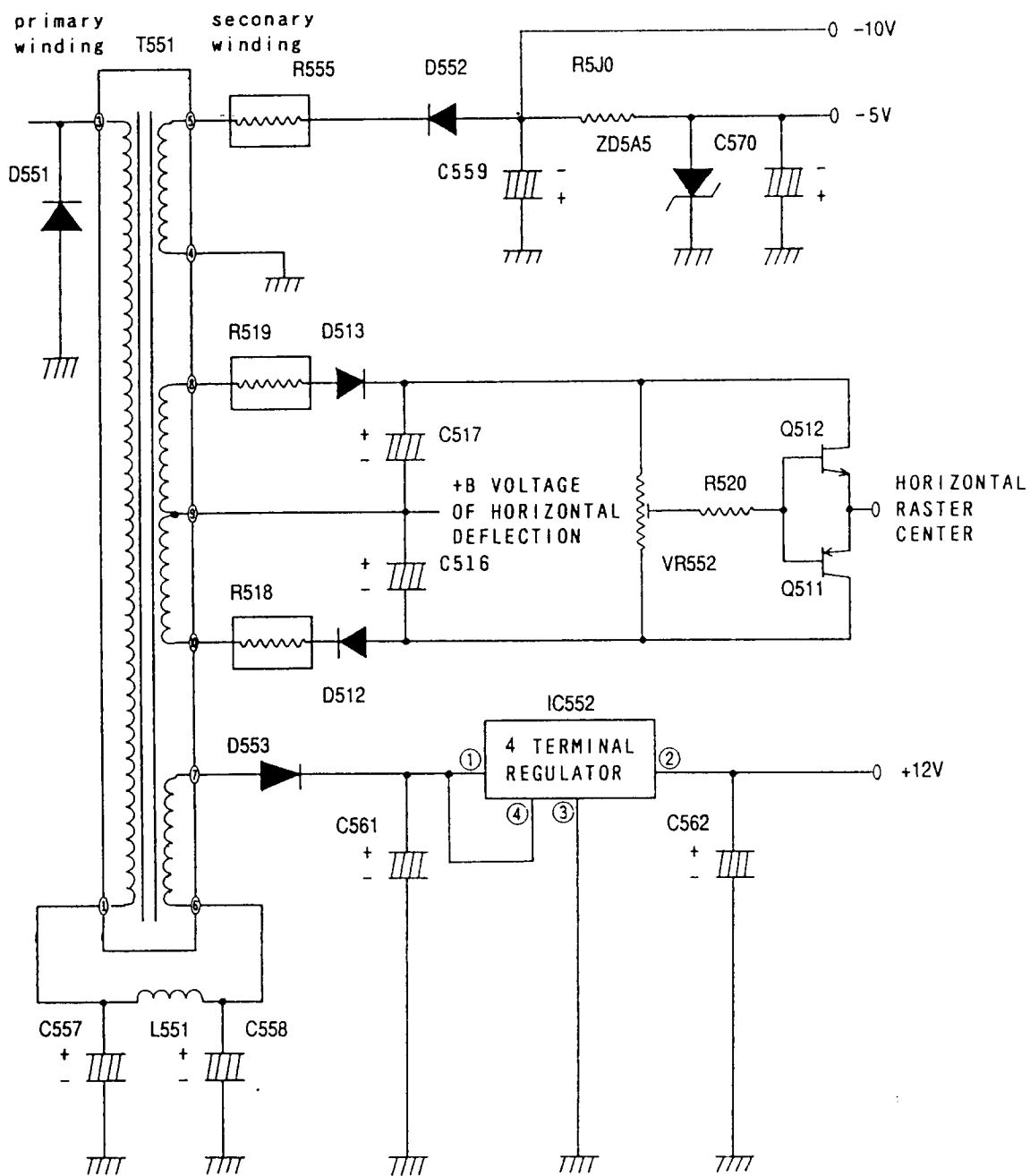
Then the rectified voltage of 13V or a little more voltage is obtained. 12V power supply is obtained from this voltage by using 12V 4 terminal regulator of IC552.

As for -10V power supply, it is obtained by rectifying the voltage induced between pin ④-⑤ of T551 by D552 and C559. As for -5V power supply, it is obtained by using zener diode and as for horizontal raster centering power supply, it is obtained by rectifying the voltage of pin ⑧ and pin ⑩ with their middle point (pin ⑨) connected to the +B voltage of horizontal deflection.

The voltage of pin ⑧ is rectified by Q513 and C517. The voltage of pin ⑩ is rectified by D512 and C516.



(Fig 1-4-1) BLOCK-DIAGRAM of the Low Voltage Chopper Regulator



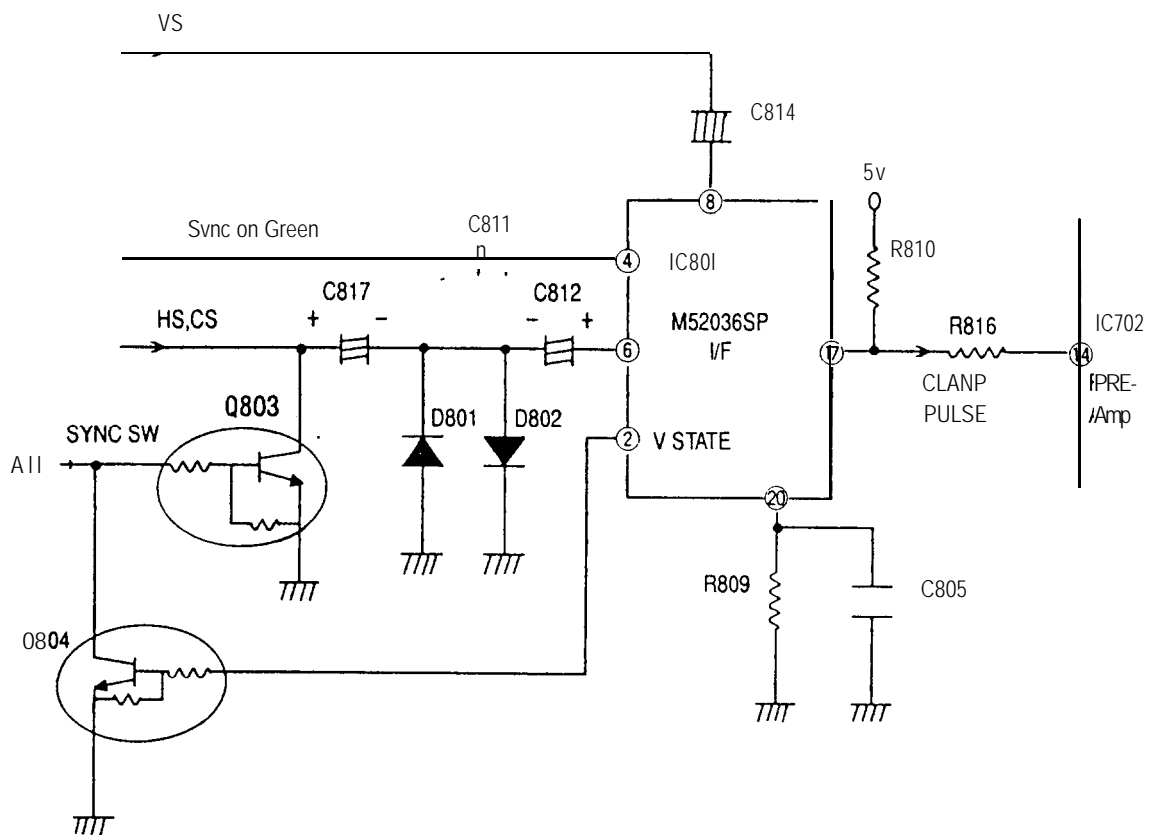
(Fig 1-4-2) -10V, -5V, +12V and Horizontal Raster Centering power supply Circuit



## 2-2. SYNC SW and Video Clamp Pulse Circuit

The clamp pulse for IC702 (PRE-AMP) is generated at pin ⑰ of IC801. In case of the separate H sync and Comp sync, the clamp pulse is triggered by the front edge of .H sync and the pulse width is determined by C805 and R809.

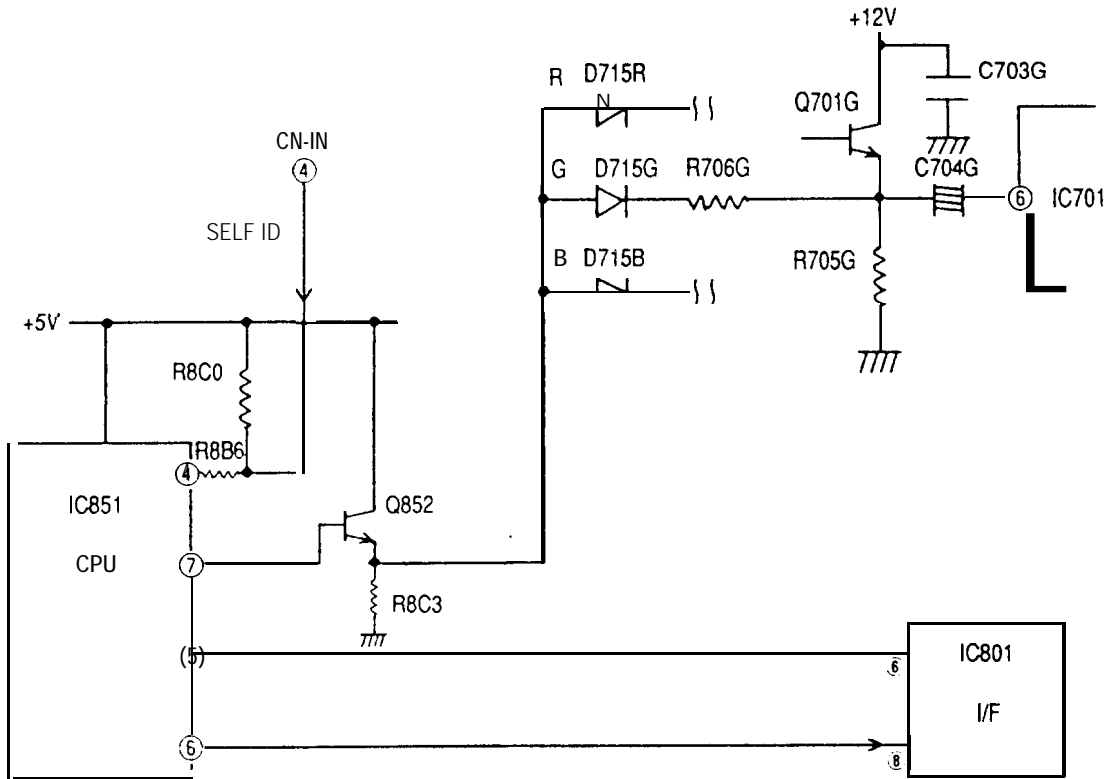
In case of the Sync on Green and separate H sync, the clamp pulse is generated at the back edge of the H sync. If the Comp Sync and Sync on Green are input at the same time, (ex. Macintosh II), the Comp Sync is CUT by the Sync SW. When Sync SW is OFF, the base of Q803 is High level and Q803 is turned ON. Then the Comp Sync is CUT. The SYNC SW operation is effective in case of no separate V sync at pin ② of IC801. If the separate V sync is input at pin ⑧ of IC801, the base of Q804 is High level and Q804 is turn ON, the sync SW operation is not useable.



(Fig 2-2-I) Sync SW and Clamp Circuit

## 2-3. Self Test Circuit

When the signal cable is disconnected from the video card/computer, pin ⑦ of CN-IN and pin ④ of IC851 (CPU) are set High. Then H sync (pin ⑤), V sync (pin ⑥) and video (pin ⑦) compose the CPU generated self test pattern.

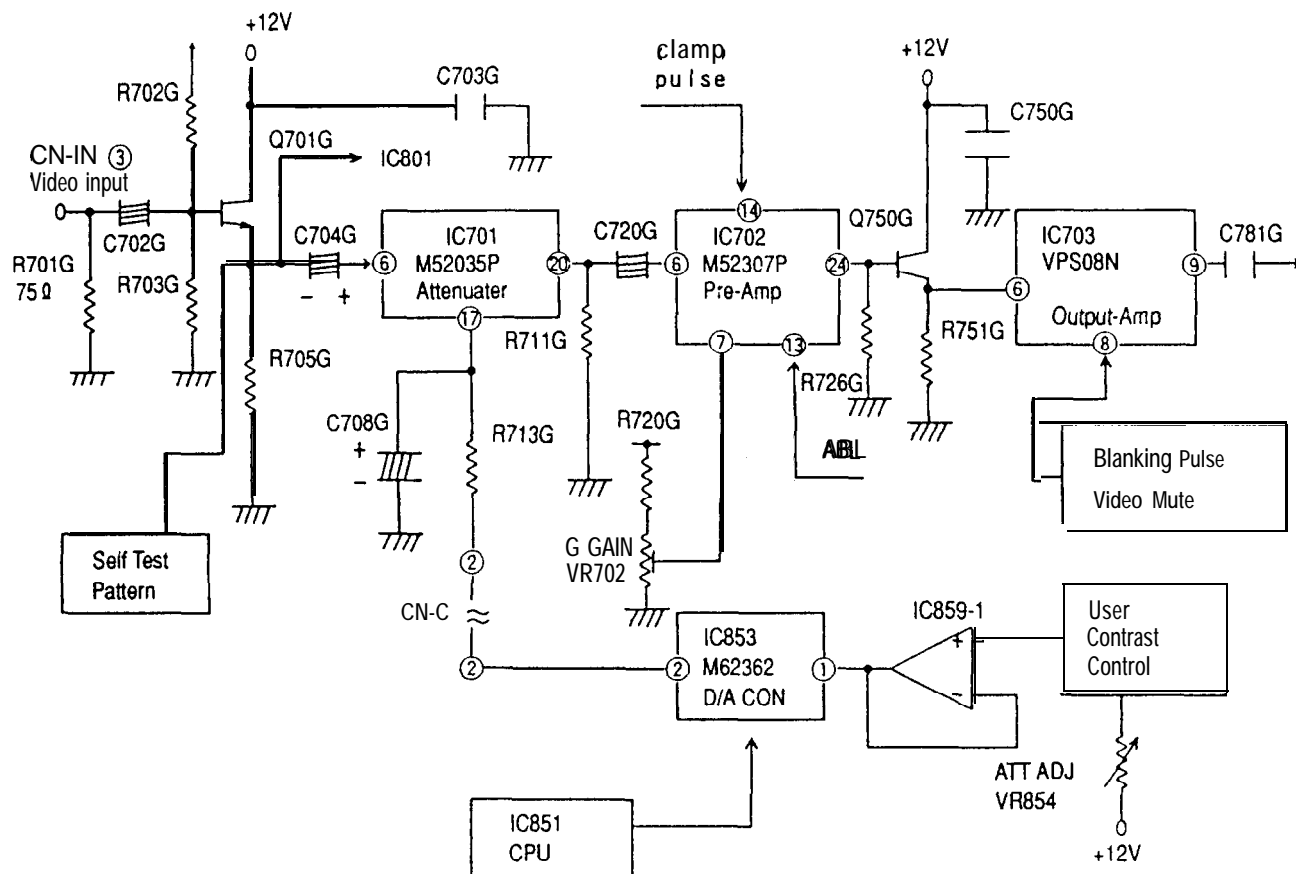


(Fig 2-3-I) Self Test Circuit

### 3. Video System

#### 3-1. Video signal amplifier

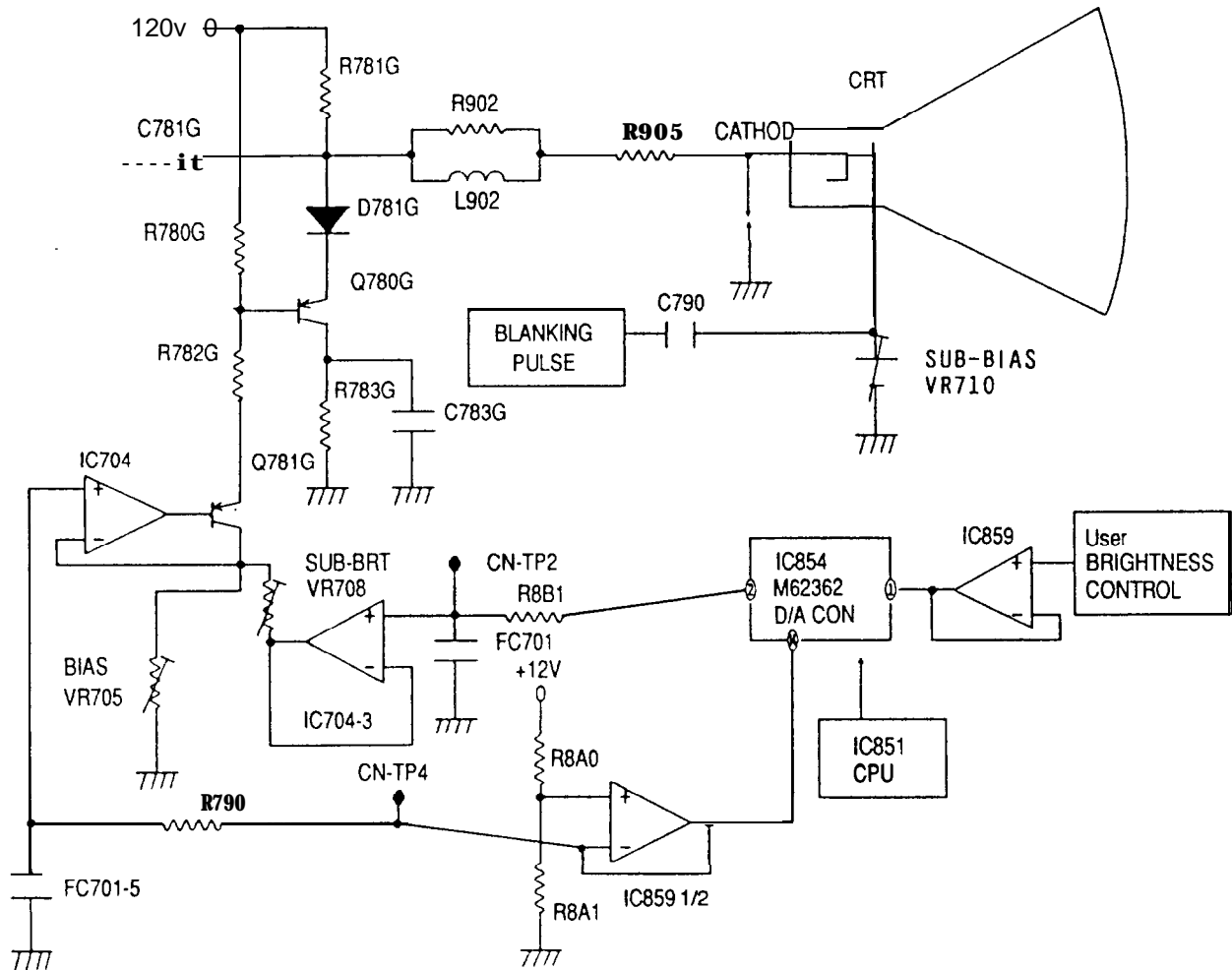
The three video circuits are the same for the each R/G/B color. Therefore only the Green video circuit will be explained here. The Green video signal input is fed to the pin ③ of IC701 through the Q701G. The video signal is attenuated by IC701, and the attenuation level is controlled by the user contrast control. The output signal of IC701 is supplied to IC702. The output signal of IC702 pin ②④ is supplied to IC703. IC702 is preamplifier, and the gain is adjustable by the GAIN VR702. IC703 is output amplifier.



(Fig 3-I-I) BLOCK DIAGRAM of Video signal amplifier

### 3-2. Brightness and cut-off circuit

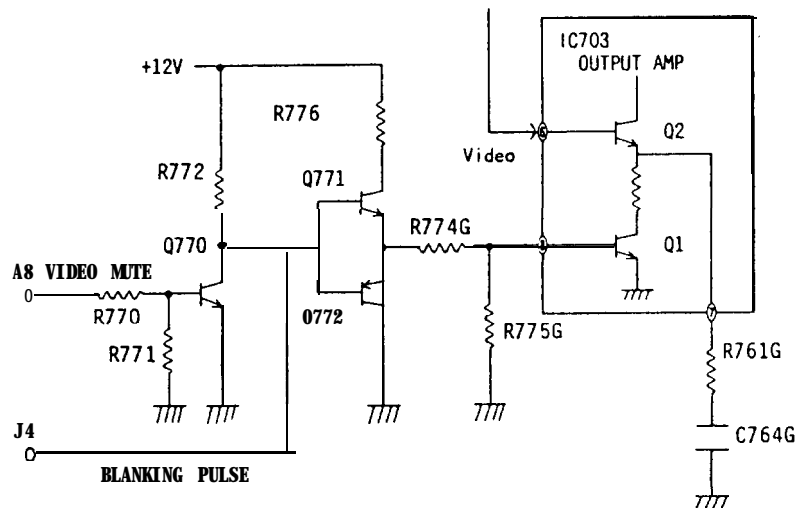
The raster brightness level is determined by clamping the video output blanking level from IC703. The DC clamp level is determined by using the voltage drop of R780G (which is basically determined by the current of Q781G). The raster brightness level is determined by the voltage at the output of IC704-3. When the voltage of 0781 G emitter is same voltage as the output of IC704-3, the DC clamping level is at cut-off level.



(Fig 3-2-I) Brightness and cut-off Circuit

### 3-3. Video Blanking Circuit and Video Mute Circuit

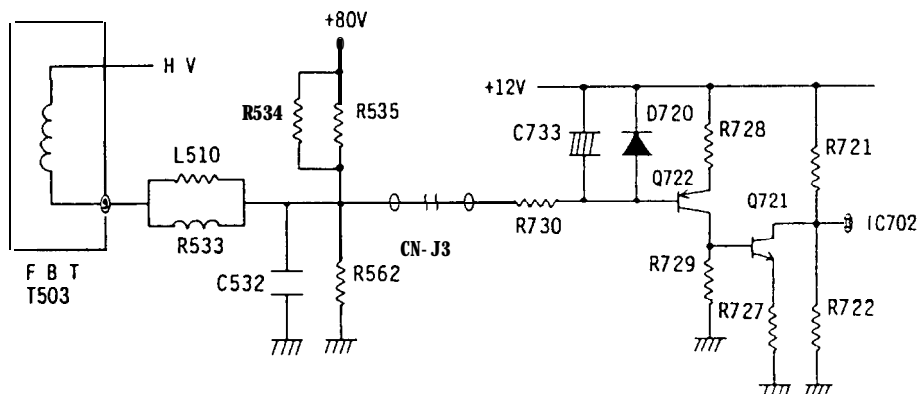
The H blanking pulse is applied to the push pull circuit which is composed of Q771 and Q772. During the blanking period this pulse turn on the transistor Q1 and the video amplifier at cut-off. The video mute signal is generated at the CPU (pin ⑧), when input signal is changed. Q770 is turned on by the video mute signal from the CPU. Then Q1 is turned off and the video amplifier is cut-off during the time that the video mute signal is generated.



(Fig 3-3-I) Video Blanking and Mute Circuit

### 3-4. ABL Circuit

The maximum average current flowing through the CRT is controlled to under 450uA by limiting the video Vp-p swing. The voltage of CN-J3 is clamped at 12.6V by Q720 when the anode current is 450uA or less. If the anode current exceeds 450uA, the voltage of CN-J3 drops to less than 12.6V due to the voltage drop of R534 and R535. This drives Q722 and Q721 to decrease the collector potential of Q721, and the gain of IC702 is decrease.

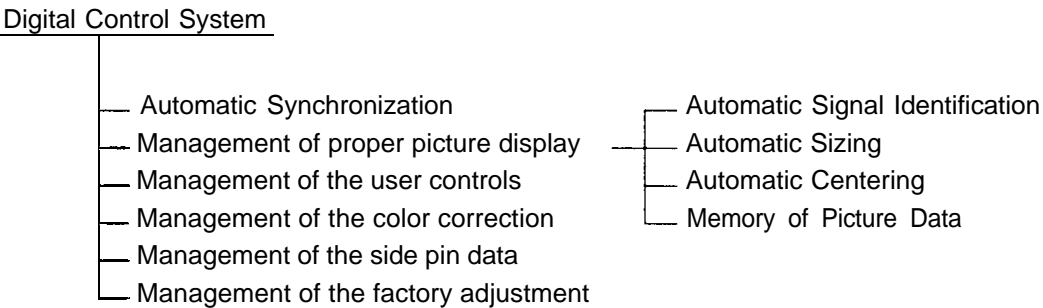


(Fig 3-4-I) ABL Circuit

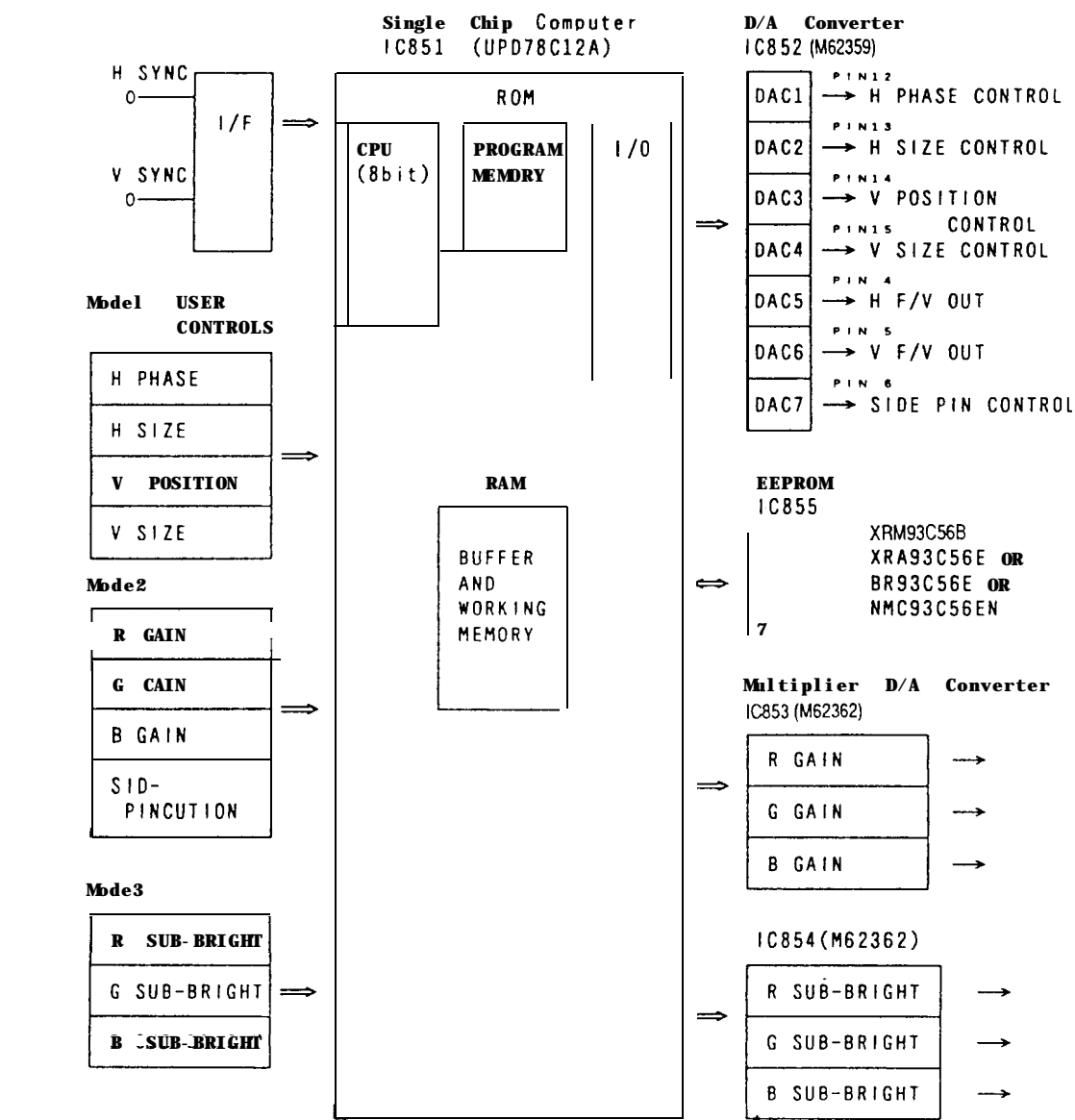
4. Digital Control System

4-1. Digital Control Circuit

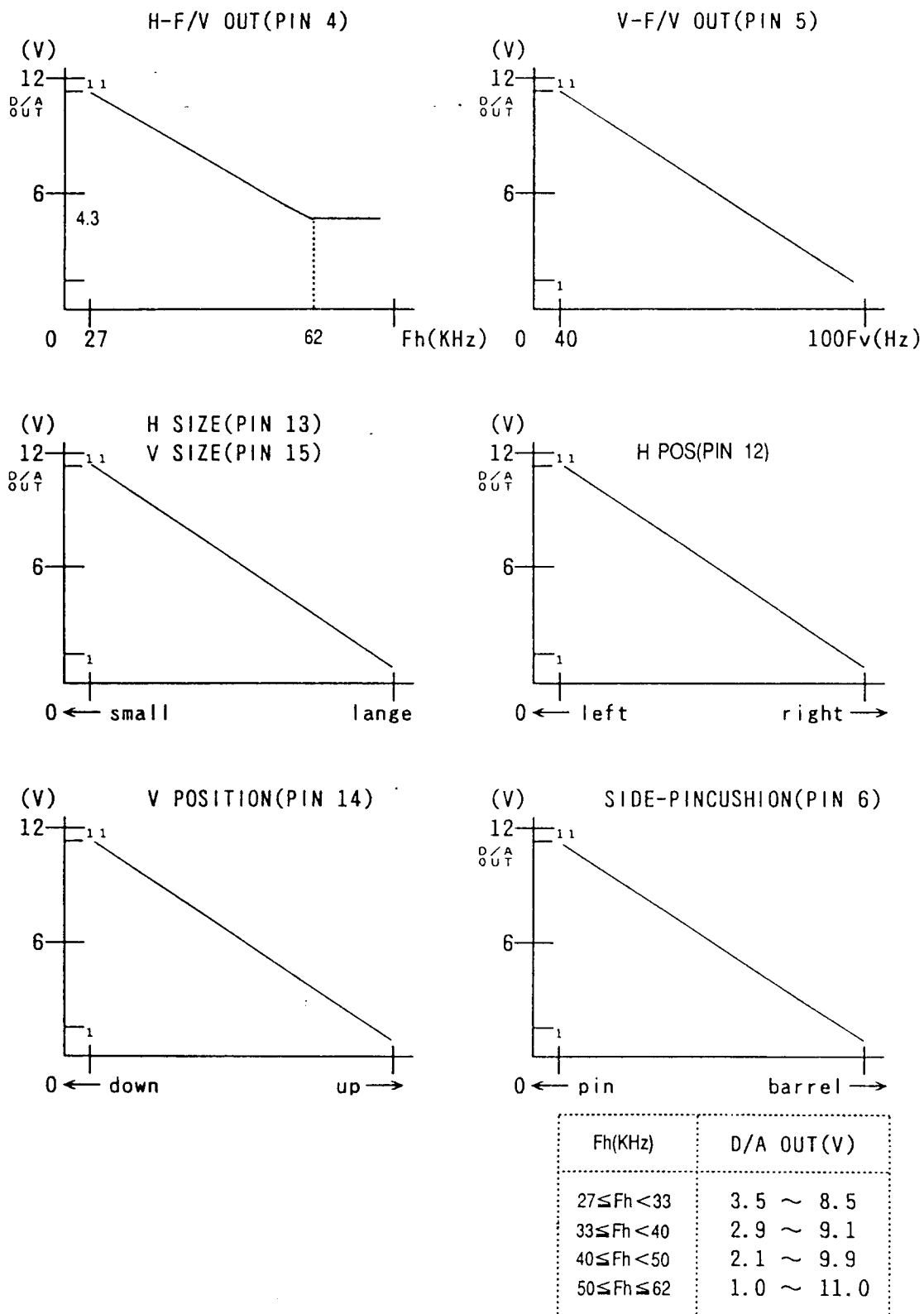
The following items are controlled by the Digital Control System.



The relationship of the input and the output of CPU (IC851) is shown on Fig. 4-I-I

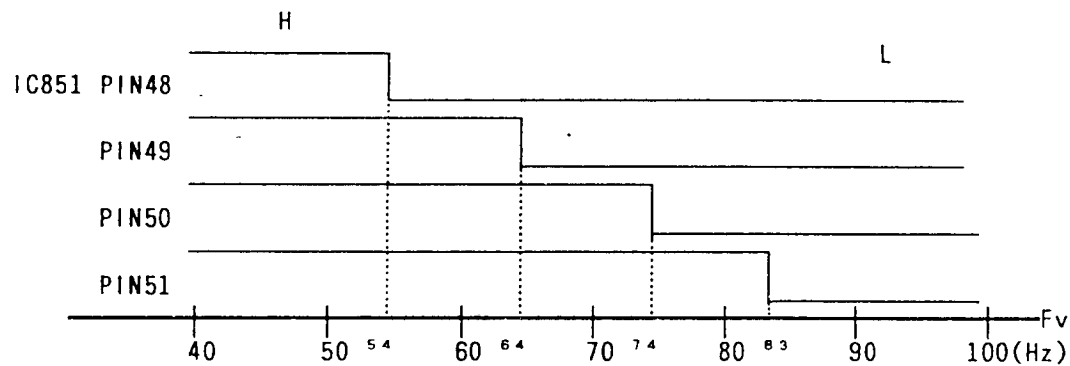


(Fig 4-I-I) The BLOCK DIAGRAM of Digital Control System

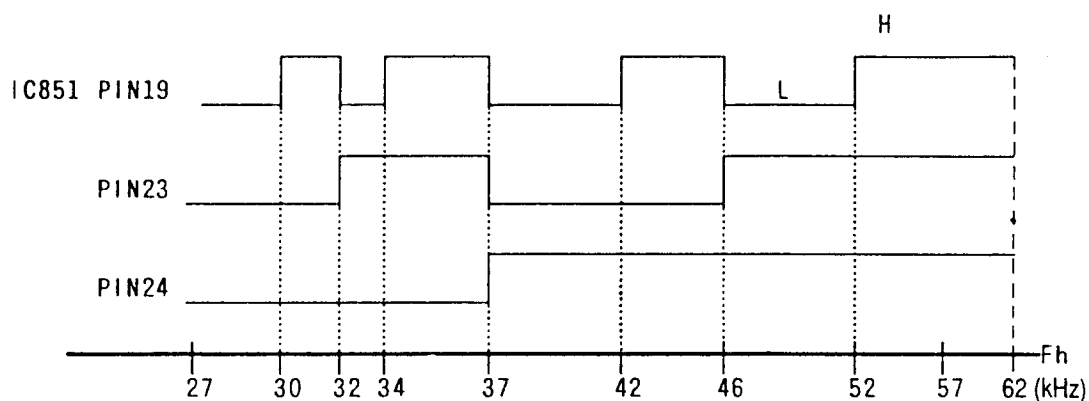


(Fig 4-1-2) The D/A converter output

# VERTICAL



# HORIZONTAL



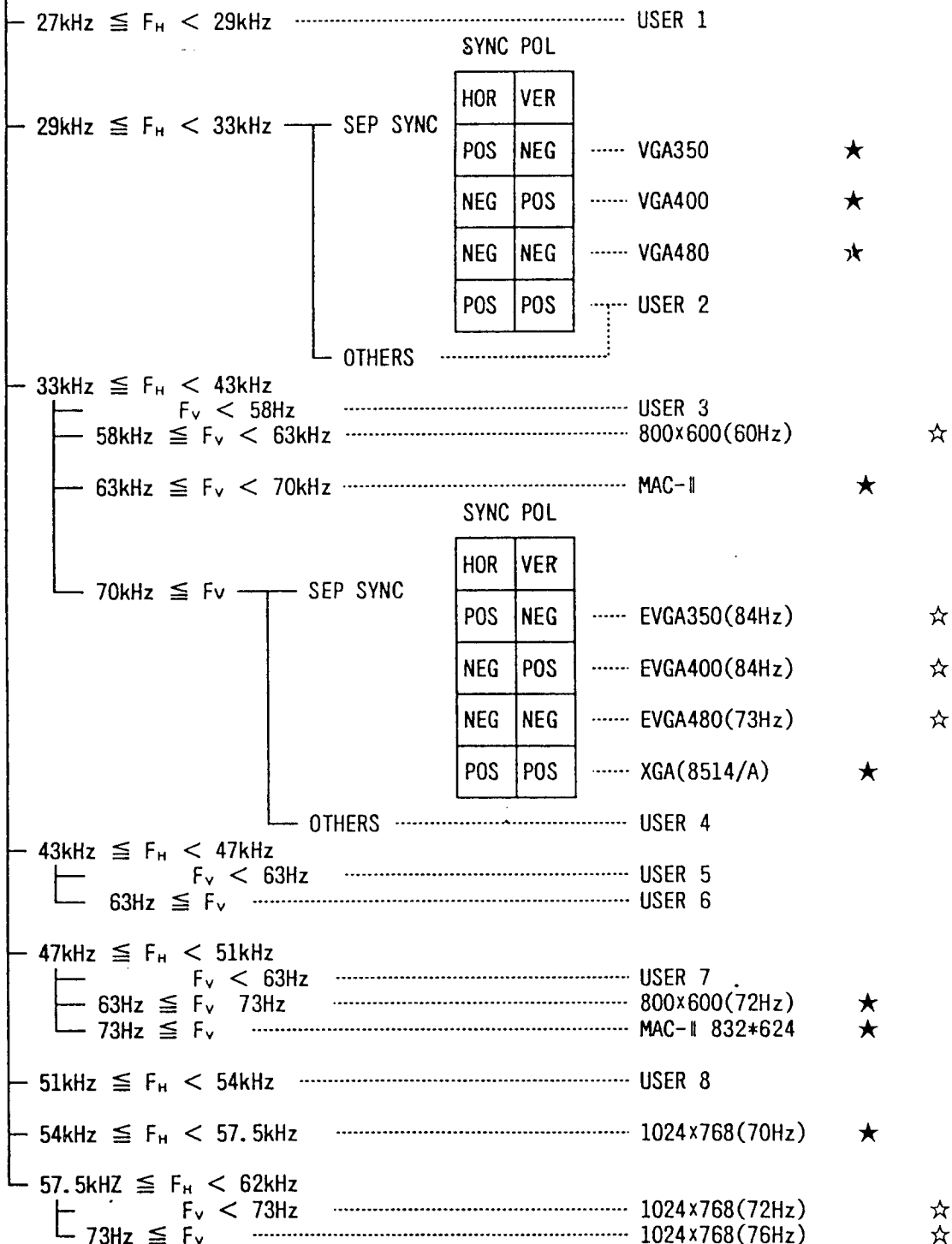
(Fig 4-1-3) The  $F_h$  and  $F_v$  Band-Signals

For Service Manuals  
**MAURITRON SERVICES**  
 8 Cherry Tree Road, Chinnor  
 Oxfordshire, OX9 4QY.  
 Tel (01844) 351694  
 Fax (01844) 352554  
 email:- mauritron@btinternet.com

# SIGNAL IDENTIFICATION FLOW CHART

PRE-SET  
ADJ CAL

INPUT SIGNAL



NOTE) ★ : Signals have back up memories and are adjusted at factory.(8 Signals)  
 ☆ : Signals have back up memories and are memorized at factory  
 by calculation.(6 Signals)

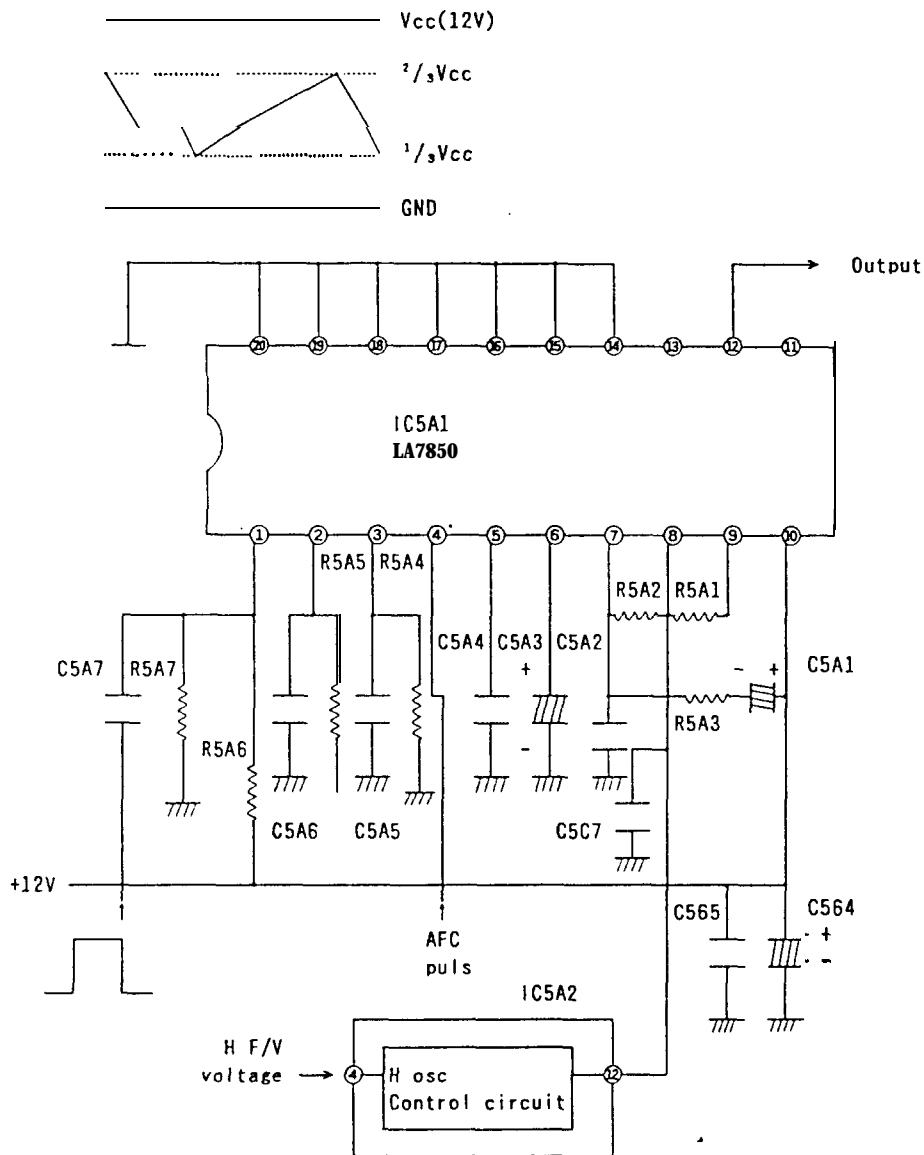
## 5. Deflection System

### 5-1. Horizontal system

#### 5-1-1. Horizontal synchronization circuit

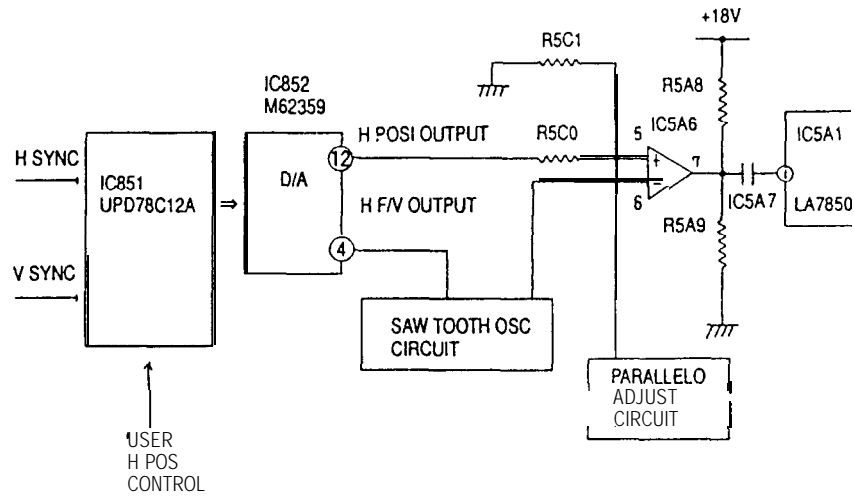
AFC and Horizontal Oscillation are conducted by inputting Sync signal, Horizontal Output pulse and Horizontal Oscillation Control current to IC5A1(LA7850). The output of horizontal phase circuit is input to IC (pin ①) as the Sync signal via C5A7. Sync signal is triggered at the breaking edge by the Bias voltage which is determined by R5A7 and R5A6. Horizontal Output pulse is input to IC5A1 (pin ④) and the Saw Tooth Wave is generated at IC5A1 (pin ⑤).

AFC circuit is composed by C5A3, C5A2, C5A1, R5A3 and R5A2. Horizontal Oscillation Control current flows into the C5C7 through IC5A2 (pin ⑫). When the voltage at IC5A1 (pin ⑧) reaches  $\frac{1}{3} V_{cc}$ , Charge and Discharge of C5C7 is switched by IC5A1 and the Saw Tooth Wave is generated. Horizontal Oscillation control current is controlled by H-F/V voltage.



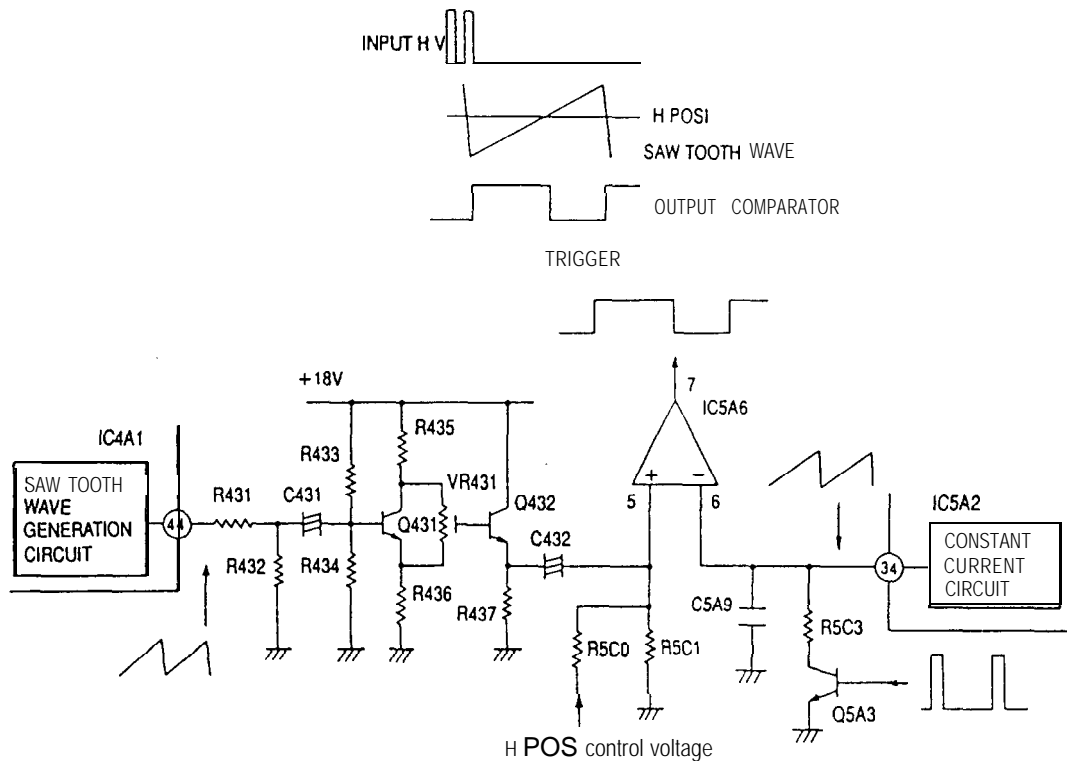
(Fig 5-1-1) Horizontal Synchronization Circuit

## 5-I-2. Horizontal phase circuit



(Fig 5-I-2) BLOCK DIAGRAM of the H phase circuit

Horizontal Position is to be adjusted by delaying the Horizontal Sync signal phase input to LA7850. IC5A6's inputs of H position control voltage and saw tooth waveform are generated from the H sync timing. The duty comparator's output varies with the H position control voltage. The sync signal phase can be delayed by triggering to LA7850 on the breaking edge.

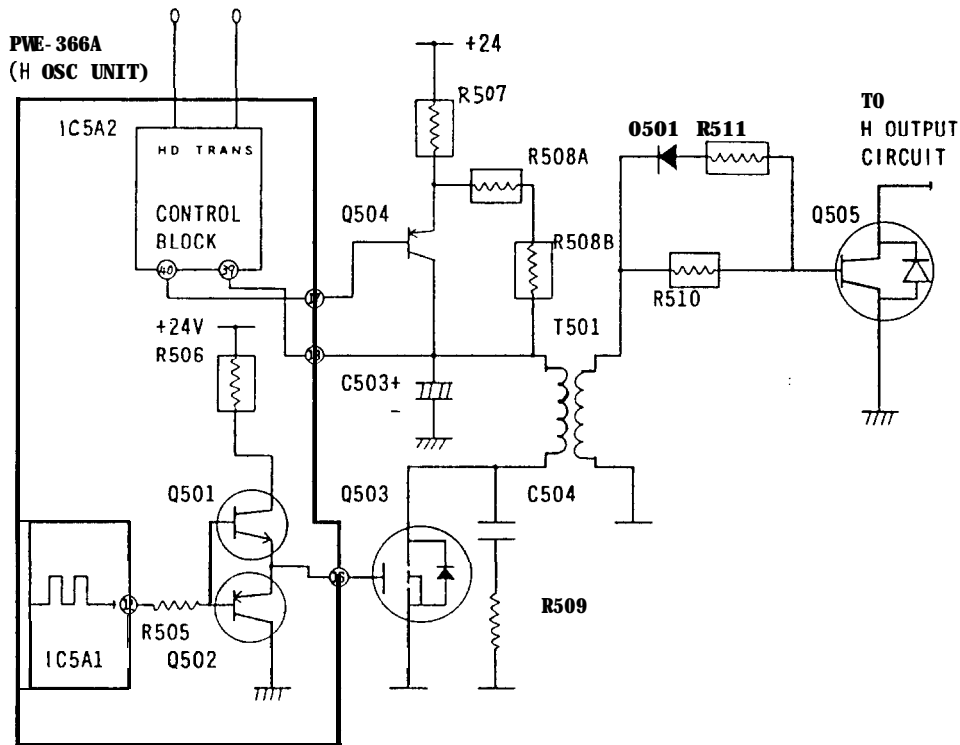


(Fig 5-I -3) PARALLELO DISTORTION correct circuit and SAW TOOTH OSC circuit

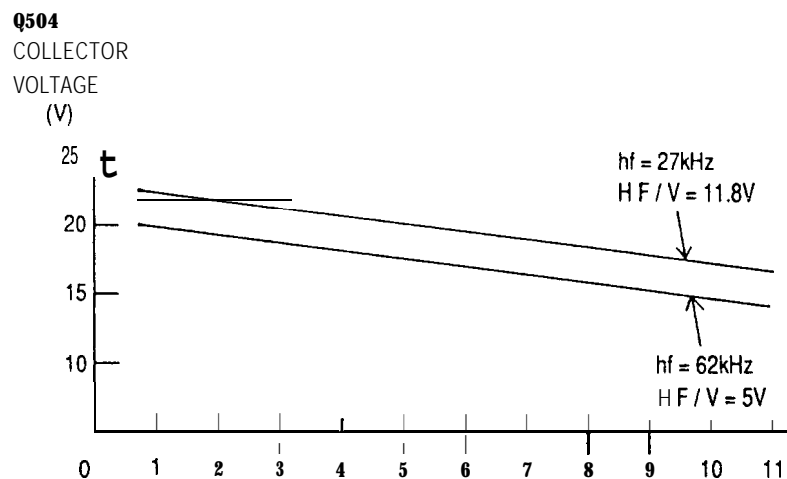
Parallelo distortion is corrected by the H Position control voltage that varies with the sawtooth waveform pulse of vertical timing through C432, and is adjusted with VR431. This sawtooth waveform pulse is produced at pin ④ of IC4A1.

### 5-1-3. H DRIVE Circuit

The horizontal pre-drive pulse is generated from IC5A1(LA7850) pin ⑫ and input to Q503 via Q501 and Q502. Q504 provides the voltage to T501. This voltage is regulated by Q504 to compensate for Q505 power loss. Q504's collector voltage is controlled by both H F/V and H size voltage. The relationship of Q504 collector voltage, H FN voltage and H size voltage is shown Fig 5-1-6.



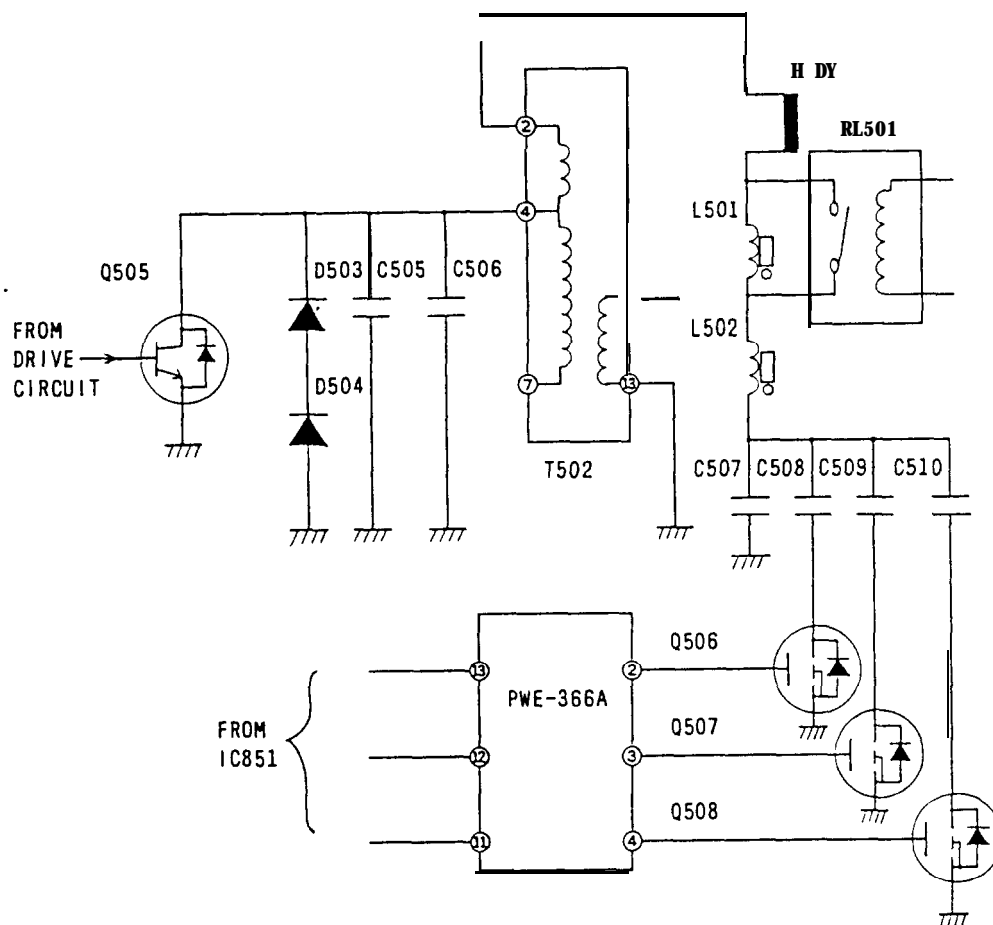
(Fig 5-1 -5) H Drive circuit



(Fig 5-I-6) The Relationship Q504 collector voltage, H FN voltage and H SIZE voltage

#### 5-1-4. H OUTPUT Circuit

The signal from T501 turns on and off the horizontal output transistor Q505. Consequently, Q505 is turned alternately on and off so that the SAW TOOTH current flows into the horizontal deflection yoke. The H band signals from IC851 input to GATE of Q506, Q507 and Q508 via PWE-366A. Consequently "S" capacitors (C507, C508, C509, and C510) are rearranged by H frequency bands. The relationship of signals from PWE-366A, H frequency and "S" capacitors is as Fig 5-l-8. L501 and L502 are Linearity coils. If horizontal frequency is higher than 40.5kHz, L501 is shorted by RL501. The 4FGe has several types of CRTs. L501, L502, and C506 to C510 values are determined by the type of CRT.



(Fig 5-l -7) H OUTPUT Circuit

H FREQUENCY	Q506 GATE	Q507 GATE	Q508 GATE	C507	C508	C509	C510
52 kHz to 62 kHz	L	L	L	ON	OFF	OFF	OFF
46 kHz to 52 kHz	H	L	L	ON	ON	OFF	OFF
42 kHz to 46 kHz	L	H	L	ON	OFF	ON	OFF
37 kHz to 42 kHz	H	H	L	ON	ON	ON	OFF
34 kHz to 37 kHz	L	L	H	ON	OFF	OFF	ON
32 kHz to 34 kHz	H	L	H	ON	ON	OFF	ON
30 kHz to 32 kHz	L	H	H	ON	OFF	ON	ON
27 kHz to 30 kHz	H	H	H	ON	ON	ON	ON

L=LOW  
H=HIGH

(Fig 5-l-8) The relationship of H frequency, Signals from PWE- 366A and "S" capacitor

CRT	M36KME20××19(T0) M36KME23××19(T3)(R) M36KME23××19(T3)	M36KME20××21(T0) M36KME23××21(T3)	M36KLH690×14 M36KLH680×14	M36KUT23××21(FD1E8) M36KUT23××21(FD1C6)
C505	CF93P1. 4KV272HB <b>42817011</b>	CF93P1. 4KV272HB <b>42817011</b>	CF93P1. 4KV272HB <b>42817011</b>	CF93P1. 4KV272HB <b>42817011</b>
C506	CF93P1. 4KV292HB 42817091	CF93P1. 4KV292HB 42817091	CF93P1. 4KV242HB 4281701C	CF93P1. 4KV292HB <b>42817091</b>
C507	CF93P2G364JB <b>42839709</b>	CF93P2G394JB <b>42839710</b>	CF93P2G394JB <b>4283971C</b>	CF93P2G434JB <b>42839733</b>
C508	CF93P2G154JBW <b>42839303</b>	CF93P2G154JBW <b>42839303</b>	CF93P2G104JBW <b>42839601</b>	CF93P2G154JBW <b>42839303</b>
C509	CF93P2G274JBW <b>42839307</b>	CF93P2G274JBW <b>42839307</b>	CF93P2G334JBW <b>42899124</b>	CF93P2G304JBW <b>42839332</b>
C510	CF93P2G644JBW <b>42899042</b>	CF93P2G644JBW <b>42899042</b>	CF93P2G604JBW <b>4284350E</b>	CF93P2G754JBW <b>42839331</b>
L501	<b>60919128</b>	<b>60919128</b>	6091913C	<b>60919128</b>
L502	<b>60919129</b>	<b>60919129</b>	6091913C	<b>60919129</b>

(Fig 5-l-9) The relationship fore types of CRTs, C505 to C510, L501 and L502.

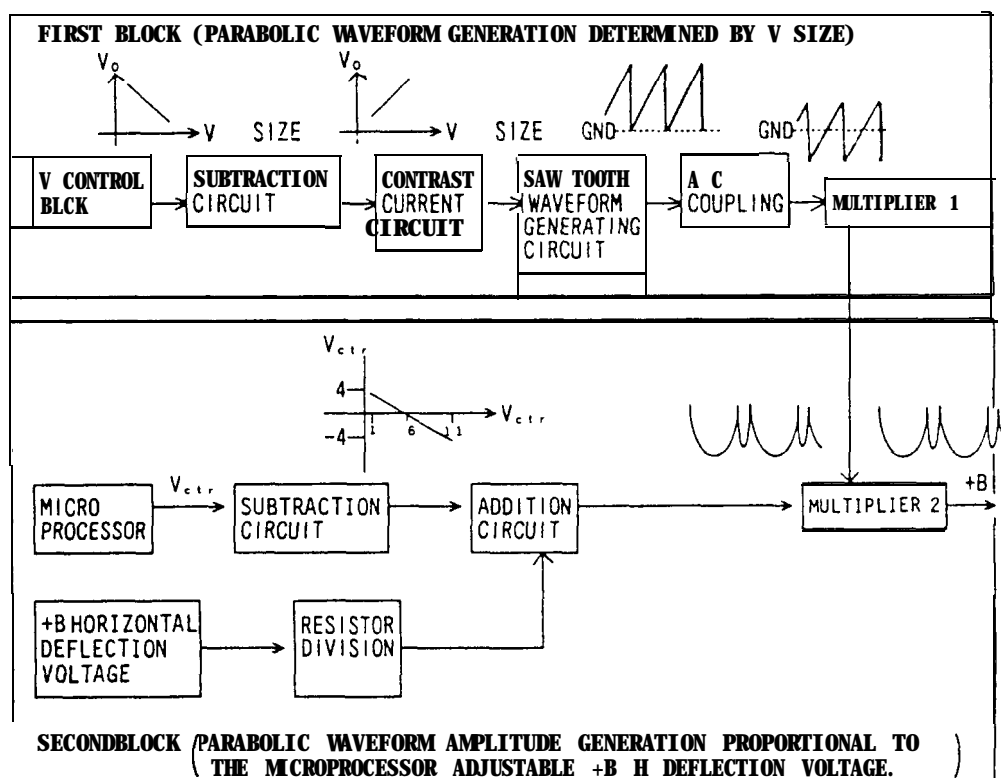
### 5-1-5. Parabola Waveform Generating Circuit

The parabola-waveform generating circuit is mainly composed of two blocks (See Fig 5-1-10 and Fig 5-1-11). Each block includes a multiplier which has two input terminal. In the first block, a parabolic waveform is generated from the saw tooth wave. The saw tooth wave is generated at pin ④ of IC4A1 and is A C coupled by C4C0 to each terminals of IC4A2.

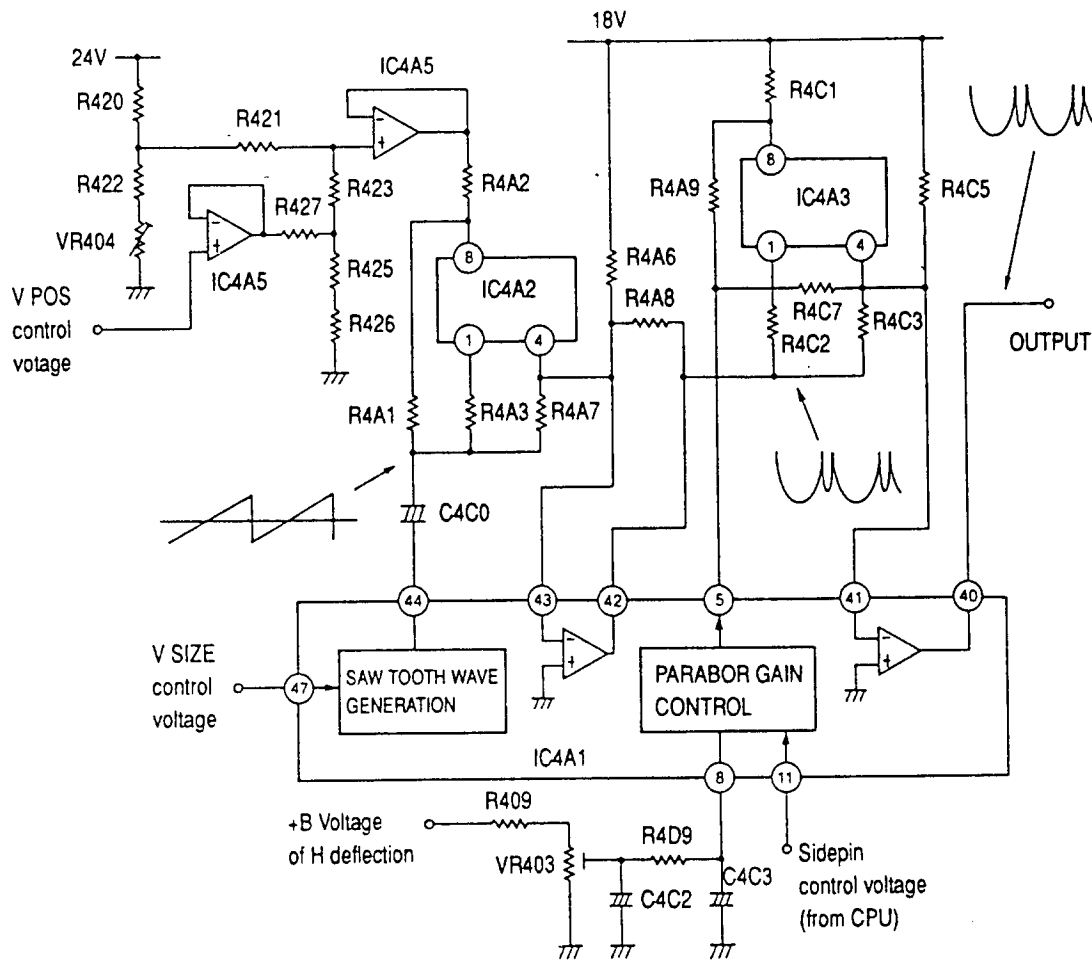
The multiplier of IC4A2 squares the A C coupled saw tooth waveform and produces a parabolic waveform. Trapezoid distortion is corrected by the voltage applied to pin ⑧ of IC4A2 through R4A2. This voltage is determined by the vertical size and varied by VR404. The amplitude of the parabola waveform has to be proportional to the +B voltage of H deflection. In the **second** block, the transaction of making the amplitude of the parabola waveform and the amplitude is user control adjustable. +B voltage of H deflection is divided by R409 and VR403.

The parabola wave and the H deflection +B are applied to each terminals of IC4A3 the user control adds to subtracts from the divided +B H deflection voltage. The positive or negative user control voltage is obtained transforming the control voltage from the microprocessor. The +B H deflection voltage varies as the H frequency varies the necessary range of control voltage is also proportional to the +B H deflection voltage. So in order to keep the variable quantity of the side pin cushion correction not so different at any frequency, the range of control voltage is different for each four bands of horizontal frequency.

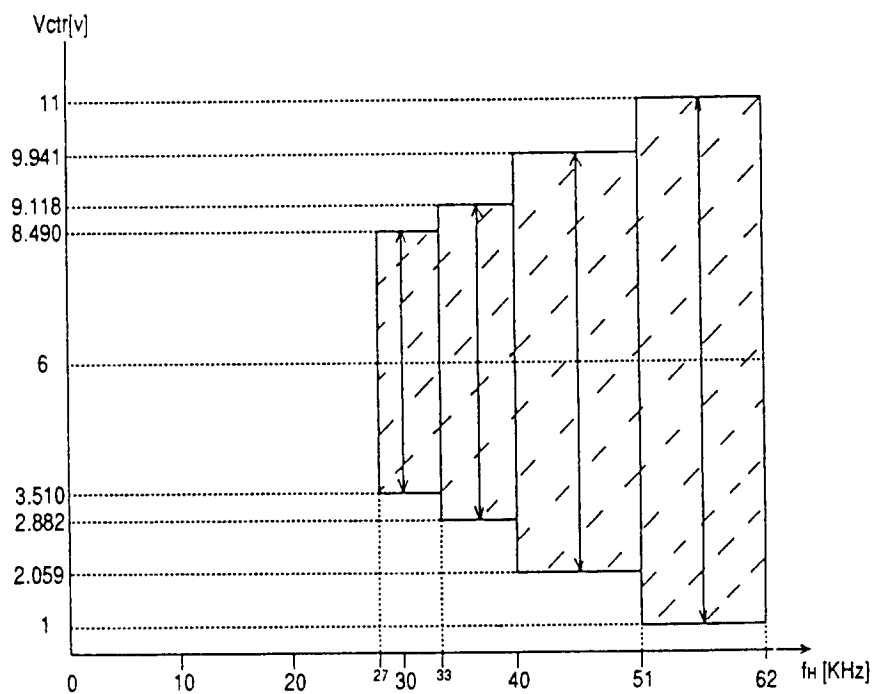
With using above method, the last parabolic wave is output from pin ④ of IC4A3.



(Fig 5-1-10) The BLOCK DIAGRAM of PARABOLA waveform generating circuit



(Fig 5-1-11) PARABOLA WAVEFORM GENERATING CIRCUIT

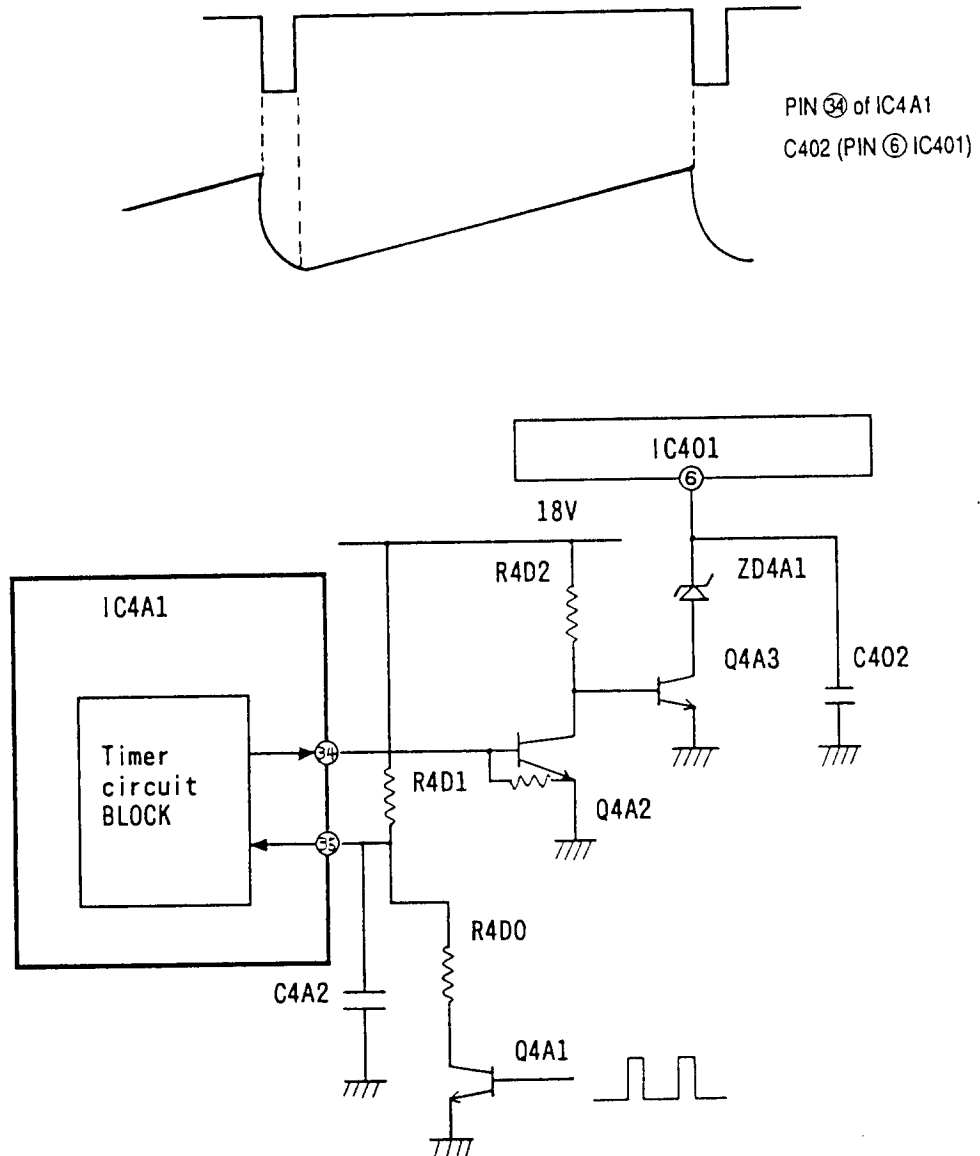


(Fig 5-1-12) H FREQUENCY VS CONTROL VOLTAGE OF MICROPROCESSOR

## 5-2. Vertical System

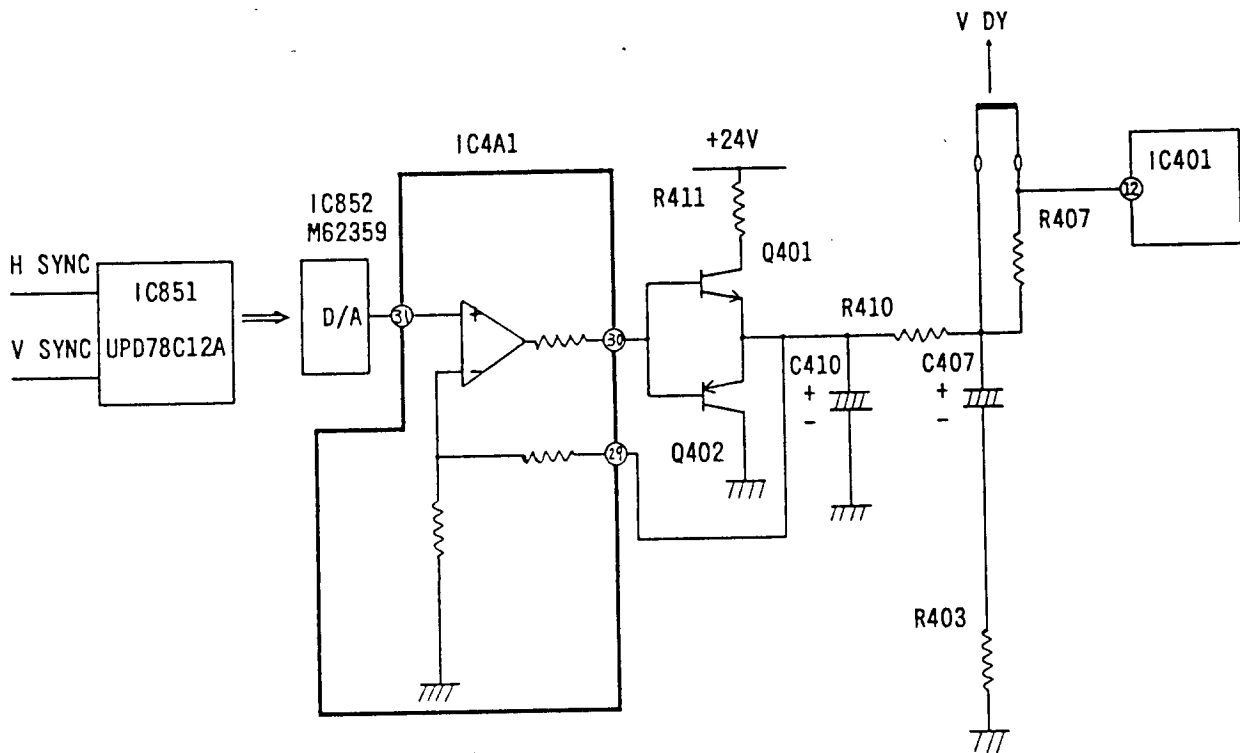
### 5-2-1. Vertical synchronization Circuit

The vertical sync signal is input to Q4A1 and the saw tooth waveform is generated by R4D1, C4A2 and Q4D1. This waveform is input to pin ③⑤ of IC4A1. Sync output of the timer circuit is obtained at pin ③④ of IC4A1. Direct current flows in the Vertical Size Control circuit and changing to C402. The potential of C402 is discharged through ZD4A1 and Q4A3 when base voltage of Q4A3 is High.



(Fig 5-2-1) vertical synchronization Circuit

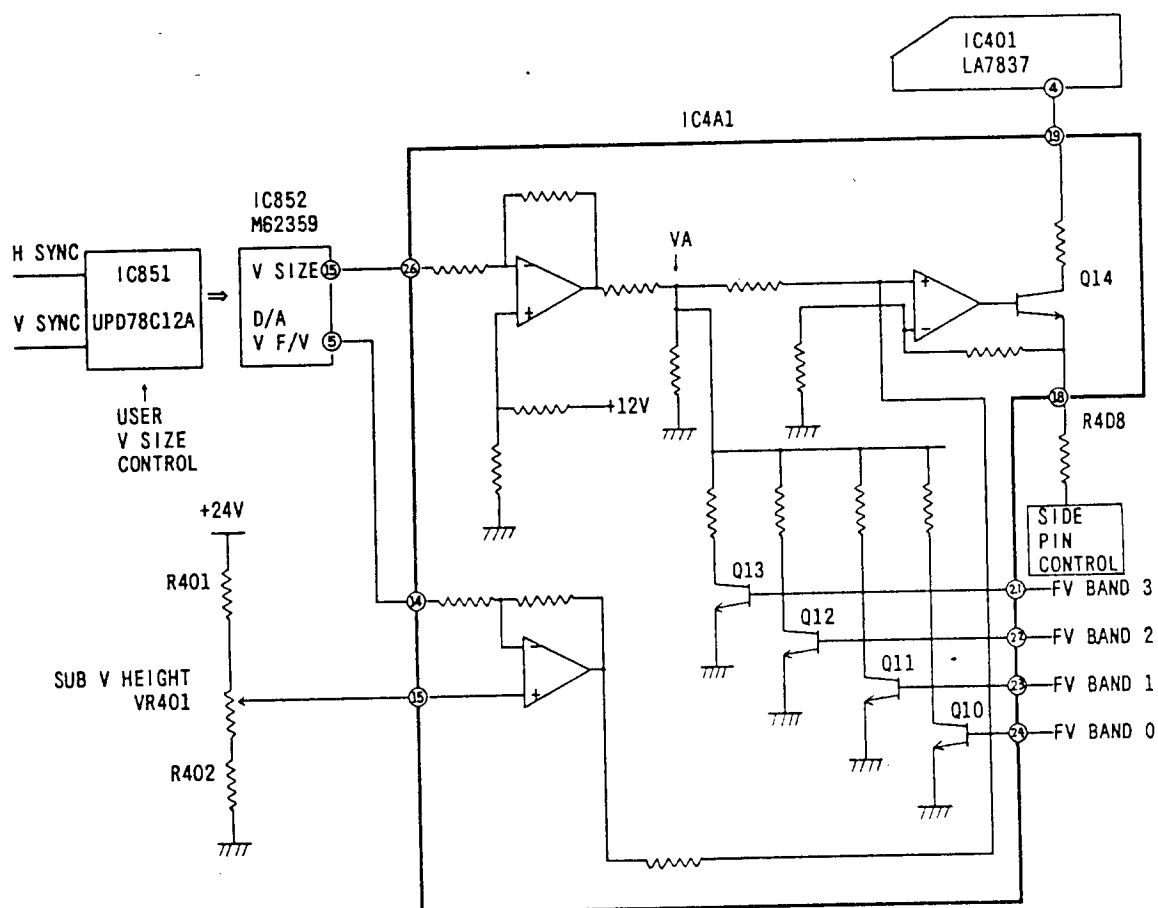
### 5-2-2. V Position Circuit



(Fig 5-2-2) BLOCK DIAGRAM of V Position Circuit

The  $V_{\text{position}}$  control voltage (Output of IC4A1) manipulates the push-pull transistors (Q401 and Q402) output DC level and also the  $V_{\text{DY}}$  DC biasing current.

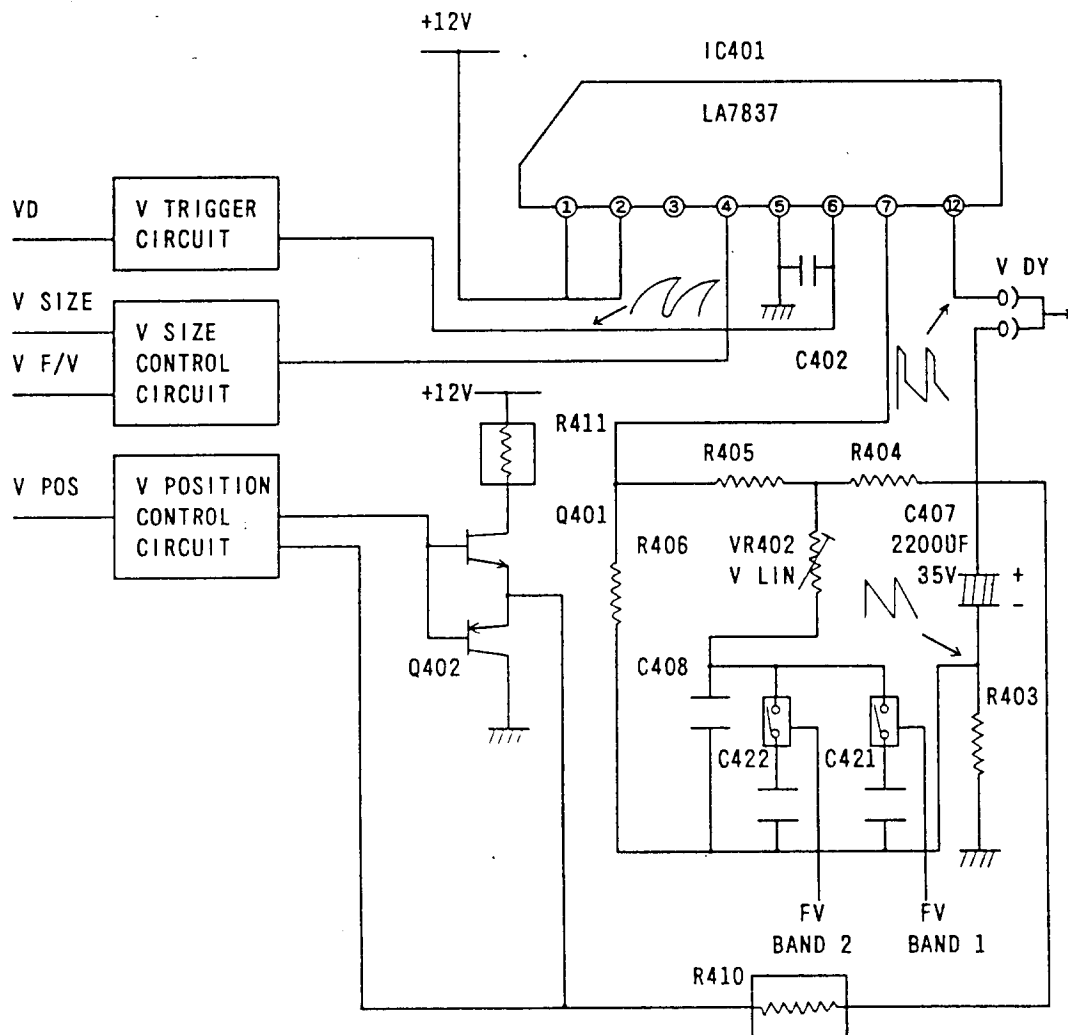
### 5-2-3. V Size Circuit



(Fig 5-2-3) BLOCK DIAGRAM of V SIZE Circuit

The vertical raster size is controlled by the sink current of IC401 pin ④ (collector current of Q14 in IC4A1). Therefore, it can be controlled by changing the DC base voltage of Q14. The parameters which decide the vertical video size are the vertical frequency and V size control voltage. To keep constant vertical raster size, the V /F/V (Output of IC852) output voltage controls the Q14 base voltage. And, to also keep this vertical raster size constant for the pre-set signals, the V size control voltage (Output of IC852) controls the base voltage of Q14. VR401 (SUB V HEIGHT) specifies the maximum vertical size. To keep the vertical control range for the vertical frequency, the variable range of point VA will be changed by Q13~Q10.

#### 5-2-4. Vertical output circuit



(Fig 5-2-4) BLOCK DIAGRAM Vertical output Circuit

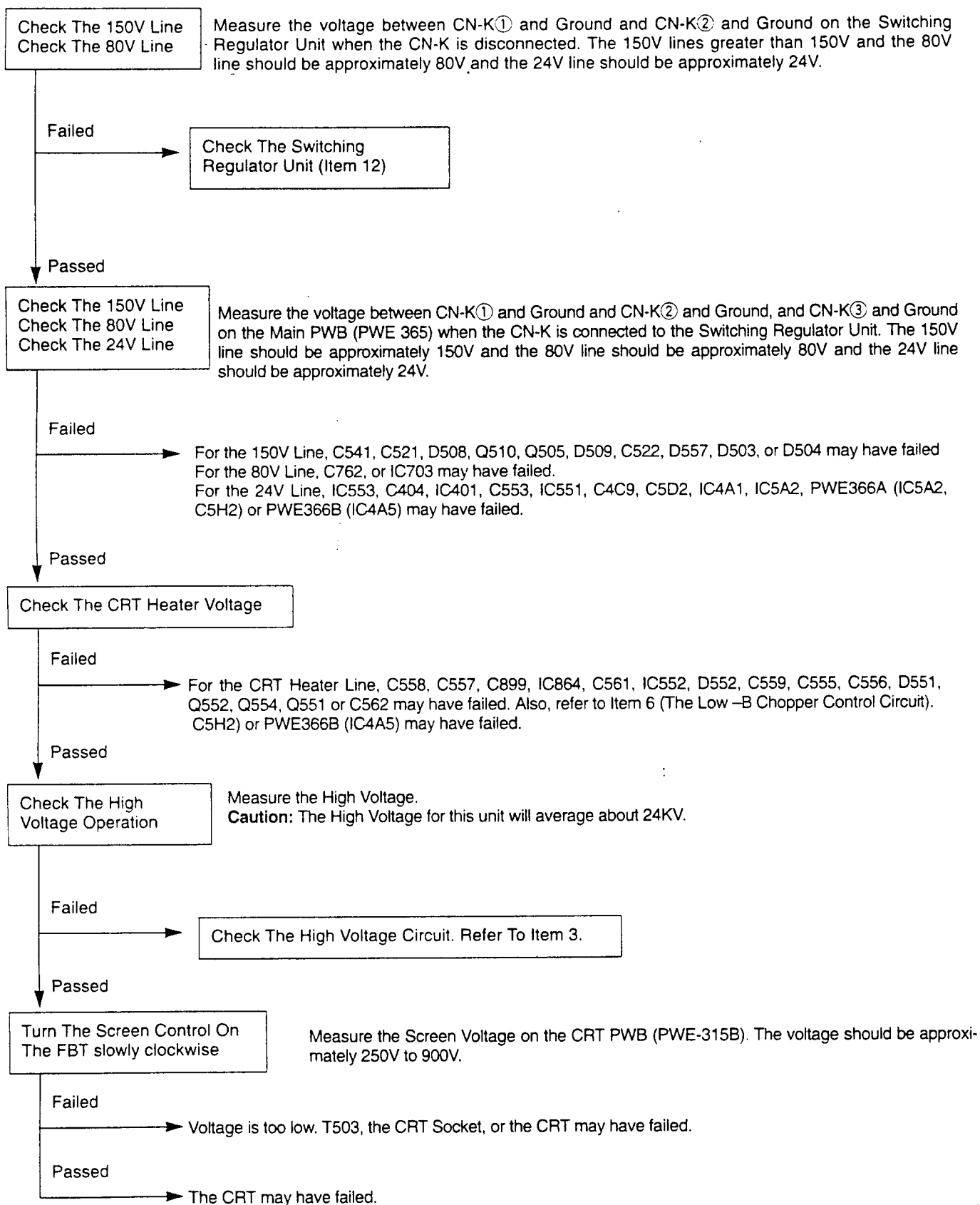
The vertical deflection circuit produces a Saw Tooth current waveform for the Vertical DY. The output of IC401 (LA7837 or LA7838) is suited for multi-scanning monitors because it easily controls the Vertical size (by DC control) and is also easy to Synchronize. By controlling IC401 (LA7837 or LA7838) with the former explained Vertical Amplitude circuit and Vertical Sync circuit, the Saw Tooth Wave current goes into the Deflection Yoke from the IC401 pin 12. The Saw Tooth Wave can be detected at both ends of the R403 in proportion to the vertical deflection current. The feedback network of R404, R405, R406 and VR402 operate V linearity control and V size control.

# TROUBLE SHOOTING

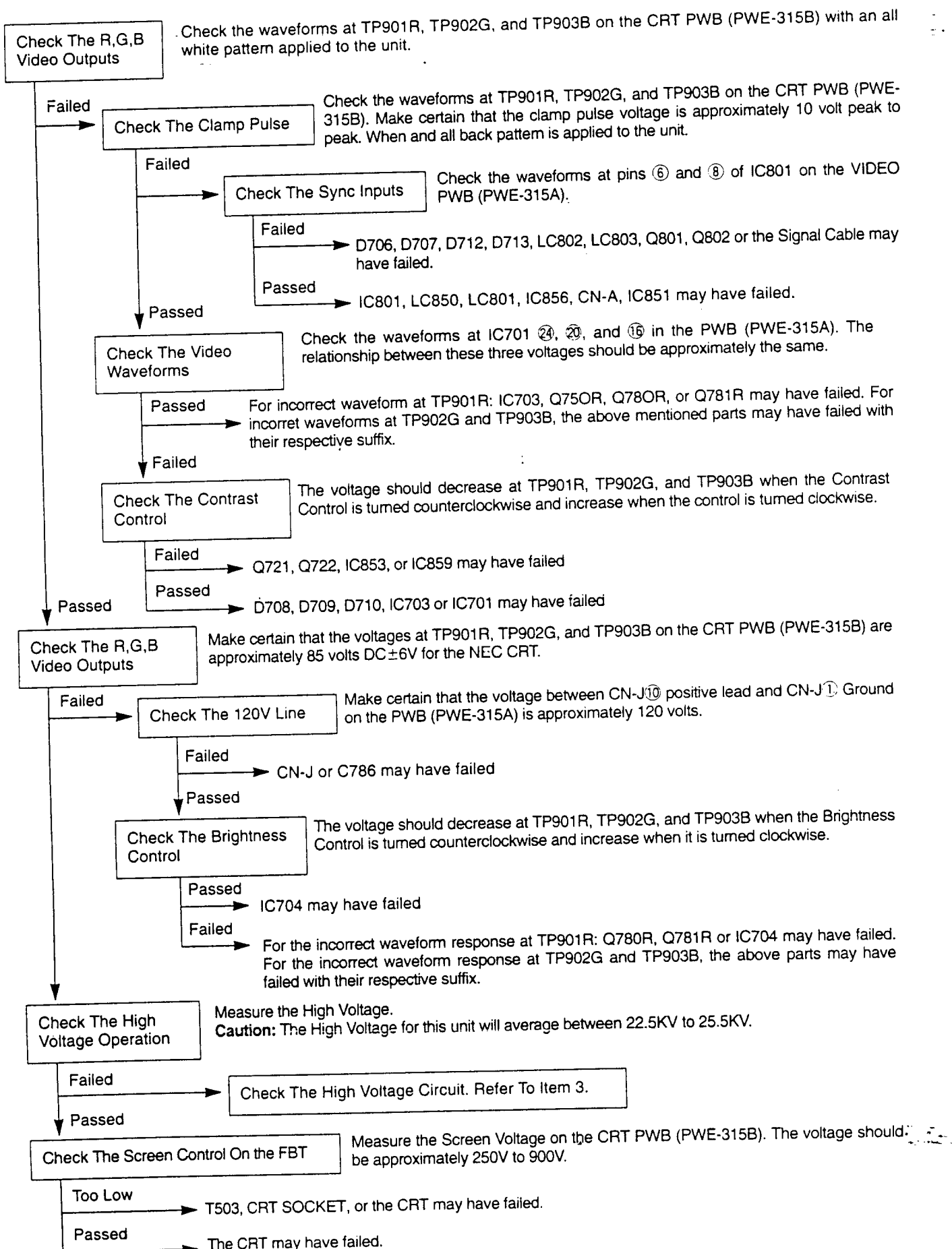
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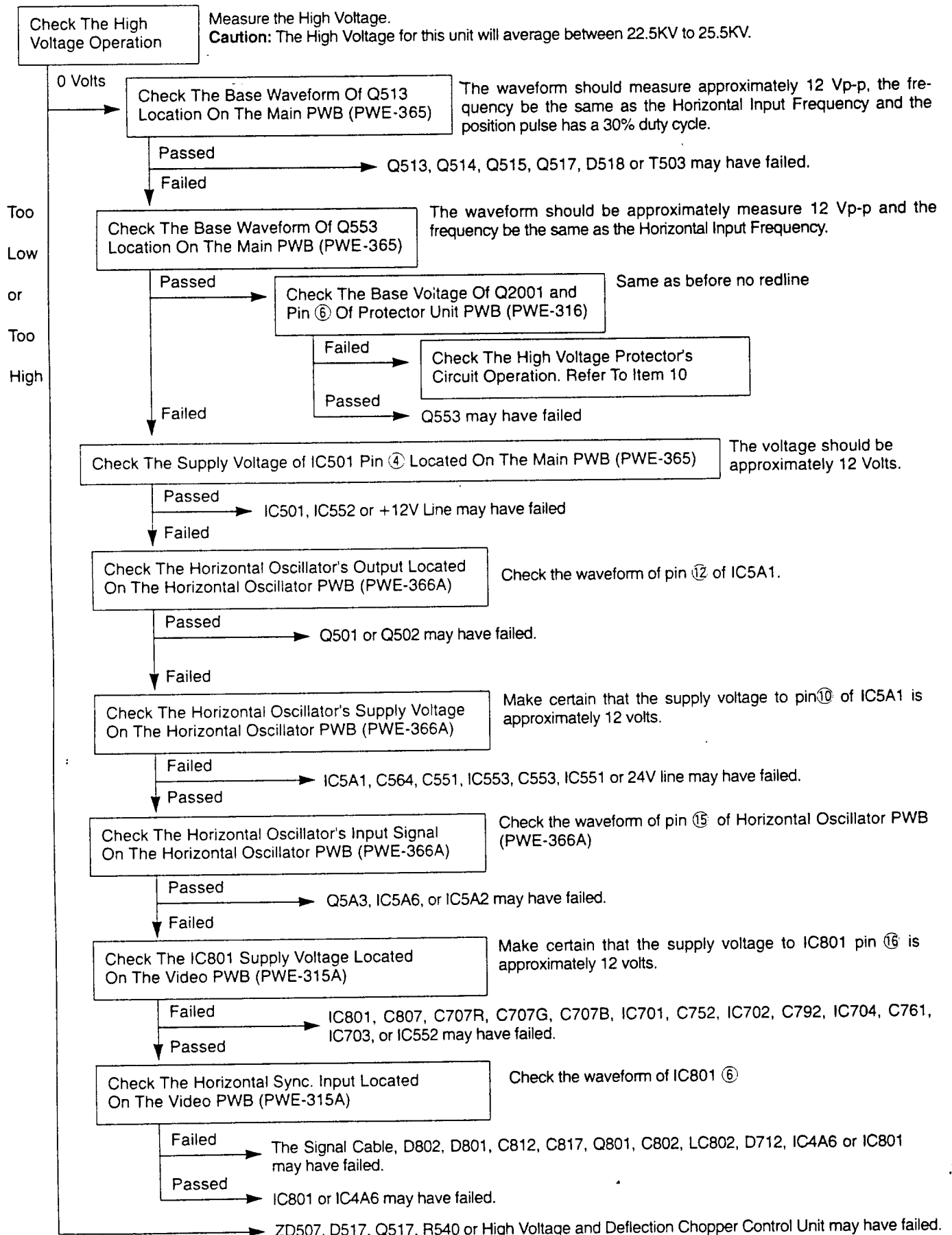
## 1. NO RASTER



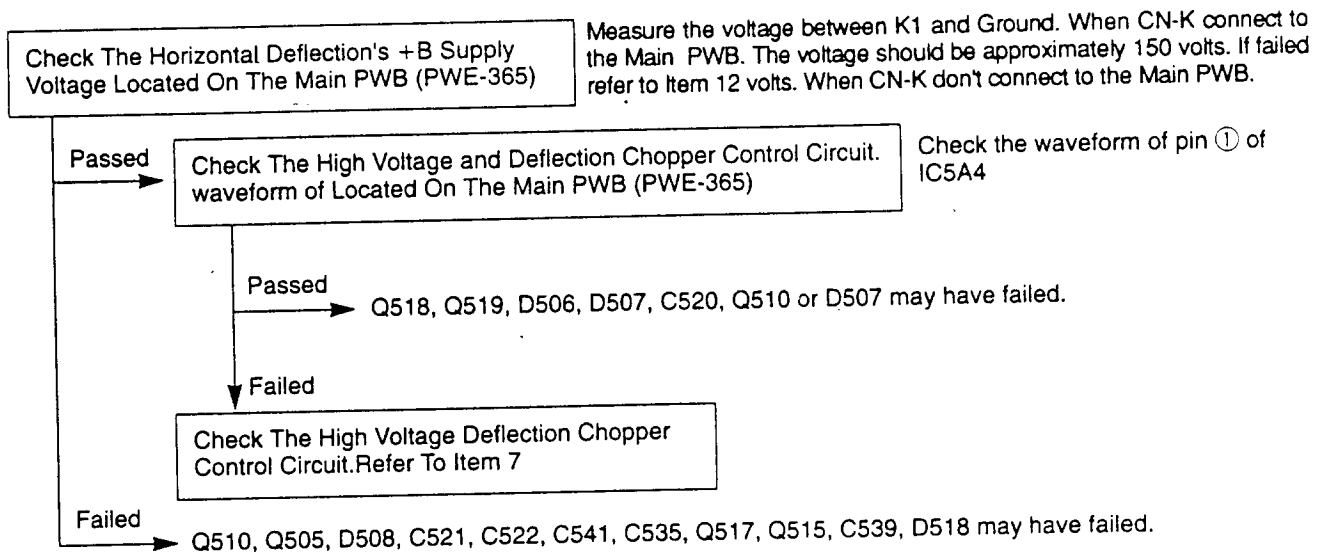
## 2. ABNORMAL IMAGE OR RASTER BRIGHTNESS (Too Dark or Too Bright)



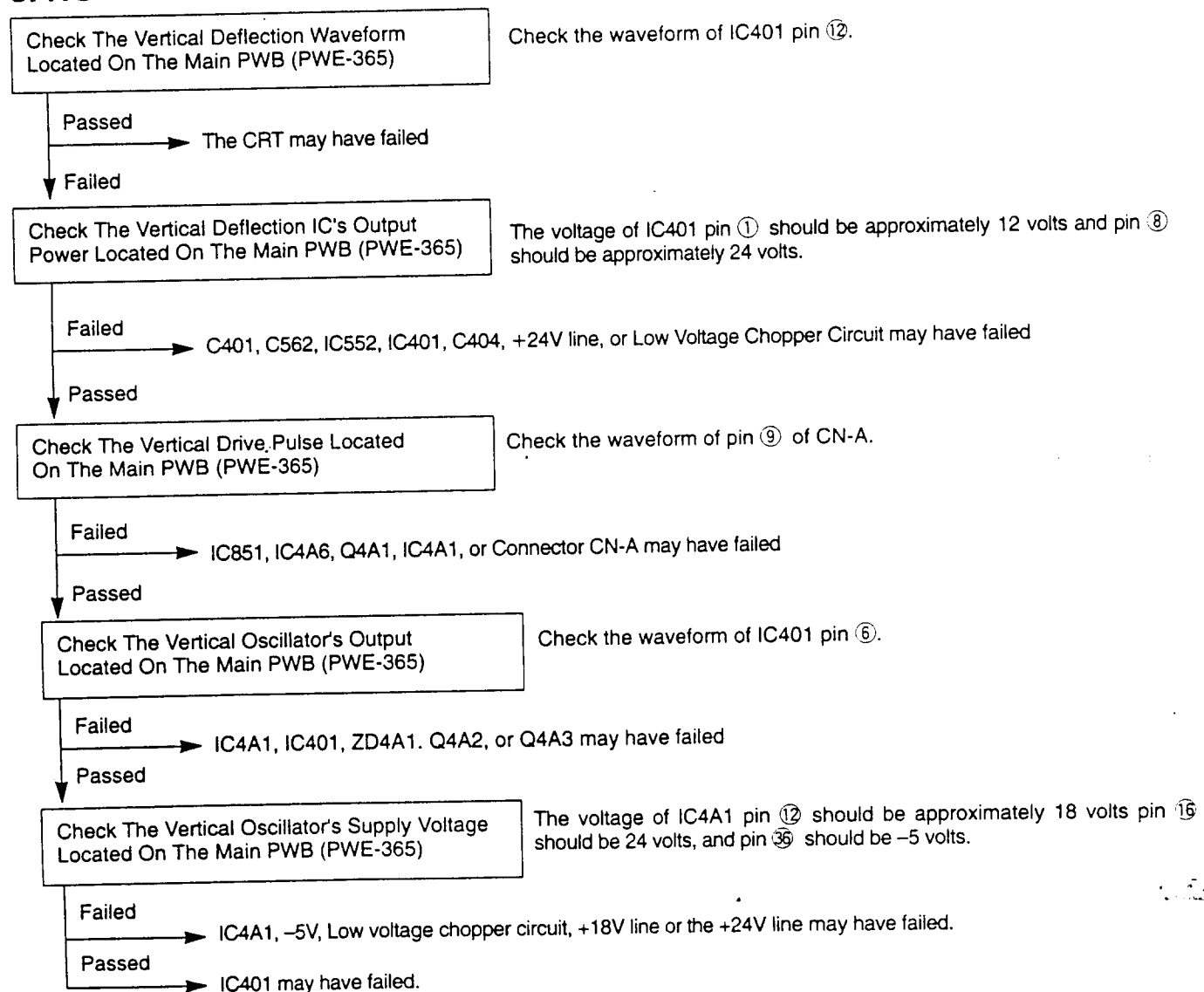
### 3. HIGH VOLTAGE FAILURE



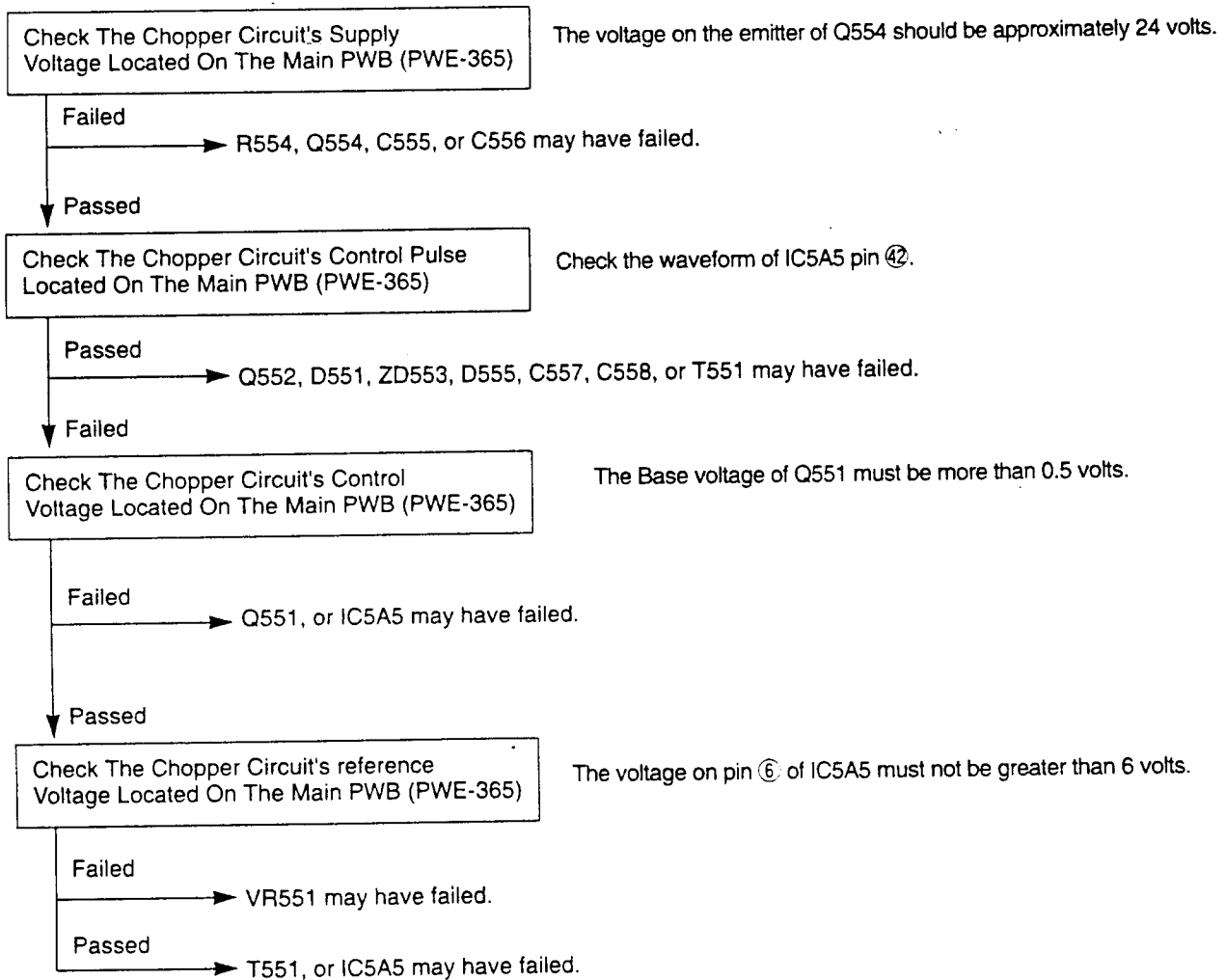
## 4. NO HORIZONTAL DEFLECTION



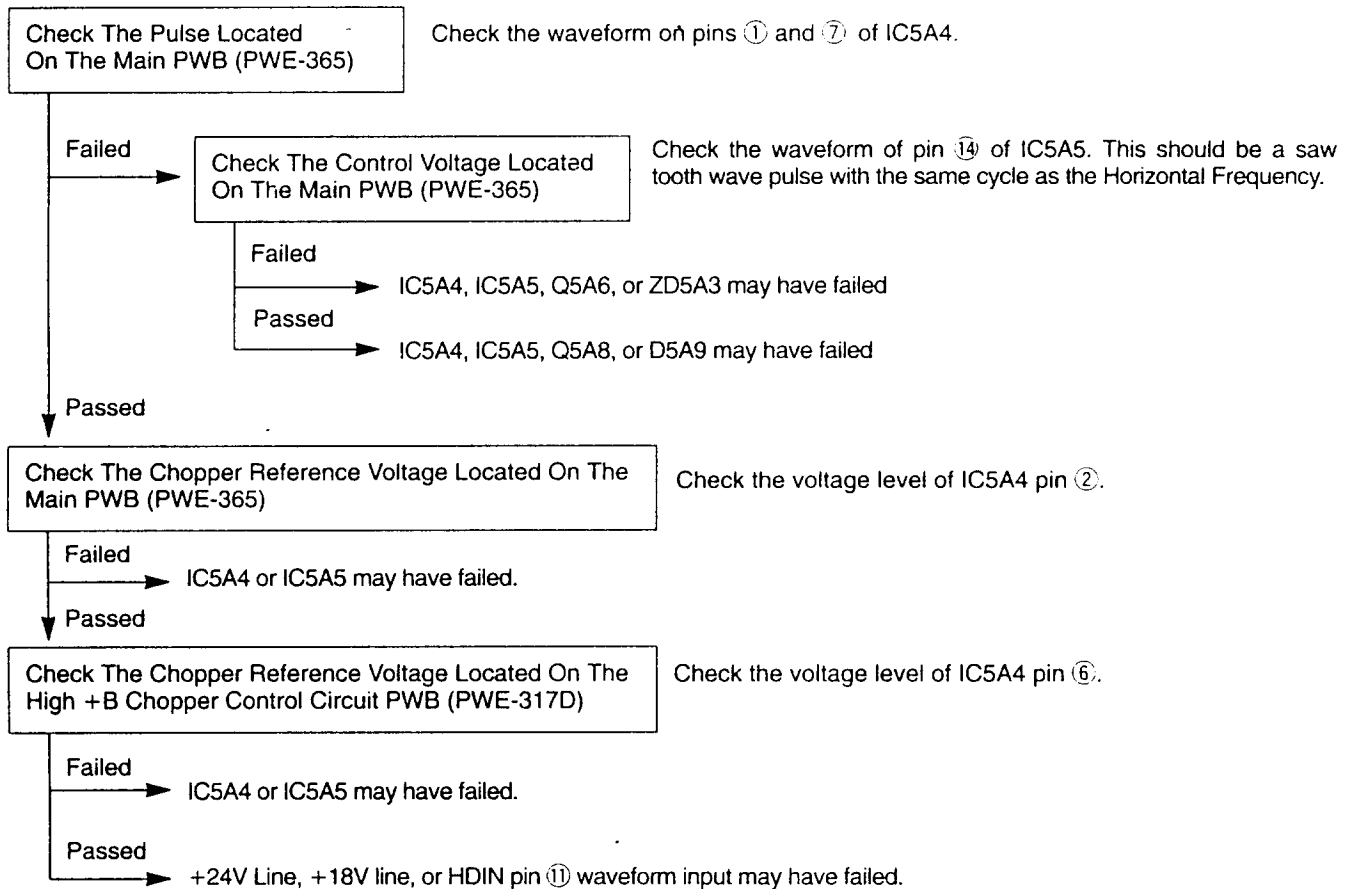
## 5. NO VERTICAL DEFLECTION



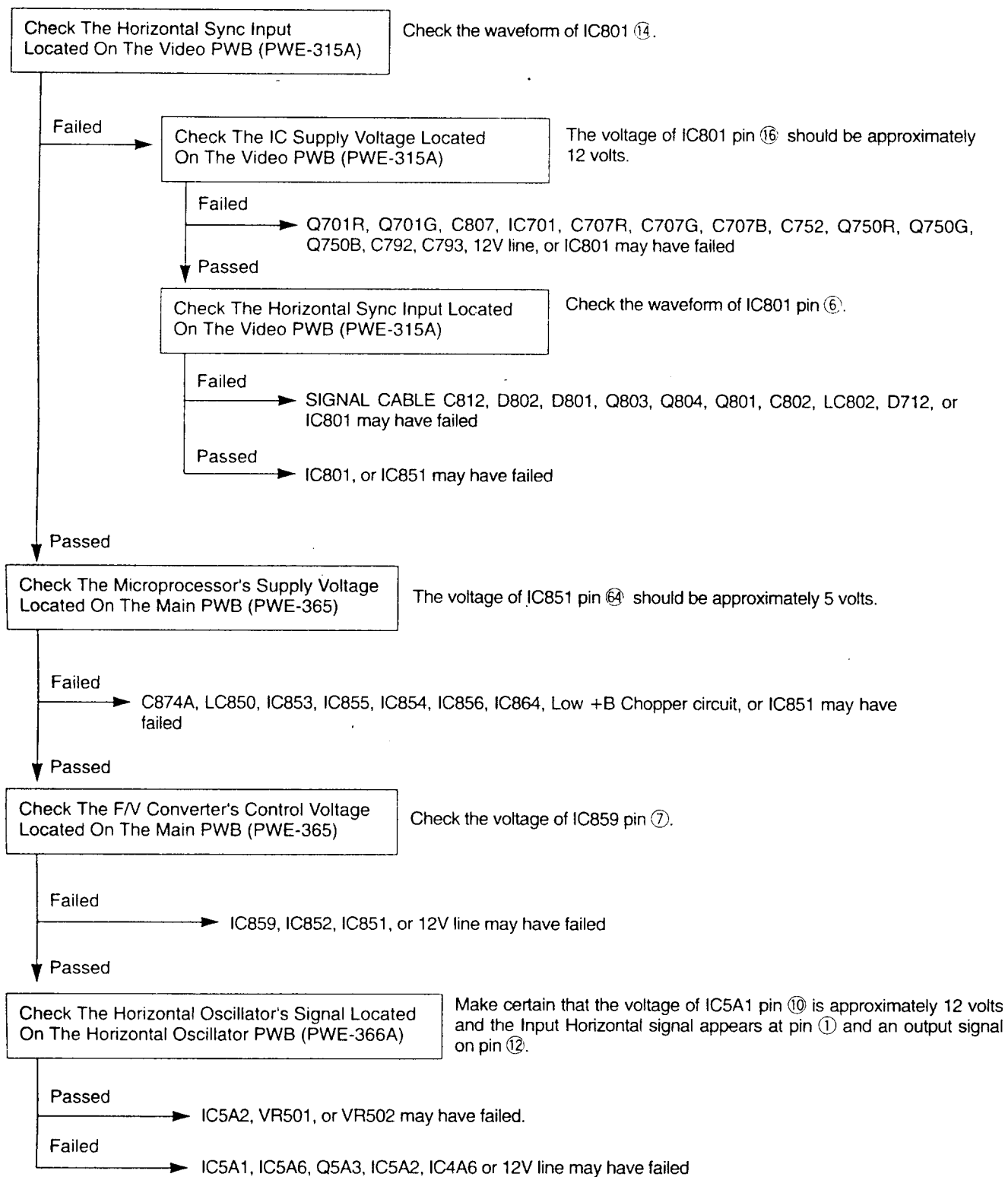
## 6. LOW +B CHOPPER CONTROL CIRCUIT OR THE HEATER SUPPLY VOLTAGE FAILURE



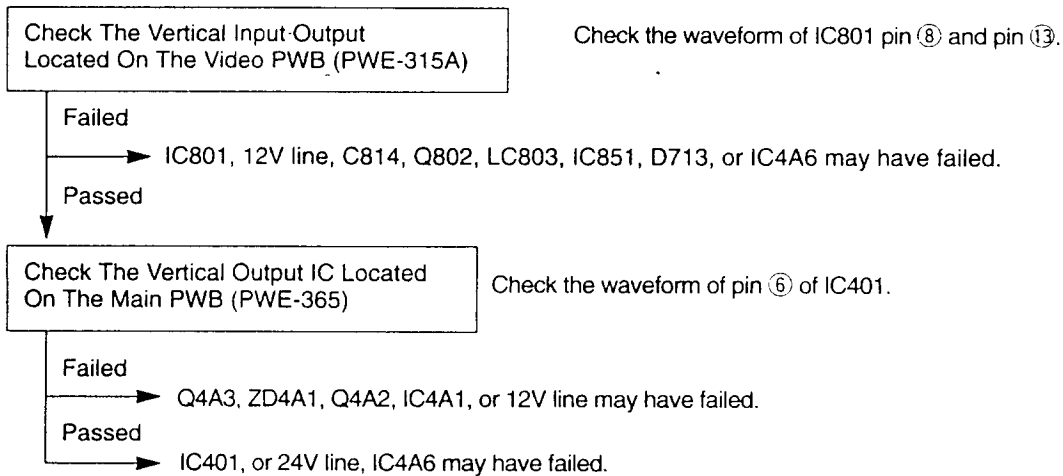
## 7. HIGH +B CHOPPER CONTROL CIRCUIT OR THE +B FOR THE HIGH VOLTAGE OR DEFLECTION CIRCUIT FAILURE



## 8. UNSTABLE HORIZONTAL SYNCHRONIZATION



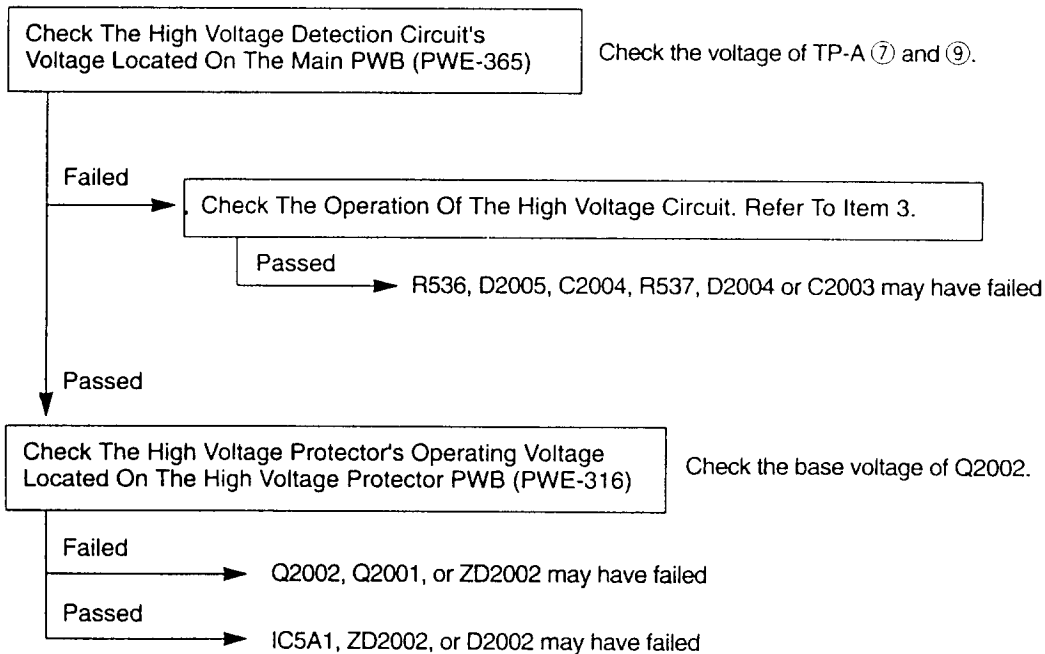
## 9. UNSTABLE VERTICAL SYNCHRONIZATION



## 10. HIGH VOLTAGE PROTECTORS INCORRECT OPERATION OR FAILURE

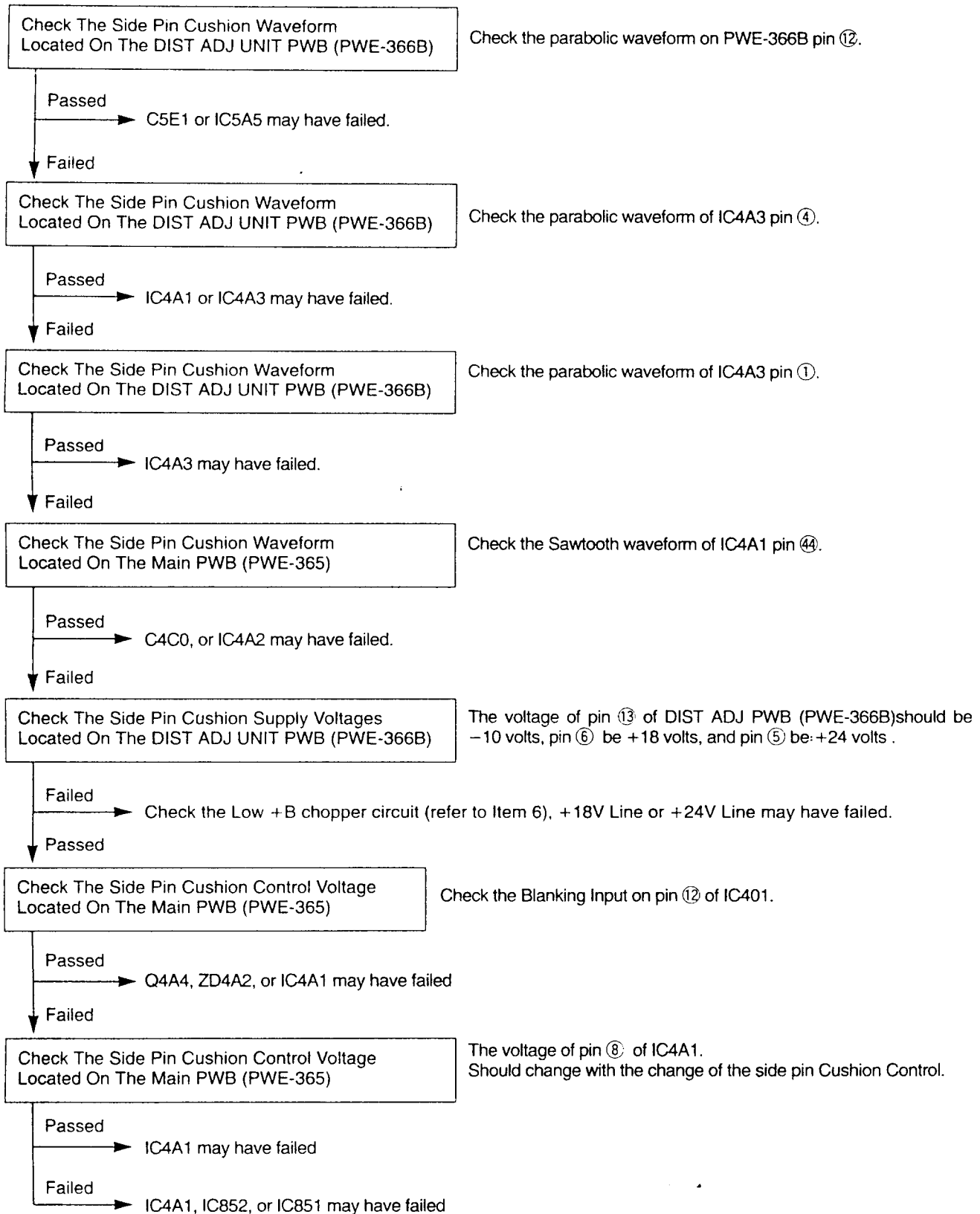
**CAUTION:** When the High Voltage circuit is operating, the Horizontal Deflection Circuit is also operating. Therefore, the collector of Q505 has a high voltage pulse of an average value of 900 Vp-p.

Check the following items before manually operating the High Voltage Protector Circuits. The High Voltage Protector Circuits need a few seconds after the power has been turned OFF to reset.



## 11. SIDE PIN CUSHION FAILURE

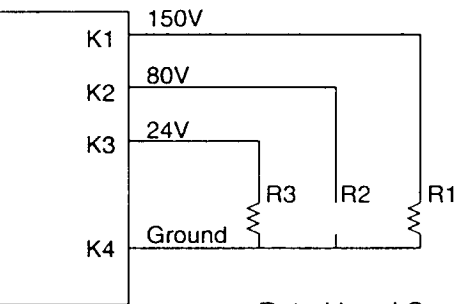
The following can be used when the Side Pin Cushion Control In Mode 2 is not operating properly or the Side Pin Cushion Control level is not enough:



# 12. SWITCHING REGULATOR POWER SUPPLY UNIT FAILURE

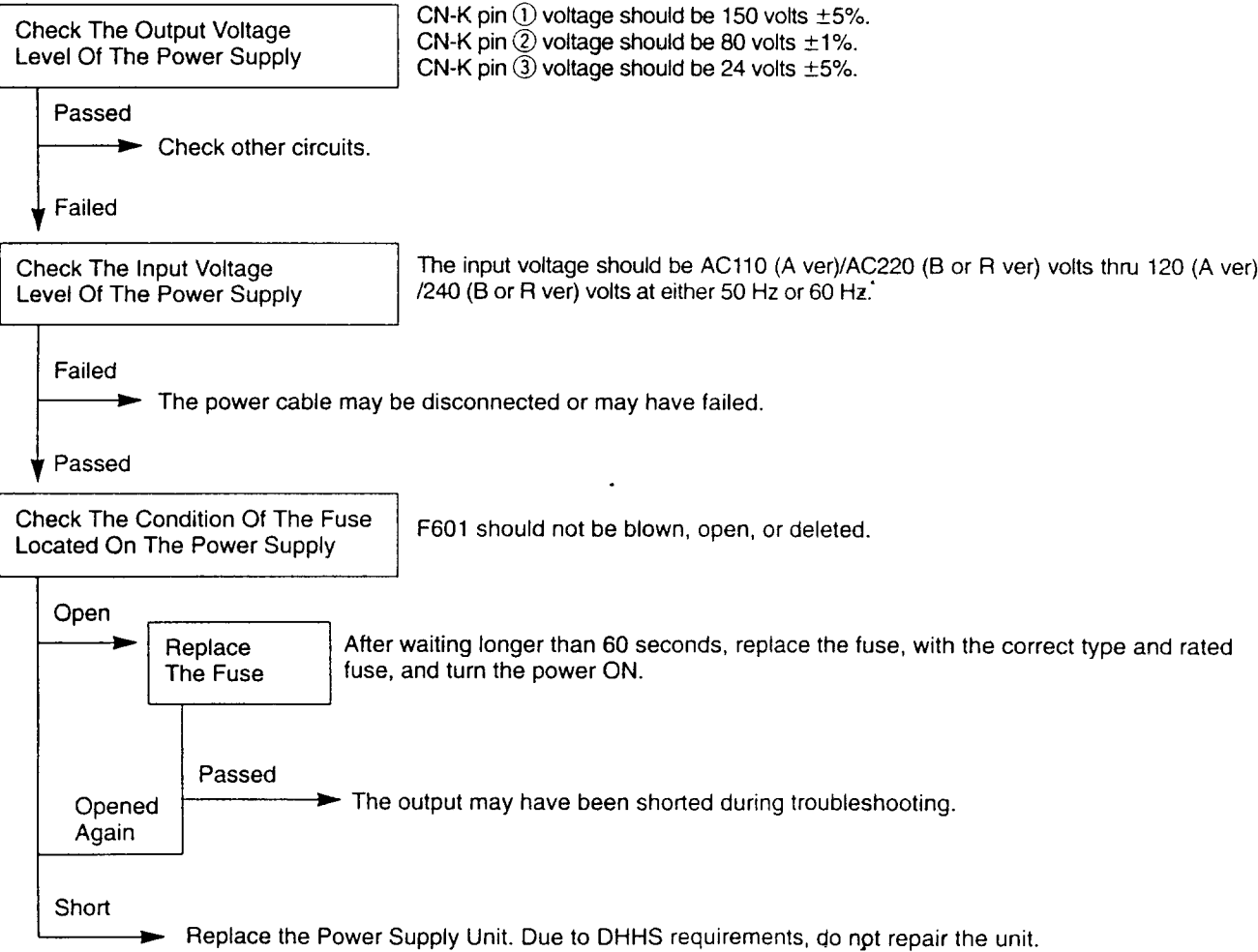
The following can be used either for unstable power output or no output at all:

Before this Troubleshooting section is used the power supply should be turned OFF. Disconnection the CN-K connector and connect the Dummy Load Resistors with the proper rating value shown below. Wait for a minimum of 60 seconds before turning the unit ON again.

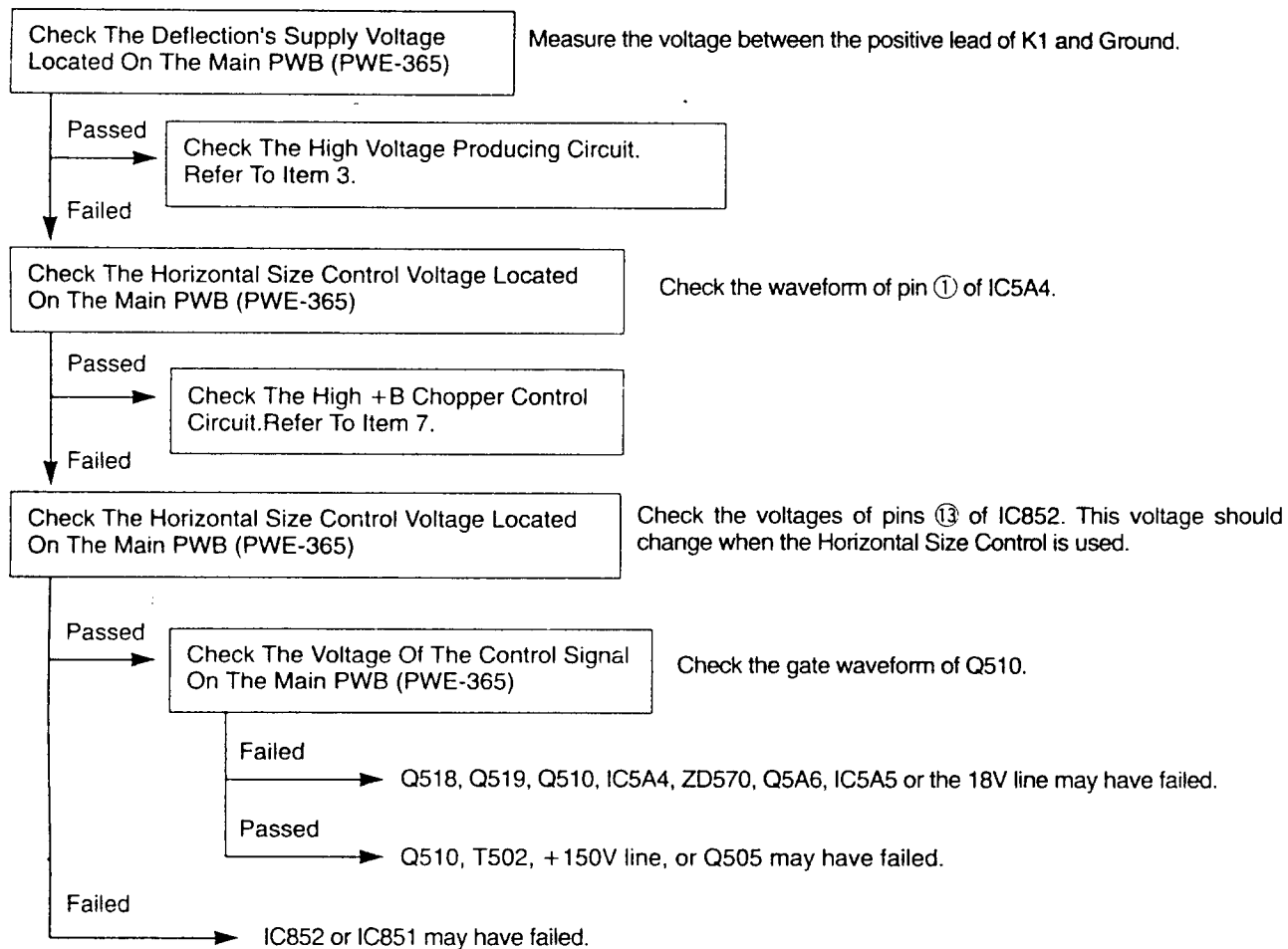


K1	150V	R1	80mA2.6K $\Omega$ ±10% 40W
K2	80V	R2	0A OPEN
K3	24V	R3	0.6A33 $\Omega$ ±10% 43W

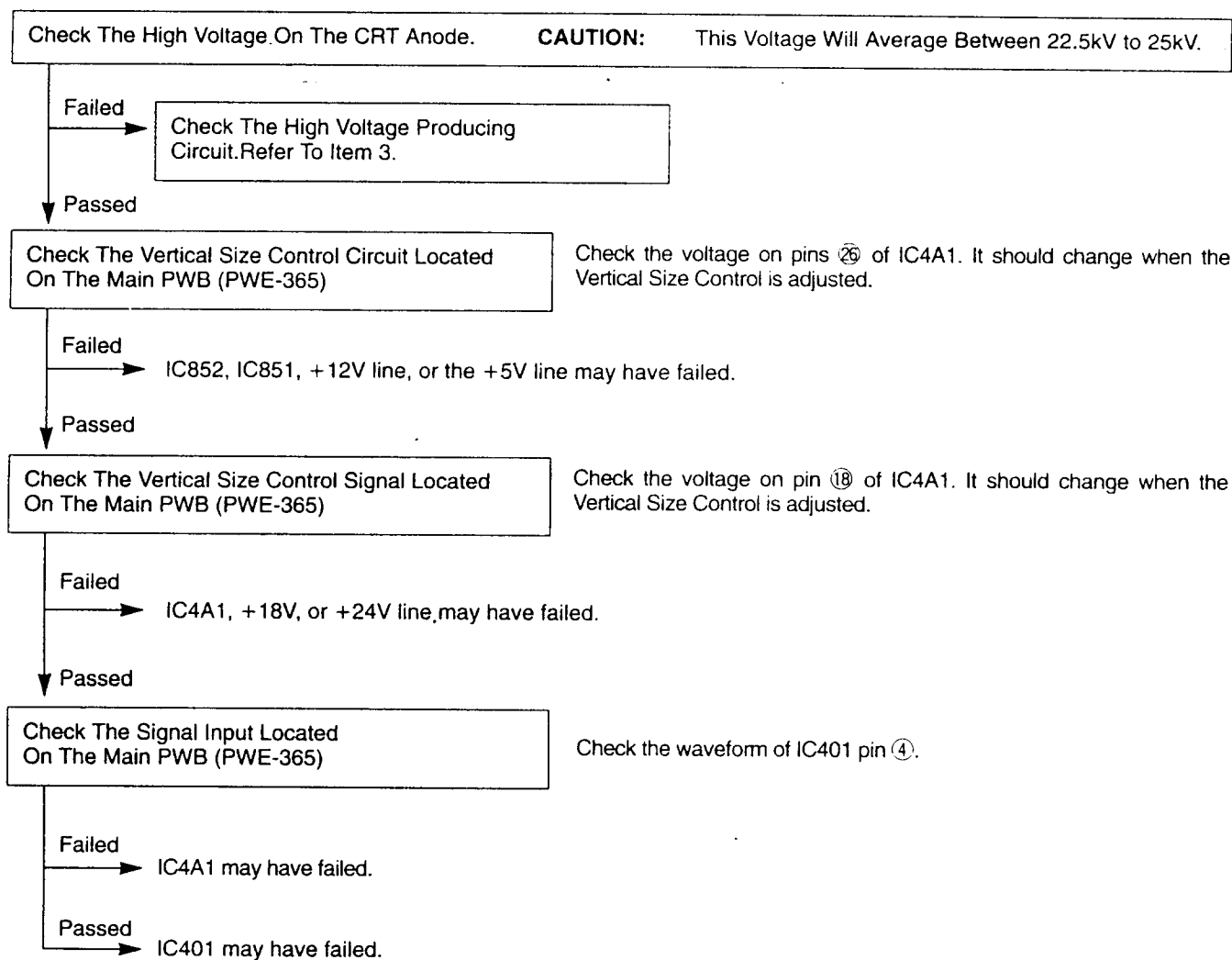
Rated Load Current And Resistor Value



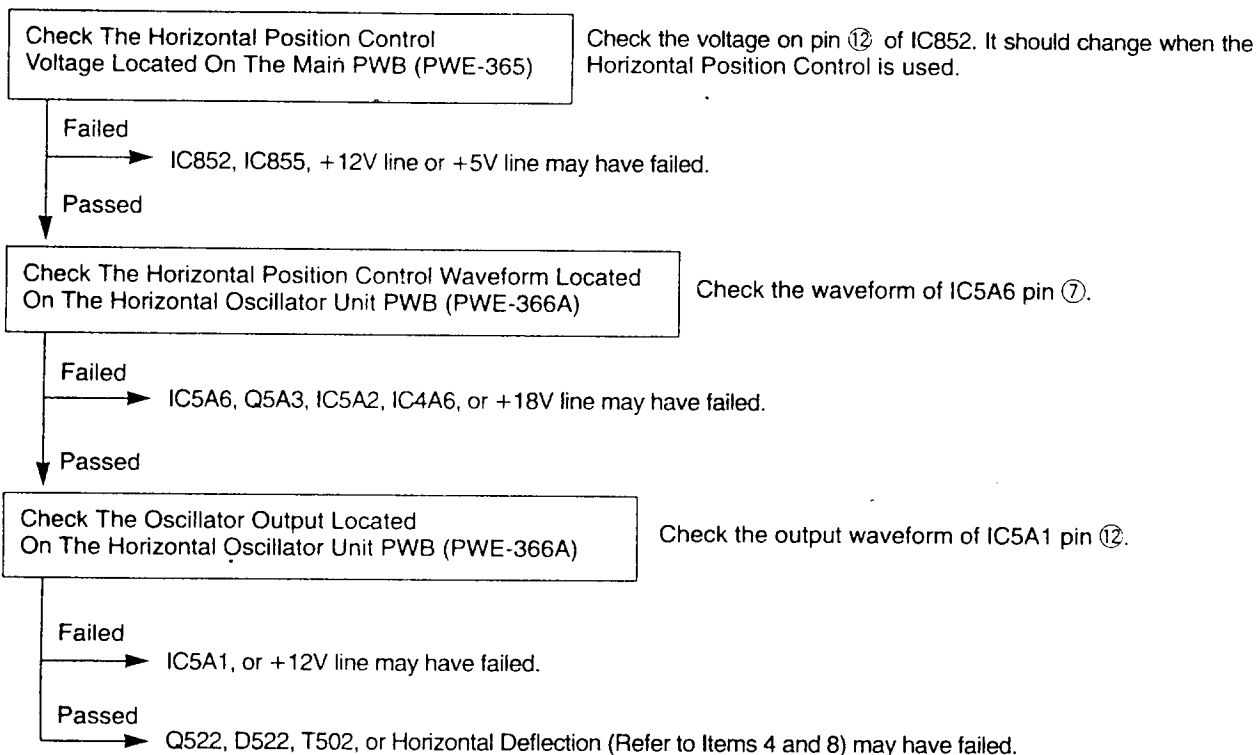
### 13. HORIZONTAL IMAGE SIZE FAILURE OR ABNORMAL FUNCTION



## 14. VERTICAL IMAGE SIZE FAILURE OR ABNORMAL OPERATION

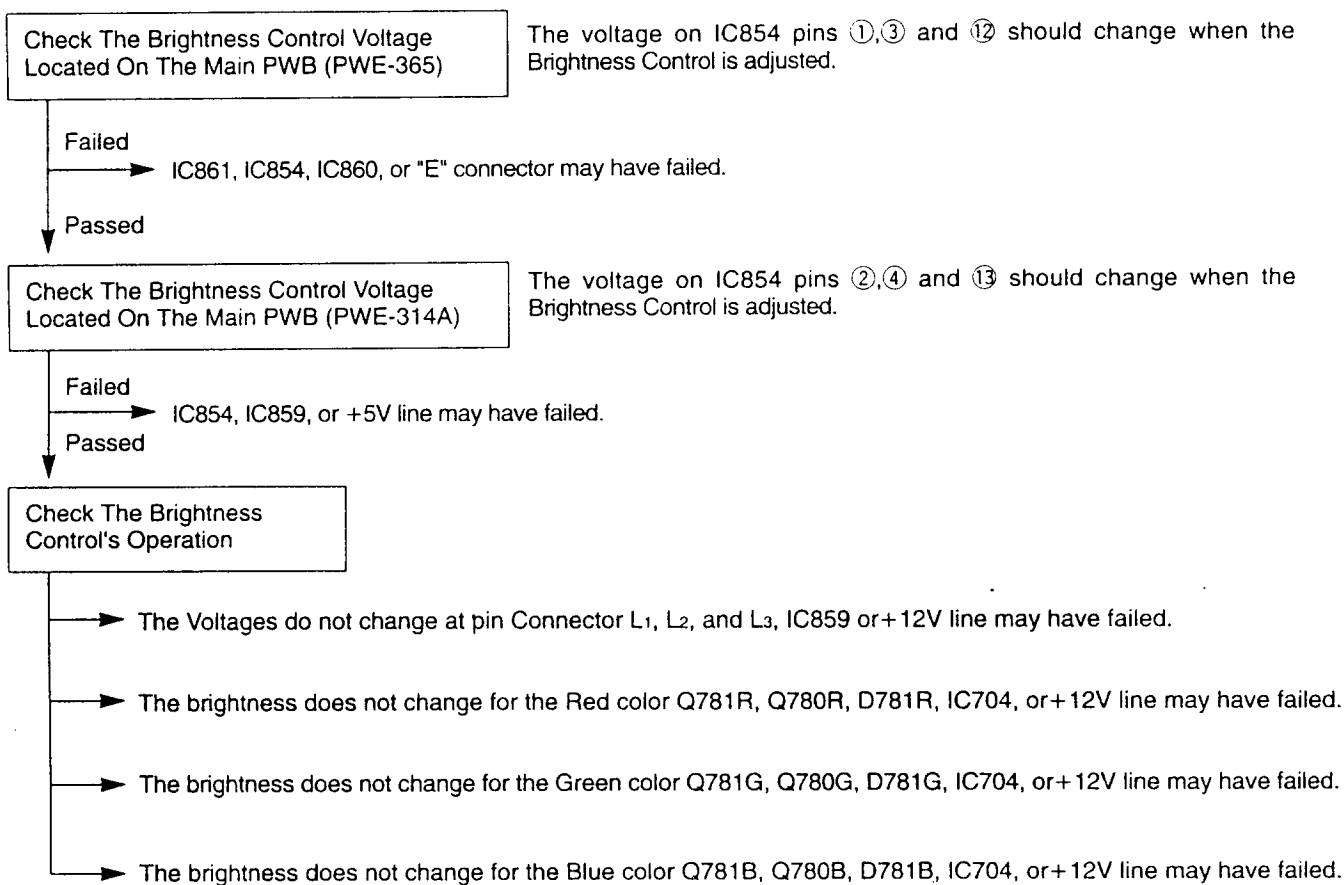


## 15. ABNORMAL HORIZONTAL IMAGE POSITION FAILURE

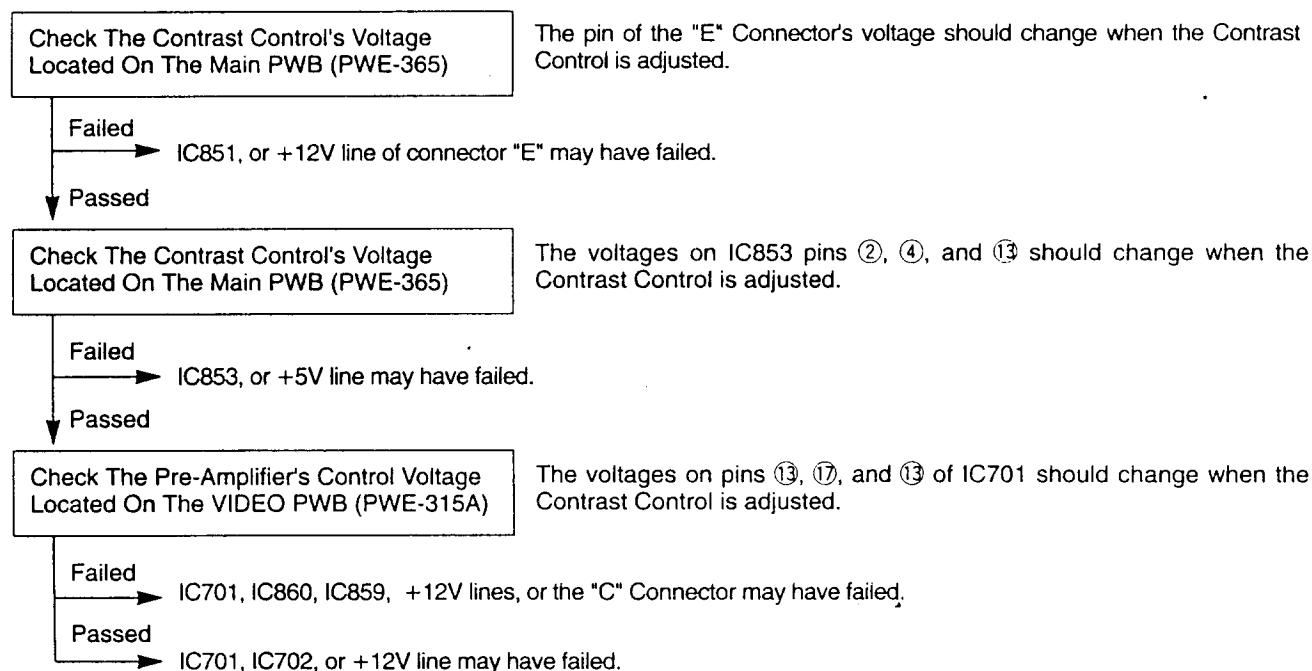


## 16. USER CONTROL FAILURE

### 16-1. BRIGHTNESS USER CONTROL FAILURE



### 16-2. CONTRAST USER CONTROL FAILURE



### 16-3. HORIZONTAL POSITION CONTROL FAILURE OR ABNORMAL OPERATION

Check The Horizontal Position Control Circuit. Refer To Item 14.

When the Horizontal Position Control Switches (SW104 and SW103) are pressed the voltage on pin ⑫ of IC852 should change.

Failed

→ SW103, SW104, IC852, +5V line, +12V line, or IC851 may have failed.

### 16-4. VERTICAL POSITION CONTROL FAILURE OR ABNORMAL OPERATION

Check The Vertical Position Control Voltage Located On The Main PWB (PWE-365)

When the Vertical Position Control Switches (SW107 and SW108) are pressed the voltage on pin ⑭ of IC852 should change.

Failed

→ SW107, SW108, IC852, +5V line, +12V line, or IC851 may have failed.

Passed

→ IC401, Q401, Q402, +24V line, +12V line, or IC4A1 may have failed.

### 16-5. HORIZONTAL SIZE CONTROL FAILURE OR ABNORMAL OPERATION

Check The Horizontal Position Control Voltage Located On The Main PWB (PWE-365)

The voltage of IC852 pin ⑬ should change when the Horizontal Size Control Switches (SW101 and SW102) are pressed.

Failed

→ SW101, SW102, IC852, +5V Line, +12V Line, or IC851 may have failed.

Passed

Check The High +B Chopper Control Circuit. Refer To Item 7.

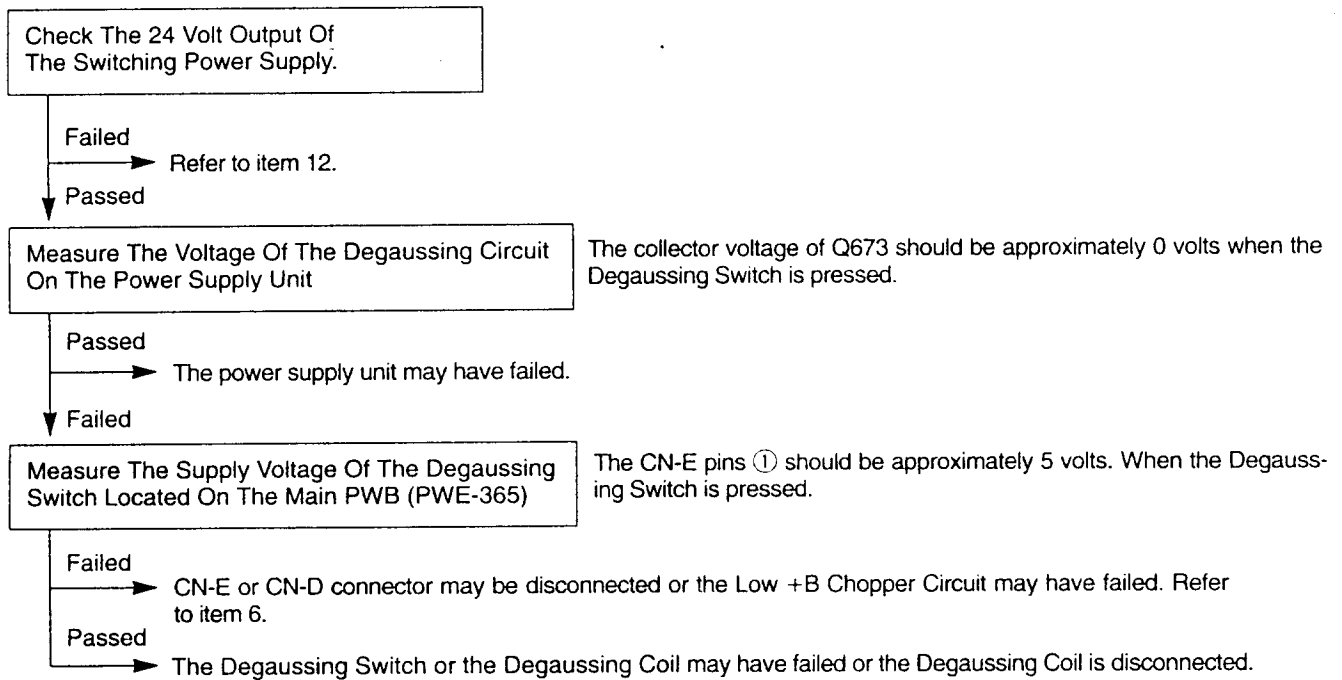
### 16-6. VERTICAL SIZE CONTROL FAILURE OR ABNORMAL OPERATION

IC852, SW105, SW106, +12V line, +24V line, IC4A1, or IC401 may have failed.

### 16-7. SIDE PIN CUSHION CONTROL FAILURE OR ABNORMAL OPERATION

Check the Side Pin Cushion Circuit. Refer to item 11.

## 16-8. MANUAL DEGAUSS SWITCH NOT OPERATIVE



# REPLACEMENT PARTS LIST

The components specified for Model JC-1531VMA-2(H)

Note: The components identified by  $\Delta$  make are critical for safety.

Replace only with parts Number specified.

JC-1531  
VMA-2(H)

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* CRT & TUNER \*\*\*

$\Delta$ CRT	33015544	CRT M36KLH690X14(Y)
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\*\*\* ICS \*\*\*

IC4A1	37056963	IC UPC5203CU-025
IC4A2	37056877	IC NJM4200D (MULTIPLIER)
IC4A3	37056877	IC NJM4200D (MULTIPLIER)
IC4A4	37051036	MOS UPD4066BC
IC4A5	37011206	IC XRA10358 (OP-AMP)
IC4A6	37053133	MOS TC74HC123P
IC401	37056689	IC LA7837
$\Delta$ IC5A1	37056217	IC LA7850
IC5A2	37056962	IC UPC5202CU-017
IC5A3	37011262	IC XRA10393 (COMP)
IC5A4	37011262	IC XRA10393 (COMP)
IC5A5	37056961	IC UPC5202CU-014
IC5A6	37011262	IC XRA10393 (COMP)
IC501	37053337	MOS XRU4538B (MULTIPLIER)
IC551	37005210	IC UPC24M18HF (REG)
IC552	37005193	IC PQ12RF11 (REG)
IC553	37005182	IC LM7812C (REG)
IC701	37056814	IC M52035P
IC702	37056923	IC M52307P
IC703	37056872	IC VPS08N
IC704	37011210	IC XRA10324 (O OP-AMP)
IC801	37056867	IC M52036SP
$\Delta$ IC851	37056973	MOS UPD78C12AGQ-A89-36
IC852	37056813	IC M62359P
IC853	37056812	IC M62362P
IC854	37056812	IC M62362P
IC855	37055401	MOS XRM93C56B-E
IC856	371E1514	IC PST529D-2(T) (VOLTAGE D)
IC858	37011206	IC XRA10358 (OP-AMP)
IC859	37056917	IC XRA10324A (O OP-AMP)
IC864	37903232	IC LM2940CT-5.0

SYMBOL	PARTS NO	DESCRIPTION
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Q551	350E3218	TR 2SC1740S-T R
Q552	35122100	TR 2SK703
Q553	350K5718	TR 2SA933S-T R
Q554	35026216	TR 2SB772 P
Q591	350K4518	TR 2SA933-T R
Q592	35056311	TR 2SC2688 K
Q701B	350J3016	TR 2SC2926S-T P
Q701G	350J3016	TR 2SC2926S-T P
Q701R	350J3016	TR 2SC2926S-T P
Q704	351G0601	TR DTC114ES-T
Q705	350E3218	TR 2SC1740S-T R
Q721	350E3218	TR 2SC1740S-T R
Q722	350K4518	TR 2SA933-T R
Q750B	350J4604	TR 2SC3776-AA D
Q750G	350J4604	TR 2SC3776-AA D
Q750R	350J4604	TR 2SC3776-AA D
Q770	350E3218	TR 2SC1740S-T R
Q771	350E3218	TR 2SC1740S-T R
Q772	350K4518	TR 2SA933-T R
Q780B	350K5217	TR 2SA1018-TA O
Q780G	350K5217	TR 2SA1018-TA O
Q780R	350K5217	TR 2SA1018-TA O
Q781B	350H4417	TR 2SC1473-TA O
Q781G	350H4417	TR 2SC1473-TA O
Q781R	350H4417	TR 2SC1473-TA O
Q801	350K4518	TR 2SA933-T R
Q802	350K4518	TR 2SA933-T R
Q803	351G0652	TR DTC113ZS-T
Q804	351G0602	TR DTC144ES-T
Q805	351G0601	TR DTC114ES-T
Q806	351G0601	TR DTC114ES-T
Q851	351G0656	TR DTC143XS-T
Q852	350E3218	TR 2SC1740S-T R
Q853	35069805	TR 2SD1763 E

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* TRANSISTORS \*\*\*

Q4A1	350E3218	TR 2SC1740S-T R
Q4A2	351G0602	TR DTC144ES-T
Q4A3	350E3218	TR 2SC1740S-T R
Q4A4	351G0601	TR DTC114ES-T
Q401	350J2717	TR 2SC3377-T O
Q402	359K7618	TR 2SA1515 R
Q404	351G0602	TR DTC144ES-T
Q406	351G0602	TR DTC144ES-T
Q431	350E3218	TR 2SC1740S-T R
Q432	350E3218	TR 2SC1740S-T R
Q5A1	350E3218	TR 2SC1740S-T R
Q5A2	350K5717	TR 2SA933S-T O
Q5A3	350H5017	TR 2SC3811-TA O
Q5A5	350E3218	TR 2SC1740S-T R
Q5A6	351G0601	TR DTC114ES-T
Q5F1	350K5717	TR 2SA933S-T O
Q5H1	350H5018	TR 2SC3811-TA R
Q501	350E3218	TR 2SC1740S-T R
Q502	350K4519	TR 2SA933-T S
Q503	35122700	TR 2SK699
$\Delta$ Q504	35031112	TR 2SB1096 L
Q505	35070100	TR HPA100
Q506	35122500	TR 2SK758
Q507	35122500	TR 2SK758
Q508	35127300	TR 2SK947-M
Q509	351G0656	TR DTC143XS-T
Q510	35125400	TR 1RF9610
Q511	350C1218	TR 2SB1329-T105 R
Q512	350G1018	TR 2SD2005-T105 R
Q513	350E4311	TR 2SC2C01-T K
Q514	350K4412	TR 2SA952 L.AT
Q515	35125500	TR 1RPF40
Q517	35125400	TR 1RF9610
Q518	350E3218	TR 2SC1740S-T R
Q519	350K5718	TR 2SA933S-T R
Q520	350E3218	TR 2SC1740S-T R
Q521	350K5718	TR 2SA933S-T R
Q522	350H5017	TR 2SC3811-TA O

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* DIODES \*\*\*

D101	360K1027	DIODE 1SS132
D102	360K1027	DIODE 1SS132
D103	360K1027	DIODE 1SS132
D104	360K1027	DIODE 1SS132
D105	360K1027	DIODE 1SS132
D106	360K1027	DIODE 1SS132
D107	360K1027	DIODE 1SS132
D108	360K1027	DIODE 1SS132
D109	360K1027	DIODE 1SS132
D110	360K1027	DIODE 1SS132
D111	360K1027	DIODE 1SS132
D112	360K1027	DIODE 1SS132
D113	360K1027	DIODE 1SS132
D114	360K1027	DIODE 1SS132
D115	360K1027	DIODE 1SS132
D116	360K1027	DIODE 1SS132
D118	36801342	LED GL3EG8
D119	36801331	LED SLR-54MT3F/PO
D120	36801331	LED SLR-54MT3F/PO
$\Delta$ D2004	361K7562	DIODE EGP10G G23
$\Delta$ D2005	361K7562	DIODE EGP10G G23
D401	361K7160	DIODE TVR06G G23
D402	360K1027	DIODE 1SS132
D403	360K1027	DIODE 1SS132
D5A1	360K1027	DIODE 1SS132
D5A2	360K1027	DIODE 1SS132
D5A3	360K1027	DIODE 1SS132
D5A4	360K1027	DIODE 1SS132
D5A5	360K1027	DIODE 1SS132
D5A6	360K1027	DIODE 1SS132
D5A7	360K1027	DIODE 1SS132
D5A8	360K1027	DIODE 1SS132
D5A9	360K1027	DIODE 1SS132
D5C1	369K2135	DIODE RGP10G.AT
D5E1	380K5054	VARIATOR MA29W-A (TP)
D5E2	380K5054	VARIATOR MA29W-A (TP)
D501	36107293	DIODE RK14
D503	36107560	DIODE RG2A2

SYMBOL	PARTS NO	DESCRIPTION
△D504	36107560	DIODE RG2A2
△D505	360K1027	DIODE 1SS132
△D506	360K1027	DIODE 1SS132
D507	360K1027	DIODE 1SS132
D508	36107507	DIODE RG4
D509	361K7160	DIODE TVR06G G23
D510	361K7562	DIODE EGP10G G23
D511	361K7562	DIODE EGP10G G23
D512	361K7562	DIODE EGP10G G23
D513	361K7562	DIODE EGP10G G23
D514	361K7160	DIODE TVR06G G23
D517	360K1027	DIODE 1SS132
D518	36107507	DIODE RG4
D519	361K7160	DIODE TVR06G G23
D521	361K7560	DIODE 1SR35-400A
D522	360K1027	DIODE 1SS132
D523	360K1027	DIODE 1SS132
D551	361K7630	DIODE EU 2YX V1
D552	361K7160	DIODE TVR06G G23
D553	361K7562	DIODE EGP10G G23
D555	360K1027	DIODE 1SS132
D556	360K1027	DIODE 1SS132
D557	361K7562	DIODE EGP10G G23
D558	361K7562	DIODE EGP10G G23
D571	360K1027	DIODE 1SS132
D591	360K1027	DIODE 1SS132
D592	360K1032	DIODE 1SS82-TA
D593	360K1032	DIODE 1SS82-TA
D701	360K1027	DIODE 1SS132
D702	360K1027	DIODE 1SS132
D703	360K1027	DIODE 1SS132
D704	360K1027	DIODE 1SS132
D705	360K1027	DIODE 1SS132
D706	360K1027	DIODE 1SS132
D707	360K1027	DIODE 1SS132
D708	360K1027	DIODE 1SS132
D709	360K1027	DIODE 1SS132
D710	360K1027	DIODE 1SS132
D711	360K1027	DIODE 1SS132

SYMBOL	PARTS NO	DESCRIPTION
D712	360K1027	DIODE 1SS132
D713	360K1027	DIODE 1SS132
D715B	360K1027	DIODE 1SS132
D715G	360K1027	DIODE 1SS132
D715R	360K1027	DIODE 1SS132
D720	360K1027	DIODE 1SS132
D721	380K5054	VARIATOR MA29W-A (TP)
D722	360K1027	DIODE 1SS132
D7608	360K1032	DIODE 1SS82-TA
D7606	360K1032	DIODE 1SS82-TA
D760R	360K1032	DIODE 1SS82-TA
D761B	360K1032	DIODE 1SS82-TA
D761G	360K1032	DIODE 1SS82-TA
D761R	360K1032	DIODE 1SS82-TA
D781B	360K1032	DIODE 1SS82-TA
D781G	360K1032	DIODE 1SS82-TA
D781R	360K1032	DIODE 1SS82-TA
D782	360K1037	DIODE 1SS83
D801	360K1027	DIODE 1SS132
D802	360K1027	DIODE 1SS132
D803	360K1027	DIODE 1SS132
Z04A1	360A0039	DIODE MTZJ5. 6B T-72
Z04A2	360K3694	DIODE R022ESB(1)/ESAB(1)
Z0401	360A0094	DIODE MTZJ20D
Z0402	360K3602	DIODE R02 0ESB(1)-T4
Z05A2	360A0035	DIODE MTZJ5. 1B T-72
Z05A3	360A0056	DIODE MTZJ8. 2C T-72
Z05A4	360A0054	DIODE MTZJ8. 2A T-72
Z05A5	360A0035	DIODE MTZJ5. 1B T-72
Z0502	360K3143	DIODE R08. 2JSB(1)-T4
Z0503	360K3659	DIODE R09. 1ESB(2)-T4
Z0504	360K3834	DIODE MTZ11ABC T-72
Z0507	360K3660	DIODE R09. 1ESB(3)-T4
Z0510	360K3658	DIODE R09. 1ESB(1)-T4
Z0553	360K3134	DIODE R015EB(2)-T4
Z0557	360K3655	DIODE R08. 2ESB(2)/ESAB(2)
Z0558	360K3655	DIODE R08. 2ESB(2)/ESAB(2)
Z0559	360K3655	DIODE R08. 2ESB(2)/ESAB(2)
Z0560	360K3624	DIODE R03. 9ESB(2)-T4

SYMBOL	PARTS NO	DESCRIPTION
Z0561	360K3624	DIODE R03. 9ESB(2)-T4
Z0562	360K3624	DIODE R03. 9ESB(2)-T4
Z0563	360K3635	DIODE R05. 1ESB(2)-T4
Z0570	36003662	DIODE R010ESB (1)
Z0760	360A0056	DIODE MTZJ8. 2C T-72
Z0851	360K3634	DIODE R05. 1ESB(1)-T4
Z0852	360A0030	DIODE MTZJ4. 7A T-72
Z0853	360A0038	DIODE MTZJ5. 6A T-72
Z0854	360A0009	DIODE MTZJ2. 4B T-72

\*\*\* TRANSFORMERS \*\*\*

L507	46206002	TRANS. CHOKE 8MH
T501	45804009	TRANS. H. DRIVE
T502	47710014	TRANS. H. OUT
T503	47105673	F. B. T
T551	46304113	TRANS. CONVERTER

\*\*\* VARIABLE RESISTORS \*\*\*

VR101	41011121	R. VARIABLE B50K
VR102	41011121	R. VARIABLE B50K
VR401	41071359	R. VARIABLE B2 2K
VR402	41071363	R. VARIABLE B10K
VR403	41087010	R. VARIABLE 20K 0.2W
VR404	410G1167	R. VARIABLE B47K
VR431	410G1161	R. VARIABLE B4.7K
VR501	410G1163	R. VARIABLE B10K
VR502	41087006	R. VARIABLE B2K
VR503	41087005	R. VARIABLE B1K
VR505	415K5158	R. VARIABLE B10K
VR551	41071360	R. VARIABLE B3.3K
VR552	41599203	R. VARIABLE B200H
VR701	410G2060	R. VARIABLE B20K
VR702	410G2060	R. VARIABLE B20K
VR703	410G2060	R. VARIABLE B20K
VR704	410G2061	R. VARIABLE B30
VR705	410G2061	R. VARIABLE B30
VR706	410G2061	R. VARIABLE B30
VR707	410G2062	R. VARIABLE B50K
VR708	410G2062	R. VARIABLE B50K
VR709	410G2062	R. VARIABLE B50K

SYMBOL	PARTS NO	DESCRIPTION
VR710	410G2064	R. VARIABLE B200K
VR851	41018255	R. VARIABLE B1K
VR852	41087005	R. VARIABLE B1K
VR854	410G1159	R. VARIABLE B2 2K

\*\*\* RELAYS & SWITCHES \*\*\*

△RL501	65660013	RELAY VE 24HME-K
RL502	65660028	RELAY SY-24W-K
SW	65360027	SWITCH. PUSH BUTTON
SW101	653F0033	SWITCH. PUSH BUTTON
SW102	653F0033	SWITCH. PUSH BUTTON
SW103	653F0033	SWITCH. PUSH BUTTON
SW104	653F0033	SWITCH. PUSH BUTTON
SW105	653F0033	SWITCH. PUSH BUTTON
SW106	653F0033	SWITCH. PUSH BUTTON
SW107	653F0033	SWITCH. PUSH BUTTON
SW108	653F0033	SWITCH. PUSH BUTTON
SW109	653F0033	SWITCH. PUSH BUTTON
SW110	653F0033	SWITCH. PUSH BUTTON
SW111	65161059	SWITCH. SLIDE 1-6L-3NS
SW112	65161048	SWITCH. SLIDE

\*\*\* COILS & FILTERS \*\*\*

DG	61315104	COIL. DEGAUSSING
FC701	39013039	C. NETWORK 25V 0.1UF
FC850	39013039	C. NETWORK 25V 0.1UF
FC851	39013041	C. NETWORK 25V 0.1UF
FC852	39013044	C. NETWORK 25V 0.1UF
FC853	39013041	C. NETWORK 25V 0.1UF
FL001	61062076	POWER LINE FILTER
FR850	390C0437	R. NETWORK 3*10K 5% 1/8W
FR851	390C0432	R. NETWORK 6*10K 5% 1/8W
FR852	390C0451	R. NETWORK 10K 5% 1/8W
LC701	390J9027	FILTER ZJSC-R12-100TA
LC702	390J9027	FILTER ZJSC-R12-100TA
LC703	390J9027	FILTER ZJSC-R12-100TA
LC760	616K6945	NOISE FILTER TH18103MA
LC781	616K6027	NOISE FILTER 2A222-TA
LC782	616K6966	NOISE FILTER

SYMBOL	PARTS NO	DESCRIPTION
LC783	616K6028	NOISE FILTER 1H223X-TA
LC801	61606822	NOISE FILTER 50V 47UH
LC802	390J9015	FILTER ZJSC-2R2-101TA
LC803	390J9015	FILTER ZJSC-2R2-101TA
LC804	390J9015	FILTER ZJSC-2R2-101TA
LC805	390J9015	FILTER ZJSC-2R2-101TA
LC850	616K6718	NOISE FILTER 10000UH
LC901	616K6028	NOISE FILTER 1H223X-TA
LC902	616K6075	NOISE FILTER
L401	610F7025	COIL.FILTER 47UH
LSA1	610E1717	COIL.FILTER 10UH
LSA2	610E1717	COIL.FILTER 10UH
LSA3	610E1717	COIL.FILTER 10UH
LSA4	610E1717	COIL.FILTER 10UH
△L501	60919130	COIL.H.LIN
△L502	60919130	COIL.H.LIN
△L503	61070180	COIL.CHOKE 4MH
△L504	61070235	FILTER CHOKE 4MH
△L505	610F3025	COIL.FILTER 47UH
△L509	610F3025	COIL.FILTER 47UH
△L510	61070181	COIL.CHOKE PJ87-102K
△L512	61070181	COIL.CHOKE PJ87-102K
△L551	610F3025	COIL.FILTER 47UH
△L552	610F3025	COIL.FILTER 47UH
△L553	610F7018	COIL.FILTER 12UH
△L701B	610E1726	COIL.FILTER 56UH
△L701C	610E1726	COIL.FILTER 56UH
△L701R	610E1726	COIL.FILTER 56UH
△L720	610E1729	COIL.FILTER 100UH
△L761	610E1711	COIL.FILTER 3.3UH
△L801	610F7010	COIL.FILTER 2.7UH
△L901	610F5804	COIL.FILTER 0.47UH
△L902	610F5804	COIL.FILTER 0.47UH
△L903	610F5804	COIL.FILTER 0.47UH

\*\*\* PWB ASSYS \*\*\*

	84M40C01	VIDEO PWB ASSY
	84M40E01	UNIT PWB ASSY
	84M42F01	MAIN PWB ASSY
	84N44L01	CONTROL PWB ASSY

SYMBOL	PARTS NO	DESCRIPTION
*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***		
	70032056	CRT SOCKET
	74004891	CAP
CABLE	73893128	SIGNAL.CABLE (MD15P-11P)K
CORD	70810757	LINE CORD 3P L=1.8
HS401	31709202	SHEET.INSULATOR
HS505	31709507	SHEET.INSULATOR HEAT SINK
HS515	31709505	SHEET.INSULATOR
L506	49801010	INDUCTOR DUMMY
SG901	329J0047	ARRESTER (300V).AT52
SG902	329J0047	ARRESTER (300V).AT52
SG903	329J0047	ARRESTER (300V).AT52
SG904	329J0047	ARRESTER (300V).AT52
SG905	667K6007	SPARK GAP 1.5KV
△SW-PS	31102029	SW.REG.UNIT (SMP-120BB)
△UNIT2	79100031	UNIT 2 (HV PROTECTOR)
X1	64099072	CRYSTAL RESONATOR

\*\*\* APPEARANCE PARTS \*\*\*

	25779892	NAME PLATE,INSTRUCTION(720N)
	25313822	CABINET BOTTOM
	25419001	REVOLVING STAND ASSY
	25317591	CABINET FRONT ASSY
	25313791	CABINET BACK ASSY
	25419021	REVOLVING SPINDLE
	25534631	COIL SPRING
	25757643	LABEL(REV.)

\*\*\* KNOBS & PUSH BUTTONS \*\*\*

	25454671	PUSH BUTTON (SW)
	25454681	KNOB CONTROL
	25454691	KNOB.SLIDE

\*\*\* PRINTED & PACKING MATERIALS \*\*\*

	24813191	BAG.POLYETHYLENE(150*370)
	25607291	SLIDE SHEET
	25823181	FILLER (T) CARTON
	25823192	FILLER (B) CARTON

SYMBOL	PARTS NO	DESCRIPTION
	25825501	SHEET.PROTECTION
	25828821	CARTON BOX(JC-1531VMA-2)
	78034408	MONITOR SALES OFFICE LIST
	78127512	INSTRUCTION BOOK

\*\*\* RESISTORS \*\*\*

C790	401J9820	R.CARBON 0.0H
R101	401J9820	R.CARBON 0.0H
R105	401H5671	R.CARBON 820H 5% 1/2W
R106	401K5659	R.CARBON 270H 5% 1/6W
	401K5697	R.CARBON 10K 5% 1/6W
R4A0	404C1723	R.METAL 120K 1% 1/6W
R4A1	404C1704	R.METAL 20K 1% 1/6W
R4A2	404C1723	R.METAL 120K 1% 1/6W
R4A3	404C1704	R.METAL 20K 1% 1/6W
R4A5	404C1723	R.METAL 120K 1% 1/6W
R4A6	404C1723	R.METAL 120K 1% 1/6W
R4A7	404C1697	R.METAL 10K 1% 1/6W
R4A8	404C1733	R.METAL 330K 1% 1/6W
R4A9	404C1727	R.METAL 180K 1% 1/6W
R4C0	404C1727	R.METAL 180K 1% 1/6W
R4C1	404C1727	R.METAL 180K 1% 1/6W
R4C2	404C1727	R.METAL 180K 1% 1/6W
R4C3	404C1727	R.METAL 180K 1% 1/6W
R4C4	404C1727	R.METAL 180K 1% 1/6W
R4C5	404C1727	R.METAL 180K 1% 1/6W
R4C6	401K5731	R.CARBON 270K 5% 1/6W
R4C7	404C1727	R.METAL 180K 1% 1/6W
R4C8	401K5681	R.CARBON 2.2K 5% 1/6W
R4C9	401K5677	R.CARBON 1.5K 5% 1/6W
R4D0	401K5647	R.CARBON 82H 5% 1/6W
R4D1	404C1704	R.METAL 20K 1% 1/6W
R4D2	401K5721	R.CARBON 100K 5% 1/6W
R4D3	401K5625	R.CARBON 10H 5% 1/6W
R4D5	404C1713	R.METAL 47K 1% 1/6W
R4D6	404C1737	R.METAL 470K 1% 1/6W
R4D7	401K5705	R.CARBON 22K 5% 1/6W
R4D8	404C1728	R.METAL 200K 1% 1/6W
R4D9	401K5689	R.CARBON 4.7K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R4E0	401K5705	R.CARBON 22K 5% 1/6W
R4E1	401K5697	R.CARBON 10K 5% 1/6W
R4E2	401K5697	R.CARBON 10K 5% 1/6W
R4E3	401K5697	R.CARBON 10K 5% 1/6W
R4E4	401K5697	R.CARBON 10K 5% 1/6W
R401	401K5709	R.CARBON 33K 5% 1/6W
R402	401K5683	R.CARBON 2.7K 5% 1/6W
R403	403F2103	R.METAL OXIDE 1.2H 5% 2W
R404	404C1703	R.METAL 18K 1% 1/6W
R405	404C1703	R.METAL 18K 1% 1/6W
R406	401K5709	R.CARBON 33K 5% 1/6W
R407	401H5651	R.CARBON 120H 5% 1/2W
R408	401K5611	R.CARBON 2.7H 5% 1/6W
R409	401K5721	R.CARBON 100K 5% 1/6W
R410	403F2151	R.METAL OXIDE 120H 5% 2W
△R411	401G6117	R.CARBON 4.7H 5% 1/4W
R412	401K5689	R.CARBON 4.7K 5% 1/6W
R413	401K5673	R.CARBON 1.0K 5% 1/6W
R414	401K5673	R.CARBON 1.0K 5% 1/6W
R415	401K5661	R.CARBON 330H 5% 1/6W
R420	401K5673	R.CARBON 1.0K 5% 1/6W
R421	404C1728	R.METAL 200K 1% 1/6W
R422	401K5689	R.CARBON 4.7K 5% 1/6W
R423	404C1740	R.METAL 620K 1% 1/6W
R425	404C1700	R.METAL 13K 1% 1/6W
R426	404C1724	R.METAL 130K 1% 1/6W
R427	404C1697	R.METAL 10K 1% 1/6W
R431	401K5689	R.CARBON 4.7K 5% 1/6W
R432	401K5673	R.CARBON 1.0K 5% 1/6W
R433	401K5713	R.CARBON 47K 5% 1/6W
R434	401K5713	R.CARBON 47K 5% 1/6W
R435	401K5689	R.CARBON 4.7K 5% 1/6W
R436	401K5689	R.CARBON 4.7K 5% 1/6W
R437	401K5681	R.CARBON 2.2K 5% 1/6W
RS41	401K5673	R.CARBON 1.0K 5% 1/6W
RS42	401K5705	R.CARBON 22K 5% 1/6W
RS43	401K5689	R.CARBON 4.7K 5% 1/6W
RS44	401K5697	R.CARBON 10K 5% 1/6W
RS45	401K5691	R.CARBON 5.6K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5A6	401K5705	R.CARBON 22K 5% 1/6W
R5A7	401K5699	R.CARBON 12K 5% 1/6W
R5A8	401K5687	R.CARBON 3.9K 5% 1/6W
R5A9	401K5677	R.CARBON 1.5K 5% 1/6W
R5C0	404C1705	R.METAL 22K 1% 1/6W
R5C1	404C1711	R.METAL 39K 1% 1/6W
R5C3	401K5635	R.CARBON 27H 5% 1/6W
R5C4	401K5689	R.CARBON 4.7K 5% 1/6W
R5C5	401K5683	R.CARBON 2.7K 5% 1/6W
R5C7	404C1699	R.METAL 12K 1% 1/6W
R5C8	404C1684	R.METAL 3.0K 1% 1/6W
R5C9	401K5697	R.CARBON 10K 5% 1/6W
R5D1	401K5745	R.CARBON 1.0M 5% 1/6W
R5D2	404C1697	R.METAL 10K 1% 1/6W
R5D4	401K5697	R.CARBON 10K 5% 1/6W
R5D5	401K5695	R.CARBON 8.2K 5% 1/6W
R5D6	404C1707	R.METAL 27K 1% 1/6W
R5D8	404C1673	R.METAL 1.0K 1% 1/6W
R5D9	404C1685	R.METAL 3.3K 1% 1/6W
R5E1	404C1697	R.METAL 10K 1% 1/6W
R5E2	404C1731	R.METAL 270K 1% 1/6W
R5E3	404C1733	R.METAL 330K 1% 1/6W
R5E4	401K5745	R.CARBON 1.0M 5% 1/6W
△R5E5	401K5693	R.CARBON 6.8K 5% 1/6W
R5E6	401K5709	R.CARBON 33K 5% 1/6W
R5E7	401K5705	R.CARBON 22K 5% 1/6W
R5E8	401K5691	R.CARBON 5.6K 5% 1/6W
R5E9	401K5695	R.CARBON 8.2K 5% 1/6W
R5F0	401K5745	R.CARBON 1.0M 5% 1/6W
R5F1	401K5695	R.CARBON 8.2K 5% 1/6W
R5F2	401K5675	R.CARBON 1.2K 5% 1/6W
R5F3	401K5697	R.CARBON 10K 5% 1/6W
R5F4	401K5715	R.CARBON 56K 5% 1/6W
R5F5	401K5697	R.CARBON 10K 5% 1/6W
R5F6	401K5691	R.CARBON 5.6K 5% 1/6W
R5F7	401K5721	R.CARBON 100K 5% 1/6W
R5F8	401C6761	R.CARBON 4.7M 5% 1/4W
R5F9	401K5721	R.CARBON 100K 5% 1/6W
R5G0	401K5697	R.CARBON 10K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R524	401K5635	R.CARBON 8.2K 5% 1/6W
R525	401K5721	R.CARBON 100K 5% 1/6W
R526	401K5733	R.CARBON 330K 5% 1/6W
R527	404C1695	R.METAL 8.2K 1% 1/6W
R528	404C1673	R.METAL 1.0K 1% 1/6W
R529	401K5697	R.CARBON 10K 5% 1/6W
R530	404C1697	R.METAL 10K 1% 1/6W
R531	401C6677	R.CARBON 1.5K 5% 1/4W
R532	401C6629	R.CARBON 15H 5% 1/4W
△R533	401H5687	R.CARBON 3.9K 5% 1/2W
R534	401K5731	R.CARBON 270K 5% 1/6W
R535	401K5729	R.CARBON 220K 5% 1/6W
△R536	401G6109	R.CARBON 2.2H 5% 1/4W
R537	401G6109	R.CARBON 2.2H 5% 1/4W
R538	401G6109	R.CARBON 2.2H 5% 1/4W
△R540	403F1107	R.METAL 1.8H 5% 1W
R541	401H5697	R.CARBON 10K 5% 1/2W
R544	401C6673	R.CARBON 1.0K 5% 1/4W
R545	401C6697	R.CARBON 10K 5% 1/4W
R546	401K5733	R.CARBON 330K 5% 1/6W
R547	401K5733	R.CARBON 330K 5% 1/6W
R548	40372133	R.METAL 22H 5% 2W
R549	404C1739	R.METAL 560K 1% 1/6W
R553	401K5689	R.CARBON 4.7K 5% 1/6W
△R554	403F1101	R.METAL OXIDE 1H 5% 1W
△R555	401G6101	R.CARBON 1.0H 5% 1/4W
R559	401K5697	R.CARBON 10K 5% 1/6W
R560	401H5681	R.CARBON 2.2K 5% 1/2W
R561	401H5665	R.CARBON 470H 5% 1/2W
R562	404C1724	R.METAL 130K 1% 1/6W
R563	401K5681	R.CARBON 2.2K 5% 1/6W
△R570	401G6133	R.CARBON 22H 5% 1/4W
△R571	401G6133	R.CARBON 22H 5% 1/4W
R572	401H5693	R.CARBON 6.8K 5% 1/2W
R573	401K5697	R.CARBON 10K 5% 1/6W
R574	401K5697	R.CARBON 10K 5% 1/6W
R575	401C6689	R.CARBON 4.7K 5% 1/4W
R576	401K5705	R.CARBON 22K 5% 1/6W
R577	401K5673	R.CARBON 1.0K 5% 1/6W
R578	403F1177	R.METAL OXIDE 1.5K 5% 1W

SYMBOL	PARTS NO	DESCRIPTION
R5G1	401K5701	R.CARBON 15K 5% 1/6W
R5G2	401K5705	R.CARBON 22K 5% 1/6W
R5G3	401K5713	R.CARBON 47K 5% 1/6W
R5G4	401K5745	R.CARBON 1.0M 5% 1/6W
R5G5	401K5697	R.CARBON 10K 5% 1/6W
R5G6	401K5691	R.CARBON 5.6K 5% 1/6W
R5G7	401K5697	R.CARBON 10K 5% 1/6W
R5G8	401K5709	R.CARBON 33K 5% 1/6W
R5H2	401K5665	R.CARBON 470H 5% 1/6W
R5H3	401K5697	R.CARBON 10K 5% 1/6W
R5H4	401K5693	R.CARBON 6.8K 5% 1/6W
R5H5	401K5697	R.CARBON 10K 5% 1/6W
R5J0	401H5653	R.CARBON 150H 5% 1/2W
R5J2	403F2165	R.METAL 470H 5% 2W
R5K1	401K5715	R.CARBON 56K 5% 1/6W
R5K2	401K5715	R.CARBON 56K 5% 1/6W
R5K3	401K5715	R.CARBON 56K 5% 1/6W
R5L7	401K5697	R.CARBON 10K 5% 1/6W
R501	401K5675	R.CARBON 1.2K 5% 1/6W
R502	401K5661	R.CARBON 330H 5% 1/6W
R504	401C6673	R.CARBON 1.0K 5% 1/4W
R505	401K5673	R.CARBON 1.0K 5% 1/6W
△R506	40175137	R.CARBOX 33H 5% 1/4W
△R507	40801004	R.FUSE 1.0H 500MA
R508A	403F2145	R.METAL 68H 5% 2W
R508B	403F1137	R.METAL 33H 5% 1W
R509	401C6657	R.CARBON 220H 5% 1/4W
R510	40216266	R.WIRE 2.4H 5% 7W
R511	40372107	R.METAL 1.8H 5% 2W
△R512	401H6653	R.CARBON 150H 5% 1/2W
R513	401C6657	R.CARBON 220H 5% 1/4W
R514	401K5649	R.CARBON 100H 5% 1/6W
R515	401K5649	R.CARBON 100H 5% 1/6W
R516	401K5649	R.CARBON 100H 5% 1/6W
△R518	401G6101	R.CARBON 1.0H 5% 1/4W
△R519	401G6101	R.CARBON 1.0H 5% 1/4W
R520	401G6167	R.CARBON 560H 5% 1/4W
△R521	401G6143	R.CARBON 56H 5% 1/4W
R522	401C6657	R.CARBON 220H 5% 1/4W
R523	401C6697	R.CARBON 10K 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R580	401K5625	R.CARBON 10H 5% 1/6W
R581	401K5625	R.CARBON 10H 5% 1/6W
R582	401K5625	R.CARBON 10H 5% 1/6W
R583	401K5619	R.CARBON 5.6H 5% 1/6W
R591	401K5697	R.CARBON 10K 5% 1/6W
R592	401K5713	R.CARBON 47K 5% 1/6W
R593	401K5697	R.CARBON 10K 5% 1/6W
R594	401K5691	R.CARBON 5.6K 5% 1/6W
R595	401K5721	R.CARBON 100K 5% 1/6W
R701B	404K2646	R.METAL 75H 1% 1/4W
R701G	404K2646	R.METAL 75H 1% 1/4W
R701R	404K2646	R.METAL 75H 1% 1/4W
R702B	401K5695	R.CARBON 8.2K 5% 1/6W
R702G	401K5695	R.CARBON 8.2K 5% 1/6W
R702R	401K5695	R.CARBON 8.2K 5% 1/6W
R703B	401K5697	R.CARBON 10K 5% 1/6W
R703G	401K5697	R.CARBON 10K 5% 1/6W
R703R	401K5697	R.CARBON 10K 5% 1/6W
R704B	401K5659	R.CARBON 270H 5% 1/6W
R704G	401K5659	R.CARBON 270H 5% 1/6W
R704R	401K5659	R.CARBON 270H 5% 1/6W
R705B	401K5667	R.CARBON 560H 5% 1/6W
R705G	401K5667	R.CARBON 560H 5% 1/6W
R705R	401K5667	R.CARBON 560H 5% 1/6W
R706B	401K5673	R.CARBON 1.0K 5% 1/6W
R706G	401K5673	R.CARBON 1.0K 5% 1/6W
R706R	401K5673	R.CARBON 1.0K 5% 1/6W
R710B	401K5653	R.CARBON 150H 5% 1/6W
R710G	401K5653	R.CARBON 150H 5% 1/6W
R710R	401K5653	R.CARBON 150H 5% 1/6W
R711B	401K5669	R.CARBON 680H 5% 1/6W
R711G	401K5669	R.CARBON 680H 5% 1/6W
R711R	401K5669	R.CARBON 680H 5% 1/6W
R712B	401K5649	R.CARBON 100H 5% 1/6W
R712G	401K5649	R.CARBON 100H 5% 1/6W
R712R	401K5649	R.CARBON 100H 5% 1/6W
R713B	401K5705	R.CARBON 22K 5% 1/6W
R713G	401K5705	R.CARBON 22K 5% 1/6W
R713R	401K5705	R.CARBON 22K 5% 1/6W
R716	401K5695	R.CARBON 8.2K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R717	401K5697	R.CARBON 10K 5% 1/6W
R718	401K5649	R.CARBON 100H 5% 1/6W
R720B	401K5687	R.CARBON 3.9K 5% 1/6W
R720G	401K5687	R.CARBON 3.9K 5% 1/6W
R720R	401K5687	R.CARBON 3.9K 5% 1/6W
R721	404C1700	R.METAL 13K 1% 1/6W
R722	404C1709	R.METAL 33K 1% 1/6W
R723	404C1682	R.METAL 2.4K 1% 1/6W
R724	404C1663	R.METAL 390H 1% 1/6W
R726B	401K5669	R.CARBON 680H 5% 1/6W
R726G	401K5669	R.CARBON 680H 5% 1/6W
R726R	401K5669	R.CARBON 680H 5% 1/6W
R727	401K5699	R.CARBON 12K 5% 1/6W
R728	401K5691	R.CARBON 5.6K 5% 1/6W
R729	401K5689	R.CARBON 4.7K 5% 1/6W
R730	401K5689	R.CARBON 4.7K 5% 1/6W
R731B	401J9820	R.CARBON 0.0H
R731R	401J9820	R.CARBON 0.0H
R733	401K5649	R.CARBON 100H 5% 1/6W
R750B	401K5657	R.CARBON 220H 5% 1/6W
R750G	401K5657	R.CARBON 220H 5% 1/6W
R750R	401K5657	R.CARBON 220H 5% 1/6W
R751B	401K5655	R.CARBON 180H 5% 1/6W
R751G	401K5655	R.CARBON 180H 5% 1/6W
R751R	401K5655	R.CARBON 180H 5% 1/6W
R760B	401K5655	R.CARBON 180H 5% 1/6W
R760G	401K5655	R.CARBON 180H 5% 1/6W
R760R	401K5655	R.CARBON 180H 5% 1/6W
R761B	401C6635	R.CARBON 27H 5% 1/4W
R761G	401C6635	R.CARBON 27H 5% 1/4W
R761R	401C6635	R.CARBON 27H 5% 1/4W
R762	401K5667	R.CARBON 560H 5% 1/6W
R770	401K5673	R.CARBON 1.0K 5% 1/6W
R771	401K5673	R.CARBON 1.0K 5% 1/6W
R772	401K5679	R.CARBON 1.8K 5% 1/6W
R774B	401K5663	R.CARBON 390H 5% 1/6W
R774G	401K5663	R.CARBON 390H 5% 1/6W
R774R	401K5663	R.CARBON 390H 5% 1/6W
R775B	401K5673	R.CARBON 1.0K 5% 1/6W
R775G	401K5673	R.CARBON 1.0K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R8B6	401K5691	R.CARBON 5.6K 5% 1/6W
R8B7	401K5697	R.CARBON 10K 5% 1/6W
R8B8	401K5721	R.CARBON 100K 5% 1/6W
R8C0	401K5673	R.CARBON 1.0K 5% 1/6W
R8C1	404C1661	R.METAL 330H 1% 1/6W
R8C2	404C1663	R.METAL 390H 1% 1/6W
R8C3	401K5697	R.CARBON 10K 5% 1/6W
R8D0	401K5713	R.CARBON 47K 5% 1/6W
R8E0	401K5679	R.CARBON 1.8K 5% 1/6W
R8E1	404K5125	R.METAL 10H 5% 1/4W
R801	401K5711	R.CARBON 39K 5% 1/6W
R802	401K5707	R.CARBON 27K 5% 1/6W
R803	401K5679	R.CARBON 1.8K 5% 1/6W
R804	404C1705	R.METAL 22K 1% 1/6W
R805	401K5711	R.CARBON 39K 5% 1/6W
R806	401K5707	R.CARBON 27K 5% 1/6W
R807	401K5679	R.CARBON 1.8K 5% 1/6W
R808	401K5705	R.CARBON 22K 5% 1/6W
R809	401K5707	R.CARBON 27K 5% 1/6W
R810	401K5673	R.CARBON 1.0K 5% 1/6W
R811	401K5673	R.CARBON 1.0K 5% 1/6W
R812	401K5683	R.CARBON 2.7K 5% 1/6W
R813	401K5697	R.CARBON 10K 5% 1/6W
R814	401K5691	R.CARBON 5.6K 5% 1/6W
R815	401K5721	R.CARBON 100K 5% 1/6W
R816	401K5673	R.CARBON 1.0K 5% 1/6W
R817	401K5717	R.CARBON 68K 5% 1/6W
R819	401K5717	R.CARBON 68K 5% 1/6W
R821	401K5653	R.CARBON 150H 5% 1/6W
R822	401K5667	R.CARBON 560H 5% 1/6W
R823	401K5667	R.CARBON 560H 5% 1/6W
R825	401K5667	R.CARBON 560H 5% 1/6W
R826	401K5673	R.CARBON 1.0K 5% 1/6W
R827	401K5673	R.CARBON 1.0K 5% 1/6W
R830	401K5705	R.CARBON 22K 5% 1/6W
R840	401K5625	R.CARBON 10H 5% 1/6W
R841	401K5659	R.CARBON 270H 5% 1/6W
R841	401K5703	R.CARBON 18K 5% 1/6W
R842	401K5661	R.CARBON 330H 5% 1/6W
R842	401K5671	R.CARBON 820H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R775R	401K5673	R.CARBON 1.0K 5% 1/6W
R776	401K5653	R.CARBON 150H 5% 1/6W
R780B	401K5731	R.CARBON 270K 5% 1/6W
R780G	401K5731	R.CARBON 270K 5% 1/6W
R780R	401K5731	R.CARBON 270K 5% 1/6W
R781B	401K5729	R.CARBON 220K 5% 1/6W
R781G	401K5729	R.CARBON 220K 5% 1/6W
R781R	401K5729	R.CARBON 220K 5% 1/6W
R782B	401K5723	R.CARBON 120K 5% 1/6W
R782G	401K5723	R.CARBON 120K 5% 1/6W
R782R	401K5723	R.CARBON 120K 5% 1/6W
R783B	401K5709	R.CARBON 33K 5% 1/6W
R783G	401K5709	R.CARBON 33K 5% 1/6W
R783R	401K5709	R.CARBON 33K 5% 1/6W
R784B	401K5701	R.CARBON 15K 5% 1/6W
R784G	401K5701	R.CARBON 15K 5% 1/6W
R784R	401K5701	R.CARBON 15K 5% 1/6W
R785B	401K5703	R.CARBON 18K 5% 1/6W
R785G	401K5703	R.CARBON 18K 5% 1/6W
R785R	401K5703	R.CARBON 18K 5% 1/6W
R786	401K5749	R.CARBON 1.5M 5% 1/6W
R787	401K5673	R.CARBON 1.0K 5% 1/6W
R789	401K5753	R.CARBON 2.2M 5% 1/6W
R790	401K5689	R.CARBON 4.7K 5% 1/6W
R791	401K5697	R.CARBON 10K 5% 1/6W
R792	401K5685	R.CARBON 3.3K 5% 1/6W
R8A0	404C1708	R.METAL 30K 1% 1/6W
R8A1	404C1697	R.METAL 10K 1% 1/6W
R8A3	401K5697	R.CARBON 10K 5% 1/6W
R8A4	401K5665	R.CARBON 470H 5% 1/6W
R8A5	401K5685	R.CARBON 3.3K 5% 1/6W
R8A6	401K5681	R.CARBON 2.2K 5% 1/6W
R8A8	401K5691	R.CARBON 5.6K 5% 1/6W
R8A9	401K5657	R.CARBON 220H 5% 1/6W
R8B0	401K5689	R.CARBON 4.7K 5% 1/6W
R8B1	401K5689	R.CARBON 4.7K 5% 1/6W
R8B2	401K5689	R.CARBON 4.7K 5% 1/6W
R8B3	401K5691	R.CARBON 5.6K 5% 1/6W
R8B4	401K5691	R.CARBON 5.6K 5% 1/6W
R8B5	401K5691	R.CARBON 5.6K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R843	401K5739	R.CARBON 560K 5% 1/6W
R844	401K5739	R.CARBON 560K 5% 1/6W
R845	401K5739	R.CARBON 560K 5% 1/6W
R846	401K5739	R.CARBON 560K 5% 1/6W
R856	401K5697	R.CARBON 10K 5% 1/6W
R857	401K5713	R.CARBON 47K 5% 1/6W
R859	401K5691	R.CARBON 5.6K 5% 1/6W
R860	401K5691	R.CARBON 5.6K 5% 1/6W
R861	401K5691	R.CARBON 5.6K 5% 1/6W
R865	401K5691	R.CARBON 5.6K 5% 1/6W
R866	401K5691	R.CARBON 5.6K 5% 1/6W
R867	401K5691	R.CARBON 5.6K 5% 1/6W
R868	401K5691	R.CARBON 5.6K 5% 1/6W
R869	401K5691	R.CARBON 5.6K 5% 1/6W
R870	401K5691	R.CARBON 5.6K 5% 1/6W
R871	401K5691	R.CARBON 5.6K 5% 1/6W
R872	401K5691	R.CARBON 5.6K 5% 1/6W
R873	401K5691	R.CARBON 5.6K 5% 1/6W
R874	401K5691	R.CARBON 5.6K 5% 1/6W
R875	401K5691	R.CARBON 5.6K 5% 1/6W
R887	401K5713	R.CARBON 47K 5% 1/6W
R888	401K5673	R.CARBON 1.0K 5% 1/6W
R889	401K5673	R.CARBON 1.0K 5% 1/6W
R890	404C1677	R.METAL 1.5K 1% 1/6W
R891	404C1679	R.METAL 1.8K 1% 1/6W
R892	401K5653	R.CARBON 150H 5% 1/6W
R893	404C1659	R.METAL 270H 1% 1/6W
R894	401K5673	R.CARBON 1.0K 5% 1/6W
R895	404C1659	R.METAL 270H 1% 1/6W
R896	404C1660	R.METAL 300H 1% 1/6W
R897	404C1662	R.METAL 360H 1% 1/6W
R898	40431645	R.METAL 68H 1% 1/6W
R899	401K5673	R.CARBON 1.0K 5% 1/6W
R904	401H5637	R.CARBON 33H 5% 1/2W
R905	401H5637	R.CARBON 33H 5% 1/2W
R906	401H5637	R.CARBON 33H 5% 1/2W
R907	401K5633	R.CARBON 22H 5% 1/6W
R908	401H5649	R.CARBON 100H 5% 1/2W
R909	401C6689	R.CARBON 4.7K 5% 1/4W
Z0564	401J9820	R.CARBON 0.0H

SYMBOL	PARTS NO	DESCRIPTION
ZD565	401J9820	R.CARBON 0.0H
*** CAPACITORS ***		
C101	421C3479	C.CERAMIC 50V 0.1UF
△C2003	43086065	C.ELEC 50V 10UF
C2004	43086065	C.ELEC 50V 10UF
C2005	421C0225	C.CERAMIC 50V 0.01UF
C4A1	427F4613	C.FILM 50V 0.01UF
C4A2	427F4614	C.FILM 50V 0.012UF
C4A3	421C3479	C.CERAMIC 50V 0.1UF
C4A4	427F4625	C.FILM 50V 0.1UF
C4A5	421C3479	C.CERAMIC 50V 0.1UF
C4A6	421C3479	C.CERAMIC 50V 0.1UF
C4A7	428B3025	C.METAL FILM 50V 1.0UF
C4A8	421C3479	C.CERAMIC 50V 0.1UF
C4A9	421C3479	C.CERAMIC 50V 0.1UF
C4C0	43089016	C.ELEC 10V 100UF
C4C1	421C3479	C.CERAMIC 50V 0.1UF
C4C2	430C0065	C.ELEC 35V 10UF
C4C3	430C0065	C.ELEC 35V 10UF
C4C4	421C3479	C.CERAMIC 50V 0.1UF
C4C5	43086068	C.ELEC 50V 47UF
C4C6	421C3479	C.CERAMIC 50V 0.1UF
C4C7	43088155	C.ELEC 25V 47UF
C4C8	421C3479	C.CERAMIC 50V 0.1UF
C4C9	43088155	C.ELEC 25V 47UF
C4E0	421C3479	C.CERAMIC 50V 0.1UF
C4E2	421C3479	C.CERAMIC 50V 0.1UF
C4E4	421C3479	C.CERAMIC 50V 0.1UF
C4E5	421C0213	C.CERAMIC 50V 1000PF
C401	43089030	C.ELEC 16V 220UF
C402	428B3025	C.METAL FILM 50V 1.0UF
C403	43089054	C.ELEC 35V 100UF
C404	43089055	C.ELEC 35V 220UF
C405	423A2023	C.CERAMIC 50V 12PF
C406	428B3017	C.METAL FILM 50V 0.22UF
C407	4309H061	C.ELEC 35V 2200UF
C408	428B3024	C.METAL FILM 50V 0.82UF
C410	43089054	C.ELEC 35V 100UF

SYMBOL	PARTS NO	DESCRIPTION
C411	427F4666	C.FILM 50V 0.018UF
C421	428B3024	C.METAL FILM 50V 0.82UF
C422	428B3013	C.METAL FILM 50V 0.1UF
C426	421C3479	C.CERAMIC 50V 0.1UF
C427	421C3479	C.CERAMIC 50V 0.1UF
C428	421C3479	C.CERAMIC 50V 0.1UF
C431	430C0045	C.ELEC 16V 22UF
C432	430C0052	C.ELEC 25V 4.7UF
CSA1	43518712	C.TANTALUM 35V 6.8UF
CSA2	427F4616	C.FILM 50V 0.018UF
CSA3	430C0077	C.ELEC 50V 1.0UF
CSA4	427F4607	C.FILM 50V 3300PF
CSA5	423J9017	C.CERAMIC 50V 270PF
CSA6	423J9017	C.CERAMIC 50V 270PF
CSA7	423A2029	C.CERAMIC 50V 22PF
CSA8	421C3479	C.CERAMIC 50V 0.1UF
CSA9	427F6999	C.FILM 50V 470PF
C5C0	421A0425	C.CERAMIC 50V 0.01UF
C5C3	423A2045	C.CERAMIC 50V 100PF
C5C5	421A0425	C.CERAMIC 50V 0.01UF
C5C7	427F8405	C.FILM 100V 2200PF
C5C8	421C3479	C.CERAMIC 50V 0.1UF
C5D1	421C3479	C.CERAMIC 50V 0.1UF
C5D2	43086068	C.ELEC 50V 47UF
C5D3	423A2037	C.CERAMIC 50V 47PF
C5D4	427F4604	C.FILM 50V 1800PF
C5D5	427F4601	C.FILM 50V 1000PF
C5D6	43089038	C.ELEC 25V 10UF
C5D7	427F4601	C.FILM 50V 1000PF
C5D8	421C3479	C.CERAMIC 50V 0.1UF
C5D9	43086017	C.ELEC 10V 220UF
C5E0	427F4601	C.FILM 50V 1000PF
C5E1	433A4043	C.ELEC 35V 4.7UF
C5E2	43089061	C.ELEC 50V 1.0UF
C5E3	427F4672	C.FILM 50V 0.056UF
C5E4	423A2103	C.CERAMIC 50V 180PF
C5E6	421C3479	C.CERAMIC 50V 0.1UF
C5E7	427F4609	C.FILM 50V 4700PF
C5E8	421D6013	C.CERAMIC 50V 0.1UF
C5E9	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
CSF1	43086029	C.ELEC 16V 100UF
CSF2	423A2028	C.CERAMIC 50V 20PF
CSF3	427F4601	C.FILM 50V 1000PF
CSF4	421C0225	C.CERAMIC 50V 0.01UF
CSF5	423A2029	C.CERAMIC 50V 22PF
CSF6	421D6013	C.CERAMIC 50V 0.1UF
CSF7	423A2041	C.CERAMIC 50V 68PF
CSF8	421C3479	C.CERAMIC 50V 0.1UF
CSF9	430C0045	C.ELEC 16V 22UF
CSH0	43086017	C.ELEC 10V 220UF
CSH1	421C2862	C.CERAMIC 25V 0.01UF
CSH2	43088165	C.ELEC 35V 47UF
CSH3	421A0425	C.CERAMIC 50V 0.01UF
CSH4	421C3479	C.CERAMIC 50V 0.1UF
CSH5	421C3479	C.CERAMIC 50V 0.1UF
CSH6	43086068	C.ELEC 50V 47UF
CSH7	421C3479	C.CERAMIC 50V 0.1UF
CSH8	43086041	C.ELEC 25V 47UF
CSH9	421C3479	C.CERAMIC 50V 0.1UF
CSJ1	421C3479	C.CERAMIC 50V 0.1UF
CSJ3	421C3479	C.CERAMIC 50V 0.1UF
CSK0	421C3479	C.CERAMIC 50V 0.1UF
CSK1	430C0043	C.ELEC 16V 10UF
CS03	430C6344	C.ELEC 35V 100UF
△CS04	420C9567	C.CERAMIC 500V 2200PF
△CS05	42817011	C.METAL FILM 1.4KV 2700PF
△CS06	42817010	C.METAL FILM 1.4KV 2400PF
△CS07	42839710	C.METAL 400V 0.39UF
△CS08	42839301	C.METAL 400V 0.1UF
△CS09	42899124	C.METAL FILM 400V 0.33UF
△CS10	42843506	C.METAL 400V 0.6UF
△CS11	420C9565	C.CERAMIC 500V 1500PF
△CS12	420C9563	C.CERAMIC 500V 1000PF
△CS13	421C2862	C.CERAMIC 25V 0.01UF
CS14	421C2862	C.CERAMIC 25V 0.01UF
CS15	421C2862	C.CERAMIC 25V 0.01UF
CS16	43086017	C.ELEC 10V 220UF
CS17	43086017	C.ELEC 10V 220UF
CS18	423A2039	C.CERAMIC 50V 56PF
CS19	43089053	C.ELEC 35V 47UF

SYMBOL	PARTS NO	DESCRIPTION
CS20	428CJ022	C.METAL FILM 250V 0.1UF
CS21	430J8102	C.ELEC 160V 3.3UF
CS22	430J8103	C.ELEC 160V 10UF
CS23	43086512	C.ELEC 160V 1.0UF
CS24	420C9571	C.CERAMIC 500V 4700PF
CS26	4282C121	C.METAL FILM 50V 0.47UF
CS27	428B3025	C.METAL FILM 50V 1.0UF
CS28	427F8225	C.FILM 50V 1000PF
CS29	427F4675	C.FILM 50V 0.1UF
△CS30	42807516	C.FILM 1.6KV 4300PF
△CS31	42807516	C.FILM 1.6KV 4300PF
△CS32	428CJ022	C.METAL FILM 250V 0.1UF
CS33	43089098	C.ELEC 100V 10 UF
CS35	430J8104	C.ELEC 200V 10UF
CS37	428CJ022	C.METAL FILM 250V 0.1UF
CS39	4309H060	C.ELEC 250V 3.3UF
CS40	43089532	C.ELEC 200V 1.0UF
CS41	43089537	C.ELEC 200V 22UF
CS42	421C3479	C.CERAMIC 50V 0.1UF
CS45	423A1045	C.CERAMIC 50V 100PF
CS48	421C3479	C.CERAMIC 50V 0.1UF
CS51	43089033	C.ELEC 16V 1000UF
CS53	43089053	C.ELEC 35V 47UF
CS54	43089042	C.ELEC 25V 100UF
CS55	43089054	C.ELEC 35V 100UF
CS56	430C6347	C.ELEC 35V 470UF
CS57	430C6316	C.ELEC 10V 1000UF
CS58	43089019	C.ELEC 10V 470UF
CS59	43089041	C.ELEC 25V 47UF
CS61	43089045	C.ELEC 25V 470UF
CS62	43089030	C.ELEC 16V 220UF
CS63	421A0425	C.CERAMIC 50V 0.01UF
CS64	43086030	C.ELEC 16V 220UF
CS65	421D6013	C.CERAMIC 50V 0.1UF
CS70	43086016	C.ELEC 10V 100UF
CS73	430BF046	C.ELEC 25V 1000UF
CS91	43086053	C.ELEC 35V 47UF
CS92	43086533	C.ELEC 200V 2.2UF
CS93	42800417	C.METAL FILM 250V 0.22UF
C701	421D6009	C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C702B	433A4013	C.ELEC 10V 47UF
C702G	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C703B	421A0425	C.CERAMIC 50V 0.01UF
C703G	421A0425	C.CERAMIC 50V 0.01UF
C703R	421A0425	C.CERAMIC 50V 0.01UF
C704B	430B8145	C.ELEC 16V 100UF
C704G	430B8145	C.ELEC 16V 100UF
C704R	430B8145	C.ELEC 16V 100UF
C705B	430C0065	C.ELEC 35V 10UF
C705G	430C0065	C.ELEC 35V 10UF
C705R	430C0065	C.ELEC 35V 10UF
C706B	430C0065	C.ELEC 35V 10UF
C706G	430C0065	C.ELEC 35V 10UF
C706R	430C0065	C.ELEC 35V 10UF
C707B	430B6042	C.ELEC 25V 100UF
C707G	430B6042	C.ELEC 25V 100UF
C707R	430B6042	C.ELEC 25V 100UF
C708B	430C0065	C.ELEC 35V 10UF
C708G	430C0065	C.ELEC 35V 10UF
C708R	430C0065	C.ELEC 35V 10UF
C709B	421D6009	C.CERAMIC 25V 0.1UF
C709G	421D6009	C.CERAMIC 25V 0.1UF
C709R	421D6009	C.CERAMIC 25V 0.1UF
C710	421D6009	C.CERAMIC 25V 0.1UF
C712	430B9028	C.ELEC 16V 47UF
C713	421D6009	C.CERAMIC 25V 0.1UF
C720B	433A7013	C.ELEC 16V 47UF
C720G	433A7013	C.ELEC 16V 47UF
C720R	433A7013	C.ELEC 16V 47UF
C721B	421C0213	C.CERAMIC 50V 1000PF
C721G	421C0213	C.CERAMIC 50V 1000PF
C721R	421C0213	C.CERAMIC 50V 1000PF
C724B	430B9028	C.ELEC 16V 47UF
C724G	430B9028	C.ELEC 16V 47UF
C724R	430B9028	C.ELEC 16V 47UF
C725B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C725R	421C0225	C.CERAMIC 50V 0.01UF
C726B	421C0225	C.CERAMIC 50V 0.01UF

SYMBOL	PARTS NO	DESCRIPTION
C8A5	421C3479	C.CERAMIC 50V 0.1UF
C8A6	421C3479	C.CERAMIC 50V 0.1UF
C8A7	430B8152	C.ELEC 25V 10UF
C8C1	430B6065	C.ELEC 50V 10UF
C8C3	421D6009	C.CERAMIC 25V 0.1UF
C8C4	430B6031	C.ELEC 16V 330UF
C8C5	430B6041	C.ELEC 25V 47UF
C802	433A4023	C.ELEC 16V 22UF
C803	433A4023	C.ELEC 16V 22UF
C804	421D6009	C.CERAMIC 25V 0.1UF
C805	423A2101	C.CERAMIC 50V 120PF
C806	421D6009	C.CERAMIC 25V 0.1UF
C807	430B6042	C.ELEC 25V 100UF
C808	427F4601	C.FILM 50V 1000PF
C809	427F4601	C.FILM 50V 1000PF
C810	427F4609	C.FILM 50V 4700PF
C811	433A4056	C.ELEC 50V 2.2UF
C812	430B6062	C.ELEC 50V 2.2UF
C813	430A4104	C.ELEC 50V 0.68UF
C814	433A4058	C.ELEC 50V 4.7UF
C815	430B6065	C.ELEC 50V 10UF
C816	430B6064	C.ELEC 50V 4.7UF
C817	430B6064	C.ELEC 50V 4.7UF
C818	430B6061	C.ELEC 50V 1.0UF
C819	423A2104	C.CERAMIC 50V 220PF
C840	421C3479	C.CERAMIC 50V 0.1UF
C841	421C3479	C.CERAMIC 50V 0.1UF
C842	421C3479	C.CERAMIC 50V 0.1UF
C855	430B6065	C.ELEC 50V 10UF
C856	423A2015	C.CERAMIC 50V 10PF
C857	423F0013	C.CERAMIC 50V 10PF
C874A	430B8145	C.ELEC 16V 100UF
C874B	421C3479	C.CERAMIC 50V 0.1UF
C880	421C3479	C.CERAMIC 50V 0.1UF
C887	421C3479	C.CERAMIC 50V 0.1UF
C888	421C3479	C.CERAMIC 50V 0.1UF
C889	421C3479	C.CERAMIC 50V 0.1UF
C890	421C3479	C.CERAMIC 50V 0.1UF
C892	421C3479	C.CERAMIC 50V 0.1UF
C893	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C726G	421C0225	C.CERAMIC 50V 0.01UF
C726R	421C0225	C.CERAMIC 50V 0.01UF
C727	421J9005	C.CERAMIC 25V 0.01UF
C729B	430B9062	C.ELEC 50V 2.2UF
C729G	430B9062	C.ELEC 50V 2.2UF
C729R	430B9062	C.ELEC 50V 2.2UF
C731	421C0225	C.CERAMIC 50V 0.01UF
C732	421C0225	C.CERAMIC 50V 0.01UF
C733	433A7021	C.ELEC 25V 10UF
C750B	421C0225	C.CERAMIC 50V 0.01UF
C750G	421C0225	C.CERAMIC 50V 0.01UF
C750R	421C0225	C.CERAMIC 50V 0.01UF
C751	421C0225	C.CERAMIC 50V 0.01UF
C752	430B9029	C.ELEC 16V 100UF
C760	421D6009	C.CERAMIC 25V 0.1UF
C761	430B9029	C.ELEC 16V 100UF
C762	430B9516	C.ELEC 160V 10UF
C763	420C9569	C.CERAMIC 50V 3300PF
C764B	423A2043	C.CERAMIC 50V 82PF
C764G	423A2043	C.CERAMIC 50V 82PF
C764R	423A2043	C.CERAMIC 50V 82PF
C781B	42840097	C.FILM 250V 0.22UF
C781G	42840097	C.FILM 250V 0.22UF
C781R	42840097	C.FILM 250V 0.22UF
C782B	430B9512	C.ELEC 160V 1.0UF
C782G	430B9512	C.ELEC 160V 1.0UF
C782R	430B9512	C.ELEC 160V 1.0UF
C783B	420C9563	C.CERAMIC 500V 1000PF
C783G	420C9563	C.CERAMIC 500V 1000PF
C783R	420C9563	C.CERAMIC 500V 1000PF
C786	430B9556	C.ELEC 250V 10UF
C787	420C9565	C.CERAMIC 500V 1500PF
C789	427E4163	C.FILM 100V 0.01UF
C792	430B9029	C.ELEC 16V 100UF
C793	430B9032	C.ELEC 16V 470UF
C794B	421C0221	C.CERAMIC 50V 4700PF
C794G	421C0221	C.CERAMIC 50V 4700PF
C8A0	430B9016	C.ELEC 10V 100UF
C8A3	421C3479	C.CERAMIC 50V 0.1UF
C8A4	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C899	430B6041	C.ELEC 25V 47UF
C901	420C9551	C.CERAMIC 500V 100PF
C902	420C9563	C.CERAMIC 500V 1000PF
C903	4200K108	C.CERAMIC 2KV 10000PF

# REPLACEMENT PARTS LIST

The components specified for Model JC-1531VMA-2(N)

**Note:** The components identified by  $\Delta$  make are critical for safety.

Replace only with parts Number specified.

SYMBOL	PARTS NO	DESCRIPTION
*** CRT & TUNER ***		
$\Delta$ CRT	33015534	CRT M36KME20XX19(TO)
*** ICS ***		
IC4A1	37056963	IC UPC5203CU-025
IC4A2	37056877	IC NJM4200D (MULTIPLIER)
IC4A3	37056877	IC NJM4200D (MULTIPLIER)
IC4A4	37051036	MOS UPD4066BC
IC4A5	37011206	IC XRA10358 (OP-AMP)
IC4A6	37053133	MOS TC74HC123P
IC401	37056689	IC LA7837
$\Delta$ IC5A1	37056217	IC LA7850
IC5A2	37056962	IC UPC5202CU-017
IC5A3	37011262	IC XRA10393 (COMP)
IC5A4	37011262	IC XRA10393 (COMP)
IC5A5	37056961	IC UPC5202CU-014
IC5A6	37011262	IC XRA10393 (COMP)
IC501	37053337	MOS XRU4538B (MULTIPLIER)
IC551	37005210	IC UPC24M18HF (REG)
IC552	37005193	IC PQ12RF11 (REG)
IC553	37005182	IC LM7812C (REG)
IC701	37056814	IC M52035P
IC702	37056923	IC M52307P
IC703	37056872	IC VPS08N
IC704	37011210	IC XRA10324 (Q OP-AMP)
IC801	37056867	IC M52036SP
$\Delta$ IC851	37056973	MOS UPD78C12AGQ-A89-36
IC852	37056813	IC M62359P
IC853	37056812	IC M62362P
IC854	37056812	IC M62362P
IC855	37055401	MOS XRM93C56B-E
IC856	371E1514	IC PST5290-2(T) (VOLTAGE D
IC858	37011206	IC XRA10358 (OP-AMP)
IC859	37056917	IC XRA10324A (Q OP-AMP)
IC864	37903232	IC LM2940CT-5.0

SYMBOL	PARTS NO	DESCRIPTION
Q551	350E3218	TR 2SC1740S-T R
Q552	35122100	TR 2SK703
Q553	350K5718	TR 2SA933S-T R
Q554	35026216	TR 2SB772 P
Q591	350K4518	TR 2SA933-T R
Q592	35056311	TR 2SC2688 K
Q701B	350J3016	TR 2SC2926S-T P
Q701G	350J3016	TR 2SC2926S-T P
Q701R	350J3016	TR 2SC2926S-T P
Q704	351G0601	TR DTC114ES-T
Q705	350E3218	TR 2SC1740S-T R
Q721	350E3218	TR 2SC1740S-T R
Q722	350K4518	TR 2SA933-T R
Q750B	350J4604	TR 2SC3776-AA D
Q750G	350J4604	TR 2SC3776-AA D
Q750R	350J4604	TR 2SC3776-AA D
Q770	350E3218	TR 2SC1740S-T R
Q771	350E3218	TR 2SC1740S-T R
Q772	350K4518	TR 2SA933-T R
Q780B	350K5217	TR 2SA1018-TA Q
Q780G	350K5217	TR 2SA1018-TA Q
Q780R	350K5217	TR 2SA1018-TA Q
Q781B	350H4417	TR 2SC1473-TA Q
Q781G	350H4417	TR 2SC1473-TA Q
Q781R	350H4417	TR 2SC1473-TA Q
Q801	350K4518	TR 2SA933-T R
Q802	350K4518	TR 2SA933-T R
Q803	351G0652	TR DTC1132S-T
Q804	351G0602	TR DTC144ES-T
Q805	351G0601	TR DTC114ES-T
Q806	351G0601	TR DTC114ES-T
Q851	351G0656	TR DTC143XS-T
Q852	350E3218	TR 2SC1740S-T R
Q853	35069805	TR 2SD1763 E

SYMBOL	PARTS NO	DESCRIPTION
*** TRANSISTORS ***		
Q4A1	350E3218	TR 2SC1740S-T R
Q4A2	351G0602	TR DTC144ES-T
Q4A3	350E3218	TR 2SC1740S-T R
Q4A4	351G0601	TR DTC114ES-T
Q401	350J2717	TR 2SC3377-T Q
Q402	359K7618	TR 2SA1515 R
Q404	351G0602	TR DTC144ES-T
Q406	351G0602	TR DTC144ES-T
Q431	350E3218	TR 2SC1740S-T R
Q432	350E3218	TR 2SC1740S-T R
Q5A1	350E3218	TR 2SC1740S-T R
Q5A2	350K5717	TR 2SA933S-T Q
Q5A3	350H5017	TR 2SC3811-TA Q
Q5A5	350E3218	TR 2SC1740S-T R
Q5A6	351G0601	TR DTC114ES-T
Q5F1	350K5717	TR 2SA933S-T Q
Q5H1	350H5018	TR 2SC3811-TA R
Q501	350E3218	TR 2SC1740S-T R
Q502	350K4519	TR 2SA933-T S
Q503	35122700	TR 2SK699
$\Delta$ Q504	35031112	TR 2SB1096 L
Q505	35070100	TR HPA100
Q506	35122500	TR 2SK758
Q507	35122500	TR 2SK758
Q508	35127300	TR 2SK947-M
Q509	351G0656	TR DTC143XS-T
Q510	35125400	TR IRF9610
Q511	350C1218	TR 2SB1329-T105 R
Q512	350G1018	TR 2SD2005-T105 R
Q513	350E4311	TR 2SC2001-T K
Q514	350K4412	TR 2SA952 L,AT
$\Delta$ Q515	35125500	TR IRF9F40
Q517	35125400	TR IRF9610
Q518	350E3218	TR 2SC1740S-T R
Q519	350K5718	TR 2SA933S-T R
Q520	350E3218	TR 2SC1740S-T R
Q521	350K5718	TR 2SA933S-T R
Q522	350H5017	TR 2SC3811-TA Q

SYMBOL	PARTS NO	DESCRIPTION
*** DIODES ***		
D101	360K1027	DIODE 1SS132
D102	360K1027	DIODE 1SS132
D103	360K1027	DIODE 1SS132
D104	360K1027	DIODE 1SS132
D105	360K1027	DIODE 1SS132
D106	360K1027	DIODE 1SS132
D107	360K1027	DIODE 1SS132
D108	360K1027	DIODE 1SS132
D109	360K1027	DIODE 1SS132
D110	360K1027	DIODE 1SS132
D111	360K1027	DIODE 1SS132
D112	360K1027	DIODE 1SS132
D113	360K1027	DIODE 1SS132
D114	360K1027	DIODE 1SS132
D115	360K1027	DIODE 1SS132
D116	360K1027	DIODE 1SS132
D118	36801342	LED GL3EG8
D119	36801331	LED SLR-54MT3F/PO
D120	36801331	LED SLR-54MT3F/PO
$\Delta$ D2004	361K7562	DIODE EGP10G G23
$\Delta$ D2005	361K7562	DIODE EGP10G G23
D401	361K7160	DIODE TVR06G G23
D402	360K1027	DIODE 1SS132
D403	360K1027	DIODE 1SS132
D5A1	360K1027	DIODE 1SS132
D5A2	360K1027	DIODE 1SS132
D5A3	360K1027	DIODE 1SS132
D5A4	360K1027	DIODE 1SS132
D5A5	360K1027	DIODE 1SS132
D5A6	360K1027	DIODE 1SS132
D5A7	360K1027	DIODE 1SS132
D5A8	360K1027	DIODE 1SS132
D5C1	369K2136	DIODE RGP10G,AT
D5E1	380K5054	VARIATOR MA29W-A (TP)
D5E2	380K5054	VARIATOR MA29W-A (TP)
D501	36107293	DIODE RK14
D503	36107560	DIODE RG2A2

SYMBOL	PARTS NO	DESCRIPTION
△D504	36107560	DIODE RG2A2
△D505	360K1027	DIODE 1SS132
△D506	360K1027	DIODE 1SS132
D507	360K1027	DIODE 1SS132
D508	36107507	DIODE RG4
D509	361K7160	DIODE TVR06G G23
D510	361K7562	DIODE EGP10G G23
D511	361K7562	DIODE EGP10G G23
D512	361K7562	DIODE EGP10G G23
D513	361K7562	DIODE EGP10G G23
D514	361K7160	DIODE TVR06G G23
D517	360K1027	DIODE 1SS132
D518	36107507	DIODE RG4
D519	361K7160	DIODE TVR06G G23
D521	361K7550	DIODE 1SR35-400A
D522	360K1027	DIODE 1SS132
D523	360K1027	DIODE 1SS132
D551	361K7630	DIODE EU 2YX V1
D552	361K7160	DIODE TVR06G G23
D553	361K7562	DIODE EGP10G G23
D555	360K1027	DIODE 1SS132
D556	360K1027	DIODE 1SS132
D557	361K7562	DIODE EGP10G G23
D558	361K7562	DIODE EGP10G G23
D571	360K1027	DIODE 1SS132
D591	360K1027	DIODE 1SS132
D592	360K1032	DIODE 1SS82-TA
D593	360K1032	DIODE 1SS82-TA
D701	360K1027	DIODE 1SS132
D702	360K1027	DIODE 1SS132
D703	360K1027	DIODE 1SS132
D704	360K1027	DIODE 1SS132
D705	360K1027	DIODE 1SS132
D706	360K1027	DIODE 1SS132
D707	360K1027	DIODE 1SS132
D708	360K1027	DIODE 1SS132
D709	360K1027	DIODE 1SS132
D710	360K1027	DIODE 1SS132
D711	360K1027	DIODE 1SS132

SYMBOL	PARTS NO	DESCRIPTION
D712	360K1027	DIODE 1SS132
D713	360K1027	DIODE 1SS132
D715B	360K1027	DIODE 1SS132
D715G	360K1027	DIODE 1SS132
D715R	360K1027	DIODE 1SS132
D720	360K1027	DIODE 1SS132
D721	360K5054	VARISTOR MA29W-A (TP)
D722	360K1027	DIODE 1SS132
D760B	360K1032	DIODE 1SS82-TA
D760G	360K1032	DIODE 1SS82-TA
D760R	360K1032	DIODE 1SS82-TA
D761B	360K1032	DIODE 1SS82-TA
D761G	360K1032	DIODE 1SS82-TA
D761R	360K1032	DIODE 1SS82-TA
D781B	360K1032	DIODE 1SS82-TA
D781G	360K1032	DIODE 1SS82-TA
D781R	360K1032	DIODE 1SS82-TA
D782	360K1037	DIODE 1SS83
D801	360K1027	DIODE 1SS132
D802	360K1027	DIODE 1SS132
D803	360K1027	DIODE 1SS132
ZD4A1	360A0039	DIODE MTZJ5.6B T-72
ZD4A2	360K3694	DIODE RD22ESB(1)/ESAB(1)
ZD401	360A0094	DIODE MTZJ20D
ZD402	360K3602	DIODE RD2.0ESB(1)-T4
ZD5A2	360A0035	DIODE MTZJ5.1B T-72
ZD5A3	360A0056	DIODE MTZJ8.2C T-72
ZD5A4	360A0054	DIODE MTZJ8.2A T-72
ZD5A5	360A0035	DIODE MTZJ5.1B T-72
ZD502	360K3143	DIODE RD8.2ESB(1)-T4
ZD503	360K3659	DIODE RD9.1ESB(2)-T4
ZD504	360K3834	DIODE MTZ11ABC T-72
ZD507	360K3660	DIODE RD9.1ESB(3)-T4
ZD510	360K3658	DIODE RD9.1ESB(1)-T4
ZD553	360K3134	DIODE RD15EB(2)-T4
ZD557	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD558	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD559	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD560	360K3624	DIODE RD3.9ESB(2)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD561	360K3624	DIODE RD3.9ESB(2)-T4
ZD562	360K3624	DIODE RD3.9ESB(2)-T4
ZD563	360K3635	DIODE RD5.1ESB(2)-T4
ZD570	36003662	DIODE RD10ESB(1)
ZD760	360A0056	DIODE MTZJ8.2C T-72
ZD851	360K3634	DIODE RD5.1ESB(1)-T4
ZD852	360A0030	DIODE MTZJ4.7A T-72
ZD853	360A0038	DIODE MTZJ5.6A T-72
ZD854	360A0009	DIODE MTZJ2.4B T-72

\*\*\* TRANSFORMERS \*\*\*

L507	46206002	TRANS. CHOKE 8MH
T501	45804009	TRANS. H. DRIVE
△T502	47710014	TRANS. H. OUT
△T503	47105673	F. B. T
T551	46304113	TRANS. CONVERTER

\*\*\* VARIABLE RESISTORS \*\*\*

VR101	41011121	R. VARIABLE B50K
VR102	41011121	R. VARIABLE B50K
VR401	41071359	R. VARIABLE B2.2K
VR402	41071363	R. VARIABLE B10K
VR403	41087010	R. VARIABLE 20K 0.2W
VR404	410G1167	R. VARIABLE B47K
VR431	410G1161	R. VARIABLE B4.7K
VR501	410G1163	R. VARIABLE B10K
VR502	41087006	R. VARIABLE B2K
VR503	41087005	R. VARIABLE B1K
VR505	415K5158	R. VARIABLE B10K
VR551	41071360	R. VARIABLE B3.3K
VR552	41599203	R. VARIABLE B200H
VR701	410G2060	R. VARIABLE B20K
VR702	410G2060	R. VARIABLE B20K
VR703	410G2060	R. VARIABLE B20K
VR704	410G2061	R. VARIABLE B30
VR705	410G2061	R. VARIABLE B30
VR706	410G2061	R. VARIABLE B30
VR707	410G2062	R. VARIABLE B50K
VR708	410G2062	R. VARIABLE B50K
VR709	410G2062	R. VARIABLE B50K

SYMBOL	PARTS NO	DESCRIPTION
VR710	410G2064	R. VARIABLE B200K
VR851	41018255	R. VARIABLE B1K
VR852	41087005	R. VARIABLE B1K
VR854	410G1159	R. VARIABLE B2.2K

\*\*\* RELAYS & SWITCHES \*\*\*

△RL501	65660013	RELAY VE 24HME-K
RL502	65660028	RELAY SY-24W-K
SW	65360027	SWITCH, PUSH BUTTON
SW101	653F0033	SWITCH, PUSH BUTTON
SW102	653F0033	SWITCH, PUSH BUTTON
SW103	653F0033	SWITCH, PUSH BUTTON
SW104	653F0033	SWITCH, PUSH BUTTON
SW105	653F0033	SWITCH, PUSH BUTTON
SW106	653F0033	SWITCH, PUSH BUTTON
SW107	653F0033	SWITCH, PUSH BUTTON
SW108	653F0033	SWITCH, PUSH BUTTON
SW109	653F0033	SWITCH, PUSH BUTTON
SW110	653F0033	SWITCH, PUSH BUTTON
SW111	65161059	SWITCH, SLIDE 1-6L-3NS
SW112	65161048	SWITCH, SLIDE

\*\*\* COILS & FILTERS \*\*\*

DG	61315104	COIL, DEGAUSSING
FC701	39013039	C. NETWORK 25V 0.1UF
FC850	39013039	C. NETWORK 25V 0.1UF
FC851	39013041	C. NETWORK 25V 0.1UF
FC852	39013044	C. NETWORK 25V 0.1UF
FC853	39013041	C. NETWORK 25V 0.1UF
FL001	61062076	POWER LINE FILTER
FR850	390C0437	R. NETWORK 3*10K 5% 1/8W
FR851	390C0432	R. NETWORK 6*10K 5% 1/8W
FR852	390C0451	R. NETWORK 10K 5% 1/8W
LCT01	390J9027	FILTER ZJSC-R12-100TA
LCT02	390J9027	FILTER ZJSC-R12-100TA
LCT03	390J9027	FILTER ZJSC-R12-100TA
LCT60	616K6945	NOISE FILTER TH18103MA
LCT81	616K6027	NOISE FILTER 2A222-TA
LCT82	616K6966	NOISE FILTER

SYMBOL	PARTS NO	DESCRIPTION
LC783	616K6028	NOISE FILTER 1H223X-TA
LC801	61606822	NOISE FILTER 50V 47UH
LC802	390J9015	FILTER ZJSC-2R2-101TA
LC803	390J9015	FILTER ZJSC-2R2-101TA
LC804	390J9015	FILTER ZJSC-2R2-101TA
LC805	390J9015	FILTER ZJSC-2R2-101TA
LC850	616K6718	NOISE FILTER 10000UH
LC901	616K6028	NOISE FILTER 1H223X-TA
LC902	616K6075	NOISE FILTER
L401	610F7025	COIL.FILTER 47UH
L5A1	610E1717	COIL.FILTER 10UH
L5A2	610E1717	COIL.FILTER 10UH
L5A3	610E1717	COIL.FILTER 10UH
L5A4	610E1717	COIL.FILTER 10UH
△L501	60919128	COIL.H.LIN
△L502	60919129	COIL.H.LIN
△L503	61070180	COIL.CHOKE 4MH
L504	61070235	FILTER CHOKE 4MH
L505	610F3025	COIL.FILTER 47UH
△L509	610F3025	COIL.FILTER 47UH
L510	61070181	COIL.CHOKE PJ87-102K
L512	61070181	COIL.CHOKE PJ87-102K
L551	610F3025	COIL.FILTER 47UH
L552	610F3025	COIL.FILTER 47UH
L553	610F7018	COIL.FILTER 12UH
L701B	610E1726	COIL.FILTER 55UH
L701G	610E1726	COIL.FILTER 55UH
L701R	610E1726	COIL.FILTER 55UH
L720	610E1729	COIL.FILTER 100UH
L761	610E1711	COIL.FILTER 3.3UH
L801	610F7010	COIL.FILTER 2.7UH
L901	610F5804	COIL.FILTER 0.47UH
L902	610F5804	COIL.FILTER 0.47UH
L903	610F5804	COIL.FILTER 0.47UH

\*\*\* PWB ASSYS \*\*\*

	84M40C01	VIDEO PWB ASSY
	84M40E01	UNIT PWB ASSY
	84M40F01	MAIN PWB ASSY
	84N44L01	CONTROL PWB ASSY

SYMBOL	PARTS NO	DESCRIPTION
*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***		
CABLE	70032056	CRT SOCKET
CORD	74004891	CAP
HS401	73893128	SIGNAL CABLE (MD15P-11P)X
	70810757	LINE CORD 3P L=1.8
	31709202	SHEET, INSULATOR
HS505	31709507	SHEET, INSULATOR HEAT SINK
HS515	31709505	SHEET, INSULATOR
L506	49801010	INDUCTOR DUMMY
SG901	329J0047	ARRESTER (300V).AT52
SG902	329J0047	ARRESTER (300V).AT52
SG903	329J0047	ARRESTER (300V).AT52
SG904	329J0047	ARRESTER (300V).AT52
SG905	667K6007	SPARK GAP 1.5KV
△SW-PS	31102029	SW. REG. UNIT (SMP-120BB)
△UNIT2	79100031	UNIT 2 (HV PROTECTOR)
X1	64099072	CRYSTAL RESONATOR

\*\*\* APPEARANCE PARTS \*\*\*

	25779892	NAME PLATE, INSTRUCTION (720N)
	25313822	CABINET BOTTOM
	25419001	REVOLVING STAND ASSY
	25317591	CABINET FRONT ASSY
	25313791	CABINET BACK ASSY
	25419021	REVOLVING SPINDLE
	25534631	COIL SPRING
	25757643	LABEL (REV.)

\*\*\* KNOBS & PUSH BUTTONS \*\*\*

	25454671	PUSH BUTTON (SW)
	25454681	KNOB CONTROL
	25454691	KNOB-SLIDE

\*\*\* PRINTED & PACKING MATERIALS \*\*\*

	24813191	BAG, POLYETHYLENE (150*370)
	25607291	SLIDE SHEET
	25823181	FILLER (T) CARTON
	25823192	FILLER (B) CARTON

SYMBOL	PARTS NO	DESCRIPTION
	25825501	SHEET, PROTECTION
	25828821	CARTON BOX (JC-1531VMA-2)
	78034408	MONITOR SALES OFFICE LIST
	78127512	INSTRUCTION BOOK

\*\*\* RESISTORS \*\*\*

C790	401J9820	R.CARBON 0.0H
R101	401J9820	R.CARBON 0.0H
R105	401H5671	R.CARBON 820H 5% 1/2W
R106	401K5659	R.CARBON 270H 5% 1/6W
	401K5697	R.CARBON 10K 5% 1/6W
R4A0	404C1723	R.METAL 120K 1% 1/6W
R4A1	404C1704	R.METAL 20K 1% 1/6W
R4A2	404C1723	R.METAL 120K 1% 1/6W
R4A3	404C1704	R.METAL 20K 1% 1/6W
R4A5	404C1723	R.METAL 120K 1% 1/6W
R4A6	404C1723	R.METAL 120K 1% 1/6W
R4A7	404C1697	R.METAL 10K 1% 1/6W
R4A8	404C1733	R.METAL 330K 1% 1/6W
R4A9	404C1727	R.METAL 180K 1% 1/6W
R4C0	404C1727	R.METAL 180K 1% 1/6W
R4C1	404C1727	R.METAL 180K 1% 1/6W
R4C2	404C1727	R.METAL 180K 1% 1/6W
R4C3	404C1727	R.METAL 180K 1% 1/6W
R4C4	404C1727	R.METAL 180K 1% 1/6W
R4C5	404C1727	R.METAL 180K 1% 1/6W
R4C6	401K5731	R.CARBON 270K 5% 1/6W
R4C7	404C1727	R.METAL 180K 1% 1/6W
R4C8	401K5681	R.CARBON 2.7K 5% 1/6W
R4C9	401K5677	R.CARBON 1.5K 5% 1/6W
R4D0	401K5647	R.CARBON 82H 5% 1/6W
R4D1	404C1704	R.METAL 20K 1% 1/6W
R4D2	401K5721	R.CARBON 100K 5% 1/6W
R4D3	401K5625	R.CARBON 10H 5% 1/6W
R4D5	404C1713	R.METAL 47K 1% 1/6W
R4D6	404C1737	R.METAL 470K 1% 1/6W
R4D7	401K5705	R.CARBON 22K 5% 1/6W
R4D8	404C1728	R.METAL 200K 1% 1/6W
R4D9	401K5689	R.CARBON 4.7K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R4E0	401K5705	R.CARBON 22K 5% 1/6W
R4E1	401K5697	R.CARBON 10K 5% 1/6W
R4E2	401K5697	R.CARBON 10K 5% 1/6W
R4E3	401K5697	R.CARBON 10K 5% 1/6W
R4E4	401K5697	R.CARBON 10K 5% 1/6W
R401	401K5709	R.CARBON 33K 5% 1/6W
R402	401K5683	R.CARBON 2.7K 5% 1/6W
R403	403F2103	R.METAL OXIDE 1.2H 5% 2W
R404	404C1703	R.METAL 18K 1% 1/6W
R405	404C1703	R.METAL 18K 1% 1/6W
R406	401K5709	R.CARBON 33K 5% 1/6W
R407	401H5653	R.CARBON 150H 5% 1/2W
R408	401K5611	R.CARBON 2.7H 5% 1/6W
R409	401K5721	R.CARBON 100K 5% 1/6W
△R410	403F2151	R.METAL OXIDE 120H 5% 2W
R411	401G6117	R.CARBON 4.7H 5% 1/4W
R412	401K5689	R.CARBON 4.7K 5% 1/6W
R413	401K5673	R.CARBON 1.0K 5% 1/6W
R414	401K5673	R.CARBON 1.0K 5% 1/6W
R415	401K5661	R.CARBON 330H 5% 1/6W
R420	401K5673	R.CARBON 1.0K 5% 1/6W
R421	404C1728	R.METAL 200K 1% 1/6W
R422	401K5689	R.CARBON 4.7K 5% 1/6W
R423	404C1740	R.METAL 620K 1% 1/6W
R425	404C1700	R.METAL 13K 1% 1/6W
R426	404C1724	R.METAL 130K 1% 1/6W
R427	404C1697	R.METAL 10K 1% 1/6W
R431	401K5689	R.CARBON 4.7K 5% 1/6W
R432	401K5673	R.CARBON 1.0K 5% 1/6W
R433	401K5713	R.CARBON 47K 5% 1/6W
R434	401K5713	R.CARBON 47K 5% 1/6W
R435	401K5689	R.CARBON 4.7K 5% 1/6W
R436	401K5689	R.CARBON 4.7K 5% 1/6W
R437	401K5681	R.CARBON 2.2K 5% 1/6W
△R5A1	401K5673	R.CARBON 1.0K 5% 1/6W
R5A2	401K5705	R.CARBON 22K 5% 1/6W
R5A3	401K5689	R.CARBON 4.7K 5% 1/6W
R5A4	401K5697	R.CARBON 10K 5% 1/6W
R5A5	401K5691	R.CARBON 5.6K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5A6	401K5705	R.CARBON 22K 5% 1/6W
R5A7	401K5699	R.CARBON 12K 5% 1/6W
R5A8	401K5687	R.CARBON 3.9K 5% 1/6W
R5A9	401K5677	R.CARBON 1.5K 5% 1/6W
R5C0	404C1705	R.METAL 22K 1% 1/6W
R5C1	404C1711	R.METAL 39K 1% 1/6W
R5C3	401K5635	R.CARBON 27H 5% 1/6W
R5C4	401K5689	R.CARBON 4.7K 5% 1/6W
R5C5	401K5683	R.CARBON 2.7K 5% 1/6W
R5C7	404C1699	R.METAL 12K 1% 1/6W
R5C8	404C1684	R.METAL 3.0K 1% 1/6W
R5C9	401K5697	R.CARBON 10K 5% 1/6W
R5D1	401K5745	R.CARBON 1.0M 5% 1/6W
R5D2	404C1697	R.METAL 10K 1% 1/6W
R5D4	401K5697	R.CARBON 10K 5% 1/6W
R5D5	401K5695	R.CARBON 8.2K 5% 1/6W
R5D6	404C1707	R.METAL 27K 1% 1/6W
R5D8	404C1673	R.METAL 1.0K 1% 1/6W
R5D9	404C1685	R.METAL 3.3K 1% 1/6W
R5E1	404C1697	R.METAL 10K 1% 1/6W
R5E2	404C1731	R.METAL 270K 1% 1/6W
R5E3	404C1733	R.METAL 330K 1% 1/6W
R5E4	401K5745	R.CARBON 1.0M 5% 1/6W
△R5E5	401K5693	R.CARBON 6.8K 5% 1/6W
R5E6	401K5709	R.CARBON 33K 5% 1/6W
R5E7	401K5705	R.CARBON 22K 5% 1/6W
R5E8	401K5691	R.CARBON 5.6K 5% 1/6W
R5E9	401K5695	R.CARBON 8.2K 5% 1/6W
R5F0	401K5745	R.CARBON 1.0M 5% 1/6W
R5F1	401K5695	R.CARBON 8.2K 5% 1/6W
R5F2	401K5675	R.CARBON 1.2K 5% 1/6W
R5F3	401K5697	R.CARBON 10K 5% 1/6W
R5F4	401K5715	R.CARBON 56K 5% 1/6W
R5F5	401K5697	R.CARBON 10K 5% 1/6W
R5F6	401K5691	R.CARBON 5.6K 5% 1/6W
R5F7	401K5721	R.CARBON 100K 5% 1/6W
R5F8	401C6761	R.CARBON 4.7M 5% 1/4W
R5F9	401K5721	R.CARBON 100K 5% 1/6W
R5G0	401K5697	R.CARBON 10K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R524	401K5695	R.CARBON 8.2K 5% 1/6W
R525	401K5721	R.CARBON 100K 5% 1/6W
R526	401K5733	R.CARBON 330K 5% 1/6W
R527	404C1695	R.METAL 8.2K 1% 1/6W
R528	404C1673	R.METAL 1.0K 1% 1/6W
R529	401K5697	R.CARBON 10K 5% 1/6W
R530	404C1697	R.METAL 10K 1% 1/6W
R531	401C6677	R.CARBON 1.5K 5% 1/4W
R532	401C6629	R.CARBON 15H 5% 1/4W
△R533	401H5687	R.CARBON 3.9K 5% 1/2W
R534	401K5731	R.CARBON 270K 5% 1/6W
R535	401K5729	R.CARBON 220K 5% 1/6W
△R536	401G6109	R.CARBON 2.2H 5% 1/4W
△R537	401G6109	R.CARBON 2.2H 5% 1/4W
-R538	401G6109	R.CARBON 2.2H 5% 1/4W
△R540	403F1107	R.METAL 1.8H 5% 1W
R541	401H5697	R.CARBON 10K 5% 1/2W
R544	401C6673	R.CARBON 1.0K 5% 1/4W
R545	401C6697	R.CARBON 10K 5% 1/4W
R546	401K5733	R.CARBON 330K 5% 1/6W
R547	401K5733	R.CARBON 330K 5% 1/6W
R548	40372133	R.METAL 22H 5% 2W
R549	404C1739	R.METAL 560K 1% 1/6W
R553	401K5689	R.CARBON 4.7K 5% 1/6W
△R554	403F1101	R.METAL OXIDE 1H 5% 1W
△R555	401G6101	R.CARBON 1.0H 5% 1/4W
R559	401K5697	R.CARBON 10K 5% 1/6W
R560	401H5681	R.CARBON 2.2K 5% 1/2W
R561	401H5665	R.CARBON 470H 5% 1/2W
R562	404C1724	R.METAL 130K 1% 1/6W
R563	401K5681	R.CARBON 2.2K 5% 1/6W
△R570	401G6133	R.CARBON 22H 5% 1/4W
△R571	401G6133	R.CARBON 22H 5% 1/4W
R572	401H5693	R.CARBON 6.8K 5% 1/2W
R573	401K5697	R.CARBON 10K 5% 1/6W
R574	401K5697	R.CARBON 10K 5% 1/6W
R575	401C6689	R.CARBON 4.7K 5% 1/4W
R576	401K5705	R.CARBON 22K 5% 1/6W
R577	401K5673	R.CARBON 1.0K 5% 1/6W
R578	403F1177	R.METAL OXIDE 1.5K 5% 1W

SYMBOL	PARTS NO	DESCRIPTION
R5G1	401K5701	R.CARBON 15K 5% 1/6W
R5G2	401K5705	R.CARBON 22K 5% 1/6W
R5G3	401K5713	R.CARBON 47K 5% 1/6W
R5G4	401K5745	R.CARBON 1.0M 5% 1/6W
R5G5	401K5697	R.CARBON 10K 5% 1/6W
R5G6	401K5691	R.CARBON 5.6K 5% 1/6W
R5G7	401K5697	R.CARBON 10K 5% 1/6W
R5G8	401K5709	R.CARBON 33K 5% 1/6W
R5H2	401K5665	R.CARBON 470H 5% 1/6W
R5H3	401K5697	R.CARBON 10K 5% 1/6W
R5H4	401K5693	R.CARBON 6.8K 5% 1/6W
R5H5	401K5697	R.CARBON 10K 5% 1/6W
R5J0	401H5653	R.CARBON 150H 5% 1/2W
R5J2	403F2165	R.METAL 470H 5% 2W
R5K1	401K5715	R.CARBON 56K 5% 1/6W
R5K2	401K5715	R.CARBON 56K 5% 1/6W
R5K3	401K5715	R.CARBON 56K 5% 1/6W
R5L7	401K5697	R.CARBON 10K 5% 1/6W
R5D1	401K5675	R.CARBON 1.2K 5% 1/6W
R5O2	401K5661	R.CARBON 330H 5% 1/6W
R5O4	401C6673	R.CARBON 1.0K 5% 1/4W
R5O5	401K5673	R.CARBON 1.0K 5% 1/4W
△R5O6	40175137	R.CARBOX 33H 5% 1/6W
△R5O7	40801004	R.FUSE 1.0H 500MA
R5O8A	403F2145	R.METAL 68H 5% 2W
R5O8B	403F1137	R.METAL 33H 5% 1W
R5O9	401C6657	R.CARBON 220H 5% 1/4W
R5I0	40216266	R.WIRE 2.4H 5% 7W
R5I1	40372107	R.METAL 1.8H 5% 2W
△R5I2	401C6651	R.CARBON 120H 5% 1/4W
R5I3	401C6657	R.CARBON 220H 5% 1/4W
R5I4	401K5649	R.CARBON 100H 5% 1/6W
R5I5	401K5649	R.CARBON 100H 5% 1/6W
R5I6	401K5649	R.CARBON 100H 5% 1/6W
△R5I8	401G6101	R.CARBON 1.0H 5% 1/4W
△R5I9	401G6101	R.CARBON 1.0H 5% 1/4W
R5I20	401G6167	R.CARBON 560H 5% 1/4W
△R5I21	401G6143	R.CARBON 56H 5% 1/4W
R5I22	401C6657	R.CARBON 220H 5% 1/4W
R5I23	401C6697	R.CARBON 10K 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R580	401K5625	R.CARBON 10H 5% 1/6W
R581	401K5625	R.CARBON 10H 5% 1/6W
R582	401K5625	R.CARBON 10H 5% 1/6W
R583	401K5619	R.CARBON 5.6H 5% 1/6W
R591	401K5697	R.CARBON 10K 5% 1/6W
R592	401K5713	R.CARBON 47K 5% 1/6W
R593	401K5697	R.CARBON 10K 5% 1/6W
R594	401K5691	R.CARBON 5.6K 5% 1/6W
R595	401K5721	R.CARBON 100K 5% 1/6W
R701B	404K2646	R.METAL 75H 1% 1/4W
R701G	404K2646	R.METAL 75H 1% 1/4W
R701R	404K2646	R.METAL 75H 1% 1/4W
R702B	401K5695	R.CARBON 8.2K 5% 1/6W
R702G	401K5695	R.CARBON 8.2K 5% 1/6W
R702R	401K5695	R.CARBON 8.2K 5% 1/6W
R703B	401K5697	R.CARBON 10K 5% 1/6W
R703G	401K5697	R.CARBON 10K 5% 1/6W
R703R	401K5697	R.CARBON 10K 5% 1/6W
R704B	401K5659	R.CARBON 270H 5% 1/6W
R704G	401K5659	R.CARBON 270H 5% 1/6W
R704R	401K5659	R.CARBON 270H 5% 1/6W
R705B	401K5667	R.CARBON 560H 5% 1/6W
R705G	401K5667	R.CARBON 560H 5% 1/6W
R705R	401K5667	R.CARBON 560H 5% 1/6W
R706B	401K5673	R.CARBON 1.0K 5% 1/6W
R706G	401K5673	R.CARBON 1.0K 5% 1/6W
R706R	401K5673	R.CARBON 1.0K 5% 1/6W
R710B	401K5653	R.CARBON 150H 5% 1/6W
R710G	401K5653	R.CARBON 150H 5% 1/6W
R710R	401K5653	R.CARBON 150H 5% 1/6W
R711B	401K5669	R.CARBON 680H 5% 1/6W
R711G	401K5669	R.CARBON 680H 5% 1/6W
R711R	401K5669	R.CARBON 680H 5% 1/6W
R712B	401K5649	R.CARBON 100H 5% 1/6W
R712G	401K5649	R.CARBON 100H 5% 1/6W
R712R	401K5649	R.CARBON 100H 5% 1/6W
R713B	401K5705	R.CARBON 22K 5% 1/6W
R713G	401K5705	R.CARBON 22K 5% 1/6W
R713R	401K5705	R.CARBON 22K 5% 1/6W
R716	401K5695	R.CARBON 8.2K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R717	401K5697	R. CARBON 10K 5% 1/6W
R718	401K5649	R. CARBON 100H 5% 1/6W
R720B	401K5687	R. CARBON 3.9K 5% 1/6W
R720G	401K5687	R. CARBON 3.9K 5% 1/6W
R720R	401K5687	R. CARBON 3.9K 5% 1/6W
R721	404C1700	R. METAL 13K 1% 1/6W
R722	404C1709	R. METAL 33K 1% 1/6W
R723	404C1682	R. METAL 2.4K 1% 1/6W
R724	404C1663	R. METAL 390H 1% 1/6W
R726B	401K5669	R. CARBON 680H 5% 1/6W
R726G	401K5669	R. CARBON 680H 5% 1/6W
R726R	401K5669	R. CARBON 680H 5% 1/6W
R727	401K5699	R. CARBON 12K 5% 1/6W
R728	401K5691	R. CARBON 5.6K 5% 1/6W
R729	401K5689	R. CARBON 4.7K 5% 1/6W
R730	401K5689	R. CARBON 4.7K 5% 1/6W
R731B	401J9820	R. CARBON 0.0H
R731R	401J9820	R. CARBON 0.0H
R733	401K5649	R. CARBON 100H 5% 1/6W
R750B	401K5657	R. CARBON 220H 5% 1/6W
R750G	401K5657	R. CARBON 220H 5% 1/6W
R750R	401K5657	R. CARBON 220H 5% 1/6W
R751B	401K5655	R. CARBON 180H 5% 1/6W
R751G	401K5655	R. CARBON 180H 5% 1/6W
R751R	401K5655	R. CARBON 180H 5% 1/6W
R760B	401K5655	R. CARBON 180H 5% 1/6W
R760G	401K5655	R. CARBON 180H 5% 1/6W
R761B	401C6635	R. CARBON 27H 5% 1/4W
R761G	401C6635	R. CARBON 27H 5% 1/4W
R761R	401C6635	R. CARBON 27H 5% 1/4W
R762	401K5667	R. CARBON 560H 5% 1/6W
R770	401K5673	R. CARBON 1.0K 5% 1/6W
R771	401K5673	R. CARBON 1.0K 5% 1/6W
R772	401K5679	R. CARBON 1.8K 5% 1/6W
R774B	401K5663	R. CARBON 390H 5% 1/6W
R774G	401K5663	R. CARBON 390H 5% 1/6W
R774R	401K5663	R. CARBON 390H 5% 1/6W
R775B	401K5673	R. CARBON 1.0K 5% 1/6W
R775G	401K5673	R. CARBON 1.0K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R8B6	401K5691	R. CARBON 5.6K 5% 1/6W
R8B7	401K5697	R. CARBON 10K 5% 1/6W
R8B8	401K5721	R. CARBON 100K 5% 1/6W
R8C0	401K5673	R. CARBON 1.0K 5% 1/6W
R8C1	404C1661	R. METAL 330H 1% 1/6W
R8C2	404C1663	R. METAL 390H 1% 1/6W
R8C3	401K5697	R. CARBON 10K 5% 1/6W
R8D0	401K5713	R. CARBON 47K 5% 1/6W
R8E0	401K5679	R. CARBON 1.8K 5% 1/6W
R8E1	404K5125	R. METAL 10H 5% 1/4W
R8Q1	401K5711	R. CARBON 39K 5% 1/6W
R8Q2	401K5707	R. CARBON 27K 5% 1/6W
R8Q3	401K5679	R. CARBON 1.8K 5% 1/6W
R8Q4	404C1705	R. METAL 22K 1% 1/6W
R8Q5	401K5711	R. CARBON 39K 5% 1/6W
R8Q6	401K5707	R. CARBON 27K 5% 1/6W
R8Q7	401K5679	R. CARBON 1.8K 5% 1/6W
R8Q8	401K5705	R. CARBON 22K 5% 1/6W
R8Q9	401K5707	R. CARBON 27K 5% 1/6W
R810	401K5673	R. CARBON 1.0K 5% 1/6W
R811	401K5673	R. CARBON 1.0K 5% 1/6W
R812	401K5683	R. CARBON 2.7K 5% 1/6W
R813	401K5697	R. CARBON 10K 5% 1/6W
R814	401K5691	R. CARBON 5.6K 5% 1/6W
R815	401K5721	R. CARBON 100K 5% 1/6W
R816	401K5673	R. CARBON 1.0K 5% 1/6W
R817	401K5717	R. CARBON 68K 5% 1/6W
R819	401K5717	R. CARBON 68K 5% 1/6W
R821	401K5653	R. CARBON 150H 5% 1/6W
R822	401K5667	R. CARBON 560H 5% 1/6W
R823	401K5667	R. CARBON 560H 5% 1/6W
R825	401K5667	R. CARBON 560H 5% 1/6W
R826	401K5673	R. CARBON 1.0K 5% 1/6W
R827	401K5673	R. CARBON 1.0K 5% 1/6W
R830	401K5705	R. CARBON 22K 5% 1/6W
R840	401K5625	R. CARBON 10H 5% 1/6W
R841	401K5659	R. CARBON 270H 5% 1/6W
R841	401K5703	R. CARBON 18K 5% 1/6W
R842	401K5661	R. CARBON 330H 5% 1/6W
R842	401K5671	R. CARBON 820H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R775R	401K5673	R. CARBON 1.0K 5% 1/6W
R776	401K5653	R. CARBON 150H 5% 1/6W
R780B	401K5731	R. CARBON 270K 5% 1/6W
R780G	401K5731	R. CARBON 270K 5% 1/6W
R780R	401K5731	R. CARBON 270K 5% 1/6W
R781B	401K5729	R. CARBON 220K 5% 1/6W
R781G	401K5729	R. CARBON 220K 5% 1/6W
R781R	401K5729	R. CARBON 220K 5% 1/6W
R782B	401K5723	R. CARBON 120K 5% 1/6W
R782G	401K5723	R. CARBON 120K 5% 1/6W
R782R	401K5723	R. CARBON 120K 5% 1/6W
R783B	401K5709	R. CARBON 33K 5% 1/6W
R783G	401K5709	R. CARBON 33K 5% 1/6W
R783R	401K5709	R. CARBON 33K 5% 1/6W
R784B	401K5701	R. CARBON 15K 5% 1/6W
R784G	401K5701	R. CARBON 15K 5% 1/6W
R784R	401K5701	R. CARBON 15K 5% 1/6W
R785B	401K5703	R. CARBON 18K 5% 1/6W
R785G	401K5703	R. CARBON 18K 5% 1/6W
R785R	401K5703	R. CARBON 18K 5% 1/6W
R786	401K5749	R. CARBON 1.5M 5% 1/6W
R787	401K5673	R. CARBON 1.0K 5% 1/6W
R789	401K5753	R. CARBON 2.2M 5% 1/6W
R790	401K5689	R. CARBON 4.7K 5% 1/6W
R791	401K5697	R. CARBON 10K 5% 1/6W
R792	401K5685	R. CARBON 3.3K 5% 1/6W
R8A0	404C1708	R. METAL 30K 1% 1/6W
R8A1	404C1697	R. METAL 10K 1% 1/6W
R8A3	401K5697	R. CARBON 10K 5% 1/6W
R8A4	401K5665	R. CARBON 470H 5% 1/6W
R8A5	401K5685	R. CARBON 3.3K 5% 1/6W
R8A6	401K5681	R. CARBON 2.2K 5% 1/6W
R8A8	401K5691	R. CARBON 5.6K 5% 1/6W
R8A9	401K5657	R. CARBON 220H 5% 1/6W
R8B0	401K5689	R. CARBON 4.7K 5% 1/6W
R8B1	401K5689	R. CARBON 4.7K 5% 1/6W
R8B2	401K5689	R. CARBON 4.7K 5% 1/6W
R8B3	401K5691	R. CARBON 5.6K 5% 1/6W
R8B4	401K5691	R. CARBON 5.6K 5% 1/6W
R8B5	401K5691	R. CARBON 5.6K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R843	401K5739	R. CARBON 560K 5% 1/6W
R844	401K5739	R. CARBON 560K 5% 1/6W
R845	401K5739	R. CARBON 560K 5% 1/6W
R846	401K5739	R. CARBON 560K 5% 1/6W
R856	401K5697	R. CARBON 10K 5% 1/6W
R857	401K5713	R. CARBON 47K 5% 1/6W
R859	401K5691	R. CARBON 5.6K 5% 1/6W
R860	401K5691	R. CARBON 5.6K 5% 1/6W
R861	401K5691	R. CARBON 5.6K 5% 1/6W
R865	401K5691	R. CARBON 5.6K 5% 1/6W
R866	401K5691	R. CARBON 5.6K 5% 1/6W
R867	401K5691	R. CARBON 5.6K 5% 1/6W
R868	401K5691	R. CARBON 5.6K 5% 1/6W
R869	401K5691	R. CARBON 5.6K 5% 1/6W
R870	401K5691	R. CARBON 5.6K 5% 1/6W
R871	401K5691	R. CARBON 5.6K 5% 1/6W
R872	401K5691	R. CARBON 5.6K 5% 1/6W
R873	401K5691	R. CARBON 5.6K 5% 1/6W
R874	401K5691	R. CARBON 5.6K 5% 1/6W
R875	401K5691	R. CARBON 5.6K 5% 1/6W
R887	401K5713	R. CARBON 47K 5% 1/6W
R888	401K5673	R. CARBON 1.0K 5% 1/6W
R889	401K5673	R. CARBON 1.0K 5% 1/6W
R890	404C1677	R. METAL 1.5K 1% 1/6W
R891	404C1679	R. METAL 1.8K 1% 1/6W
R892	401K5653	R. CARBON 150H 5% 1/6W
R893	404C1659	R. METAL 270H 1% 1/6W
R894	401K5673	R. CARBON 1.0K 5% 1/6W
R895	404C1659	R. METAL 270H 1% 1/6W
R896	404C1660	R. METAL 300H 1% 1/6W
R897	404C1662	R. METAL 360H 1% 1/6W
R898	404C1645	R. METAL 68H 1% 1/6W
R899	401K5673	R. CARBON 1.0K 5% 1/6W
R9C4	401H5637	R. CARBON 33H 5% 1/2W
R9C5	401H5637	R. CARBON 33H 5% 1/2W
R9C6	401H5637	R. CARBON 33H 5% 1/2W
R9C7	401K5633	R. CARBON 22H 5% 1/6W
R9C8	401H5649	R. CARBON 100H 5% 1/2W
R9C9	401C6689	R. CARBON 4.7K 5% 1/4W
Z0564	401J9820	R. CARBON 0.0H

SYMBOL	PARTS NO	DESCRIPTION
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ZD565	401J9820	R.CARBON 0.0H
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\*\*\* CAPACITORS \*\*\*

C101	421C3479	C.CERAMIC 50V 0.1UF
△C2003	430B6065	C.ELEC 50V 10UF
△C2004	430B6065	C.ELEC 50V 10UF
C2005	421C0225	C.CERAMIC 50V 0.01UF
C4A1	427F4613	C.FILM 50V 0.01UF
C4A2	427F4614	C.FILM 50V 0.012UF
C4A3	421C3479	C.CERAMIC 50V 0.1UF
C4A4	427F4625	C.FILM 50V 0.1UF
C4A5	421C3479	C.CERAMIC 50V 0.1UF
C4A6	421C3479	C.CERAMIC 50V 0.1UF
C4A7	428B3025	C.METAL FILM 50V 1.0UF
C4A8	421C3479	C.CERAMIC 50V 0.1UF
C4A9	421C3479	C.CERAMIC 50V 0.1UF
C4C0	430B9016	C.ELEC 10V 100UF
C4C1	421C3479	C.CERAMIC 50V 0.1UF
C4C2	430C0065	C.ELEC 35V 10UF
C4C3	430C0065	C.ELEC 35V 10UF
C4C4	421C3479	C.CERAMIC 50V 0.1UF
C4C5	430B6068	C.ELEC 50V 47UF
C4C6	421C3479	C.CERAMIC 50V 0.1UF
C4C7	430B8155	C.ELEC 25V 47UF
C4C8	421C3479	C.CERAMIC 50V 0.1UF
C4C9	430B8155	C.ELEC 25V 47UF
C4E0	421C3479	C.CERAMIC 50V 0.1UF
C4E2	421C3479	C.CERAMIC 50V 0.1UF
C4E4	421C3479	C.CERAMIC 50V 0.1UF
C4E5	421C0213	C.CERAMIC 50V 1000PF
C401	430B9030	C.ELEC 16V 220UF
C402	428B3025	C.METAL FILM 50V 1.0UF
C403	430B9054	C.ELEC 35V 100UF
C404	430B9055	C.ELEC 35V 220UF
C405	423A2023	C.CERAMIC 50V 12PF
C406	428B3017	C.METAL FILM 50V 0.22UF
C407	4309H061	C.ELEC 35V 2200UF
C408	428B3023	C.METAL FILM 50V 0.68UF
C410	430B9054	C.ELEC 35V 100UF

SYMBOL	PARTS NO	DESCRIPTION
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C5F1	430B6029	C.ELEC 16V 100UF
C5F2	423A2028	C.CERAMIC 50V 20PF
C5F3	427F4601	C.FILM 50V 1000PF
C5F4	421C0225	C.CERAMIC 50V 0.01UF
C5F5	423A2029	C.CERAMIC 50V 22PF
C5F6	421D6013	C.CERAMIC 50V 0.1UF
C5F7	423A2041	C.CERAMIC 50V 68PF
C5F8	421C3479	C.CERAMIC 50V 0.1UF
C5F9	430C0045	C.ELEC 16V 22UF
C5H0	430B6017	C.ELEC 10V 220UF
C5H1	421C2862	C.CERAMIC 25V 0.01UF
C5H2	430B8165	C.ELEC 35V 47UF
C5H3	421A0425	C.CERAMIC 50V 0.01UF
C5H4	421C3479	C.CERAMIC 50V 0.1UF
C5H5	421C3479	C.CERAMIC 50V 0.1UF
C5H6	430B6068	C.ELEC 50V 47UF
C5H7	421C3479	C.CERAMIC 50V 0.1UF
C5H8	430B6041	C.ELEC 25V 47UF
C5H9	421C3479	C.CERAMIC 50V 0.1UF
C5J1	421C3479	C.CERAMIC 50V 0.1UF
C5J3	421C3479	C.CERAMIC 50V 0.1UF
C5K0	421C3479	C.CERAMIC 50V 0.1UF
C5K1	430C0043	C.ELEC 16V 10UF
C503	430C6344	C.ELEC 35V 100UF
C504	420C9567	C.CERAMIC 500V 2200PF
△C505	42817011	C.METAL FILM 1.4KV 2700PF
△C506	42817091	C.METAL FILM 1.4KV 2900PF
△C507	42839709	C.METAL 400V 0.36UF
△C508	42839303	C.FILM 400V 0.15UF
△C509	42839307	C.FILM 400V 0.27UF
△C510	42899042	C.METAL FILM 400V 0.64UF
△C511	420C9569	C.CERAMIC 50V 3300PF
△C512	420C9563	C.CERAMIC 500V 1000PF
△C513	421C2862	C.CERAMIC 25V 0.01UF
C514	421C2862	C.CERAMIC 25V 0.01UF
C515	421C2862	C.CERAMIC 25V 0.01UF
C516	430B6017	C.ELEC 10V 220UF
C517	430B6017	C.ELEC 10V 220UF
C518	423A2039	C.CERAMIC 50V 56PF
C519	430B9053	C.ELEC 35V 47UF

SYMBOL	PARTS NO	DESCRIPTION
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C411	427F4666	C.FILM 50V 0.018UF
C421	428B3023	C.METAL FILM 50V 0.58UF
C422	428B3017	C.METAL FILM 50V 0.22UF
C426	421C3479	C.CERAMIC 50V 0.1UF
C427	421C3479	C.CERAMIC 50V 0.1UF
C428	421C3479	C.CERAMIC 50V 0.1UF
C431	430C0045	C.ELEC 16V 22UF
C432	430C0052	C.ELEC 25V 4.7UF
C5A1	43518712	C.TANTALUM 35V 6.8UF
C5A2	427F4616	C.FILM 50V 0.018UF
C5A3	430C0077	C.ELEC 50V 1.0UF
C5A4	427F4607	C.FILM 50V 3300PF
C5A5	423J9017	C.CERAMIC 50V 270PF
C5A6	423J9017	C.CERAMIC 50V 270PF
C5A7	423A2029	C.CERAMIC 50V 22PF
C5A8	421C3479	C.CERAMIC 50V 0.1UF
C5A9	427F6999	C.FILM 50V 470PF
C5C0	421A0425	C.CERAMIC 50V 0.01UF
C5C3	423A2045	C.CERAMIC 50V 100PF
C5C5	421A0425	C.CERAMIC 50V 0.01UF
C5C7	427F8405	C.FILM 100V 2200PF
C5C8	421C3479	C.CERAMIC 50V 0.1UF
C5D1	421C3479	C.CERAMIC 50V 0.1UF
C5D2	430B6068	C.ELEC 50V 47UF
C5D3	423A2037	C.CERAMIC 50V 47PF
C5D4	427F4604	C.FILM 50V 1800PF
C5D5	427F4601	C.FILM 50V 1000PF
C5D6	430B9038	C.ELEC 25V 10UF
C5D7	427F4601	C.FILM 50V 1000PF
C5D8	421C3479	C.CERAMIC 50V 0.1UF
C5D9	430B6017	C.ELEC 10V 220UF
C5E0	427F4601	C.FILM 50V 1000PF
C5E1	433A4043	C.ELEC 35V 4.7UF
C5E2	430B9061	C.ELEC 50V 1.0UF
C5E3	427F4672	C.FILM 50V 0.056UF
C5E4	423A2103	C.CERAMIC 50V 180PF
C5E6	421C3479	C.CERAMIC 50V 0.1UF
C5E7	427F4609	C.FILM 50V 4700PF
C5E8	421D6013	C.CERAMIC 50V 0.1UF
C5E9	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
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C520	428CJ022	C.METAL FILM 250V 0.1UF
C521	430J8102	C.ELEC 160V 3.3UF
C522	430J8103	C.ELEC 160V 10UF
C523	430B6512	C.ELEC 160V 1.0UF
C524	420C9571	C.CERAMIC 500V 4700PF
C526	428C121	C.METAL FILM 50V 0.47UF
C527	428B3025	C.METAL FILM 50V 1.0UF
C528	427F8225	C.FILM 50V 1000PF
C529	427F4675	C.FILM 50V 0.1UF
△C530	42807516	C.FILM 1.6KV 4300PF
△C531	42807516	C.FILM 1.6KV 4300PF
△C532	428CJ022	C.METAL FILM 250V 0.1UF
C533	430B9098	C.ELEC 100V 10 UF
C535	430J8104	C.ELEC 200V 10UF
C537	428CJ022	C.METAL FILM 250V 0.1UF
C539	4309H060	C.ELEC 250V 3.3UF
C540	430B9532	C.ELEC 200V 1.0UF
C541	430B9537	C.ELEC 200V 22UF
C542	421C3479	C.CERAMIC 50V 0.1UF
C545	423A1045	C.CERAMIC 50V 100PF
C548	421C3479	C.CERAMIC 50V 0.1UF
C551	430B9033	C.ELEC 16V 1000UF
C553	430B9053	C.ELEC 35V 47UF
C554	430B9042	C.ELEC 25V 100UF
C555	430B9054	C.ELEC 35V 100UF
C556	430C6347	C.ELEC 35V 470UF
C557	430C6316	C.ELEC 10V 1000UF
C558	430B9019	C.ELEC 10V 470UF
C559	430B9041	C.ELEC 25V 47UF
C561	430B9045	C.ELEC 25V 470UF
C562	430B9030	C.ELEC 16V 220UF
C563	421A0425	C.CERAMIC 50V 0.01UF
C564	430B6030	C.ELEC 16V 220UF
C565	421D6013	C.CERAMIC 50V 0.1UF
C570	430B6016	C.ELEC 10V 100UF
C573	430B6046	C.ELEC 25V 1000UF
C591	430B6053	C.ELEC 35V 47UF
C592	430B6533	C.ELEC 200V 2.2UF
C593	428DD417	C.METAL FILM 250V 0.22UF
C701	421D6009	C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C702B	433A4013	C.ELEC 10V 47UF
C702G	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C703B	421A0425	C.CERAMIC 50V 0.01UF
C703G	421A0425	C.CERAMIC 50V 0.01UF
C703R	421A0425	C.CERAMIC 50V 0.01UF
C704B	430B8145	C.ELEC 16V 100UF
C704G	430B8145	C.ELEC 16V 100UF
C704R	430B8145	C.ELEC 16V 100UF
C705B	430C0065	C.ELEC 35V 10UF
C705G	430C0065	C.ELEC 35V 10UF
C705R	430C0065	C.ELEC 35V 10UF
C706B	430C0065	C.ELEC 35V 10UF
C706G	430C0065	C.ELEC 35V 10UF
C706R	430C0065	C.ELEC 35V 10UF
C707B	430B6042	C.ELEC 25V 100UF
C707G	430B6042	C.ELEC 25V 100UF
C707R	430B6042	C.ELEC 25V 100UF
C708B	430C0065	C.ELEC 35V 10UF
C708G	430C0065	C.ELEC 35V 10UF
C708R	430C0065	C.ELEC 35V 10UF
C709B	421D6009	C.CERAMIC 25V 0.1UF
C709G	421D6009	C.CERAMIC 25V 0.1UF
C709R	421D6009	C.CERAMIC 25V 0.1UF
C710	421D6009	C.CERAMIC 25V 0.1UF
C712	430B9028	C.ELEC 16V 47UF
C713	421D6009	C.CERAMIC 25V 0.1UF
C720B	433A7013	C.ELEC 16V 47UF
C720G	433A7013	C.ELEC 16V 47UF
C720R	433A7013	C.ELEC 16V 47UF
C721B	421C0213	C.CERAMIC 50V 1000PF
C721G	421C0213	C.CERAMIC 50V 1000PF
C721R	421C0213	C.CERAMIC 50V 1000PF
C724B	430B9028	C.ELEC 16V 47UF
C724G	430B9028	C.ELEC 16V 47UF
C724R	430B9028	C.ELEC 16V 47UF
C725B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C725R	421C0225	C.CERAMIC 50V 0.01UF
C726B	421C0225	C.CERAMIC 50V 0.01UF

SYMBOL	PARTS NO	DESCRIPTION
C8A5	421C3479	C.CERAMIC 50V 0.1UF
C8A6	421C3479	C.CERAMIC 50V 0.1UF
C8A7	430B8152	C.ELEC 25V 10UF
C8C1	430B6065	C.ELEC 50V 10UF
C8C3	421D6009	C.CERAMIC 25V 0.1UF
C8C4	430B6031	C.ELEC 16V 330UF
C8C5	430B6041	C.ELEC 25V 47UF
C802	433A4023	C.ELEC 16V 22UF
C803	433A4023	C.ELEC 16V 22UF
C804	421D6009	C.CERAMIC 25V 0.1UF
C805	423A2101	C.CERAMIC 50V 120PF
C806	421D6009	C.CERAMIC 25V 0.1UF
C807	430B6042	C.ELEC 25V 100UF
C808	427F4601	C.FILM 50V 1000PF
C809	427F4601	C.FILM 50V 1000PF
C810	427F4609	C.FILM 50V 4700PF
C811	433A4056	C.ELEC 50V 2.2UF
C812	430B6062	C.ELEC 50V 2.2UF
C813	430A4104	C.ELEC 50V 0.68UF
C814	433A4058	C.ELEC 50V 4.7UF
C815	430B6065	C.ELEC 50V 10UF
C816	430B6064	C.ELEC 50V 4.7UF
C817	430B6064	C.ELEC 50V 4.7UF
C818	430B6061	C.ELEC 50V 1.0UF
C819	423A2104	C.CERAMIC 50V 220PF
C840	421C3479	C.CERAMIC 50V 0.1UF
C841	421C3479	C.CERAMIC 50V 0.1UF
C842	421C3479	C.CERAMIC 50V 0.1UF
C855	430B6065	C.ELEC 50V 10UF
C856	423A2015	C.CERAMIC 50V 10PF
C857	423F0013	C.CERAMIC 50V 10PF
C874A	430B8145	C.ELEC 16V 100UF
C874B	421C3479	C.CERAMIC 50V 0.1UF
C880	421C3479	C.CERAMIC 50V 0.1UF
C887	421C3479	C.CERAMIC 50V 0.1UF
C888	421C3479	C.CERAMIC 50V 0.1UF
C889	421C3479	C.CERAMIC 50V 0.1UF
C890	421C3479	C.CERAMIC 50V 0.1UF
C892	421C3479	C.CERAMIC 50V 0.1UF
C893	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C726G	421C0225	C.CERAMIC 50V 0.01UF
C726R	421C0225	C.CERAMIC 50V 0.01UF
C727	421J9005	C.CERAMIC 25V 0.01UF
C729B	430B9062	C.ELEC 50V 2.2UF
C729G	430B9062	C.ELEC 50V 2.2UF
C729R	430B9062	C.ELEC 50V 2.2UF
C731	421C0225	C.CERAMIC 50V 0.01UF
C732	421C0225	C.CERAMIC 50V 0.01UF
C733	433A7021	C.ELEC 25V 10UF
C750B	421C0225	C.CERAMIC 50V 0.01UF
C750G	421C0225	C.CERAMIC 50V 0.01UF
C750R	421C0225	C.CERAMIC 50V 0.01UF
C751	421C0225	C.CERAMIC 50V 0.01UF
C752	430B9029	C.ELEC 16V 100UF
C760	421D6009	C.CERAMIC 25V 0.1UF
C761	430B9029	C.ELEC 16V 100UF
C762	430B9516	C.ELEC 160V 10UF
C763	420C9569	C.CERAMIC 50V 3300PF
C764B	423A2043	C.CERAMIC 50V 82PF
C764G	423A2043	C.CERAMIC 50V 82PF
C764R	423A2043	C.CERAMIC 50V 82PF
C781B	42840097	C.FILM 250V 0.22UF
C781G	42840097	C.FILM 250V 0.22UF
C781R	42840097	C.FILM 250V 0.22UF
C782B	430B9512	C.ELEC 160V 1.0UF
C782G	430B9512	C.ELEC 160V 1.0UF
C782R	430B9512	C.ELEC 160V 1.0UF
C783B	420C9563	C.CERAMIC 500V 1000PF
C783G	420C9563	C.CERAMIC 500V 1000PF
C783R	420C9563	C.CERAMIC 500V 1000PF
C786	430B9556	C.ELEC 250V 10UF
C787	420C9565	C.CERAMIC 500V 1500PF
C789	427E4163	C.FILM 100V 0.01UF
C792	430B9029	C.ELEC 16V 100UF
C793	430B9032	C.ELEC 16V 470UF
C794B	421C0221	C.CERAMIC 50V 4700PF
C794G	421C0221	C.CERAMIC 50V 4700PF
C8A0	430B9016	C.ELEC 10V 100UF
C8A3	421C3479	C.CERAMIC 50V 0.1UF
C8A4	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C899	430B6041	C.ELEC 25V 47UF
C901	420C9551	C.CERAMIC 500V 1000PF
C902	420C9563	C.CERAMIC 500V 1000PF
C903	420DK108	C.CERAMIC 2KV 10000PF

# REPLACEMENT PARTS LIST

The components specified for Model JC-1531VMA-2(NT)

**Note:** The components identified by  $\Delta$  make are critical for safety.

Replace only with parts Number specified.

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* CRT & TUNER \*\*\*

$\Delta$ CRT	33015536	CRT M36KME20XX21 (T0)
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\*\*\* ICS \*\*\*

IC4A1	37056963	IC UPC5203CU-025
IC4A2	37056877	IC NJM4200D (MULTIPLIER)
IC4A3	37056877	IC NJM4200D (MULTIPLIER)
IC4A4	37051036	MOS UPD4066BC
IC4A5	37011206	IC XRA10358 (OP-AMP)
IC4A6	37053133	MOS TC74HC123P
IC401	37056689	IC LA7837
$\Delta$ IC5A1	37056217	IC LA7850
IC5A2	37056962	IC UPC5202CU-017
IC5A3	37011262	IC XRA10393 (COMP)
IC5A4	37011262	IC XRA10393 (COMP)
IC5A5	37056961	IC UPC5202CU-014
IC5A6	37011262	IC XRA10393 (COMP)
IC501	37053337	MOS XRU4538B (MULTIVIB)
IC551	37005210	IC UPC24M18HF (REG)
IC552	37005193	IC P012RF11 (REG)
IC553	37005182	IC LM7812C (REG)
IC701	37056814	IC M52035P
IC702	37056923	IC M52307P
IC703	37056872	IC VPS08N
IC704	37011210	IC XRA10324 (Q OP-AMP)
$\Delta$ IC801	37056867	IC M520365P
IC851	37056973	MOS UPD78C12AGQ-A89-36
IC852	37056813	IC M62359P
IC853	37056812	IC M62362P
IC854	37056812	IC M62362P
IC855	37055401	MOS XRM93C56B-E
IC856	371E1514	IC PST529D-2(T) (VOLTAGE D
IC858	37011206	IC XRA10358 (OP-AMP)
IC859	37056917	IC XRA10324A (Q OP-AMP)
IC864	37903232	IC LM2940CT-5.0

SYMBOL	PARTS NO	DESCRIPTION
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Q551	350E3218	TR 2SC1740S-T R
Q552	35122100	TR 2SK703
Q553	350K5718	TR 2SA933S-T R
Q554	35026216	TR 2SB772 P
Q591	350K4513	TR 2SA933-T R
Q592	35056311	TR 2SC2688 K
Q701B	350J3016	TR 2SC2926S-T P
Q701G	350J3016	TR 2SC2926S-T P
Q701R	350J3016	TR 2SC2926S-T P
Q704	351G0601	TR DTC114ES-T
Q705	350E3218	TR 2SC1740S-T R
Q721	350E3218	TR 2SC1740S-T R
Q722	350K4518	TR 2SA933-T R
Q750B	350J4604	TR 2SC3776-AA D
Q750G	350J4604	TR 2SC3776-AA D
Q750R	350J4604	TR 2SC3776-AA D
Q770	350E3218	TR 2SC1740S-T R
Q771	350E3218	TR 2SC1740S-T R
Q772	350K4518	TR 2SA933-T R
Q780B	350K5217	TR 2SA1018-TA Q
Q780G	350K5217	TR 2SA1018-TA Q
Q780R	350K5217	TR 2SA1018-TA Q
Q781B	350H4417	TR 2SC1473-TA Q
Q781G	350H4417	TR 2SC1473-TA Q
Q781R	350H4417	TR 2SC1473-TA Q
Q801	350K4518	TR 2SA933-T R
Q802	350K4518	TR 2SA933-T R
Q803	351G0652	TR DTC113ZS-T
Q804	351G0602	TR DTC114ES-T
Q805	351G0601	TR DTC114ES-T
Q806	351G0601	TR DTC114ES-T
Q851	351G0656	TR DTC143XS-T
Q852	350E3218	TR 2SC1740S-T R
Q853	35069805	TR 2SD1763 E

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* TRANSISTORS \*\*\*

Q4A1	350E3218	TR 2SC1740S-T R
Q4A2	351G0602	TR DTC144ES-T
Q4A3	350E3218	TR 2SC1740S-T R
Q4A4	351G0601	TR DTC114ES-T
Q401	350J2717	TR 2SC3377-T Q
Q402	359K7618	TR 2SA1515 R
Q404	351G0602	TR DTC144ES-T
Q406	351G0602	TR DTC144ES-T
Q431	350E3218	TR 2SC1740S-T R
Q432	350E3218	TR 2SC1740S-T R
Q5A1	350E3218	TR 2SC1740S-T R
Q5A2	350K5717	TR 2SA933S-T Q
Q5A3	350H5017	TR 2SC3811-TA Q
Q5A5	350E3218	TR 2SC1740S-T R
Q5A6	351G0601	TR DTC114ES-T
Q5F1	350K5717	TR 2SA933S-T Q
Q5H1	350H5018	TR 2SC3811-TA R
Q501	350E3218	TR 2SC1740S-T R
Q502	350K4519	TR 2SA933-T S
Q503	35122700	TR 2SK699
$\Delta$ Q504	35031112	TR 2SB1096 L
Q505	35070100	TR HPA100
Q506	35122500	TR 2SK758
Q507	35122500	TR 2SK758
Q508	35127300	TR 2SK947-M
Q509	351G0656	TR DTC143XS-T
Q510	35125400	TR 1RF9610
Q511	350C1218	TR 2SB1329-T105 R
Q512	350G1018	TR 2SD2005-T105 R
Q513	350E4311	TR 2SC2001-T K
$\Delta$ Q514	350K4412	TR 2SA952 L AT
Q515	35125500	TR 1RPF40
Q517	35125400	TR 1RF9610
Q518	350E3218	TR 2SC1740S-T R
Q519	350K5718	TR 2SA933S-T R
Q520	350E3218	TR 2SC1740S-T R
Q521	350K5718	TR 2SA933S-T R
Q522	350H5017	TR 2SC3811-TA Q

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* DIODES \*\*\*

D101	360K1027	DIODE 1SS132
D102	360K1027	DIODE 1SS132
D103	360K1027	DIODE 1SS132
D104	360K1027	DIODE 1SS132
D105	360K1027	DIODE 1SS132
D106	360K1027	DIODE 1SS132
D107	360K1027	DIODE 1SS132
D108	360K1027	DIODE 1SS132
D109	360K1027	DIODE 1SS132
D110	360K1027	DIODE 1SS132
D111	360K1027	DIODE 1SS132
D112	360K1027	DIODE 1SS132
D113	360K1027	DIODE 1SS132
D114	360K1027	DIODE 1SS132
D115	360K1027	DIODE 1SS132
D116	360K1027	DIODE 1SS132
D118	36801342	LED GL3EG8
D119	36801331	LED SLR-54MT3F/PQ
D120	36801331	LED SLR-54MT3F/PQ
$\Delta$ D2004	361K7562	DIODE EGP10G G23
$\Delta$ D2005	361K7562	DIODE EGP10G G23
D401	361K7160	DIODE TVR06G G23
D402	360K1027	DIODE 1SS132
D403	360K1027	DIODE 1SS132
D5A1	360K1027	DIODE 1SS132
D5A2	360K1027	DIODE 1SS132
D5A3	360K1027	DIODE 1SS132
D5A4	360K1027	DIODE 1SS132
D5A5	360K1027	DIODE 1SS132
D5A6	360K1027	DIODE 1SS132
D5A7	360K1027	DIODE 1SS132
D5A8	360K1027	DIODE 1SS132
D5A9	360K1027	DIODE 1SS132
D5C1	369K2136	DIODE RGP10G AT
D5E1	380K5054	VARIATOR MA29W-A (TP)
D5E2	380K5054	VARIATOR MA29W-A (TP)
D501	36107293	DIODE RK14
D503	36107560	DIODE RG2A2

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SYMBOL	PARTS NO	DESCRIPTION
△D504	36107560	DIODE RG2A2
△D505	360K1027	DIODE ISS132
△D506	360K1027	DIODE ISS132
D507	360K1027	DIODE ISS132
D508	36107507	DIODE RG4
D509	361K7160	DIODE TVR06G G23
D510	361K7562	DIODE EGP10G G23
D511	361K7562	DIODE EGP10G G23
D512	361K7562	DIODE EGP10G G23
D513	361K7562	DIODE EGP10G G23
D514	361K7160	DIODE TVR06G G23
D517	360K1027	DIODE ISS132
D518	36107507	DIODE RG4
D519	361K7160	DIODE TVR06G G23
D521	361K7550	DIODE ISR35-400A
D522	360K1027	DIODE ISS132
D523	360K1027	DIODE ISS132
D551	361K7630	DIODE EU 2YX V1
D552	361K7160	DIODE TVR06G G23
D553	361K7562	DIODE EGP10G G23
D555	360K1027	DIODE ISS132
D556	360K1027	DIODE ISS132
D557	361K7562	DIODE EGP10G G23
D558	361K7562	DIODE EGP10G G23
D571	360K1027	DIODE ISS132
D591	360K1027	DIODE ISS132
D592	360K1032	DIODE ISS82-TA
D593	360K1032	DIODE ISS82-TA
D701	360K1027	DIODE ISS132
D702	360K1027	DIODE ISS132
D703	360K1027	DIODE ISS132
D704	360K1027	DIODE ISS132
D705	360K1027	DIODE ISS132
D706	360K1027	DIODE ISS132
D707	360K1027	DIODE ISS132
D708	360K1027	DIODE ISS132
D709	360K1027	DIODE ISS132
D710	360K1027	DIODE ISS132
D711	360K1027	DIODE ISS132

SYMBOL	PARTS NO	DESCRIPTION
D712	360K1027	DIODE ISS132
D713	360K1027	DIODE ISS132
D715B	360K1027	DIODE ISS132
D715G	360K1027	DIODE ISS132
D715R	360K1027	DIODE ISS132
D720	360K1027	DIODE ISS132
D721	380K5054	VARIATOR MA29W-A (TP)
D722	360K1027	DIODE ISS132
D760B	360K1032	DIODE ISS82-TA
D760G	360K1032	DIODE ISS82-TA
D760R	360K1032	DIODE ISS82-TA
D761B	360K1032	DIODE ISS82-TA
D761G	360K1032	DIODE ISS82-TA
D761R	360K1032	DIODE ISS82-TA
D781R	360K1032	DIODE ISS82-TA
D782	360K1037	DIODE ISS83
D801	360K1027	DIODE ISS132
D802	360K1027	DIODE ISS132
D803	360K1027	DIODE ISS132
ZD4A1	360A0039	DIODE MTZJ5.6B T-72
ZD4A2	360K3694	DIODE RD2ESB(1)/ESAB(1)
ZD401	360A0094	DIODE MTZJ20D
ZD402	360K3602	DIODE RD2.0ESB(1)-T4
ZD5A2	360A0035	DIODE MTZJ5.1B T-72
ZD5A3	360A0056	DIODE MTZJ8.2C T-72
ZD5A4	360A0054	DIODE MTZJ8.2A T-72
ZD5A5	360A0035	DIODE MTZJ5.1B T-72
ZD502	360K3143	DIODE RD8.2JSB(1)-T4
ZD503	360K3659	DIODE RD9.1ESB(2)-T4
ZD504	360K3834	DIODE MTZ11ABC T-72
ZD507	360K3660	DIODE RD9.1ESB(3)-T4
ZD510	360K3658	DIODE RD9.1ESB(1)-T4
ZD553	360K3134	DIODE RD15EB(2)-T4
ZD557	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD558	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD559	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD560	360K3624	DIODE RD3.9ESB(2)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD561	360K3624	DIODE RD3.9ESB(2)-T4
ZD562	360K3624	DIODE RD3.9ESB(2)-T4
ZD563	360K3635	DIODE RD5.1ESB(2)-T4
ZD570	36003662	DIODE RD10ESB(1)
ZD760	360A0056	DIODE MTZJ8.2C T-72
ZD851	360K3634	DIODE RD5.1ESB(1)-T4
ZD852	360A0030	DIODE MTZJ4.7A T-72
ZD853	360A0038	DIODE MTZJ5.6A T-72
ZD854	360A0009	DIODE MTZJ2.4B T-72

\*\*\* TRANSFORMERS \*\*\*

L507	46206002	TRANS. CHOKE 8MH
T501	45804009	TRANS. H. DRIVE
△T502	47710014	TRANS. H. OUT
△T503	47105673	F. S. T.
T551	46304113	TRANS. CONVERTER

\*\*\* VARIABLE RESISTORS \*\*\*

VR101	41011121	R.VARIABLE B50K
VR102	41011121	R.VARIABLE B50K
VR401	41071359	R.VARIABLE B2 2K
VR402	41071363	R.VARIABLE B10K
VR403	41087010	R.VARIABLE 20K 0.2W
VR404	410G1167	R.VARIABLE B47K
VR431	410G1161	R.VARIABLE B4.7K
VR501	410G1163	R.VARIABLE B10K
VR502	41087006	R.VARIABLE B2K
VR503	41087005	R.VARIABLE B1K
VR505	415K5158	R.VARIABLE B10K
VR551	41071360	R.VARIABLE B3.3K
VR552	41599203	R.VARIABLE B200H
VR701	410G2060	R.VARIABLE B20K
VR702	410G2060	R.VARIABLE B20K
VR703	410G2060	R.VARIABLE B20K
VR704	410G2061	R.VARIABLE B30
VR705	410G2061	R.VARIABLE B30
VR706	410G2061	R.VARIABLE B30
VR707	410G2062	R.VARIABLE B50K
VR708	410G2062	R.VARIABLE B50K
VR709	410G2062	R.VARIABLE B50K

SYMBOL	PARTS NO	DESCRIPTION
VR710	410G2064	R.VARIABLE B200K
VR851	41018255	R.VARIABLE B1K
VR852	41087005	R.VARIABLE B1K
VR854	410G1159	R.VARIABLE B2.2K

\*\*\* RELAYS & SWITCHES \*\*\*

△RL501	65660013	RELAY VE 24HME-K
RL502	65660028	RELAY SY-24W-K
SW	65360027	SWITCH, PUSH BUTTON
SW101	653F0033	SWITCH, PUSH BUTTON
SW102	653F0033	SWITCH, PUSH BUTTON
SW103	653F0033	SWITCH, PUSH BUTTON
SW104	653F0033	SWITCH, PUSH BUTTON
SW105	653F0033	SWITCH, PUSH BUTTON
SW106	653F0033	SWITCH, PUSH BUTTON
SW107	653F0033	SWITCH, PUSH BUTTON
SW108	653F0033	SWITCH, PUSH BUTTON
SW109	653F0033	SWITCH, PUSH BUTTON
SW110	653F0033	SWITCH, PUSH BUTTON
SW111	65161059	SWITCH, SLIDE 1-6L-3NS
SW112	65161048	SWITCH, SLIDE

\*\*\* COILS & FILTERS \*\*\*

DG	61315104	COIL, DEGAUSSING
FC701	39013039	C.NETWORK 25V 0.1UF
FC850	39013039	C.NETWORK 25V 0.1UF
FC851	39013041	C.NETWORK 25V 0.1UF
FC852	39013044	C.NETWORK 25V 0.1UF
FC853	39013041	C.NETWORK 25V 0.1UF
FL001	61062076	POWER LINE FILTER
FR850	390C0437	R.NETWORK 3*10K 5% 1/8W
FR851	390C0432	R.NETWORK 6*10K 5% 1/8W
FR852	390C0451	R.NETWORK 10K 5% 1/8W
LC701	390J9027	FILTER ZJSC-R12-100TA
LC702	390J9027	FILTER ZJSC-R12-100TA
LC703	390J9027	FILTER ZJSC-R12-100TA
LC760	616K6945	NOISE FILTER TH18103MA
LC781	616K6027	NOISE FILTER 2A222-TA
LC782	616K6966	NOISE FILTER

SYMBOL	PARTS NO	DESCRIPTION
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LC783	616K6028	NOISE FILTER 1H223X-TA
LC801	61606822	NOISE FILTER 50V 47UH
LC802	390J9015	FILTER ZJSC-2R2-101TA
LC803	390J9015	FILTER ZJSC-2R2-101TA
LC804	390J9015	FILTER ZJSC-2R2-101TA
LC805	390J9015	FILTER ZJSC-2R2-101TA
LC850	616K6718	NOISE FILTER 10000UH
LC901	616K6028	NOISE FILTER 1H223X-TA
LC902	616K6075	NOISE FILTER
L401	610F7025	COIL FILTER 47UH
LSA1	610E1717	COIL FILTER 10UH
LSA2	610E1717	COIL FILTER 10UH
LSA3	610E1717	COIL FILTER 10UH
LSA4	610E1717	COIL FILTER 10UH
△LS01	60919128	COIL H.LIN
△LS02	60919129	COIL H.LIN
△LS03	61070180	COIL CHOKE 4MH
LS04	61070235	FILTER CHOKE 4MH
LS05	610F3025	COIL FILTER 47UH
△LS09	610F3025	COIL FILTER 47UH
△LS10	61070181	COIL CHOKE PJ87-102K
LS12	61070181	COIL CHOKE PJ87-102K
LS51	610F3025	COIL FILTER 47UH
LS52	610F3025	COIL FILTER 47UH
LS53	610F7018	COIL FILTER 12UH
L701B	610E1726	COIL FILTER 56UH
L701G	610E1726	COIL FILTER 56UH
L701R	610E1726	COIL FILTER 56UH
L720	610E1729	COIL FILTER 100UH
L761	610E1711	COIL FILTER 3.3UH
L801	610F7010	COIL FILTER 2.7UH
L901	610F5804	COIL FILTER 0.47UH
L902	610F5804	COIL FILTER 0.47UH
L903	610F5804	COIL FILTER 0.47UH

\*\*\* PWB ASSYS \*\*\*

	84M40C01	VIDEO PWB ASSY
	84M40E01	UNIT PWB ASSY
	84M41F01	MAIN PWB ASSY
	84N44L01	CONTROL PWB ASSY

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* ELECTRICAL PARTS & MISCELLANEOUS PARTS \*\*\*

	70032056	CRT SOCKET
	74004891	CAP
CABLE	73893128	SIGNAL CABLE (MD15P-11P)K
CORD	70810757	LINE CORD 3P L=1.8
HS401	31709202	SHEET INSULATOR
HS505	31709507	SHEET INSULATOR HEAT SINK
HS515	31709505	SHEET INSULATOR
LS0E	49801010	INDUCTOR DUMMY
SG9C1	329J0047	ARRESTER (300V).AT52
SG9C2	329J0047	ARRESTER (300V).AT52
SG9C3	329J0047	ARRESTER (300V).AT52
SG9C4	329J0047	ARRESTER (300V).AT52
SG9C5	667K6007	SPARK GAP 1.5KV
SW-PS	31102029	SW REG UNIT (SMP-120BB)
△UNIT2	79100031	UNIT 2 (HV PROTECTOR)
X1	64099072	CRYSTAL RESONATOR

\*\*\* APPEARANCE PARTS \*\*\*

	25779892	NAME PLATE INSTRUCTION (720N)
	25313801	CABINET BACK (A)
	25419001	REVOLVING STAND ASSY
	25317591	CABINET FRONT ASSY
	25313791	CABINET BACK ASSY
	25419021	REVOLVING SPINDLE
	25534631	COIL SPRING
	25757643	LABEL (REV.)

\*\*\* KNOBS & PUSH BUTTONS \*\*\*

	25454671	PUSH BUTTON (SW)
	25454681	KNOB CONTROL
	25454691	KNOB SLIDE

\*\*\* PRINTED & PACKING MATERIALS \*\*\*

	24813191	BAG POLYETHYLENE (150*370)
	25607291	SLIDE SHEET
	25823181	FILLER (T) CARTON
	25823192	FILLER (B) CARTON

SYMBOL	PARTS NO	DESCRIPTION
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	25825501	SHEET PROTECTION
	25828821	CARTON BOX (JC-1531VMA-2)
	78034408	MONITOR SALES OFFICE LIST
	78127512	INSTRUCTION BOOK

\*\*\* RESISTORS \*\*\*

C790	401J9820	R.CARBON 0.0H
R101	401J9820	R.CARBON 0.0H
R105	401H5671	R.CARBON 820H 5% 1/2W
R106	401K5659	R.CARBON 270H 5% 1/6W
	401K5697	R.CARBON 10K 5% 1/6W
R4A0	404C1723	R.METAL 120K 1% 1/6W
R4A1	404C1704	R.METAL 20K 1% 1/6W
R4A2	404C1723	R.METAL 120K 1% 1/6W
R4A3	404C1704	R.METAL 20K 1% 1/6W
R4A5	404C1723	R.METAL 120K 1% 1/6W
R4A6	404C1723	R.METAL 120K 1% 1/6W
R4A7	404C1697	R.METAL 10K 1% 1/6W
R4A8	404C1733	R.METAL 330K 1% 1/6W
R4A9	404C1727	R.METAL 180K 1% 1/6W
R4C0	404C1727	R.METAL 180K 1% 1/6W
R4C1	404C1727	R.METAL 180K 1% 1/6W
R4C2	404C1727	R.METAL 180K 1% 1/6W
R4C3	404C1727	R.METAL 180K 1% 1/6W
R4C4	404C1727	R.METAL 180K 1% 1/6W
R4C5	404C1727	R.METAL 180K 1% 1/6W
R4C6	401K5731	R.CARBON 270K 5% 1/6W
R4C7	404C1727	R.METAL 180K 1% 1/6W
R4C8	401K5681	R.CARBON 2.2K 5% 1/6W
R4C9	401K5677	R.CARBON 1.5K 5% 1/6W
R4D0	401K5647	R.CARBON 82H 5% 1/6W
R4D1	404C1704	R.METAL 20K 1% 1/6W
R4D2	401K5721	R.CARBON 100K 5% 1/6W
R4D3	401K5625	R.CARBON 10H 5% 1/6W
R4D5	404C1713	R.METAL 47K 1% 1/6W
R4D6	404C1737	R.METAL 470K 1% 1/6W
R4D7	401K5705	R.CARBON 22K 5% 1/6W
R4D8	404C1728	R.METAL 200K 1% 1/6W
R4D9	401K5689	R.CARBON 4.7K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
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R4E0	401K5705	R.CARBON 22K 5% 1/6W
R4E1	401K5697	R.CARBON 10K 5% 1/6W
R4E2	401K5697	R.CARBON 10K 5% 1/6W
R4E3	401K5697	R.CARBON 10K 5% 1/6W
R4E4	401K5697	R.CARBON 10K 5% 1/6W
R401	401K5709	R.CARBON 33K 5% 1/6W
R402	401K5683	R.CARBON 2.7K 5% 1/6W
R403	403F2103	R.METAL OXIDE 1.2H 5% 2W
R404	404C1703	R.METAL 18K 1% 1/6W
R405	404C1703	R.METAL 18K 1% 1/6W
R406	401K5709	R.CARBON 33K 5% 1/6W
R407	401H5653	R.CARBON 150H 5% 1/2W
R408	401K5611	R.CARBON 2.7H 5% 1/6W
R409	401K5721	R.CARBON 100K 5% 1/6W
△R410	403F2151	R.METAL OXIDE 120H 5% 2W
R411	401G6117	R.CARBON 4.7H 5% 1/4W
R412	401K5689	R.CARBON 4.7K 5% 1/6W
R413	401K5673	R.CARBON 1.0K 5% 1/6W
R414	401K5673	R.CARBON 1.0K 5% 1/6W
R415	401K5661	R.CARBON 330H 5% 1/6W
R420	401K5673	R.CARBON 1.0K 5% 1/6W
R421	404C1728	R.METAL 200K 1% 1/6W
R422	401K5689	R.CARBON 4.7K 5% 1/6W
R423	404C1740	R.METAL 620K 1% 1/6W
R425	404C1700	R.METAL 13K 1% 1/6W
R426	404C1724	R.METAL 130K 1% 1/6W
R427	404C1697	R.METAL 10K 1% 1/6W
R431	401K5689	R.CARBON 4.7K 5% 1/6W
R432	401K5673	R.CARBON 1.0K 5% 1/6W
R433	401K5713	R.CARBON 47K 5% 1/6W
R434	401K5713	R.CARBON 47K 5% 1/6W
R435	401K5689	R.CARBON 4.7K 5% 1/6W
R436	401K5689	R.CARBON 4.7K 5% 1/6W
R437	401K5681	R.CARBON 2.2K 5% 1/6W
RS41	401K5673	R.CARBON 1.0K 5% 1/6W
RS42	401K5705	R.CARBON 22K 5% 1/6W
RS43	401K5689	R.CARBON 4.7K 5% 1/6W
RS44	401K5697	R.CARBON 10K 5% 1/6W
RS45	401K5691	R.CARBON 5.6K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5A6	401K5705	R. CARBON 22K 5% 1/6W
R5A7	401K5699	R. CARBON 12K 5% 1/6W
R5A8	401K5687	R. CARBON 3.9K 5% 1/6W
R5A9	401K5677	R. CARBON 1.5K 5% 1/6W
R5C0	404C1705	R. METAL 22K 1% 1/6W
R5C1	404C1711	R. METAL 39K 1% 1/6W
R5C3	401K5635	R. CARBON 27H 5% 1/6W
R5C4	401K5689	R. CARBON 4.7K 5% 1/6W
R5C5	401K5683	R. CARBON 2.7K 5% 1/6W
R5C7	404C1699	R. METAL 12K 1% 1/6W
R5C8	404C1684	R. METAL 3.0K 1% 1/6W
R5C9	401K5697	R. CARBON 10K 5% 1/6W
R5D1	401K5745	R. CARBON 1.0M 5% 1/6W
R5D2	404C1697	R. METAL 10K 1% 1/6W
R5D4	401K5697	R. CARBON 10K 5% 1/6W
R5D5	401K5695	R. CARBON 8.2K 5% 1/6W
R5D6	404C1707	R. METAL 27K 1% 1/6W
R5D8	404C1673	R. METAL 1.0K 1% 1/6W
R5D9	404C1685	R. METAL 3.3K 1% 1/6W
R5E1	404C1697	R. METAL 10K 1% 1/6W
R5E2	404C1731	R. METAL 270K 1% 1/6W
R5E3	404C1733	R. METAL 330K 1% 1/6W
R5E4	401K5745	R. CARBON 1.0M 5% 1/6W
△R5E5	401K5693	R. CARBON 6.8K 5% 1/6W
R5E6	401K5709	R. CARBON 33K 5% 1/6W
R5E7	401K5705	R. CARBON 22K 5% 1/6W
R5E8	401K5691	R. CARBON 5.6K 5% 1/6W
R5E9	401K5695	R. CARBON 8.2K 5% 1/6W
R5F0	401K5745	R. CARBON 1.0M 5% 1/6W
R5F1	401K5695	R. CARBON 8.2K 5% 1/6W
R5F2	401K5675	R. CARBON 1.2K 5% 1/6W
R5F3	401K5697	R. CARBON 10K 5% 1/6W
R5F4	401K5715	R. CARBON 56K 5% 1/6W
R5F5	401K5697	R. CARBON 10K 5% 1/6W
R5F6	401K5691	R. CARBON 5.6K 5% 1/6W
R5F7	401K5721	R. CARBON 100K 5% 1/6W
R5F8	401C6761	R. CARBON 4.7M 5% 1/4W
R5F9	401K5721	R. CARBON 100K 5% 1/6W
R5G0	401K5697	R. CARBON 10K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R524	401K5695	R. CARBON 8.2K 5% 1/6W
R525	401K5721	R. CARBON 100K 5% 1/6W
R526	401K5733	R. CARBON 330K 5% 1/6W
R527	404C1695	R. METAL 8.2K 1% 1/6W
R528	404C1673	R. METAL 1.0K 1% 1/6W
R529	401K5697	R. CARBON 10K 5% 1/6W
R530	404C1697	R. METAL 10K 1% 1/6W
R531	401C6677	R. CARBON 1.5K 5% 1/4W
R532	401C6629	R. CARBON 15H 5% 1/4W
△R533	401H5687	R. CARBON 3.9K 5% 1/2W
R534	401K5731	R. CARBON 270K 5% 1/6W
R535	401K5729	R. CARBON 220K 5% 1/6W
△R536	401G6109	R. CARBON 2.2H 5% 1/4W
R537	401G6109	R. CARBON 2.2H 5% 1/4W
R538	401G6109	R. CARBON 2.2H 5% 1/4W
△R540	403F1107	R. METAL 1.8H 5% 1W
R541	401H5697	R. CARBON 10K 5% 1/2W
R544	401C6673	R. CARBON 1.0K 5% 1/4W
R545	401C6697	R. CARBON 10K 5% 1/4W
R546	401K5733	R. CARBON 330K 5% 1/6W
R547	401K5733	R. CARBON 330K 5% 1/6W
R548	40372133	R. METAL 22H 5% 2W
R549	404C1739	R. METAL 560K 1% 1/6W
R553	401K5689	R. CARBON 4.7K 5% 1/6W
△R554	403F1101	R. METAL OXIDE 1H 5% 1W
△R555	401G6101	R. CARBON 1.0H 5% 1/4W
△R559	401K5697	R. CARBON 10K 5% 1/6W
R560	401H5681	R. CARBON 2.2K 5% 1/2W
R561	401H5665	R. CARBON 470H 5% 1/2W
R562	404C1724	R. METAL 130K 1% 1/6W
R563	401K5681	R. CARBON 2.2K 5% 1/6W
△R570	401G6133	R. CARBON 22H 5% 1/4W
△R571	401G6133	R. CARBON 22H 5% 1/4W
R572	401H5693	R. CARBON 6.8K 5% 1/2W
R573	401K5697	R. CARBON 10K 5% 1/6W
R574	401K5697	R. CARBON 10K 5% 1/6W
R575	401C6689	R. CARBON 4.7K 5% 1/4W
R576	401K5705	R. CARBON 22K 5% 1/6W
R577	401K5673	R. CARBON 1.0K 5% 1/6W
R578	403F1177	R. METAL OXIDE 1.5K 5% 1W

SYMBOL	PARTS NO	DESCRIPTION
R5G1	401K5701	R. CARBON 15K 5% 1/6W
R5G2	401K5705	R. CARBON 22K 5% 1/6W
R5G3	401K5713	R. CARBON 47K 5% 1/6W
R5G4	401K5745	R. CARBON 1.0M 5% 1/6W
R5G5	401K5697	R. CARBON 10K 5% 1/6W
R5G6	401K5691	R. CARBON 5.6K 5% 1/6W
R5G7	401K5697	R. CARBON 10K 5% 1/6W
R5G8	401K5709	R. CARBON 33K 5% 1/6W
R5H2	401K5665	R. CARBON 470H 5% 1/6W
R5H3	401K5697	R. CARBON 10K 5% 1/6W
R5H4	401K5693	R. CARBON 6.8K 5% 1/6W
R5H5	401K5697	R. CARBON 10K 5% 1/6W
R5J0	401H5653	R. CARBON 150H 5% 1/2W
R5J2	403F2165	R. METAL 470H 5% 2W
R5K1	401K5715	R. CARBON 56K 5% 1/6W
R5K2	401K5715	R. CARBON 56K 5% 1/6W
R5K3	401K5715	R. CARBON 56K 5% 1/6W
R5L7	401K5697	R. CARBON 10K 5% 1/6W
R5D1	401K5675	R. CARBON 1.2K 5% 1/6W
R5O2	401K5661	R. CARBON 330H 5% 1/6W
R5O4	401C6673	R. CARBON 1.0K 5% 1/4W
R5O5	401K5673	R. CARBON 1.0K 5% 1/6W
△R5O6	40175137	R. CARBOX 33H 5% 1/4W
△R5O7	40801004	R. FUSE 1.0H 500MA
R5O8A	403F2145	R. METAL 68H 5% 2W
R5O8B	403F1137	R. METAL 33H 5% 1W
R5O9	401C6657	R. CARBON 220H 5% 1/4W
R510	40216266	R. WIRE 2.4H 5% 7W
R511	40372107	R. METAL 1.8H 5% 2W
△R512	401C6651	R. CARBON 120H 5% 1/4W
R513	401C6657	R. CARBON 220H 5% 1/4W
R514	401K5649	R. CARBON 100H 5% 1/6W
R515	401K5649	R. CARBON 100H 5% 1/6W
R516	401K5649	R. CARBON 100H 5% 1/6W
△R518	401G6101	R. CARBON 1.0H 5% 1/4W
△R519	401G6101	R. CARBON 1.0H 5% 1/4W
R520	401G6167	R. CARBON 560H 5% 1/2W
△R521	401G6143	R. CARBON 56H 5% 1/4W
R522	401C6657	R. CARBON 220H 5% 1/4W
R523	401C6697	R. CARBON 10K 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R580	401K5625	R. CARBON 10H 5% 1/6W
R581	401K5625	R. CARBON 10H 5% 1/6W
R582	401K5625	R. CARBON 10H 5% 1/6W
R583	401K5619	R. CARBON 5.6H 5% 1/6W
R591	401K5697	R. CARBON 10K 5% 1/6W
R592	401K5713	R. CARBON 47K 5% 1/6W
R593	401K5697	R. CARBON 10K 5% 1/6W
R594	401K5691	R. CARBON 5.6K 5% 1/6W
R595	401K5721	R. CARBON 100K 5% 1/6W
R701B	404K2646	R. METAL 75H 1% 1/4W
R701G	404K2646	R. METAL 75H 1% 1/4W
R701R	404K2646	R. METAL 75H 1% 1/4W
R702B	401K5695	R. CARBON 8.2K 5% 1/6W
R702G	401K5695	R. CARBON 8.2K 5% 1/6W
R702R	401K5695	R. CARBON 8.2K 5% 1/6W
R703B	401K5697	R. CARBON 10K 5% 1/6W
R703G	401K5697	R. CARBON 10K 5% 1/6W
R703R	401K5697	R. CARBON 10K 5% 1/6W
R704B	401K5659	R. CARBON 270H 5% 1/6W
R704G	401K5659	R. CARBON 270H 5% 1/6W
R704R	401K5659	R. CARBON 270H 5% 1/6W
R705B	401K5667	R. CARBON 560H 5% 1/6W
R705G	401K5667	R. CARBON 560H 5% 1/6W
R705R	401K5667	R. CARBON 560H 5% 1/6W
R706B	401K5673	R. CARBON 1.0K 5% 1/6W
R706G	401K5673	R. CARBON 1.0K 5% 1/6W
R706R	401K5673	R. CARBON 1.0K 5% 1/6W
R710B	401K5653	R. CARBON 150H 5% 1/6W
R710G	401K5653	R. CARBON 150H 5% 1/6W
R710R	401K5653	R. CARBON 150H 5% 1/6W
R711B	401K5669	R. CARBON 680H 5% 1/6W
R711G	401K5669	R. CARBON 680H 5% 1/6W
R711R	401K5669	R. CARBON 680H 5% 1/6W
R712B	401K5649	R. CARBON 100H 5% 1/6W
R712G	401K5649	R. CARBON 100H 5% 1/6W
R712R	401K5649	R. CARBON 100H 5% 1/6W
R713B	401K5705	R. CARBON 22K 5% 1/6W
R713G	401K5705	R. CARBON 22K 5% 1/6W
R713R	401K5705	R. CARBON 22K 5% 1/6W
R716	401K5695	R. CARBON 8.2K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R717	401K5697	R.CARBON 10K 5% 1/6W
R718	401K5649	R.CARBON 100H 5% 1/6W
R720B	401K5687	R.CARBON 3.9K 5% 1/6W
R720G	401K5687	R.CARBON 3.9K 5% 1/6W
R720R	401K5687	R.CARBON 3.9K 5% 1/6W
R721	404C1700	R.METAL 13K 1% 1/6W
R722	404C1709	R.METAL 33K 1% 1/6W
R723	404C1682	R.METAL 2.4K 1% 1/6W
R724	404C1663	R.METAL 390H 1% 1/6W
R726B	401K5669	R.CARBON 680H 5% 1/6W
R726G	401K5669	R.CARBON 680H 5% 1/6W
R726R	401K5669	R.CARBON 680H 5% 1/6W
R727	401K5699	R.CARBON 12K 5% 1/6W
R728	401K5691	R.CARBON 5.6K 5% 1/6W
R729	401K5689	R.CARBON 4.7K 5% 1/6W
R730	401K5689	R.CARBON 4.7K 5% 1/6W
R731B	401J9820	R.CARBON 0.0H
R731R	401J9820	R.CARBON 0.0H
R733	401K5649	R.CARBON 100H 5% 1/6W
R750B	401K5657	R.CARBON 220H 5% 1/6W
R750G	401K5657	R.CARBON 220H 5% 1/6W
R750R	401K5657	R.CARBON 220H 5% 1/6W
R751B	401K5655	R.CARBON 180H 5% 1/6W
R751G	401K5655	R.CARBON 180H 5% 1/6W
R751R	401K5655	R.CARBON 180H 5% 1/6W
R760B	401K5655	R.CARBON 180H 5% 1/6W
R760G	401K5655	R.CARBON 180H 5% 1/6W
R760R	401K5655	R.CARBON 180H 5% 1/6W
R761B	401C6635	R.CARBON 27H 5% 1/4W
R761G	401C6635	R.CARBON 27H 5% 1/4W
R761R	401C6635	R.CARBON 27H 5% 1/4W
R762	401K5667	R.CARBON 560H 5% 1/6W
R770	401K5673	R.CARBON 1.0K 5% 1/6W
R771	401K5673	R.CARBON 1.0K 5% 1/6W
R772	401K5679	R.CARBON 1.8K 5% 1/6W
R774B	401K5663	R.CARBON 390H 5% 1/6W
R774G	401K5663	R.CARBON 390H 5% 1/6W
R774R	401K5663	R.CARBON 390H 5% 1/6W
R775B	401K5673	R.CARBON 1.0K 5% 1/6W
R775G	401K5673	R.CARBON 1.0K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R8B6	401K5691	R.CARBON 5.6K 5% 1/6W
R8B7	401K5697	R.CARBON 10K 5% 1/6W
R8B8	401K5721	R.CARBON 100K 5% 1/6W
R8C0	401K5673	R.CARBON 1.0K 5% 1/6W
R8C1	404C1661	R.METAL 330H 1% 1/6W
R8C2	404C1663	R.METAL 390H 1% 1/6W
R8C3	401K5697	R.CARBON 10K 5% 1/6W
R8D0	401K5713	R.CARBON 47K 5% 1/6W
R8E0	401K5679	R.CARBON 1.8K 5% 1/6W
△R8E1	404K5125	R.METAL 10H 5% 1/4W
R801	401K5711	R.CARBON 39K 5% 1/6W
R802	401K5707	R.CARBON 27K 5% 1/6W
R803	401K5679	R.CARBON 1.8K 5% 1/6W
R804	404C1705	R.METAL 22K 1% 1/6W
R805	401K5711	R.CARBON 39K 5% 1/6W
R806	401K5707	R.CARBON 27K 5% 1/6W
R807	401K5679	R.CARBON 1.8K 5% 1/6W
R808	401K5705	R.CARBON 22K 5% 1/6W
R809	401K5707	R.CARBON 27K 5% 1/6W
R810	401K5673	R.CARBON 1.0K 5% 1/6W
R811	401K5673	R.CARBON 1.0K 5% 1/6W
R812	401K5683	R.CARBON 2.7K 5% 1/6W
R813	401K5697	R.CARBON 10K 5% 1/6W
R814	401K5691	R.CARBON 5.6K 5% 1/6W
R815	401K5721	R.CARBON 100K 5% 1/6W
R816	401K5673	R.CARBON 1.0K 5% 1/6W
R817	401K5717	R.CARBON 68K 5% 1/6W
R819	401K5717	R.CARBON 68K 5% 1/6W
R821	401K5653	R.CARBON 150H 5% 1/6W
R822	401K5667	R.CARBON 560H 5% 1/6W
R823	401K5667	R.CARBON 560H 5% 1/6W
R825	401K5667	R.CARBON 560H 5% 1/6W
R826	401K5673	R.CARBON 1.0K 5% 1/6W
R827	401K5673	R.CARBON 1.0K 5% 1/6W
R830	401K5705	R.CARBON 22K 5% 1/6W
R840	401K5625	R.CARBON 10H 5% 1/6W
R841	401K5559	R.CARBON 270H 5% 1/6W
R841	401K5703	R.CARBON 18K 5% 1/6W
R842	401K5661	R.CARBON 330H 5% 1/6W
R842	401K5671	R.CARBON 820H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R775R	401K5673	R.CARBON 1.0K 5% 1/6W
R776	401K5653	R.CARBON 150H 5% 1/6W
R780B	401K5731	R.CARBON 270K 5% 1/6W
R780G	401K5731	R.CARBON 270K 5% 1/6W
R780R	401K5731	R.CARBON 270K 5% 1/6W
R781B	401K5729	R.CARBON 220K 5% 1/6W
R781G	401K5729	R.CARBON 220K 5% 1/6W
R781R	401K5729	R.CARBON 220K 5% 1/6W
R782B	401K5723	R.CARBON 120K 5% 1/6W
R782G	401K5723	R.CARBON 120K 5% 1/6W
R782R	401K5723	R.CARBON 120K 5% 1/6W
R783B	401K5709	R.CARBON 33K 5% 1/6W
R783G	401K5709	R.CARBON 33K 5% 1/6W
R783R	401K5709	R.CARBON 33K 5% 1/6W
R784B	401K5701	R.CARBON 15K 5% 1/6W
R784G	401K5701	R.CARBON 15K 5% 1/6W
R784R	401K5701	R.CARBON 15K 5% 1/6W
R785B	401K5703	R.CARBON 18K 5% 1/6W
R785G	401K5703	R.CARBON 18K 5% 1/6W
R785R	401K5703	R.CARBON 18K 5% 1/6W
R786	401K5749	R.CARBON 1.5W 5% 1/6W
R787	401K5673	R.CARBON 1.0K 5% 1/6W
R789	401K5753	R.CARBON 2.2W 5% 1/6W
R790	401K5689	R.CARBON 4.7K 5% 1/6W
R791	401K5697	R.CARBON 10K 5% 1/6W
R792	401K5685	R.CARBON 3.3K 5% 1/6W
R8A0	404C1708	R.METAL 30K 1% 1/6W
R8A1	404C1697	R.METAL 10K 1% 1/6W
R8A3	401K5697	R.CARBON 10K 5% 1/6W
R8A4	401K5665	R.CARBON 470H 5% 1/6W
R8A5	401K5685	R.CARBON 3.3K 5% 1/6W
R8A6	401K5681	R.CARBON 2.2K 5% 1/6W
R8A8	401K5691	R.CARBON 5.6K 5% 1/6W
R8A9	401K5657	R.CARBON 220H 5% 1/6W
R8B0	401K5689	R.CARBON 4.7K 5% 1/6W
R8B1	401K5689	R.CARBON 4.7K 5% 1/6W
R8B2	401K5689	R.CARBON 4.7K 5% 1/6W
R8B3	401K5691	R.CARBON 5.6K 5% 1/6W
R8B4	401K5691	R.CARBON 5.6K 5% 1/6W
R8B5	401K5691	R.CARBON 5.6K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R843	401K5739	R.CARBON 560K 5% 1/6W
R844	401K5739	R.CARBON 560K 5% 1/6W
R845	401K5739	R.CARBON 560K 5% 1/6W
R846	401K5739	R.CARBON 560K 5% 1/6W
R856	401K5697	R.CARBON 10K 5% 1/6W
R857	401K5713	R.CARBON 47K 5% 1/6W
R859	401K5691	R.CARBON 5.6K 5% 1/6W
R860	401K5691	R.CARBON 5.6K 5% 1/6W
R861	401K5691	R.CARBON 5.6K 5% 1/6W
R865	401K5691	R.CARBON 5.6K 5% 1/6W
R866	401K5691	R.CARBON 5.6K 5% 1/6W
R867	401K5691	R.CARBON 5.6K 5% 1/6W
R868	401K5691	R.CARBON 5.6K 5% 1/6W
R869	401K5691	R.CARBON 5.6K 5% 1/6W
R870	401K5691	R.CARBON 5.6K 5% 1/6W
R871	401K5691	R.CARBON 5.6K 5% 1/6W
R872	401K5691	R.CARBON 5.6K 5% 1/6W
R873	401K5691	R.CARBON 5.6K 5% 1/6W
R874	401K5691	R.CARBON 5.6K 5% 1/6W
R875	401K5691	R.CARBON 5.6K 5% 1/6W
R887	401K5713	R.CARBON 47K 5% 1/6W
R888	401K5673	R.CARBON 1.0K 5% 1/6W
R889	401K5673	R.CARBON 1.0K 5% 1/6W
R890	404C1677	R.METAL 1.5K 1% 1/6W
R891	404C1679	R.METAL 1.8K 1% 1/6W
R892	401K5653	R.CARBON 150H 5% 1/6W
R893	404C1659	R.METAL 270H 1% 1/6W
R894	401K5673	R.CARBON 1.0K 5% 1/6W
R895	404C1659	R.METAL 270H 1% 1/6W
R896	404C1660	R.METAL 300H 1% 1/6W
R897	404C1662	R.METAL 360H 1% 1/6W
R898	40431645	R.METAL 68H 1% 1/6W
R899	401K5673	R.CARBON 1.0K 5% 1/6W
R904	401H5637	R.CARBON 33H 5% 1/2W
R905	401H5637	R.CARBON 33H 5% 1/2W
R906	401H5637	R.CARBON 33H 5% 1/2W
R907	401H5633	R.CARBON 22H 5% 1/6W
R908	401H5649	R.CARBON 100H 5% 1/2W
R909	401C6689	R.CARBON 4.7K 5% 1/4W
ZD564	401J9820	R.CARBON 0.0H

SYMBOL	PARTS NO	DESCRIPTION
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ZD565	401J9820	R.CARBON 0.0H
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\*\*\* CAPACITORS \*\*\*

C101	421C3479	C.CERAMIC 50V 0.1UF
C2003	430B6065	C.ELEC 50V 10UF
C2004	430B6065	C.ELEC 50V 10UF
C2005	421C0225	C.CERAMIC 50V 0.01UF
C4A1	427F4613	C.FILM 50V 0.01UF
C4A2	427F4614	C.FILM 50V 0.012UF
C4A3	421C3479	C.CERAMIC 50V 0.1UF
C4A4	427F4625	C.FILM 50V 0.1UF
C4A5	421C3479	C.CERAMIC 50V 0.1UF
C4A6	421C3479	C.CERAMIC 50V 0.1UF
C4A7	428B3025	C.METAL FILM 50V 1.0UF
C4A8	421C3479	C.CERAMIC 50V 0.1UF
C4A9	421C3479	C.CERAMIC 50V 0.1UF
C4C0	430B9016	C.ELEC 10V 100UF
C4C1	421C3479	C.CERAMIC 50V 0.1UF
C4C2	430C0065	C.ELEC 35V 10UF
C4C3	430C0065	C.ELEC 35V 10UF
C4C4	421C3479	C.CERAMIC 50V 0.1UF
C4C5	430B6068	C.ELEC 50V 47UF
C4C6	421C3479	C.CERAMIC 50V 0.1UF
C4C7	430B8155	C.ELEC 25V 47UF
C4C8	421C3479	C.CERAMIC 50V 0.1UF
C4C9	430B8155	C.ELEC 25V 47UF
C4E0	421C3479	C.CERAMIC 50V 0.1UF
C4E2	421C3479	C.CERAMIC 50V 0.1UF
C4E4	421C3479	C.CERAMIC 50V 0.1UF
C4E5	421C0213	C.CERAMIC 50V 1000PF
C401	430B9030	C.ELEC 16V 220UF
C402	428B3025	C.METAL FILM 50V 1.0UF
C403	430B9054	C.ELEC 35V 100UF
C404	430B9055	C.ELEC 35V 220UF
C405	423A2023	C.CERAMIC 50V 12PF
C406	428B3017	C.METAL FILM 50V 0.22UF
C407	430B9061	C.ELEC 35V 2200UF
C408	428B3024	C.METAL FILM 50V 0.82UF
C410	430B9054	C.ELEC 35V 100UF

SYMBOL	PARTS NO	DESCRIPTION
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C5F1	430B6029	C.ELEC 16V 100UF
C5F2	423A2028	C.CERAMIC 50V 20PF
C5F3	427F4601	C.FILM 50V 1000PF
C5F4	421C0225	C.CERAMIC 50V 0.01UF
C5F5	423A2029	C.CERAMIC 50V 22PF
C5F6	42106013	C.CERAMIC 50V 0.1UF
C5F7	423A2041	C.CERAMIC 50V 68PF
C5F8	421C3479	C.CERAMIC 50V 0.1UF
C5F9	430C0045	C.ELEC 16V 22UF
C5H0	430B6017	C.ELEC 10V 220UF
C5H1	421C2862	C.CERAMIC 25V 0.01UF
C5H2	430B8165	C.ELEC 35V 47UF
C5H3	421A0425	C.CERAMIC 50V 0.01UF
C5H4	421C3479	C.CERAMIC 50V 0.1UF
C5H5	421C3479	C.CERAMIC 50V 0.1UF
C5H6	430B6068	C.ELEC 50V 47UF
C5H7	421C3479	C.CERAMIC 50V 0.1UF
C5H8	430B6041	C.ELEC 25V 47UF
C5H9	421C3479	C.CERAMIC 50V 0.1UF
C5J1	421C3479	C.CERAMIC 50V 0.1UF
C5J3	421C3479	C.CERAMIC 50V 0.1UF
C5K0	421C3479	C.CERAMIC 50V 0.1UF
CSK1	430C0043	C.ELEC 16V 10UF
C503	430C6344	C.ELEC 35V 1000UF
C504	420C9567	C.CERAMIC 500V 2200PF
C505	42817011	C.METAL FILM 1.4KV 2700PF
C506	42817091	C.METAL FILM 1.4KV 2900PF
C507	42839710	C.METAL 400V 0.39UF
C508	42839303	C.FILM 400V 0.15UF
C509	42839307	C.FILM 400V 0.27UF
C510	42899042	C.METAL FILM 400V 0.64UF
C511	420C9569	C.CERAMIC 50V 3300PF
C512	420C9563	C.CERAMIC 500V 1000PF
C513	421C2862	C.CERAMIC 25V 0.01UF
C514	421C2862	C.CERAMIC 25V 0.01UF
C515	421C2862	C.CERAMIC 25V 0.01UF
C516	430B6017	C.ELEC 10V 220UF
C517	430B6017	C.ELEC 10V 220UF
C518	423A2039	C.CERAMIC 50V 56PF
C519	430B9053	C.ELEC 35V 47UF

SYMBOL	PARTS NO	DESCRIPTION
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C411	427F4666	C.FILM 50V 0.018UF
C421	428B3023	C.METAL FILM 50V 0.68UF
C422	428B3017	C.METAL FILM 50V 0.22UF
C426	421C3479	C.CERAMIC 50V 0.1UF
C427	421C3479	C.CERAMIC 50V 0.1UF
C428	421C3479	C.CERAMIC 50V 0.1UF
C431	430C0045	C.ELEC 16V 22UF
C432	430C0052	C.ELEC 25V 4.7UF
CSA1	43518712	C.TANTALUM 35V 6.8UF
CSA2	427F4616	C.FILM 50V 0.018UF
CSA3	430C0077	C.ELEC 50V 1.0UF
CSA4	427F4607	C.FILM 50V 3300PF
CSA5	423J9017	C.CERAMIC 50V 270PF
CSA6	423J9017	C.CERAMIC 50V 270PF
CSA7	423A2029	C.CERAMIC 50V 22PF
CSA8	421C3479	C.CERAMIC 50V 0.1UF
CSA9	427F6999	C.FILM 50V 470PF
CSC0	421A0425	C.CERAMIC 50V 0.01UF
CSC3	423A2045	C.CERAMIC 50V 100PF
CSC5	421A0425	C.CERAMIC 50V 0.01UF
CSC7	427F8405	C.FILM 100V 2200PF
CSC8	421C3479	C.CERAMIC 50V 0.1UF
CS01	421C3479	C.CERAMIC 50V 0.1UF
CS02	430B6068	C.ELEC 50V 47UF
CS03	423A2037	C.CERAMIC 50V 47PF
CS04	427F4604	C.FILM 50V 1800PF
CS05	427F4601	C.FILM 50V 1000PF
CS06	430B9038	C.ELEC 25V 10UF
CS07	427F4601	C.FILM 50V 1000PF
CS08	421C3479	C.CERAMIC 50V 0.1UF
CS09	430B6017	C.ELEC 10V 220UF
CS09	427F4601	C.FILM 50V 1000PF
CSE1	433A4043	C.ELEC 35V 4.7UF
CSE2	430B9061	C.ELEC 50V 1.0UF
CSE3	427F4672	C.FILM 50V 0.056UF
CSE4	423A2103	C.CERAMIC 50V 180PF
CSE6	421C3479	C.CERAMIC 50V 0.1UF
CSE7	427F4609	C.FILM 50V 4700PF
CSE8	42106013	C.CERAMIC 50V 0.1UF
CSE9	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
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C520	428CJ022	C.METAL FILM 250V 0.1UF
C521	430J8102	C.ELEC 160V 3.3UF
C522	430J8103	C.ELEC 160V 10UF
C523	430B6512	C.ELEC 160V 1.0UF
C524	420C9571	C.CERAMIC 500V 4700PF
C526	4282C121	C.METAL FILM 50V 0.47UF
C527	428B3025	C.METAL FILM 50V 1.0UF
C528	427F8225	C.FILM 50V 1000PF
C529	427F4675	C.FILM 50V 0.1UF
C530	42807516	C.FILM 1.6KV 4300PF
C531	42807516	C.FILM 1.6KV 4300PF
C532	428CJ022	C.METAL FILM 250V 0.1UF
C533	430B9098	C.ELEC 100V 10 UF
C535	430J8104	C.ELEC 200V 10UF
C537	428CJ022	C.METAL FILM 250V 0.1UF
C539	430B9060	C.ELEC 250V 3.3UF
C540	430B9532	C.ELEC 200V 1.0UF
C541	430B9537	C.ELEC 200V 22UF
C542	421C3479	C.CERAMIC 50V 0.1UF
C545	423A1045	C.CERAMIC 50V 100PF
C548	421C3479	C.CERAMIC 50V 0.1UF
C551	430B9033	C.ELEC 16V 1000UF
C553	430B9053	C.ELEC 35V 47UF
C554	430B9042	C.ELEC 25V 100UF
C555	430B9054	C.ELEC 35V 100UF
C556	430C6347	C.ELEC 10V 1000UF
C557	430C6316	C.ELEC 10V 470UF
C558	430B9019	C.ELEC 25V 47UF
C559	430B9041	C.ELEC 25V 47UF
C561	430B9045	C.ELEC 25V 470UF
C562	430B9030	C.ELEC 16V 220UF
C563	421A0425	C.CERAMIC 50V 0.01UF
C564	430B6030	C.ELEC 16V 220UF
C565	42106013	C.CERAMIC 50V 0.1UF
C570	430B6016	C.ELEC 10V 100UF
C573	430B6046	C.ELEC 25V 1000UF
C591	430B6053	C.ELEC 35V 47UF
C592	430B6533	C.ELEC 200V 2.2UF
C593	428DD417	C.METAL FILM 250V 0.22UF
C701	421D6009	C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C702B	433A4013	C.ELEC 10V 47UF
C702G	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C703B	421A0425	C.CERAMIC 50V 0.01UF
C703G	421A0425	C.CERAMIC 50V 0.01UF
C703R	421A0425	C.CERAMIC 50V 0.01UF
C704B	430B8145	C.ELEC 16V 100UF
C704G	430B8145	C.ELEC 16V 100UF
C704R	430B8145	C.ELEC 16V 100UF
C705B	430C0065	C.ELEC 35V 10UF
C705G	430C0065	C.ELEC 35V 10UF
C705R	430C0065	C.ELEC 35V 10UF
C706B	430C0065	C.ELEC 35V 10UF
C706G	430C0065	C.ELEC 35V 10UF
C706R	430C0065	C.ELEC 35V 10UF
C707B	430B6042	C.ELEC 25V 100UF
C707G	430B6042	C.ELEC 25V 100UF
C707R	430B6042	C.ELEC 25V 100UF
C708B	430C0065	C.ELEC 35V 10UF
C708G	430C0065	C.ELEC 35V 10UF
C708R	430C0065	C.ELEC 35V 10UF
C709B	421D6009	C.CERAMIC 25V 0.1UF
C709G	421D6009	C.CERAMIC 25V 0.1UF
C709R	421D6009	C.CERAMIC 25V 0.1UF
C710	421D6009	C.CERAMIC 25V 0.1UF
C712	430B9028	C.ELEC 16V 47UF
C713	421D6009	C.CERAMIC 25V 0.1UF
C720B	433A7013	C.ELEC 16V 47UF
C720G	433A7013	C.ELEC 16V 47UF
C720R	433A7013	C.ELEC 16V 47UF
C721B	421C0213	C.CERAMIC 50V 1000PF
C721G	421C0213	C.CERAMIC 50V 1000PF
C721R	421C0213	C.CERAMIC 50V 1000PF
C724B	430B9028	C.ELEC 16V 47UF
C724G	430B9028	C.ELEC 16V 47UF
C724R	430B9028	C.ELEC 16V 47UF
C725B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C725R	421C0225	C.CERAMIC 50V 0.01UF
C726B	421C0225	C.CERAMIC 50V 0.01UF

SYMBOL	PARTS NO	DESCRIPTION
C8A5	421C3479	C.CERAMIC 50V 0.1UF
C8A6	421C3479	C.CERAMIC 50V 0.1UF
C8A7	430B8152	C.ELEC 25V 10UF
C8C1	430B6065	C.ELEC 50V 10UF
C8C3	421D6009	C.CERAMIC 25V 0.1UF
C8C4	430B6031	C.ELEC 16V 330UF
C8C5	430B6041	C.ELEC 25V 47UF
C802	433A4023	C.ELEC 16V 22UF
C803	433A4023	C.ELEC 16V 22UF
C804	421D6009	C.CERAMIC 25V 0.1UF
C805	423A2101	C.CERAMIC 50V 120PF
C806	421D6009	C.CERAMIC 25V 0.1UF
C807	430B6042	C.ELEC 25V 100UF
C808	427F4601	C.FILM 50V 1000PF
C809	427F4601	C.FILM 50V 1000PF
C810	427F4609	C.FILM 50V 4700PF
C811	433A4056	C.ELEC 50V 2.2UF
C812	430B6062	C.ELEC 50V 2.2UF
C813	430A4104	C.ELEC 50V 0.68UF
C814	433A4058	C.ELEC 50V 4.7UF
C815	430B6065	C.ELEC 50V 10UF
C816	430B6064	C.ELEC 50V 4.7UF
C817	430B6064	C.ELEC 50V 4.7UF
C818	430B6061	C.ELEC 50V 1.0UF
C819	423A2104	C.CERAMIC 50V 220PF
C840	421C3479	C.CERAMIC 50V 0.1UF
C841	421C3479	C.CERAMIC 50V 0.1UF
C842	421C3479	C.CERAMIC 50V 0.1UF
C855	430B6065	C.ELEC 50V 10UF
C856	423A2015	C.CERAMIC 50V 10PF
C857	423F0013	C.CERAMIC 50V 10PF
C874A	430B8145	C.ELEC 16V 100UF
C874B	421C3479	C.CERAMIC 50V 0.1UF
C880	421C3479	C.CERAMIC 50V 0.1UF
C887	421C3479	C.CERAMIC 50V 0.1UF
C888	421C3479	C.CERAMIC 50V 0.1UF
C889	421C3479	C.CERAMIC 50V 0.1UF
C890	421C3479	C.CERAMIC 50V 0.1UF
C892	421C3479	C.CERAMIC 50V 0.1UF
C893	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C726G	421C0225	C.CERAMIC 50V 0.01UF
C726R	421C0225	C.CERAMIC 50V 0.01UF
C727	421J9005	C.CERAMIC 25V 0.01UF
C729B	430B9062	C.ELEC 50V 2.2UF
C729G	430B9062	C.ELEC 50V 2.2UF
C729R	430B9062	C.ELEC 50V 2.2UF
C731	421C0225	C.CERAMIC 50V 0.01UF
C732	421C0225	C.CERAMIC 50V 0.01UF
C733	433A7021	C.ELEC 25V 10UF
C750B	421C0225	C.CERAMIC 50V 0.01UF
C750G	421C0225	C.CERAMIC 50V 0.01UF
C750R	421C0225	C.CERAMIC 50V 0.01UF
C751	421C0225	C.CERAMIC 50V 0.01UF
C752	430B9029	C.ELEC 16V 100UF
C760	421D6009	C.CERAMIC 25V 0.1UF
C761	430B9029	C.ELEC 16V 100UF
C762	430B9516	C.ELEC 160V 10UF
C763	420C9569	C.CERAMIC 50V 3300PF
C764B	423A2043	C.CERAMIC 50V 82PF
C764G	423A2043	C.CERAMIC 50V 82PF
C764R	423A2043	C.CERAMIC 50V 82PF
C781B	42840097	C.FILM 250V 0.22UF
C781G	42840097	C.FILM 250V 0.22UF
C781R	42840097	C.FILM 250V 0.22UF
C782B	430B9512	C.ELEC 160V 1.0UF
C782G	430B9512	C.ELEC 160V 1.0UF
C782R	430B9512	C.ELEC 160V 1.0UF
C783B	420C9563	C.CERAMIC 500V 1000PF
C783G	420C9563	C.CERAMIC 500V 1000PF
C783R	420C9563	C.CERAMIC 500V 1000PF
C786	430B9556	C.ELEC 250V 10UF
C787	420C9565	C.CERAMIC 500V 1500PF
C789	427E4163	C.FILM 100V 0.01UF
C792	430B9029	C.ELEC 16V 100UF
C793	430B9032	C.ELEC 16V 470UF
C794B	421C0221	C.CERAMIC 50V 4700PF
C794G	421C0221	C.CERAMIC 50V 4700PF
C8A0	430B9016	C.ELEC 10V 100UF
C8A3	421C3479	C.CERAMIC 50V 0.1UF
C8A4	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C899	430B6041	C.ELEC 25V 47UF
C901	420C9551	C.CERAMIC 500V 100PF
C902	420C9563	C.CERAMIC 500V 1000PF
C903	420DK108	C.CERAMIC 2KV 10000PF

# REPLACEMENT PARTS LIST

The components specified for Model JC-1531VMA-2(T)

**Note:** The components identified by  $\Delta$  make are critical for safety.

Replace only with parts Number specified.

SYMBOL	PARTS NO	DESCRIPTION
*** CRT & TUNER ***		
$\Delta$ CRT	33015542	CRT M36KUT23XX21 (FD1E8)
*** ICS ***		
IC4A1	37056963	IC UPC5203CU-025
IC4A2	37056877	IC NJM4200D (MULTIPLIER)
IC4A3	37056877	IC NJM4200D (MULTIPLIER)
IC4A4	37051035	MOS UPD4068BC
IC4A5	37011205	IC XRA10358 (OP-AMP)
IC4A6	37053133	MOS TC74HC123P
IC401	37006015	IC LA7838 (V OUT)
$\Delta$ IC5A1	37056217	IC LA7850
IC5A2	37056962	IC UPC5202CU-017
IC5A3	37011262	IC XRA10393 (COMP)
IC5A4	37011262	IC XRA10393 (COMP)
IC5A5	37056961	IC UPC5202CU-014
IC5A6	37011262	IC XRA10393 (COMP)
IC501	37053337	MOS XRU4538B (MULTIPLIER)
IC551	37005210	IC UPC24M18HF (REG)
IC552	37005193	IC PO12RF11 (REG)
IC553	37005182	IC LM7812C (REG)
IC701	37056814	IC M52035P
IC702	37056923	IC M52307P
IC703	37056872	IC VPS08N
IC704	37011210	IC XRA10324 (Q OP-AMP)
IC801	37056867	IC M52036SP
$\Delta$ IC851	37056973	MOS UPD78C12AGQ-A89-36
IC852	37056813	IC M62359P
IC853	37056812	IC M62362P
IC854	37056812	IC M62362P
IC855	37055401	MOS XRM93C56B-E
IC856	371E1514	IC PST529D-2(T) (VOLTAGE D)
IC858	37011206	IC XRA10358 (OP-AMP)
IC859	37056917	IC XRA10324A (Q OP-AMP)
IC864	37903232	IC LM2940CT-5.0

SYMBOL	PARTS NO	DESCRIPTION
Q551	350E3218	TR 2SC1740S-T R
Q552	35122100	TR 2SK703
Q553	350K5718	TR 2SA933S-T R
Q554	35026216	TR 2SB772 P
Q591	350K4518	TR 2SA933-T R
Q592	35056311	TR 2SC2688 K
Q701B	350J3016	TR 2SC2926S-T P
Q701G	350J3016	TR 2SC2926S-T P
Q701R	350J3016	TR 2SC2926S-T P
Q704	351G0601	TR DTC114ES-T
Q705	350E3218	TR 2SC1740S-T R
Q721	350E3218	TR 2SC1740S-T R
Q722	350K4518	TR 2SA933-T R
Q750B	350J4604	TR 2SC3776-AA D
Q750G	350J4604	TR 2SC3776-AA D
Q750R	350J4604	TR 2SC3776-AA D
Q770	350E3218	TR 2SC1740S-T R
Q771	350E3218	TR 2SC1740S-T R
Q772	350K4518	TR 2SA933-T R
Q780B	350K5217	TR 2SA1018-TA Q
Q780G	350K5217	TR 2SA1018-TA Q
Q780R	350K5217	TR 2SA1018-TA Q
Q781B	350H4417	TR 2SC1473-TA Q
Q781G	350H4417	TR 2SC1473-TA Q
Q781R	350H4417	TR 2SC1473-TA Q
Q801	350K4518	TR 2SA933-T R
Q802	350K4518	TR 2SA933-T R
Q803	351G0652	TR DTC113ZS-T
Q804	351G0602	TR DTC144ES-T
Q805	351G0601	TR DTC114ES-T
Q806	351G0601	TR DTC114ES-T
Q851	351G0656	TR DTC14XS-T
Q852	350E3218	TR 2SC1740S-T R
Q853	35069805	TR 2SD1763 E

SYMBOL	PARTS NO	DESCRIPTION
*** TRANSISTORS ***		
Q4A1	350E3218	TR 2SC1740S-T R
Q4A2	351G0602	TR DTC144ES-T
Q4A3	350E3218	TR 2SC1740S-T R
Q4A4	351G0601	TR DTC114ES-T
Q401	350J2717	TR 2SC3377-T Q
Q402	359K7618	TR 2SA1515 R
Q404	351G0602	TR DTC144ES-T
Q406	351G0602	TR DTC144ES-T
Q431	350E3218	TR 2SC1740S-T R
Q432	350E3218	TR 2SC1740S-T R
Q5A1	350E3218	TR 2SC1740S-T R
Q5A2	350K5717	TR 2SA933S-T Q
Q5A3	350H5017	TR 2SC3811-TA Q
Q5A5	350E3218	TR 2SC1740S-T R
Q5A6	351G0601	TR DTC114ES-T
Q5F1	350K5717	TR 2SA933S-T Q
Q5H1	350H5018	TR 2SC3811-TA R
Q501	350E3218	TR 2SC1740S-T R
Q502	350K4519	TR 2SA933-T S
Q503	35122700	TR 2SK699
$\Delta$ Q504	35031112	TR 2SB1096 L
Q505	35070100	TR HPA100
Q506	35122500	TR 2SK758
Q507	35122500	TR 2SK758
Q508	35127300	TR 2SK947-M
Q509	351G0656	TR DTC14XS-T
Q510	35125400	TR 1RF9610
Q511	350C1218	TR 2SB1329-T105 R
Q512	350G1018	TR 2SD2005-T105 R
Q513	350E4311	TR 2SC2001-T K
$\Delta$ Q514	350K4412	TR 2SA952 L,AT
Q515	35125500	TR 1RF9640
Q517	35125400	TR 1RF9610
Q518	350E3218	TR 2SC1740S-T R
Q519	350K5718	TR 2SA933S-T R
Q520	350E3218	TR 2SC1740S-T R
Q521	350K5718	TR 2SA933S-T R
Q522	350H5017	TR 2SC3811-TA Q

SYMBOL	PARTS NO	DESCRIPTION
*** DIODES ***		
D101	360K1027	DIODE 1SS132
D102	360K1027	DIODE 1SS132
D103	360K1027	DIODE 1SS132
D104	360K1027	DIODE 1SS132
D105	360K1027	DIODE 1SS132
D106	360K1027	DIODE 1SS132
D107	360K1027	DIODE 1SS132
D108	360K1027	DIODE 1SS132
D109	360K1027	DIODE 1SS132
D110	360K1027	DIODE 1SS132
D111	360K1027	DIODE 1SS132
D112	360K1027	DIODE 1SS132
D113	360K1027	DIODE 1SS132
D114	360K1027	DIODE 1SS132
D115	360K1027	DIODE 1SS132
D116	360K1027	DIODE 1SS132
D118	36801342	LED GL3EG8
D119	36801331	LED SLR-54MT3F/PQ
D120	36801331	LED SLR-54MT3F/PQ
$\Delta$ D2004	361K7562	DIODE EGP10G G23
$\Delta$ D2005	361K7562	DIODE EGP10G G23
D401	361K7160	DIODE TVR06G G23
D402	360K1027	DIODE 1SS132
D403	360K1027	DIODE 1SS132
D5A1	360K1027	DIODE 1SS132
D5A2	360K1027	DIODE 1SS132
D5A3	360K1027	DIODE 1SS132
D5A4	360K1027	DIODE 1SS132
D5A5	360K1027	DIODE 1SS132
D5A6	360K1027	DIODE 1SS132
D5A7	360K1027	DIODE 1SS132
D5A8	360K1027	DIODE 1SS132
D5A9	360K1027	DIODE 1SS132
D5C1	369K2136	DIODE RGP10G,AT
D5E1	380K5054	VARIATOR MA29W-A (TP)
D5E2	380K5054	VARIATOR MA29W-A (TP)
D501	36107293	DIODE RK14
D503	36107560	DIODE RG2A2

SYMBOL	PARTS NO	DESCRIPTION
△D504	36107560	DIODE RG2A2
△D505	360K1027	DIODE 1SS132
△D506	360K1027	DIODE 1SS132
D507	360K1027	DIODE 1SS132
D508	36107507	DIODE RG4
D509	361K7160	DIODE TVR06G G23
D510	361K7562	DIODE EGP10G G23
D511	361K7562	DIODE EGP10G G23
D512	361K7562	DIODE EGP10G G23
D513	361K7562	DIODE EGP10G G23
D514	361K7160	DIODE TVR06G G23
D517	360K1027	DIODE 1SS132
D518	36107507	DIODE RG4
D519	361K7160	DIODE TVR06G G23
D521	361K7550	DIODE 1SR35-400A
D522	360K1027	DIODE 1SS132
D523	360K1027	DIODE 1SS132
D551	361K7630	DIODE EU 2YX V1
D552	361K7160	DIODE TVR06G G23
D553	361K7562	DIODE EGP10G G23
D555	360K1027	DIODE 1SS132
D556	360K1027	DIODE 1SS132
D557	361K7562	DIODE EGP10G G23
D558	361K7562	DIODE EGP10G G23
D571	360K1027	DIODE 1SS132
D591	360K1027	DIODE 1SS132
D592	360K1032	DIODE 1SS82-TA
D593	360K1032	DIODE 1SS82-TA
D701	360K1027	DIODE 1SS132
D702	360K1027	DIODE 1SS132
D703	360K1027	DIODE 1SS132
D704	360K1027	DIODE 1SS132
D705	360K1027	DIODE 1SS132
D706	360K1027	DIODE 1SS132
D707	360K1027	DIODE 1SS132
D708	360K1027	DIODE 1SS132
D709	360K1027	DIODE 1SS132
D710	360K1027	DIODE 1SS132
D711	360K1027	DIODE 1SS132

SYMBOL	PARTS NO	DESCRIPTION
D712	360K1027	DIODE 1SS132
D713	360K1027	DIODE 1SS132
D715B	360K1027	DIODE 1SS132
D715G	360K1027	DIODE 1SS132
D715R	360K1027	DIODE 1SS132
D720	360K1027	DIODE 1SS132
D721	360K5054	VARIATOR MA29W-A (TP)
D722	360K1027	DIODE 1SS132
D760B	360K1032	DIODE 1SS82-TA
D760G	360K1032	DIODE 1SS82-TA
D760R	360K1032	DIODE 1SS82-TA
D761B	360K1032	DIODE 1SS82-TA
D761G	360K1032	DIODE 1SS82-TA
D761R	360K1032	DIODE 1SS82-TA
D781B	360K1032	DIODE 1SS82-TA
D781G	360K1032	DIODE 1SS82-TA
D781R	360K1032	DIODE 1SS82-TA
D782	360K1037	DIODE 1SS83
D801	360K1027	DIODE 1SS132
D802	360K1027	DIODE 1SS132
D803	360K1027	DIODE 1SS132
ZD4A1	360A0039	DIODE MTZJ5.6B T-72
ZD4A2	360K3694	DIODE RD22ESB(1)/ESAB(1)
ZD401	360A0094	DIODE MTZJ20D
ZD402	360K3602	DIODE RD2.0ESB(1)-T4
ZD5A2	360A0035	DIODE MTZJ5.1B T-72
ZD5A3	360A0056	DIODE MTZJ8.2C T-72
ZD5A4	360A0054	DIODE MTZJ8.2A T-72
ZD5A5	360A0035	DIODE MTZJ5.1B T-72
ZD502	360K3143	DIODE RD8.2J5B(1)-T4
ZD503	360K3659	DIODE RD9.1ESB(2)-T4
ZD504	360K3834	DIODE MTZ11ABC T-72
ZD507	360K3660	DIODE RD9.1ESB(3)-T4
ZD510	360K3658	DIODE RD9.1ESB(1)-T4
ZD553	360K3134	DIODE RD15EB(2)-T4
ZD557	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD558	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD559	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD560	360K3624	DIODE RD3.9ESB(2)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD561	360K3624	DIODE RD3.9ESB(2)-T4
ZD562	360K3624	DIODE RD3.9ESB(2)-T4
ZD563	360K3635	DIODE RD5.1ESB(2)-T4
ZD564	360K3624	DIODE RD3.9ESB(2)-T4
ZD565	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD570	36003662	DIODE RD10ESB(1)
ZD760	360A0056	DIODE MTZJ8.2C T-72
ZD851	360K3634	DIODE RD5.1ESB(1)-T4
ZD852	360A0030	DIODE MTZJ4.7A T-72
ZD853	360A0038	DIODE MTZJ5.6A T-72
ZD854	360A0009	DIODE MTZJ2.4B T-72

\*\*\* TRANSFORMERS \*\*\*

L507	46206002	TRANS. CHOKE 8MH
T501	45804009	TRANS. H. DRIVE
△T502	47710014	TRANS. H. OUT
T503	47105673	F. B. T
T551	46304113	TRANS. CONVERTER

\*\*\* VARIABLE RESISTORS \*\*\*

VR101	41011121	R.VARIABLE B50K
VR102	41011121	R.VARIABLE B50K
VR401	41071359	R.VARIABLE B2.2K
VR402	41071363	R.VARIABLE B10K
VR403	41087010	R.VARIABLE 20K 0.2W
VR404	410G1167	R.VARIABLE B47K
VR431	410G1161	R.VARIABLE B4.7K
VR501	410G1163	R.VARIABLE B10K
VR502	41087006	R.VARIABLE B2K
VR503	41087005	R.VARIABLE B1K
VR505	415K5158	R.VARIABLE B10K
VR551	410T1360	R.VARIABLE B3.3K
VR552	41599203	R.VARIABLE B200H
VR701	410G2060	R.VARIABLE B20K
VR702	410G2060	R.VARIABLE B20K
VR703	410G2060	R.VARIABLE B20K
VR704	410G2061	R.VARIABLE B30
VR705	410G2061	R.VARIABLE B30
VR706	410G2061	R.VARIABLE B30
VR707	410G2062	R.VARIABLE B50K

SYMBOL	PARTS NO	DESCRIPTION
VR708	410G2062	R.VARIABLE B50K
VR709	410G2062	R.VARIABLE B50K
VR710	410G2064	R.VARIABLE B200K
VR851	41018255	R.VARIABLE B1K
VR852	41087005	R.VARIABLE B1K
VR854	410G1159	R.VARIABLE B2.2K

\*\*\* RELAYS & SWITCHES \*\*\*

△RL501	65660013	RELAY VE 24HME-K
RL502	65660028	RELAY SY-24W-K
SW	65360027	SWTCH. PUSH BUTTON
SW101	653F0033	SWTCH. PUSH BUTTON
SW102	653F0033	SWTCH. PUSH BUTTON
SW103	653F0033	SWTCH. PUSH BUTTON
SW104	653F0033	SWTCH. PUSH BUTTON
SW105	653F0033	SWTCH. PUSH BUTTON
SW106	653F0033	SWTCH. PUSH BUTTON
SW107	653F0033	SWTCH. PUSH BUTTON
SW108	653F0033	SWTCH. PUSH BUTTON
SW109	653F0033	SWTCH. PUSH BUTTON
SW110	653F0033	SWTCH. PUSH BUTTON
SW111	65161059	SWTCH. SLIDE 1-6L-3NS
SW112	65161048	SWTCH. SLIDE

\*\*\* COILS & FILTERS \*\*\*

DG	61315104	COIL. DEGAUSSING
FC701	39013039	C.NETWORK 25V 0.1UF
FC850	39013039	C.NETWORK 25V 0.1UF
FC851	39013041	C.NETWORK 25V 0.1UF
FC852	39013044	C.NETWORK 25V 0.1UF
FC853	39013041	C.NETWORK 25V 0.1UF
FL001	61062076	POWER LINE FILTER
FR850	390C0437	R.NETWORK 3K10K 5X 1/8W
FR851	390C0432	R.NETWORK 6K10K 5X 1/8W
FR852	390C0451	R.NETWORK 10K 5X 1/8W
LC701	390J9027	FILTER 2JSC-R12-100TA
LC702	390J9027	FILTER 2JSC-R12-100TA
LC703	390J9027	FILTER 2JSC-R12-100TA
LC760	616K6945	NOISE FILTER TH18103MA

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SYMBOL	PARTS NO	DESCRIPTION
LC781	616K6027	NOISE FILTER 2A222-TA
LC782	616K6966	NOISE FILTER
LC783	616K6028	NOISE FILTER 1H223X-TA
LC801	61608822	NOISE FILTER 50V 47UH
LC802	390J9015	FILTER ZJSC-2R2-101TA
LC803	390J9015	FILTER ZJSC-2R2-101TA
LC804	390J9015	FILTER ZJSC-2R2-101TA
LC805	390J9015	FILTER ZJSC-2R2-101TA
LC850	616K6718	NOISE FILTER 1000UH
LC901	616K6028	NOISE FILTER 1H223X-TA
LC902	616K6075	NOISE FILTER
L401	610F7025	COIL, FILTER 47UH
L5A1	610E1717	COIL, FILTER 10UH
L5A2	610E1717	COIL, FILTER 10UH
L5A3	610E1717	COIL, FILTER 10UH
L5A4	610E1717	COIL, FILTER 10UH
Δ L501	60919128	COIL, H. LIN
Δ L502	60919129	COIL, H. LIN
Δ L503	61070180	COIL, CHOKE 4MH
L504	61070235	FILTER CHOKE 4MH
L505	610F3025	COIL, FILTER 47UH
Δ L509	610F3025	COIL, FILTER 47UH
Δ L510	61070181	COIL, CHOKE PJ87-102K
L512	61070181	COIL, CHOKE PJ87-102K
L551	610F3025	COIL, FILTER 47UH
L552	610F3025	COIL, FILTER 47UH
L553	610F7018	COIL, FILTER 12UH
L701B	610E1726	COIL, FILTER 56UH
L701G	610E1726	COIL, FILTER 56UH
L701R	610E1726	COIL, FILTER 56UH
L720	610E1729	COIL, FILTER 100UH
L761	610E1711	COIL, FILTER 3.3UH
L801	610F7010	COIL, FILTER 2.7UH
L901	610F5804	COIL, FILTER 0.47UH
L902	610F5804	COIL, FILTER 0.47UH
L903	610F5804	COIL, FILTER 0.47UH

SYMBOL	PARTS NO	DESCRIPTION
*** PWB ASSYS ***		
	84M40C01	VIDEO PWB ASSY
	84M40E01	UNIT PWB ASSY
	84M43F01	MAIN PWB ASSY
	84N44L01	CONTROL PWB ASSY
*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***		
CABLE	70032056	CRT SOCKET
CORD	74004891	CAP
HS401	73893128	SIGNAL, CABLE (MD15P-11P)K
	70810757	LINE CORD 3P L=1.8
	31709202	SHEET, INSULATOR
HSS05	31709507	SHEET, INSULATOR HEAT SINK
HSS15	31709505	SHEET, INSULATOR
L506	49801010	INDUCTOR DUMMY
SG901	329J0047	ARRESTER (300V), AT52
SG902	329J0047	ARRESTER (300V), AT52
SG903	329J0047	ARRESTER (300V), AT52
SG904	329J0047	ARRESTER (300V), AT52
SG905	667K6007	SPARK GAP 1.5KV
Δ SW-PS	31102029	SW. REG. UNIT (SMP-120BB)
Δ UNIT2	79100031	UNIT 2 (HV PROTECTOR)
X1	64099072	CRYSTAL RESONATOR

*** APPEARANCE PARTS ***		
	25779892	NAME PLATE, INSTRUCTION (720N)
	25313822	CABINET BOTTOM
	25419001	REVOLVING STAND ASSY
	25317591	CABINET FRONT ASSY
	25313791	CABINET BACK ASSY
	25419021	REVOLVING SPINDLE
	25534631	COIL SPRING
	25757643	LABEL (REV.)

SYMBOL	PARTS NO	DESCRIPTION
*** KNOBS & PUSH BUTTONS ***		
	25454671	PUSH BUTTON (SW)
	25454681	KNOB CONTROL
	25454691	KNOB, SLIDE
*** PRINTED & PACKING MATERIALS ***		
	24813191	BAG, POLYETHYLENE (150*370)
	25607291	SLIDE SHEET
	25823181	FILLER (T) CARTON
	25823192	FILLER (B) CARTON
	25825501	SHEET, PROTECTION
	25828821	CARTON BOX (JC-1531VMA-2)
	78034408	MONITOR SALES OFFICE LIST
	78127512	INSTRUCTION BOOK

*** RESISTORS ***		
C790	401J9820	R, CARBON 0 OH
R101	401J9820	R, CARBON 0 OH
R105	401H5671	R, CARBON 820H 5% 1/2W
R106	401K5659	R, CARBON 270H 5% 1/6W
	401K5697	R, CARBON 10K 5% 1/6W
R4A0	404C1723	R, METAL 120K 1% 1/6W
R4A1	404C1704	R, METAL 20K 1% 1/6W
R4A2	404C1723	R, METAL 120K 1% 1/6W
R4A3	404C1704	R, METAL 20K 1% 1/6W
R4A5	404C1723	R, METAL 120K 1% 1/6W
R4A6	404C1723	R, METAL 120K 1% 1/6W
R4A7	404C1697	R, METAL 10K 1% 1/6W
R4A8	404C1733	R, METAL 330K 1% 1/6W
R4A9	404C1727	R, METAL 180K 1% 1/6W
R4C0	404C1727	R, METAL 180K 1% 1/6W
R4C1	404C1727	R, METAL 180K 1% 1/6W
R4C2	404C1727	R, METAL 180K 1% 1/6W
R4C3	404C1727	R, METAL 180K 1% 1/6W
R4C4	404C1727	R, METAL 180K 1% 1/6W
R4C5	404C1727	R, METAL 180K 1% 1/6W
R4C6	401K5731	R, CARBON 270K 5% 1/6W
R4C7	404C1727	R, METAL 180K 1% 1/6W
R4C8	401K5681	R, CARBON 2.2K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R4C9	401K5677	R, CARBON 1.5K 5% 1/6W
R400	401K5647	R, CARBON 82H 5% 1/6W
R4D1	404C1704	R, METAL 20K 1% 1/6W
R4D2	401K5721	R, CARBON 100K 5% 1/6W
R4D3	401K5625	R, CARBON 10H 5% 1/6W
R4D5	404C1713	R, METAL 47K 1% 1/6W
R4D6	404C1737	R, METAL 470K 1% 1/6W
R4D7	401K5705	R, CARBON 22K 5% 1/6W
R4D8	404C1728	R, METAL 200K 1% 1/6W
R4D9	401K5689	R, CARBON 4.7K 5% 1/6W
R4E0	401K5705	R, CARBON 22K 5% 1/6W
R4E1	401K5697	R, CARBON 10K 5% 1/6W
R4E2	401K5697	R, CARBON 10K 5% 1/6W
R4E3	401K5697	R, CARBON 10K 5% 1/6W
R4E4	401K5697	R, CARBON 10K 5% 1/6W
R401	401K5709	R, CARBON 33K 5% 1/6W
R402	401K5683	R, CARBON 2.7K 5% 1/6W
R403	403F2101	R, METAL 1 OH 5% 2W
R404	404C1703	R, METAL 18K 1% 1/6W
R405	404C1703	R, METAL 18K 1% 1/6W
R406	401K5709	R, CARBON 33K 5% 1/6W
R407	401H5651	R, CARBON 120H 5% 1/2W
R408	401K5611	R, CARBON 2.7H 5% 1/6W
R409	401K5721	R, CARBON 100K 5% 1/6W
Δ R410	403F2151	R, METAL OXIDE 120H 5% 2W
R411	401G6117	R, CARBON 4.7K 5% 1/4W
R412	401K5689	R, CARBON 4.7K 5% 1/6W
R413	401K5673	R, CARBON 1.0K 5% 1/6W
R414	401K5673	R, CARBON 1.0K 5% 1/6W
R415	401K5661	R, CARBON 330H 5% 1/6W
R420	401K5673	R, CARBON 1.0K 5% 1/6W
R421	404C1728	R, METAL 200K 1% 1/6W
R422	401K5689	R, CARBON 4.7K 5% 1/6W
R423	404C1740	R, METAL 620K 1% 1/6W
R425	404C1700	R, METAL 13K 1% 1/6W
R426	404C1724	R, METAL 130K 1% 1/6W
R427	404C1697	R, METAL 10K 1% 1/6W
R431	401K5689	R, CARBON 4.7K 5% 1/6W
R432	401K5673	R, CARBON 1.0K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R433	401K5713	R. CARBON 47K 5% 1/6W
R434	401K5713	R. CARBON 47K 5% 1/6W
R435	401K5689	R. CARBON 4.7K 5% 1/6W
R436	401K5689	R. CARBON 4.7K 5% 1/6W
R437	401K5681	R. CARBON 2.2K 5% 1/6W
R5A1	401K5673	R. CARBON 1.0K 5% 1/6W
R5A2	401K5705	R. CARBON 22K 5% 1/6W
R5A3	401K5689	R. CARBON 4.7K 5% 1/6W
R5A4	401K5697	R. CARBON 10K 5% 1/6W
R5A5	401K5691	R. CARBON 5.6K 5% 1/6W
R5A6	401K5705	R. CARBON 22K 5% 1/6W
R5A7	401K5699	R. CARBON 12K 5% 1/6W
R5A8	401K5687	R. CARBON 3.9K 5% 1/6W
R5A9	401K5677	R. CARBON 1.5K 5% 1/6W
R5C0	404C1705	R. METAL 22K 1% 1/6W
R5C1	404C1711	R. METAL 39K 1% 1/6W
R5C3	401K5635	R. CARBON 27K 5% 1/6W
R5C4	401K5689	R. CARBON 4.7K 5% 1/6W
R5C5	401K5683	R. CARBON 2.7K 5% 1/6W
R5C7	404C1699	R. METAL 12K 1% 1/6W
R5C8	404C1684	R. METAL 3.0K 1% 1/6W
R5C9	401K5697	R. CARBON 10K 5% 1/6W
R5D1	401K5745	R. CARBON 1.0M 5% 1/6W
R5D2	404C1697	R. METAL 10K 1% 1/6W
R5D4	401K5697	R. CARBON 10K 5% 1/6W
R5D5	401K5695	R. CARBON 8.2K 5% 1/6W
R5D6	404C1707	R. METAL 27K 1% 1/6W
R5D8	404C1673	R. METAL 1.0K 1% 1/6W
R5D9	404C1685	R. METAL 3.3K 1% 1/6W
R5E1	404C1697	R. METAL 10K 1% 1/6W
R5E2	404C1731	R. METAL 270K 1% 1/6W
R5E3	404C1733	R. METAL 330K 1% 1/6W
R5E4	401K5745	R. CARBON 1.0M 5% 1/6W
△R5E5	401K5693	R. CARBON 6.8K 5% 1/6W
R5E6	401K5709	R. CARBON 33K 5% 1/6W
R5E7	401K5705	R. CARBON 22K 5% 1/6W
R5E8	401K5691	R. CARBON 5.6K 5% 1/6W
R5E9	401K5695	R. CARBON 8.2K 5% 1/6W
R5F0	401K5745	R. CARBON 1.0M 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R513	401H6659	R. CARBON 270H 5% 1/2W
R514	401K5649	R. CARBON 100H 5% 1/6W
R515	401K5649	R. CARBON 100H 5% 1/6W
R516	401K5649	R. CARBON 100H 5% 1/6W
△R518	401G6101	R. CARBON 1.0H 5% 1/4W
△R519	401G6101	R. CARBON 1.0H 5% 1/4W
R520	401G6167	R. CARBON 560H 5% 1/4W
△R521	401G6143	R. CARBON 56H 5% 1/4W
R522	401C6657	R. CARBON 220H 5% 1/4W
R523	401C6697	R. CARBON 10K 5% 1/4W
R524	401K5695	R. CARBON 8.2K 5% 1/6W
R525	401K5721	R. CARBON 100K 5% 1/6W
R526	401K5733	R. CARBON 330K 5% 1/6W
R527	404C1695	R. METAL 8.2K 1% 1/6W
R528	404C1673	R. METAL 1.0K 1% 1/6W
R529	401K5697	R. CARBON 10K 5% 1/6W
R530	404C1697	R. METAL 10K 1% 1/6W
R531	401C6677	R. CARBON 1.5K 5% 1/4W
R532	401C6629	R. CARBON 15H 5% 1/4W
△R533	401H5687	R. CARBON 3.9K 5% 1/2W
R534	401K5731	R. CARBON 270K 5% 1/6W
R535	401K5729	R. CARBON 220K 5% 1/6W
△R536	401G6109	R. CARBON 2.2H 5% 1/4W
△R537	401G6109	R. CARBON 2.2H 5% 1/4W
R538	401G6109	R. CARBON 2.2H 5% 1/4W
△R540	403F1107	R. METAL 1.8H 5% 1W
R541	401H5697	R. CARBON 10K 5% 1/2W
R544	401C6673	R. CARBON 1.0K 5% 1/4W
R545	401C6697	R. CARBON 10K 5% 1/4W
R546	401K5733	R. CARBON 330K 5% 1/6W
R547	401K5733	R. CARBON 330K 5% 1/6W
R548	40372133	R. METAL 22H 5% 2W
R549	404C1739	R. METAL 560K 1% 1/6W
R553	401K5689	R. CARBON 4.7K 5% 1/6W
△R554	403F1101	R. METAL OXIDE 1H 5% 1W
△R555	401G6101	R. CARBON 1.0H 5% 1/4W
R559	401K5697	R. CARBON 10K 5% 1/6W
R560	401H5681	R. CARBON 2.2K 5% 1/2W
R561	401H5665	R. CARBON 470H 5% 1/2W
R562	404C1724	R. METAL 130K 1% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5F1	401K5695	R. CARBON 8.2K 5% 1/6W
R5F2	401K5675	R. CARBON 1.2K 5% 1/6W
R5F3	401K5697	R. CARBON 10K 5% 1/6W
R5F4	401K5715	R. CARBON 56K 5% 1/6W
R5F5	401K5697	R. CARBON 10K 5% 1/6W
R5F6	401K5691	R. CARBON 5.6K 5% 1/6W
R5F7	401K5721	R. CARBON 100K 5% 1/6W
R5F8	401C6761	R. CARBON 4.7M 5% 1/4W
R5F9	401K5721	R. CARBON 100K 5% 1/6W
R5G0	401K5697	R. CARBON 10K 5% 1/6W
R5G1	401K5701	R. CARBON 15K 5% 1/6W
R5G2	401K5705	R. CARBON 22K 5% 1/6W
R5G3	401K5713	R. CARBON 47K 5% 1/6W
R5G4	401K5745	R. CARBON 1.0M 5% 1/6W
R5G5	401K5697	R. CARBON 10K 5% 1/6W
R5G6	401K5691	R. CARBON 5.6K 5% 1/6W
R5G7	401K5697	R. CARBON 10K 5% 1/6W
R5G8	401K5709	R. CARBON 33K 5% 1/6W
R5H2	401K5665	R. CARBON 470H 5% 1/6W
R5H3	401K5697	R. CARBON 10K 5% 1/6W
R5H4	401K5693	R. CARBON 6.8K 5% 1/6W
R5H5	401K5697	R. CARBON 10K 5% 1/6W
R5J0	401H5653	R. CARBON 150H 5% 1/2W
R5J2	403F2165	R. METAL 470H 5% 2W
R5K1	401K5715	R. CARBON 56K 5% 1/6W
R5K2	401K5715	R. CARBON 56K 5% 1/6W
R5K3	401K5715	R. CARBON 56K 5% 1/6W
R5L7	401K5697	R. CARBON 10K 5% 1/6W
R5O1	401K5675	R. CARBON 1.2K 5% 1/6W
R5O2	401K5661	R. CARBON 330H 5% 1/6W
R5O4	401C6673	R. CARBON 1.0K 5% 1/4W
R5O5	401K5673	R. CARBON 1.0K 5% 1/6W
△R5O6	40175137	R. CARBOX 33H 5% 1/4W
△R5O7	40801004	R. FUSE 1.0H 500MA
R5O8A	403F2145	R. METAL 68H 5% 2W
R5O8B	403F1137	R. METAL 33H 5% 1W
R5O9	401C6657	R. CARBON 220H 5% 1/4W
R510	40216266	R. WIRE 2.4H 5% 7W
R511	40372107	R. METAL 1.8H 5% 2W
△R512	401H6653	R. CARBON 150H 5% 1/2W

SYMBOL	PARTS NO	DESCRIPTION
R563	401K5681	R. CARBON 2.2K 5% 1/6W
△R565	401G6133	R. CARBON 22H 5% 1/4W
△R571	401G6133	R. CARBON 22H 5% 1/4W
R572	401H5687	R. CARBON 3.9K 5% 1/2W
R573	401K5697	R. CARBON 10K 5% 1/6W
R574	401K5697	R. CARBON 10K 5% 1/6W
R575	401C6689	R. CARBON 4.7K 5% 1/4W
R576	401K5705	R. CARBON 22K 5% 1/6W
R577	401K5673	R. CARBON 1.0K 5% 1/6W
R578	403F1177	R. METAL OXIDE 1.5K 5% 1W
R580	401K5625	R. CARBON 10H 5% 1/6W
R581	401K5625	R. CARBON 10H 5% 1/6W
R582	401K5625	R. CARBON 10H 5% 1/6W
R583	401K5619	R. CARBON 5.6H 5% 1/6W
R591	401K5697	R. CARBON 10K 5% 1/6W
R592	401K5713	R. CARBON 47K 5% 1/6W
R593	401K5697	R. CARBON 10K 5% 1/6W
R594	401K5691	R. CARBON 5.6K 5% 1/6W
R595	401K5721	R. CARBON 100K 5% 1/6W
R701B	404K2646	R. METAL 75H 1% 1/4W
R701G	404K2646	R. METAL 75H 1% 1/4W
R701R	404K2646	R. METAL 75H 1% 1/4W
R702B	401K5695	R. CARBON 8.2K 5% 1/6W
R702G	401K5695	R. CARBON 8.2K 5% 1/6W
R702R	401K5695	R. CARBON 8.2K 5% 1/6W
R703B	401K5697	R. CARBON 10K 5% 1/6W
R703G	401K5697	R. CARBON 10K 5% 1/6W
R703R	401K5697	R. CARBON 10K 5% 1/6W
R704B	401K5659	R. CARBON 270H 5% 1/6W
R704G	401K5659	R. CARBON 270H 5% 1/6W
R704R	401K5659	R. CARBON 270H 5% 1/6W
R705B	401K5667	R. CARBON 560H 5% 1/6W
R705G	401K5667	R. CARBON 560H 5% 1/6W
R705R	401K5667	R. CARBON 560H 5% 1/6W
R706B	401K5673	R. CARBON 1.0K 5% 1/6W
R706G	401K5673	R. CARBON 1.0K 5% 1/6W
R706R	401K5673	R. CARBON 1.0K 5% 1/6W
R710B	401K5653	R. CARBON 150H 5% 1/6W
R710G	401K5653	R. CARBON 150H 5% 1/6W
R710R	401K5653	R. CARBON 150H 5% 1/6W

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SYMBOL	PARTS NO	DESCRIPTION
R711B	401K5669	R.CARBON 680H 5% 1/6W
R711G	401K5669	R.CARBON 680H 5% 1/6W
R711R	401K5669	R.CARBON 680H 5% 1/6W
R712B	401K5649	R.CARBON 100H 5% 1/6W
R712G	401K5649	R.CARBON 100H 5% 1/6W
R712R	401K5649	R.CARBON 100H 5% 1/6W
R713B	401K5705	R.CARBON 22K 5% 1/6W
R713G	401K5705	R.CARBON 22K 5% 1/6W
R713R	401K5705	R.CARBON 22K 5% 1/6W
R716	401K5695	R.CARBON 8 2K 5% 1/6W
R717	401K5697	R.CARBON 10K 5% 1/6W
R718	401K5649	R.CARBON 100H 5% 1/6W
R720B	401K5687	R.CARBON 3 9K 5% 1/6W
R720G	401K5687	R.CARBON 3 9K 5% 1/6W
R720R	401K5687	R.CARBON 3 9K 5% 1/6W
R721	404C1700	R.METAL 13K 1% 1/6W
R722	404C1709	R.METAL 33K 1% 1/6W
R723	404C1682	R.METAL 2 4K 1% 1/6W
R724	404C1663	R.METAL 390H 1% 1/6W
R726B	401K5669	R.CARBON 680H 5% 1/6W
R726G	401K5669	R.CARBON 680H 5% 1/6W
R726R	401K5669	R.CARBON 680H 5% 1/6W
R727	401K5699	R.CARBON 12K 5% 1/6W
R728	401K5691	R.CARBON 5 6K 5% 1/6W
R729	401K5689	R.CARBON 4 7K 5% 1/6W
R730	401K5689	R.CARBON 4 7K 5% 1/6W
R731B	401J9820	R.CARBON 0.0H
R731R	401J9820	R.CARBON 0.0H
R733	401K5649	R.CARBON 100H 5% 1/6W
R750B	401K5657	R.CARBON 220H 5% 1/6W
R750G	401K5657	R.CARBON 220H 5% 1/6W
R750R	401K5657	R.CARBON 220H 5% 1/6W
R751B	401K5655	R.CARBON 180H 5% 1/6W
R751G	401K5655	R.CARBON 180H 5% 1/6W
R751R	401K5655	R.CARBON 180H 5% 1/6W
R760B	401K5655	R.CARBON 180H 5% 1/6W
R760G	401K5655	R.CARBON 180H 5% 1/6W
R760R	401K5655	R.CARBON 180H 5% 1/6W
R761B	401C6635	R.CARBON 27H 5% 1/4W
R761G	401C6635	R.CARBON 27H 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R8A5	401K5685	R.CARBON 3 3K 5% 1/6W
R8A6	401K5681	R.CARBON 2 2K 5% 1/6W
R8A8	401K5691	R.CARBON 5 6K 5% 1/6W
R8A9	401K5657	R.CARBON 220H 5% 1/6W
R8B0	401K5689	R.CARBON 4 7K 5% 1/6W
R8B1	401K5689	R.CARBON 4 7K 5% 1/6W
R8B2	401K5689	R.CARBON 4 7K 5% 1/6W
R8B3	401K5691	R.CARBON 5 6K 5% 1/6W
R8B4	401K5691	R.CARBON 5 6K 5% 1/6W
R8B5	401K5691	R.CARBON 5 6K 5% 1/6W
R8B6	401K5691	R.CARBON 5 6K 5% 1/6W
R8B7	401K5697	R.CARBON 10K 5% 1/6W
R8B8	401K5721	R.CARBON 100K 5% 1/6W
R8C0	401K5673	R.CARBON 1 0K 5% 1/6W
R8C1	404C1661	R.METAL 330H 1% 1/6W
R8C2	404C1663	R.METAL 390H 1% 1/6W
R8C3	401K5697	R.CARBON 10K 5% 1/6W
R8D0	401K5713	R.CARBON 47K 5% 1/6W
R8E0	401K5679	R.CARBON 1 8K 5% 1/6W
△R8E1	404K5125	R.METAL 10H 5% 1/4W
R801	401K5711	R.CARBON 39K 5% 1/6W
R802	401K5707	R.CARBON 27K 5% 1/6W
R803	401K5679	R.CARBON 1 8K 5% 1/6W
R804	404C1705	R.METAL 22K 1% 1/6W
R805	401K5711	R.CARBON 39K 5% 1/6W
R806	401K5707	R.CARBON 27K 5% 1/6W
R807	401K5679	R.CARBON 1 8K 5% 1/6W
R808	401K5705	R.CARBON 22K 5% 1/6W
R809	401K5707	R.CARBON 27K 5% 1/6W
R810	401K5673	R.CARBON 1 0K 5% 1/6W
R811	401K5673	R.CARBON 1 0K 5% 1/6W
R812	401K5683	R.CARBON 2 7K 5% 1/6W
R813	401K5697	R.CARBON 10K 5% 1/6W
R814	401K5691	R.CARBON 5 6K 5% 1/6W
R815	401K5721	R.CARBON 100K 5% 1/6W
R816	401K5673	R.CARBON 1 0K 5% 1/6W
R817	401K5717	R.CARBON 68K 5% 1/6W
R819	401K5717	R.CARBON 68K 5% 1/6W
R821	401K5653	R.CARBON 150H 5% 1/6W
R822	401K5667	R.CARBON 560H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R761R	401C6635	R.CARBON 27H 5% 1/4W
R762	401K5667	R.CARBON 560H 5% 1/6W
R770	401K5673	R.CARBON 1 0K 5% 1/6W
R771	401K5673	R.CARBON 1 0K 5% 1/6W
R772	401K5679	R.CARBON 1 8K 5% 1/6W
R774B	401K5663	R.CARBON 390H 5% 1/6W
R774G	401K5663	R.CARBON 390H 5% 1/6W
R774R	401K5663	R.CARBON 390H 5% 1/6W
R775B	401K5673	R.CARBON 1 0K 5% 1/6W
R775G	401K5673	R.CARBON 1 0K 5% 1/6W
R775R	401K5673	R.CARBON 1 0K 5% 1/6W
R776	401K5653	R.CARBON 150H 5% 1/6W
R780B	401K5731	R.CARBON 270K 5% 1/6W
R780G	401K5731	R.CARBON 270K 5% 1/6W
R780R	401K5731	R.CARBON 270K 5% 1/6W
R781B	401K5729	R.CARBON 220K 5% 1/6W
R781G	401K5729	R.CARBON 220K 5% 1/6W
R781R	401K5729	R.CARBON 220K 5% 1/6W
R782B	401K5723	R.CARBON 120K 5% 1/6W
R782G	401K5723	R.CARBON 120K 5% 1/6W
R782R	401K5723	R.CARBON 120K 5% 1/6W
R783B	401K5709	R.CARBON 33K 5% 1/6W
R783G	401K5709	R.CARBON 33K 5% 1/6W
R783R	401K5709	R.CARBON 33K 5% 1/6W
R784B	401K5701	R.CARBON 15K 5% 1/6W
R784G	401K5701	R.CARBON 15K 5% 1/6W
R784R	401K5701	R.CARBON 15K 5% 1/6W
R785B	401K5703	R.CARBON 18K 5% 1/6W
R785G	401K5703	R.CARBON 18K 5% 1/6W
R785R	401K5703	R.CARBON 18K 5% 1/6W
R786	401K5749	R.CARBON 1 5M 5% 1/5W
R787	401K5673	R.CARBON 1 0K 5% 1/6W
R789	401K5753	R.CARBON 2 2M 5% 1/6W
R790	401K5689	R.CARBON 4 7K 5% 1/6W
R791	401K5697	R.CARBON 10K 5% 1/6W
R792	401K5685	R.CARBON 3 3K 5% 1/6W
R8A0	404C1708	R.METAL 30K 1% 1/6W
R8A1	404C1697	R.METAL 10K 1% 1/6W
R8A3	401K5697	R.CARBON 10K 5% 1/6W
R8A4	401K5665	R.CARBON 470H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R823	401K5667	R.CARBON 560H 5% 1/6W
R825	401K5667	R.CARBON 560H 5% 1/6W
R826	401K5673	R.CARBON 1 0K 5% 1/6W
R827	401K5673	R.CARBON 1 0K 5% 1/6W
R830	401K5705	R.CARBON 22K 5% 1/6W
R840	401K5625	R.CARBON 10H 5% 1/6W
R841	401K5659	R.CARBON 270H 5% 1/6W
R841	401K5703	R.CARBON 18K 5% 1/6W
R842	401K5661	R.CARBON 330H 5% 1/6W
R842	401K5671	R.CARBON 820H 5% 1/6W
R843	401K5739	R.CARBON 560K 5% 1/6W
R844	401K5739	R.CARBON 560K 5% 1/6W
R845	401K5739	R.CARBON 560K 5% 1/6W
R846	401K5739	R.CARBON 560K 5% 1/6W
R856	401K5697	R.CARBON 10K 5% 1/6W
R857	401K5713	R.CARBON 47K 5% 1/6W
R859	401K5691	R.CARBON 5 6K 5% 1/6W
R860	401K5691	R.CARBON 5 6K 5% 1/6W
R861	401K5691	R.CARBON 5 6K 5% 1/6W
R865	401K5691	R.CARBON 5 6K 5% 1/6W
R866	401K5691	R.CARBON 5 6K 5% 1/6W
R867	401K5691	R.CARBON 5 6K 5% 1/6W
R868	401K5691	R.CARBON 5 6K 5% 1/6W
R869	401K5691	R.CARBON 5 6K 5% 1/6W
R870	401K5691	R.CARBON 5 6K 5% 1/6W
R871	401K5691	R.CARBON 5 6K 5% 1/6W
R872	401K5691	R.CARBON 5 6K 5% 1/6W
R873	401K5691	R.CARBON 5 6K 5% 1/6W
R874	401K5691	R.CARBON 5 6K 5% 1/6W
R875	401K5691	R.CARBON 5 6K 5% 1/6W
R887	401K5713	R.CARBON 47K 5% 1/6W
R888	401K5673	R.CARBON 1 0K 5% 1/6W
R889	401K5673	R.CARBON 1 0K 5% 1/6W
R890	404C1677	R.METAL 1 5K 1% 1/6W
R891	404C1679	R.METAL 1 8K 1% 1/6W
R892	401K5653	R.CARBON 150H 5% 1/6W
R893	404C1659	R.METAL 270H 1% 1/6W
R894	401K5673	R.CARBON 1 0K 5% 1/6W
R895	404C1659	R.METAL 270H 1% 1/6W
R896	404C1660	R.METAL 300H 1% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R897	404C1662	R.METAL 360H 1X 1/6W
R898	40431645	R.METAL 68H 1X 1/6W
R899	401K5673	R.CARBON 1.0K 5% 1/6W
R904	401H5637	R.CARBON 33H 5% 1/2W
R905	401H5637	R.CARBON 33H 5% 1/2W
R906	401H5637	R.CARBON 33H 5% 1/2W
R907	401K5633	R.CARBON 22H 5% 1/6W
R908	401H5649	R.CARBON 100H 5% 1/2W
R909	401C6689	R.CARBON 4.7K 5% 1/4W

\*\*\* CAPACITORS \*\*\*

C101	421C3479	C.CERAMIC 50V 0.1UF
C2003	430B6065	C.ELEC 50V 10UF
C2004	430B6065	C.ELEC 50V 10UF
C2005	421C0225	C.CERAMIC 50V 0.01UF
C4A1	427F4613	C.FILM 50V 0.01UF
C4A2	427F4614	C.FILM 50V 0.012UF
C4A3	421C3479	C.CERAMIC 50V 0.1UF
C4A4	427F4625	C.FILM 50V 0.1UF
C4A5	421C3479	C.CERAMIC 50V 0.1UF
C4A6	421C3479	C.CERAMIC 50V 0.1UF
C4A7	428B3025	C.METAL FILM 50V 1.0UF
C4A8	421C3479	C.CERAMIC 50V 0.1UF
C4A9	421C3479	C.CERAMIC 50V 0.1UF
C4C0	430B9016	C.ELEC 10V 100UF
C4C1	421C3479	C.CERAMIC 50V 0.1UF
C4C2	430C0065	C.ELEC 35V 10UF
C4C3	430C0065	C.ELEC 35V 10UF
C4C4	421C3479	C.CERAMIC 50V 0.1UF
C4C5	430B6068	C.ELEC 50V 47UF
C4C6	421C3479	C.CERAMIC 50V 0.1UF
C4C7	430B8155	C.ELEC 25V 47UF
C4C8	421C3479	C.CERAMIC 50V 0.1UF
C4C9	430B8155	C.ELEC 25V 47UF
C4E0	421C3479	C.CERAMIC 50V 0.1UF
C4E2	421C3479	C.CERAMIC 50V 0.1UF
C4E4	421C3479	C.CERAMIC 50V 0.1UF
C4E5	421C0213	C.CERAMIC 50V 1000PF
C401	430B9030	C.ELEC 16V 220UF
C402	428B3025	C.METAL FILM 50V 1.0UF

C5E1	433A4043	C.ELEC 35V 4.7UF
C5E2	430B9061	C.ELEC 50V 1.0UF
C5E3	427F4672	C.FILM 50V 0.056UF
C5E4	423A2103	C.CERAMIC 50V 180PF
C5E6	421C3479	C.CERAMIC 50V 0.1UF
C5E7	427F4609	C.FILM 50V 4700PF
C5E8	421D6013	C.CERAMIC 50V 0.1UF
C5E9	421C3479	C.CERAMIC 50V 0.1UF
C5F1	430B6029	C.ELEC 16V 100UF
C5F2	423A2028	C.CERAMIC 50V 20PF
C5F3	427F4601	C.FILM 50V 1000PF
C5F4	421C0225	C.CERAMIC 50V 0.01UF
C5F5	423A2029	C.CERAMIC 50V 22PF
C5F6	421D6013	C.CERAMIC 50V 0.1UF
C5F7	423A2041	C.CERAMIC 50V 68PF
C5F8	421C3479	C.CERAMIC 50V 0.1UF
C5F9	430C0045	C.ELEC 16V 22UF
C5H0	430B6017	C.ELEC 10V 220UF
C5H1	421C2862	C.CERAMIC 25V 0.01UF
C5H2	430B8165	C.ELEC 35V 47UF
C5H3	421A0425	C.CERAMIC 50V 0.01UF
C5H4	421C3479	C.CERAMIC 50V 0.1UF
C5H5	421C3479	C.CERAMIC 50V 0.1UF
C5H6	430B6068	C.ELEC 50V 47UF
C5H7	421C3479	C.CERAMIC 50V 0.1UF
C5H8	430B6041	C.ELEC 25V 47UF
C5H9	421C3479	C.CERAMIC 50V 0.1UF
C5J1	421C3479	C.CERAMIC 50V 0.1UF
C5J3	421C3479	C.CERAMIC 50V 0.1UF
C5K0	421C3479	C.CERAMIC 50V 0.1UF
C5K1	430C0043	C.ELEC 16V 10UF
C503	430C6344	C.ELEC 35V 100UF
C504	420C9567	C.CERAMIC 500V 2200PF
C505	42817011	C.METAL FILM 1.4KV 2700PF
C506	42817091	C.METAL FILM 1.4KV 2900PF
C507	42839733	C.METAL FILM 400V 0.43UF
C508	42839303	C.FILM 400V 0.15UF
C509	42839332	C.METAL FILM 400V 0.3UF
C510	42839331	C.METAL 400V 0.75UF

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SYMBOL	PARTS NO	DESCRIPTION
C403	430B9054	C.ELEC 35V 100UF
C404	430B9055	C.ELEC 35V 220UF
C405	423A2023	C.CERAMIC 50V 12PF
C406	428B3017	C.METAL FILM 50V 0.22UF
C407	430B9051	C.ELEC 35V 2200UF
C408	428B3025	C.METAL FILM 50V 1.0UF
C410	430B9054	C.ELEC 35V 100UF
C411	427F4666	C.FILM 50V 0.018UF
C421	428B3021	C.METAL FILM 50V 0.47UF
C422	428B3018	C.METAL FILM 50V 0.27UF
C426	421C3479	C.CERAMIC 50V 0.1UF
C427	421C3479	C.CERAMIC 50V 0.1UF
C428	421C3479	C.CERAMIC 50V 0.1UF
C431	430C0045	C.ELEC 16V 22UF
C432	430C0052	C.ELEC 25V 4.7UF
C5A1	43518712	C.TANTALUM 35V 6.8UF
C5A2	427F4616	C.FILM 50V 0.018UF
C5A3	430C0077	C.ELEC 50V 1.0UF
C5A4	427F4607	C.FILM 50V 3300PF
C5A5	423J9017	C.CERAMIC 50V 270PF
C5A6	423J9017	C.CERAMIC 50V 270PF
C5A7	423A2029	C.CERAMIC 50V 22PF
C5A8	421C3479	C.CERAMIC 50V 0.1UF
C5A9	427F6999	C.FILM 50V 470PF
C5C0	421A0425	C.CERAMIC 50V 0.01UF
C5C3	423A2045	C.CERAMIC 50V 100PF
C5C5	421A0425	C.CERAMIC 50V 0.01UF
C5C7	427F8405	C.FILM 100V 2200PF
C5C8	421C3479	C.CERAMIC 50V 0.1UF
C5D1	421C3479	C.CERAMIC 50V 0.1UF
C5D2	430B6068	C.ELEC 50V 47UF
C5D3	423A2037	C.CERAMIC 50V 47PF
C5D4	427F4604	C.FILM 50V 1800PF
C5D5	427F4601	C.FILM 50V 1000PF
C5D6	430B9038	C.ELEC 25V 10UF
C5D7	427F4601	C.FILM 50V 1000PF
C5D8	421C3479	C.CERAMIC 50V 0.1UF
C5D9	430B6017	C.ELEC 10V 220UF
C5E0	427F4601	C.FILM 50V 1000PF

C511	420C9569	C.CERAMIC 50V 3300PF
C512	420C9563	C.CERAMIC 500V 1000PF
C513	421C2862	C.CERAMIC 25V 0.01UF
C514	421C2862	C.CERAMIC 25V 0.01UF
C515	421C2862	C.CERAMIC 25V 0.01UF
C516	430B6017	C.ELEC 10V 220UF
C517	430B6017	C.ELEC 10V 220UF
C518	423A2039	C.CERAMIC 50V 56PF
C519	430B9053	C.ELEC 35V 47UF
C520	428CJ022	C.METAL FILM 250V 0.1UF
C521	430J8102	C.ELEC 160V 3.3UF
C522	430J8103	C.ELEC 160V 10UF
C523	430B6512	C.ELEC 160V 1.0UF
C524	420C9571	C.CERAMIC 500V 4700PF
C526	428C121	C.METAL FILM 50V 0.47UF
C527	428B3025	C.METAL FILM 50V 1.0UF
C528	427F8225	C.FILM 50V 1000PF
C529	427F4675	C.FILM 50V 0.1UF
C530	42807516	C.FILM 1.6KV 4300PF
C531	42807516	C.FILM 1.6KV 4300PF
C532	428CJ022	C.METAL FILM 250V 0.1UF
C533	430B9098	C.ELEC 100V 10 UF
C535	430J8104	C.ELEC 200V 10UF
C537	428CJ022	C.METAL FILM 250V 0.1UF
C539	430B9060	C.ELEC 250V 3.3UF
C540	430B9532	C.ELEC 200V 1.0UF
C541	430B9537	C.ELEC 200V 1.0UF
C542	421C3479	C.CERAMIC 50V 0.1UF
C545	423A1045	C.CERAMIC 50V 100PF
C548	421C3479	C.CERAMIC 50V 0.1UF
C551	430B9033	C.ELEC 16V 1000UF
C553	430B9053	C.ELEC 35V 47UF
C554	430B9042	C.ELEC 25V 100UF
C555	430B9054	C.ELEC 35V 100UF
C556	430C6347	C.ELEC 35V 470UF
C557	430C6316	C.ELEC 10V 1000UF
C558	430B9019	C.ELEC 10V 470UF
C559	430B9041	C.ELEC 25V 47UF
C561	430B9045	C.ELEC 25V 470UF

SYMBOL	PARTS NO	DESCRIPTION
C562	43089030	C.ELEC 16V 220UF
C563	421A0425	C.CERAMIC 50V 0.01UF
C564	43086030	C.ELEC 16V 220UF
C565	421D6013	C.CERAMIC 50V 0.1UF
C570	43086016	C.ELEC 10V 100UF
C573	4308F046	C.ELEC 25V 1000UF
C591	43086053	C.ELEC 35V 47UF
C592	43086533	C.ELEC 200V 2.2UF
C593	428D0417	C.METAL FILM 250V 0.22UF
C701	421D6009	C.CERAMIC 25V 0.1UF
C702B	433A4013	C.ELEC 10V 47UF
C702G	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C703B	421A0425	C.CERAMIC 50V 0.01UF
C703G	421A0425	C.CERAMIC 50V 0.01UF
C703R	421A0425	C.CERAMIC 50V 0.01UF
C704B	43088145	C.ELEC 16V 100UF
C704G	43088145	C.ELEC 16V 100UF
C704R	43088145	C.ELEC 16V 100UF
C705B	430C0065	C.ELEC 35V 10UF
C705G	430C0065	C.ELEC 35V 10UF
C705R	430C0065	C.ELEC 35V 10UF
C706B	430C0065	C.ELEC 35V 10UF
C706G	430C0065	C.ELEC 35V 10UF
C706R	430C0065	C.ELEC 35V 10UF
C707B	43086042	C.ELEC 25V 100UF
C707G	43086042	C.ELEC 25V 100UF
C707R	43086042	C.ELEC 25V 100UF
C708B	430C0065	C.ELEC 35V 10UF
C708G	430C0065	C.ELEC 35V 10UF
C708R	430C0065	C.ELEC 35V 10UF
C709B	421D6009	C.CERAMIC 25V 0.1UF
C709G	421D6009	C.CERAMIC 25V 0.1UF
C709R	421D6009	C.CERAMIC 25V 0.1UF
C710	421D6009	C.CERAMIC 25V 0.1UF
C712	43089028	C.ELEC 16V 47UF
C713	421D6009	C.CERAMIC 25V 0.1UF
C720B	433A7013	C.ELEC 16V 47UF
C720G	433A7013	C.ELEC 16V 47UF
C720R	433A7013	C.ELEC 16V 47UF

SYMBOL	PARTS NO	DESCRIPTION
C786	43089556	C.ELEC 250V 10UF
C787	420C9565	C.CERAMIC 500V 1500PF
C789	427E4163	C.FILM 100V 0.01UF
C792	43089029	C.ELEC 16V 100UF
C793	43089032	C.ELEC 16V 470UF
C794B	421C0221	C.CERAMIC 50V 4700PF
C794G	421C0221	C.CERAMIC 50V 4700PF
C8A0	43089016	C.ELEC 10V 100UF
C8A3	421C3479	C.CERAMIC 50V 0.1UF
C8A4	421C3479	C.CERAMIC 50V 0.1UF
C8A5	421C3479	C.CERAMIC 50V 0.1UF
C8A6	421C3479	C.CERAMIC 50V 0.1UF
C8A7	43088152	C.ELEC 25V 10UF
C8C1	43086065	C.ELEC 50V 10UF
C8C3	421D6009	C.CERAMIC 25V 0.1UF
C8C4	43086031	C.ELEC 16V 330UF
C8C5	43086041	C.ELEC 25V 47UF
C802	433A4023	C.ELEC 16V 22UF
C803	433A4023	C.ELEC 16V 22UF
C804	421D6009	C.CERAMIC 25V 0.1UF
C805	423A2101	C.CERAMIC 50V 120PF
C806	421D6009	C.CERAMIC 25V 0.1UF
C807	43086042	C.ELEC 25V 100UF
C808	427F4601	C.FILM 50V 1000PF
C809	427F4601	C.FILM 50V 1000PF
C810	427F4609	C.FILM 50V 4700PF
C811	433A4056	C.ELEC 50V 2.2UF
C812	43086062	C.ELEC 50V 2.2UF
C813	430A4104	C.ELEC 50V 0.68UF
C814	433A4058	C.ELEC 50V 4.7UF
C815	43086065	C.ELEC 50V 10UF
C816	43086064	C.ELEC 50V 4.7UF
C817	43086064	C.ELEC 50V 4.7UF
C818	43086061	C.ELEC 50V 1.0UF
C819	423A2104	C.CERAMIC 50V 220PF
C840	421C3479	C.CERAMIC 50V 0.1UF
C841	421C3479	C.CERAMIC 50V 0.1UF
C842	421C3479	C.CERAMIC 50V 0.1UF
C855	43086065	C.ELEC 50V 10UF
C856	423A2015	C.CERAMIC 50V 10PF

SYMBOL	PARTS NO	DESCRIPTION
C721B	421C0213	C.CERAMIC 50V 1000PF
C721G	421C0213	C.CERAMIC 50V 1000PF
C721R	421C0213	C.CERAMIC 50V 1000PF
C724B	43089028	C.ELEC 16V 47UF
C724G	43089028	C.ELEC 16V 47UF
C724R	43089028	C.ELEC 16V 47UF
C725B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C725R	421C0225	C.CERAMIC 50V 0.01UF
C726B	421C0225	C.CERAMIC 50V 0.01UF
C726G	421C0225	C.CERAMIC 50V 0.01UF
C726R	421C0225	C.CERAMIC 50V 0.01UF
C727	421J9005	C.CERAMIC 25V 0.01UF
C729B	43089062	C.ELEC 50V 2.2UF
C729G	43089062	C.ELEC 50V 2.2UF
C729R	43089062	C.ELEC 50V 2.2UF
C731	421C0225	C.CERAMIC 50V 0.01UF
C732	421C0225	C.CERAMIC 50V 0.01UF
C733	433A7021	C.ELEC 25V 10UF
C750B	421C0225	C.CERAMIC 50V 0.01UF
C750G	421C0225	C.CERAMIC 50V 0.01UF
C750R	421C0225	C.CERAMIC 50V 0.01UF
C751	421C0225	C.CERAMIC 50V 0.01UF
C752	43089029	C.ELEC 16V 100UF
C760	421D6009	C.CERAMIC 25V 0.1UF
C761	43089029	C.ELEC 16V 100UF
C762	43089516	C.ELEC 160V 10UF
C763	420C9569	C.CERAMIC 50V 3300PF
C764B	423A2043	C.CERAMIC 50V 82PF
C764G	423A2043	C.CERAMIC 50V 82PF
C764R	423A2043	C.CERAMIC 50V 82PF
C781B	42840097	C.FILM 250V 0.22UF
C781G	42840097	C.FILM 250V 0.22UF
C781R	42840097	C.FILM 250V 0.22UF
C782B	43089512	C.ELEC 160V 1.0UF
C782G	43089512	C.ELEC 160V 1.0UF
C782R	43089512	C.ELEC 160V 1.0UF
C783B	420C9563	C.CERAMIC 500V 1000PF
C783G	420C9563	C.CERAMIC 500V 1000PF
C783R	420C9563	C.CERAMIC 500V 1000PF

SYMBOL	PARTS NO	DESCRIPTION
C857	423F0013	C.CERAMIC 50V 10PF
C874A	43088145	C.ELEC 16V 100UF
C874B	421C3479	C.CERAMIC 50V 0.1UF
C880	421C3479	C.CERAMIC 50V 0.1UF
C887	421C3479	C.CERAMIC 50V 0.1UF
C888	421C3479	C.CERAMIC 50V 0.1UF
C889	421C3479	C.CERAMIC 50V 0.1UF
C890	421C3479	C.CERAMIC 50V 0.1UF
C892	421C3479	C.CERAMIC 50V 0.1UF
C893	421C3479	C.CERAMIC 50V 0.1UF
C899	43086041	C.ELEC 25V 47UF
C901	420C9551	C.CERAMIC 500V 1000PF
C902	420C9563	C.CERAMIC 500V 1000PF
C903	4200K108	C.CERAMIC 2KV 10000PF

# REPLACEMENT PARTS LIST

The components specified for Model JC-1531VMB-2(H)/B(EE)-2(H)

**Note:** The components identified by  $\Delta$  make are critical for safety.

Replace only with parts Number specified.

SYMBOL	PARTS NO	DESCRIPTION
*** CRT & TUNER ***		
$\Delta$ CRT	33015546	CRT M36KLH68DX14(Y)
*** ICS ***		
IC4A1	37056963	IC UPC5203CU-025
IC4A2	37056877	IC NJM4200D (MULTIPLIER)
IC4A3	37056877	IC NJM4200D (MULTIPLIER)
IC4A4	37051036	MOS UPD4066BC
IC4A5	37011206	IC XRA10358 (OP-AMP)
IC4A6	37053133	MOS TC74HC123P
IC401	37056689	IC LA7837
$\Delta$ IC5A1	37056217	IC LA7850
IC5A2	37056962	IC UPC5202CU-017
IC5A3	37011262	IC XRA10393 (COMP)
IC5A4	37011262	IC XRA10393 (COMP)
IC5A5	37056961	IC UPC5202CU-014
IC5A6	37011262	IC XRA10393 (COMP)
IC501	37053337	MOS XRU4538B (MULTIPLIER)
IC551	37005210	IC UPC24M18HF (REG)
IC552	37005193	IC PQ12RF11 (REG)
IC553	37005182	IC LM7812C (REG)
IC701	37056814	IC M52035P
IC702	37056923	IC M52307P
IC703	37056872	IC VPS08N
IC704	37011210	IC XRA10324 (Q OP-AMP)
$\Delta$ IC801	37056867	IC M52036SP
IC851	37056973	MOS UPD78C12AGO-A89-36
IC852	37056813	IC M52359P
IC853	37056812	IC M52362P
IC854	37056812	IC M52362P
IC855	37055401	MOS XRM93C56B-E
IC856	371E1514	IC PST529D-2(T) (VOLTAGE D)
IC858	37011206	IC XRA10358 (OP-AMP)
IC859	37056917	IC XRA10324A (Q OP-AMP)
IC864	37903232	IC LM2940CT-5.0

SYMBOL	PARTS NO	DESCRIPTION
Q551	350E3218	TR 2SC1740S-T R
Q552	35122100	TR 2SK703
Q553	350K5718	TR 2SA933S-T R
Q554	35026216	TR 2SB772 P
Q591	350K4518	TR 2SA933-T R
Q592	35056311	TR 2SC2688 K
Q701B	350J3016	TR 2SC2926S-T P
Q701G	350J3016	TR 2SC2926S-T P
Q701R	350J3016	TR 2SC2926S-T P
Q704	351G0601	TR DTC114ES-T
Q705	350E3218	TR 2SC1740S-T R
Q721	350E3218	TR 2SC1740S-T R
Q722	350K4518	TR 2SA933-T R
Q750B	350J4604	TR 2SC3776-AA D
Q750G	350J4604	TR 2SC3776-AA D
Q750R	350J4604	TR 2SC3776-AA D
Q770	350E3218	TR 2SC1740S-T R
Q771	350E3218	TR 2SC1740S-T R
Q772	350K4518	TR 2SA933-T R
Q780B	350K5217	TR 2SA1018-TA O
Q780G	350K5217	TR 2SA1018-TA O
Q780R	350K5217	TR 2SA1018-TA O
Q781B	350H4417	TR 2SC1473-TA O
Q781G	350H4417	TR 2SC1473-TA O
Q781R	350H4417	TR 2SC1473-TA O
Q801	350K4518	TR 2SA933-T R
Q802	350K4518	TR 2SA933-T R
Q803	351G0652	TR DTC1137S-T
Q804	351G0602	TR DTC144ES-T
Q805	351G0601	TR DTC114ES-T
Q806	351G0601	TR DTC114ES-T
Q851	351G0656	TR DTC143XS-T
Q852	350E3218	TR 2SC1740S-T R
Q853	35069805	TR 2SD1763 E

SYMBOL	PARTS NO	DESCRIPTION
*** TRANSISTORS ***		
Q4A1	350E3218	TR 2SC1740S-T R
Q4A2	351G0602	TR DTC144ES-T
Q4A3	350E3218	TR 2SC1740S-T R
Q4A4	351G0601	TR DTC114ES-T
Q401	350J2717	TR 2SC3377-T Q
Q402	359K7618	TR 2SA1515 R
Q404	351G0602	TR DTC144ES-T
Q406	351G0602	TR DTC144ES-T
Q431	350E3218	TR 2SC1740S-T R
Q432	350E3218	TR 2SC1740S-T R
Q5A1	350E3218	TR 2SC1740S-T R
Q5A2	350K5717	TR 2SA933S-T Q
Q5A3	350H5017	TR 2SC3811-TA Q
Q5A5	350E3218	TR 2SC1740S-T R
Q5A6	351G0601	TR DTC114ES-T
Q5F1	350K5717	TR 2SA933S-T Q
Q5H1	350H5018	TR 2SC3811-TA R
Q501	350E3218	TR 2SC1740S-T R
Q502	350K4519	TR 2SA933-T S
Q503	35122700	TR 2SK699
$\Delta$ Q504	35031112	TR 2SB1096 L
Q505	35070100	TR HPA100
C506	35122500	TR 2SK758
Q507	35122500	TR 2SK758
Q508	35127300	TR 2SK947-M
Q509	351G0656	TR DTC143XS-T
Q510	35125400	TR 1RF9610
Q511	350C1218	TR 2SB1329-T105 R
Q512	350G1018	TR 2SD2005-T105 R
Q513	350E4311	TR 2SC2001-T K
Q514	350K4412	TR 2SA952 L-AT
$\Delta$ Q515	35125500	TR 1RFPF40
Q517	35125400	TR 1RF9610
Q518	350E3218	TR 2SC1740S-T R
Q519	350K5718	TR 2SA933S-T R
Q520	350E3218	TR 2SC1740S-T R
Q521	350K5718	TR 2SA933S-T R
Q522	350H5017	TR 2SC3811-TA Q

SYMBOL	PARTS NO	DESCRIPTION
*** DIODES ***		
D101	360K1027	DIODE 1SS132
D102	360K1027	DIODE 1SS132
D103	360K1027	DIODE 1SS132
D104	360K1027	DIODE 1SS132
D105	360K1027	DIODE 1SS132
D106	360K1027	DIODE 1SS132
D107	360K1027	DIODE 1SS132
D108	360K1027	DIODE 1SS132
D109	360K1027	DIODE 1SS132
D110	360K1027	DIODE 1SS132
D111	360K1027	DIODE 1SS132
D112	360K1027	DIODE 1SS132
D113	360K1027	DIODE 1SS132
D114	360K1027	DIODE 1SS132
D115	360K1027	DIODE 1SS132
D116	360K1027	DIODE 1SS132
D118	36801342	LED GL3EG8
D119	36801331	LED SLR-54MT3F/PO
D120	36801331	LED SLR-54MT3F/PO
$\Delta$ D2004	361K7562	DIODE EGP10G G23
$\Delta$ D2005	361K7562	DIODE EGP10G G23
D401	361K7160	DIODE TVR06G G23
Q402	360K1027	DIODE 1SS132
D403	360K1027	DIODE 1SS132
D5A1	360K1027	DIODE 1SS132
D5A2	360K1027	DIODE 1SS132
D5A3	360K1027	DIODE 1SS132
D5A4	360K1027	DIODE 1SS132
D5A5	360K1027	DIODE 1SS132
D5A6	360K1027	DIODE 1SS132
D5A7	360K1027	DIODE 1SS132
D5A8	360K1027	DIODE 1SS132
D5A9	360K1027	DIODE 1SS132
D5C1	369K2136	DIODE RGP106-AT
D5E1	380K5054	VARIATOR MA29W-A (TP)
D5E2	380K5054	VARIATOR MA29W-A (TP)
D501	36107293	DIODE RK14
D503	36107560	DIODE RG2A2

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SYMBOL	PARTS NO	DESCRIPTION
ΔD504	36107560	DIODE RG2A2
ΔD505	360K1027	DIODE 1SS132
ΔD506	360K1027	DIODE 1SS132
D507	360K1027	DIODE 1SS132
D508	36107507	DIODE RG4
D509	361K7160	DIODE TVR06G G23
D510	361K7562	DIODE EGP10G G23
D511	361K7562	DIODE EGP10G G23
D512	361K7562	DIODE EGP10G G23
D513	361K7562	DIODE EGP10G G23
D514	361K7160	DIODE TVR06G G23
D517	360K1027	DIODE 1SS132
D518	36107507	DIODE RG4
D519	361K7160	DIODE TVR06G G23
D521	361K7550	DIODE 1SR35-400A
D522	360K1027	DIODE 1SS132
D523	360K1027	DIODE 1SS132
D551	361K7630	DIODE EU 2YX V1
D552	361K7160	DIODE TVR06G G23
D553	361K7562	DIODE EGP10G G23
D555	360K1027	DIODE 1SS132
D556	360K1027	DIODE 1SS132
D557	361K7562	DIODE EGP10G G23
D558	361K7562	DIODE EGP10G G23
D571	360K1027	DIODE 1SS132
D591	360K1027	DIODE 1SS132
D592	360K1032	DIODE 1SS82-TA
D593	360K1032	DIODE 1SS82-TA
D701	360K1027	DIODE 1SS132
D702	360K1027	DIODE 1SS132
D703	360K1027	DIODE 1SS132
D704	360K1027	DIODE 1SS132
D705	360K1027	DIODE 1SS132
D706	360K1027	DIODE 1SS132
D707	360K1027	DIODE 1SS132
D708	360K1027	DIODE 1SS132
D709	360K1027	DIODE 1SS132
D710	360K1027	DIODE 1SS132
D711	360K1027	DIODE 1SS132

SYMBOL	PARTS NO	DESCRIPTION
D712	360K1027	DIODE 1SS132
D713	360K1027	DIODE 1SS132
D715B	360K1027	DIODE 1SS132
D715G	360K1027	DIODE 1SS132
D715R	360K1027	DIODE 1SS132
D720	360K1027	DIODE 1SS132
D721	380K5054	VARIATOR MA29W-A (TP)
D722	360K1027	DIODE 1SS132
D760B	360K1032	DIODE 1SS82-TA
D760G	360K1032	DIODE 1SS82-TA
D760R	360K1032	DIODE 1SS82-TA
D761B	360K1032	DIODE 1SS82-TA
D761G	360K1032	DIODE 1SS82-TA
D761R	360K1032	DIODE 1SS82-TA
D781B	360K1032	DIODE 1SS82-TA
D781G	360K1032	DIODE 1SS82-TA
D781R	360K1032	DIODE 1SS82-TA
D782	360K1037	DIODE 1SS83
D801	360K1027	DIODE 1SS132
D802	360K1027	DIODE 1SS132
D803	360K1027	DIODE 1SS132
Z04A1	360A0039	DIODE MTZJ5 6B T-72
Z04A2	360K3694	DIODE RD22ESB(1)/ESAB(1)
Z0401	360A0094	DIODE MTZJ20D
Z0402	360K3602	DIODE RD2 OESB(1)-T4
Z05A2	360A0035	DIODE MTZJ5 1B T-72
Z05A3	360A0056	DIODE MTZJ8 2C T-72
Z05A4	360A0054	DIODE MTZJ8 2A T-72
Z05A5	360A0035	DIODE MTZJ5 1B T-72
Z0502	360K3143	DIODE RD8 2J5B(1)-T4
Z0503	360K3659	DIODE RD9 1ESB(2)-T4
Z0504	360K3834	DIODE MTZ11ABC T-72
Z0507	360K3660	DIODE RD9 1ESB(3)-T4
Z0510	360K3658	DIODE RD9 1ESB(1)-T4
Z0553	360K3134	DIODE RD15EB(2)-T4
Z0557	360K3655	DIODE RD8 2ESB(2)/ESAB(2)
Z0558	360K3655	DIODE RD8 2ESB(2)/ESAB(2)
Z0559	360K3655	DIODE RD8 2ESB(2)/ESAB(2)
ZD560	360K3624	DIODE RD3 9ESB(2)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD561	360K3624	DIODE RD3 9ESB(2)-T4
ZD562	360K3624	DIODE RD3 9ESB(2)-T4
ZD563	360K3635	DIODE RD5 1ESB(2)-T4
ZD570	36003662	DIODE RD10ESB (1)
ZD760	360A0056	DIODE MTZJ8 2C T-72
ZD851	360K3634	DIODE RD5 1ESB(1)-T4
ZD852	360A0030	DIODE MTZJ4 7A T-72
ZD853	360A0038	DIODE MTZJ5 6A T-72
ZD854	360A0009	DIODE MTZJ2 4B T-72

\*\*\* TRANSFORMERS \*\*\*

L507	46206002	TRANS. CHOKE 8MH
T501	45804009	TRANS. H. DRIVE
ΔT502	47710014	TRANS. H. OUT
ΔT503	47105673	F. B. T
T551	46304113	TRANS. CONVERTER

\*\*\* VARIABLE RESISTORS \*\*\*

VR101	41011121	R.VARIABLE B50K
VR102	41011121	R.VARIABLE B50K
VR401	41071359	R.VARIABLE B2 2K
VR402	41071363	R.VARIABLE B10K
VR403	41087010	R.VARIABLE 20K 0.2W
VR404	410G1167	R.VARIABLE B47K
VR431	410G1161	R.VARIABLE B4 7K
VR501	410G1163	R.VARIABLE B10K
VR502	41087006	R.VARIABLE B2K
VR503	41087005	R.VARIABLE B1K
VR505	415K5158	R.VARIABLE B10K
VR551	41071360	R.VARIABLE B3 3K
VR552	41599203	R.VARIABLE B200H
VR701	410G2060	R.VARIABLE B20K
VR702	410G2060	R.VARIABLE B20K
VR703	410G2060	R.VARIABLE B20K
VR704	410G2061	R.VARIABLE B30
VR705	410G2061	R.VARIABLE B30
VR706	410G2061	R.VARIABLE B30
VR707	410G2062	R.VARIABLE B50K
VR708	410G2062	R.VARIABLE B50K
VR709	410G2062	R.VARIABLE B50K

SYMBOL	PARTS NO	DESCRIPTION
VR710	410G2064	R.VARIABLE B200K
VR851	41018255	R.VARIABLE B1K
VR852	41087005	R.VARIABLE B1K
VR854	410G1159	R.VARIABLE B2 2K

\*\*\* RELAYS & SWITCHES \*\*\*

ΔRL501	65660013	RELAY VE 24HME-K
RL502	65660028	RELAY SY-24W-K
SW	65360027	SWITCH, PUSH BUTTON
SW101	653F0033	SWITCH, PUSH BUTTON
SW102	653F0033	SWITCH, PUSH BUTTON
SW103	653F0033	SWITCH, PUSH BUTTON
SW104	653F0033	SWITCH, PUSH BUTTON
SW105	653F0033	SWITCH, PUSH BUTTON
SW106	653F0033	SWITCH, PUSH BUTTON
SW107	653F0033	SWITCH, PUSH BUTTON
SW108	653F0033	SWITCH, PUSH BUTTON
SW109	653F0033	SWITCH, PUSH BUTTON
SW110	653F0033	SWITCH, PUSH BUTTON
SW111	65161059	SWITCH, SLIDE 1-6L-3NS
SW112	65161048	SWITCH, SLIDE

\*\*\* COILS & FILTERS \*\*\*

DG	61315203	COIL, DEGAUSSING
FC701	39013039	C.NETWORK 25V 0.1UF
FC850	39013039	C.NETWORK 25V 0.1UF
FC851	39013041	C.NETWORK 25V 0.1UF
FC852	39013044	C.NETWORK 25V 0.1UF
FC853	39013041	C.NETWORK 25V 0.1UF
FL001	61062076	POWER LINE FILTER
FR850	390C0437	R.NETWORK 3*10K 5% 1/8W
FR851	390C0432	R.NETWORK 6*10K 5% 1/8W
FR852	390C0451	R.NETWORK 10K 5% 1/8W
LC701	390J9027	FILTER ZJSC-R12-100TA
LC702	390J9027	FILTER ZJSC-R12-100TA
LC703	390J9027	FILTER ZJSC-R12-100TA
LC760	616K6945	NOISE FILTER TH18103MA
LC781	616K6027	NOISE FILTER 2A222-TA
LC782	616K6966	NOISE FILTER

SYMBOL	PARTS NO	DESCRIPTION
LC783	616K6028	NOISE FILTER 1H223X-TA
LC801	61606822	NOISE FILTER 50V 47UH
LC802	390J9015	FILTER ZJSC-2R2-101TA
LC803	390J9015	FILTER ZJSC-2R2-101TA
LC804	390J9015	FILTER ZJSC-2R2-101TA
LC805	390J9015	FILTER ZJSC-2R2-101TA
LC850	616K6718	NOISE FILTER 10000UH
LC901	616K6028	NOISE FILTER 1H223X-TA
LC902	616K6075	NOISE FILTER
L401	610F7025	COIL, FILTER 47UH
LSA1	610E1717	COIL, FILTER 10UH
LSA2	610E1717	COIL, FILTER 10UH
LSA3	610E1717	COIL, FILTER 10UH
LSA4	610E1717	COIL, FILTER 10UH
△L501	60919130	COIL, H. LIN
△L502	60919130	COIL, H. LIN
△L503	61070180	COIL, CHOKE 4MH
L504	61070235	FILTER CHOKE 4MH
L505	610F3025	COIL, FILTER 47UH
△L509	610F3025	COIL, FILTER 47UH
△L510	61070181	COIL, CHOKE PJ87-102K
L512	61070181	COIL, CHOKE PJ87-102K
L551	610F3025	COIL, FILTER 47UH
L552	610F3025	COIL, FILTER 47UH
L553	610F7018	COIL, FILTER 12UH
L701B	610E1726	COIL, FILTER 56UH
L701G	610E1726	COIL, FILTER 56UH
L701R	610E1726	COIL, FILTER 56UH
L720	610E1729	COIL, FILTER 100UH
L761	610E1711	COIL, FILTER 3.3UH
L801	610F7010	COIL, FILTER 2.7UH
L901	610F5804	COIL, FILTER 0.47UH
L902	610F5804	COIL, FILTER 0.47UH
L903	610F5804	COIL, FILTER 0.47UH

\*\*\* PWB ASSYS \*\*\*

	84M40C01	VIDEO PWB ASSY
	84M40E01	UNIT PWB ASSY
	84M42F01	MAIN PWB ASSY
	84N44L01	CONTROL PWB ASSY

SYMBOL	PARTS NO	DESCRIPTION
*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***		
CABLE	70032056	CRT SOCKET
VMB-2(H)	74004891	CAP
HS401	73893103	CABLE SIGNAL
	70800066	LINE CORD E-3 #8011
	31709202	SHEET, INSULATOR
HS505	31709507	SHEET, INSULATOR HEAT SINK
HS515	31709505	SHEET, INSULATOR
L506	49801010	INDUCTOR DUMMY
SG901	329J0047	ARRESTER (300V), AT52
SG902	329J0047	ARRESTER (300V), AT52
SG903	329J0047	ARRESTER (300V), AT52
SG904	329J0047	ARRESTER (300V), AT52
SG905	667K6007	SPARK GAP 1.5KV
△SW-PS	31104020	SW. REG UNIT (SMP-120BB-1)
△UNIT2	79100031	UNIT 2 (HV PROTECTOR)
X1	64099072	CRYSTAL RESONATOR

\*\*\* APPEARANCE PARTS \*\*\*

	25313822	CABINET BOTTOM
	25419001	REVOLVING STAND ASSY
	25317611	CABINET FRONT ASSY
	25313791	CABINET BACK ASSY
	25419021	REVOLVING SPINDLE
	25534631	COIL SPRING
	25757643	LABEL (REV.)
	25779931	NAME PLATE, INSTRUCTION

\*\*\* KNOBS & PUSH BUTTONS \*\*\*

	25454671	PUSH BUTTON (SW)
	25454681	KNOB CONTROL
	25454691	KNOB, SLIDE

SYMBOL	PARTS NO	DESCRIPTION
*** PRINTED & PACKING MATERIALS ***		
	24813191	BAG, POLYETHYLENE (150*370)
	25607291	SLIDE SHEET
	25823181	FILLER (T) CARTON
	25823192	FILLER (B) CARTON
	25825501	SHEET, PROTECTION
	25828831	CARTON BOX (JC-1531VMB-2)
	78034408	MONITOR SALES OFFICE LIST
	78127522	INSTRUCTION BOOK

\*\*\* RESISTORS \*\*\*

C790	401J9820	R. CARBON 0 OH
R101	401J9820	R. CARBON 0 OH
R105	401H5671	R. CARBON 820H 5% 1/2W
R106	401K5659	R. CARBON 270H 5% 1/6W
	401K5697	R. CARBON 10K 5% 1/6W
R4A0	404C1723	R. METAL 120K 1% 1/6W
R4A1	404C1704	R. METAL 20K 1% 1/6W
R4A2	404C1723	R. METAL 120K 1% 1/6W
R4A3	404C1704	R. METAL 20K 1% 1/6W
R4A5	404C1723	R. METAL 120K 1% 1/6W
R4A6	404C1723	R. METAL 120K 1% 1/6W
R4A7	404C1697	R. METAL 10K 1% 1/6W
R4A8	404C1733	R. METAL 330K 1% 1/6W
R4A9	404C1727	R. METAL 180K 1% 1/6W
R4C0	404C1727	R. METAL 180K 1% 1/6W
R4C1	404C1727	R. METAL 180K 1% 1/6W
R4C2	404C1727	R. METAL 180K 1% 1/6W
R4C3	404C1727	R. METAL 180K 1% 1/6W
R4C4	404C1727	R. METAL 180K 1% 1/6W
R4C5	404C1727	R. METAL 180K 1% 1/6W
R4C6	401K5731	R. CARBON 270K 5% 1/6W
R4C7	404C1727	R. METAL 180K 1% 1/6W
R4C8	401K5681	R. CARBON 2.2K 5% 1/6W
R4C9	401K5677	R. CARBON 1.5K 5% 1/6W
R4D0	401K5647	R. CARBON 82H 5% 1/6W
R4D1	404C1704	R. METAL 20K 1% 1/6W
R4D2	401K5721	R. CARBON 100K 5% 1/6W
R4D3	401K5625	R. CARBON 10H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R4D5	404C1713	R. METAL 47K 1% 1/6W
R4D6	404C1737	R. METAL 470K 1% 1/6W
R4D7	401K5705	R. CARBON 22K 5% 1/6W
R4D8	404C1728	R. METAL 200K 1% 1/6W
R4D9	401K5689	R. CARBON 4.7K 5% 1/6W
R4E0	401K5705	R. CARBON 22K 5% 1/6W
R4E1	401K5597	R. CARBON 10K 5% 1/6W
R4E2	401K5697	R. CARBON 10K 5% 1/6W
R4E3	401K5697	R. CARBON 10K 5% 1/6W
R4E4	401K5697	R. CARBON 10K 5% 1/6W
R401	401K5709	R. CARBON 33K 5% 1/6W
R402	401K5683	R. CARBON 2.7K 5% 1/6W
R403	403F2103	R. METAL OXIDE 1.2H 5% 2W
R404	404C1703	R. METAL 18K 1% 1/6W
R405	404C1703	R. METAL 18K 1% 1/6W
R406	401K5709	R. CARBON 33K 5% 1/6W
R407	401H5651	R. CARBON 120H 5% 1/2W
R408	401K5611	R. CARBON 2.7H 5% 1/6W
R409	401K5721	R. CARBON 100K 5% 1/6W
△R410	403F2151	R. METAL OXIDE 120H 5% 2W
R411	401G6117	R. CARBON 4.7H 5% 1/4W
R412	401K5689	R. CARBON 4.7K 5% 1/6W
R413	401K5673	R. CARBON 1.0K 5% 1/6W
R414	401K5673	R. CARBON 1.0K 5% 1/6W
R415	401K5661	R. CARBON 330H 5% 1/6W
R420	401K5673	R. CARBON 1.0K 5% 1/6W
R421	404C1728	R. METAL 200K 1% 1/6W
R422	401K5689	R. CARBON 4.7K 5% 1/6W
R423	404C1740	R. METAL 620K 1% 1/6W
R425	404C1700	R. METAL 13K 1% 1/6W
R426	404C1724	R. METAL 130K 1% 1/6W
R427	404C1697	R. METAL 10K 1% 1/6W
R431	401K5689	R. CARBON 4.7K 5% 1/6W
R432	401K5673	R. CARBON 1.0K 5% 1/6W
R433	401K5713	R. CARBON 47K 5% 1/6W
R434	401K5713	R. CARBON 47K 5% 1/6W
R435	401K5689	R. CARBON 4.7K 5% 1/6W
R436	401K5689	R. CARBON 4.7K 5% 1/6W
R437	401K5681	R. CARBON 2.2K 5% 1/6W

JC-153  
VMB-2(H)  
B(EE)-2(H)

SYMBOL	PARTS NO	DESCRIPTION
R5A1	401K5673	R.CARBON 1.0K 5% 1/6W
R5A2	401K5705	R.CARBON 22K 5% 1/5W
R5A3	401K5689	R.CARBON 4.7K 5% 1/6W
R5A4	401K5697	R.CARBON 10K 5% 1/6W
R5A5	401K5691	R.CARBON 5.6K 5% 1/6W
R5A6	401K5705	R.CARBON 22K 5% 1/6W
R5A7	401K5699	R.CARBON 12K 5% 1/6W
R5A8	401K5687	R.CARBON 3.9K 5% 1/6W
R5A9	401K5677	R.CARBON 1.5K 5% 1/6W
R5C0	404C1705	R.METAL 22K 1% 1/6W
R5C1	404C1711	R.METAL 39K 1% 1/6W
R5C3	401K5635	R.CARBON 27H 5% 1/6W
R5C4	401K5689	R.CARBON 4.7K 5% 1/6W
R5C5	401K5683	R.CARBON 2.7K 5% 1/6W
R5C7	404C1699	R.METAL 12K 1% 1/6W
R5C8	404C1684	R.METAL 3.0K 1% 1/6W
R5C9	401K5697	R.CARBON 10K 5% 1/6W
R5D1	401K5745	R.CARBON 1.0M 5% 1/6W
R5D2	404C1697	R.METAL 10K 1% 1/6W
R5D4	401K5697	R.CARBON 10K 5% 1/6W
R5D5	401K5695	R.CARBON 8.2K 5% 1/6W
R5D6	404C1707	R.METAL 27K 1% 1/6W
R5D8	404C1673	R.METAL 1.0K 1% 1/6W
R5D9	404C1685	R.METAL 3.3K 1% 1/6W
R5E1	404C1697	R.METAL 10K 1% 1/6W
R5E2	404C1731	R.METAL 270K 1% 1/6W
R5E3	404C1733	R.METAL 330K 1% 1/6W
R5E4	401K5745	R.CARBON 1.0M 5% 1/6W
△R5E5	401K5693	R.CARBON 6.8K 5% 1/6W
R5E6	401K5709	R.CARBON 33K 5% 1/6W
R5E7	401K5705	R.CARBON 22K 5% 1/6W
R5E8	401K5691	R.CARBON 5.6K 5% 1/6W
R5E9	401K5695	R.CARBON 8.2K 5% 1/6W
R5F0	401K5745	R.CARBON 1.0M 5% 1/6W
R5F1	401K5695	R.CARBON 8.2K 5% 1/6W
R5F2	401K5675	R.CARBON 1.2K 5% 1/6W
R5F3	401K5697	R.CARBON 10K 5% 1/6W
R5F4	401K5715	R.CARBON 56K 5% 1/6W
R5F5	401K5697	R.CARBON 10K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
△R519	401G6101	R.CARBON 1.0H 5% 1/4W
R520	401G6157	R.CARBON 560H 5% 1/4W
△R521	401G6143	R.CARBON 56H 5% 1/4W
R522	401C6657	R.CARBON 220H 5% 1/4W
R523	401C6697	R.CARBON 10K 5% 1/4W
R524	401K5695	R.CARBON 8.2K 5% 1/6W
R525	401K5721	R.CARBON 100K 5% 1/6W
R526	401K5733	R.CARBON 330K 5% 1/6W
R527	404C1695	R.METAL 8.2K 1% 1/5W
R528	404C1673	R.METAL 1.0K 1% 1/6W
R529	401K5697	R.CARBON 10K 5% 1/6W
R530	404C1697	R.METAL 10K 1% 1/6W
R531	401C6677	R.CARBON 1.5K 5% 1/4W
R532	401C6629	R.CARBON 15H 5% 1/4W
△R533	401H5687	R.CARBON 3.9K 5% 1/2W
R534	401K5731	R.CARBON 270K 5% 1/6W
R535	401K5729	R.CARBON 220K 5% 1/6W
△R536	401G6109	R.CARBON 2.2H 5% 1/4W
△R537	401G6109	R.CARBON 2.2H 5% 1/4W
R538	401G6109	R.CARBON 2.2H 5% 1/4W
△R540	403F1107	R.METAL 1.8H 5% 1W
R541	401H5697	R.CARBON 10K 5% 1/2W
R544	401C6673	R.CARBON 1.0K 5% 1/4W
R545	401C6697	R.CARBON 10K 5% 1/4W
R546	401K5733	R.CARBON 330K 5% 1/6W
R547	401K5733	R.CARBON 330K 5% 1/6W
R548	40372133	R.METAL 22H 5% 2W
R549	404C1739	R.METAL 560K 1% 1/6W
R553	401K5689	R.CARBON 4.7K 5% 1/6W
△R554	403F1101	R.METAL OXIDE 1H 5% 1W
△R555	401G6101	R.CARBON 1.0H 5% 1/4W
R559	401K5697	R.CARBON 10K 5% 1/6W
R560	401H5681	R.CARBON 2.2K 5% 1/2W
R561	401H5655	R.CARBON 470H 5% 1/2W
R562	404C1724	R.METAL 130K 1% 1/6W
R563	401K5681	R.CARBON 2.2K 5% 1/6W
△R570	401G6133	R.CARBON 22H 5% 1/4W
△R571	401G6133	R.CARBON 22H 5% 1/4W
R572	401H5693	R.CARBON 6.8K 5% 1/2W
R573	401K5697	R.CARBON 10K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5F6	401K5691	R.CARBON 5.6K 5% 1/6W
R5F7	401K5721	R.CARBON 100K 5% 1/6W
R5F8	401C6761	R.CARBON 4.7M 5% 1/4W
R5F9	401K5721	R.CARBON 100K 5% 1/6W
R5G0	401K5697	R.CARBON 10K 5% 1/6W
R5G1	401K5701	R.CARBON 15K 5% 1/6W
R5G2	401K5705	R.CARBON 22K 5% 1/6W
R5G3	401K5713	R.CARBON 47K 5% 1/6W
R5G4	401K5745	R.CARBON 1.0M 5% 1/6W
R5G5	401K5697	R.CARBON 10K 5% 1/6W
R5G6	401K5691	R.CARBON 5.6K 5% 1/6W
R5G7	401K5697	R.CARBON 10K 5% 1/6W
R5G8	401K5709	R.CARBON 33K 5% 1/6W
R5H2	401K5665	R.CARBON 470H 5% 1/6W
R5H3	401K5697	R.CARBON 10K 5% 1/6W
R5H4	401K5693	R.CARBON 6.8K 5% 1/6W
R5H5	401K5697	R.CARBON 10K 5% 1/6W
R5J0	401H5653	R.CARBON 150H 5% 1/2W
R5J2	403F2165	R.METAL 470H 5% 2W
R5K1	401K5715	R.CARBON 56K 5% 1/6W
R5K2	401K5715	R.CARBON 56K 5% 1/6W
R5K3	401K5715	R.CARBON 56K 5% 1/6W
RL7	401K5697	R.CARBON 10K 5% 1/6W
R501	401K5675	R.CARBON 1.2K 5% 1/6W
R502	401K5661	R.CARBON 330H 5% 1/6W
R504	401C6673	R.CARBON 1.0K 5% 1/4W
R505	401K5673	R.CARBON 1.0K 5% 1/6W
△R506	40175137	R.CARBOX 33H 5% 1/4W
△R507	40801004	R.FUSE 1.0H 500MA
R508A	403F2145	R.METAL 68H 5% 2W
R508B	403F1137	R.METAL 33H 5% 1W
R509	401C6657	R.CARBON 220H 5% 1/4W
R510	40216266	R.WIRE 2.4H 5% 7W
R511	40372107	R.METAL 1.8H 5% 2W
△R512	401H6653	R.CARBON 150H 5% 1/2W
R513	401C6657	R.CARBON 220H 5% 1/4W
R514	401K5649	R.CARBON 100H 5% 1/6W
R515	401K5649	R.CARBON 100H 5% 1/6W
R516	401K5649	R.CARBON 100H 5% 1/6W
△R518	401G6101	R.CARBON 1.0H 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R574	401K5697	R.CARBON 10K 5% 1/6W
R575	401C6689	R.CARBON 4.7K 5% 1/4W
R576	401K5705	R.CARBON 22K 5% 1/6W
R577	401K5673	R.CARBON 1.0K 5% 1/6W
R578	403F1177	R.METAL OXIDE 1.5K 5% 1W
R580	401K5625	R.CARBON 10H 5% 1/6W
R581	401K5625	R.CARBON 10H 5% 1/6W
R582	401K5625	R.CARBON 10H 5% 1/6W
R583	401K5619	R.CARBON 5.6H 5% 1/6W
R591	401K5697	R.CARBON 10K 5% 1/6W
R592	401K5713	R.CARBON 47K 5% 1/6W
R593	401K5697	R.CARBON 10K 5% 1/6W
R594	401K5691	R.CARBON 5.6K 5% 1/6W
R595	401K5721	R.CARBON 100K 5% 1/6W
R701B	404K2646	R.METAL 75H 1% 1/4W
R701C	404K2646	R.METAL 75H 1% 1/4W
R701R	404K2646	R.METAL 75H 1% 1/4W
R702B	401K5695	R.CARBON 8.2K 5% 1/6W
R702G	401K5695	R.CARBON 8.2K 5% 1/6W
R702R	401K5695	R.CARBON 8.2K 5% 1/6W
R703B	401K5697	R.CARBON 10K 5% 1/6W
R703G	401K5697	R.CARBON 10K 5% 1/6W
R703R	401K5697	R.CARBON 10K 5% 1/6W
R704B	401K5659	R.CARBON 270H 5% 1/6W
R704G	401K5659	R.CARBON 270H 5% 1/6W
R704R	401K5659	R.CARBON 270H 5% 1/6W
R705B	401K5667	R.CARBON 560H 5% 1/6W
R705G	401K5667	R.CARBON 560H 5% 1/6W
R705R	401K5667	R.CARBON 560H 5% 1/6W
R706B	401K5673	R.CARBON 1.0K 5% 1/6W
R706G	401K5673	R.CARBON 1.0K 5% 1/6W
R706R	401K5673	R.CARBON 1.0K 5% 1/6W
R710B	401K5653	R.CARBON 150H 5% 1/6W
R710G	401K5653	R.CARBON 150H 5% 1/6W
R710R	401K5653	R.CARBON 150H 5% 1/6W
R711B	401K5669	R.CARBON 680H 5% 1/6W
R711G	401K5669	R.CARBON 680H 5% 1/6W
R711R	401K5669	R.CARBON 680H 5% 1/6W
R712B	401K5649	R.CARBON 100H 5% 1/6W
R712G	401K5649	R.CARBON 100H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R712R	401K5649	R. CARBON 100H 5% 1/6W
R713B	401K5705	R. CARBON 22K 5% 1/6W
R713G	401K5705	R. CARBON 22K 5% 1/6W
R713R	401K5705	R. CARBON 22K 5% 1/6W
R716	401K5695	R. CARBON 8.2K 5% 1/6W
R717	401K5697	R. CARBON 10K 5% 1/6W
R718	401K5649	R. CARBON 100H 5% 1/6W
R720B	401K5687	R. CARBON 3.9K 5% 1/6W
R720G	401K5687	R. CARBON 3.9K 5% 1/6W
R720R	401K5687	R. CARBON 3.9K 5% 1/6W
R721	404C1700	R. METAL 13K 1% 1/6W
R722	404C1705	R. METAL 33K 1% 1/6W
R723	404C1682	R. METAL 2.4K 1% 1/6W
R724	404C1663	R. METAL 390H 1% 1/6W
R726B	401K5669	R. CARBON 680H 5% 1/6W
R726G	401K5669	R. CARBON 680H 5% 1/6W
R726R	401K5669	R. CARBON 680H 5% 1/6W
R727	401K5699	R. CARBON 12K 5% 1/6W
R728	401K5691	R. CARBON 5.6K 5% 1/6W
R729	401K5689	R. CARBON 4.7K 5% 1/6W
R730	401K5689	R. CARBON 4.7K 5% 1/6W
R731B	401J9820	R. CARBON 0.0H
R731R	401J9820	R. CARBON 0.0H
R733	401K5649	R. CARBON 100H 5% 1/6W
R750B	401K5657	R. CARBON 220H 5% 1/6W
R750G	401K5657	R. CARBON 220H 5% 1/6W
R750R	401K5657	R. CARBON 220H 5% 1/6W
R751B	401K5655	R. CARBON 180H 5% 1/6W
R751G	401K5655	R. CARBON 180H 5% 1/6W
R751R	401K5655	R. CARBON 180H 5% 1/6W
R760B	401K5655	R. CARBON 180H 5% 1/6W
R760G	401K5655	R. CARBON 180H 5% 1/6W
R760R	401K5655	R. CARBON 180H 5% 1/6W
R761B	401C6635	R. CARBON 27H 5% 1/4W
R761G	401C6635	R. CARBON 27H 5% 1/4W
R761R	401C6635	R. CARBON 27H 5% 1/4W
R762	401K5667	R. CARBON 560H 5% 1/6W
R771	401K5673	R. CARBON 1.0K 5% 1/6W
R771	401K5673	R. CARBON 1.0K 5% 1/6W
F772	401K5679	R. CARBON 1.8K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R8B1	401K5689	R. CARBON 4.7K 5% 1/6W
R8B2	401K5689	R. CARBON 4.7K 5% 1/6W
R8B3	401K5691	R. CARBON 5.6K 5% 1/6W
R8B4	401K5691	R. CARBON 5.6K 5% 1/6W
R8B5	401K5691	R. CARBON 5.6K 5% 1/6W
R8B6	401K5691	R. CARBON 5.6K 5% 1/6W
R8B7	401K5697	R. CARBON 10K 5% 1/6W
R8B8	401K5721	R. CARBON 100K 5% 1/6W
R8C0	401K5673	R. CARBON 1.0K 5% 1/6W
R8C1	404C1661	R. METAL 330H 1% 1/6W
R8C2	404C1663	R. METAL 390H 1% 1/6W
R8C3	401K5697	R. CARBON 10K 5% 1/6W
R8D0	401K5713	R. CARBON 47K 5% 1/6W
R8E0	401K5679	R. CARBON 1.8K 5% 1/6W
△R8E1	404K5125	R. METAL 10H 5% 1/4W
R801	401K5711	R. CARBON 39K 5% 1/6W
R802	401K5707	R. CARBON 27K 5% 1/6W
R803	401K5679	R. CARBON 1.8K 5% 1/6W
R804	404C1705	R. METAL 22K 1% 1/6W
R805	401K5711	R. CARBON 39K 5% 1/6W
R806	401K5707	R. CARBON 27K 5% 1/6W
R807	401K5679	R. CARBON 1.8K 5% 1/6W
R808	401K5705	R. CARBON 22K 5% 1/6W
R809	401K5707	R. CARBON 27K 5% 1/6W
R810	401K5673	R. CARBON 1.0K 5% 1/6W
R811	401K5673	R. CARBON 1.0K 5% 1/6W
R812	401K5683	R. CARBON 2.7K 5% 1/6W
R813	401K5697	R. CARBON 10K 5% 1/6W
R814	401K5691	R. CARBON 5.6K 5% 1/6W
R815	401K5721	R. CARBON 100K 5% 1/6W
R816	401K5673	R. CARBON 1.0K 5% 1/6W
R817	401K5717	R. CARBON 68K 5% 1/6W
R819	401K5717	R. CARBON 68K 5% 1/6W
R821	401K5653	R. CARBON 150H 5% 1/6W
R822	401K5667	R. CARBON 560H 5% 1/6W
R823	401K5667	R. CARBON 560H 5% 1/6W
R825	401K5667	R. CARBON 560H 5% 1/6W
R826	401K5673	R. CARBON 1.0K 5% 1/6W
R827	401K5673	R. CARBON 1.0K 5% 1/6W
R830	401K5705	R. CARBON 22K 5% 1/6W

JC-153  
 VMB-2(H)/  
 B(EE)-2(H)

SYMBOL	PARTS NO	DESCRIPTION
R774B	401K5663	R. CARBON 390H 5% 1/6W
R774G	401K5663	R. CARBON 390H 5% 1/6W
R774R	401K5663	R. CARBON 390H 5% 1/6W
R775B	401K5673	R. CARBON 1.0K 5% 1/6W
R775G	401K5673	R. CARBON 1.0K 5% 1/6W
R775R	401K5673	R. CARBON 1.0K 5% 1/6W
R776	401K5653	R. CARBON 150H 5% 1/6W
R780B	401K5731	R. CARBON 270K 5% 1/6W
R780G	401K5731	R. CARBON 270K 5% 1/6W
R780R	401K5731	R. CARBON 270K 5% 1/6W
R781B	401K5729	R. CARBON 220K 5% 1/6W
R781G	401K5729	R. CARBON 220K 5% 1/6W
R781R	401K5729	R. CARBON 220K 5% 1/6W
R782B	401K5723	R. CARBON 120K 5% 1/6W
R782G	401K5723	R. CARBON 120K 5% 1/6W
R782R	401K5723	R. CARBON 120K 5% 1/6W
R783B	401K5709	R. CARBON 33K 5% 1/6W
R783G	401K5709	R. CARBON 33K 5% 1/6W
R783R	401K5709	R. CARBON 33K 5% 1/6W
R784B	401K5701	R. CARBON 15K 5% 1/6W
R784G	401K5701	R. CARBON 15K 5% 1/6W
R784R	401K5701	R. CARBON 15K 5% 1/6W
R785B	401K5703	R. CARBON 18K 5% 1/6W
R785G	401K5703	R. CARBON 18K 5% 1/6W
R785R	401K5703	R. CARBON 18K 5% 1/6W
R786	401K5749	R. CARBON 1.5M 5% 1/6W
F787	401K5673	R. CARBON 1.0K 5% 1/6W
R789	401K5753	R. CARBON 2.2M 5% 1/6W
R790	401K5689	R. CARBON 4.7K 5% 1/6W
PT91	401K5697	R. CARBON 10K 5% 1/6W
PT92	401K5685	R. CARBON 3.3K 5% 1/6W
PEA0	404C1708	R. METAL 30K 1% 1/6W
PEA1	404C1697	R. METAL 10K 1% 1/6W
PEA3	401K5697	R. CARBON 10K 5% 1/6W
R8A4	401K5665	R. CARBON 470H 5% 1/6W
R8A5	401K5685	R. CARBON 3.3K 5% 1/6W
R8A6	401K5681	R. CARBON 2.2K 5% 1/6W
R8A8	401K5691	R. CARBON 5.6K 5% 1/6W
R8A9	401K5657	R. CARBON 220H 5% 1/6W
RE90	401K5689	R. CARBON 4.7K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R840	401K5625	R. CARBON 10H 5% 1/6W
R841	401K5659	R. CARBON 270H 5% 1/6W
R841	401K5703	R. CARBON 18K 5% 1/6W
R842	401K5661	R. CARBON 330H 5% 1/6W
R842	401K5671	R. CARBON 820H 5% 1/6W
R843	401K5739	R. CARBON 560K 5% 1/6W
R844	401K5739	R. CARBON 560K 5% 1/6W
R845	401K5739	R. CARBON 560K 5% 1/6W
R846	401K5739	R. CARBON 560K 5% 1/6W
R856	401K5697	R. CARBON 10K 5% 1/6W
R857	401K5713	R. CARBON 47K 5% 1/6W
R859	401K5691	R. CARBON 5.6K 5% 1/6W
R860	401K5691	R. CARBON 5.6K 5% 1/6W
R861	401K5691	R. CARBON 5.6K 5% 1/6W
R865	401K5691	R. CARBON 5.6K 5% 1/6W
R866	401K5691	R. CARBON 5.6K 5% 1/6W
R867	401K5691	R. CARBON 5.6K 5% 1/6W
R868	401K5691	R. CARBON 5.6K 5% 1/6W
R869	401K5691	R. CARBON 5.6K 5% 1/6W
R870	401K5691	R. CARBON 5.6K 5% 1/6W
R871	401K5691	R. CARBON 5.6K 5% 1/6W
R872	401K5691	R. CARBON 5.6K 5% 1/6W
R873	401K5691	R. CARBON 5.6K 5% 1/6W
R874	401K5691	R. CARBON 5.6K 5% 1/6W
R875	401K5691	R. CARBON 5.6K 5% 1/6W
R887	401K5713	R. CARBON 47K 5% 1/6W
R888	401K5673	R. CARBON 1.0K 5% 1/6W
R889	401K5673	R. CARBON 1.0K 5% 1/6W
R890	404C1677	R. METAL 1.5K 1% 1/6W
R891	404C1679	R. METAL 1.8K 1% 1/6W
R892	401K5653	R. CARBON 150H 5% 1/6W
R893	404C1659	R. METAL 270H 1% 1/6W
R894	401K5673	R. CARBON 1.0K 5% 1/6W
R895	404C1659	R. METAL 270H 1% 1/6W
R896	404C1660	R. METAL 300H 1% 1/6W
R897	404C1662	R. METAL 360H 1% 1/6W
R898	40431645	R. METAL 68H 1% 1/6W
R899	401K5673	R. CARBON 1.0K 5% 1/6W
R904	401H5637	R. CARBON 33H 5% 1/2W
R905	401H5637	R. CARBON 33H 5% 1/2W

SYMBOL	PARTS NO	DESCRIPTION
R906	401H5637	R.CARBON 33H 5% 1/2W
R907	401K5633	R.CARBON 22H 5% 1/6W
R908	401H5649	R.CARBON 100H 5% 1/2W
R909	401C6689	R.CARBON 4.7K 5% 1/4W
ZD564	401J9820	R.CARBON 0 OH
ZD565	401J9820	R.CARBON 0 OH

\*\*\* CAPACITORS \*\*\*

C101	421C3479	C.CERAMIC 50V 0.1UF
△C2003	430B6065	C.ELEC 50V 10UF
△C2004	430B6065	C.ELEC 50V 10UF
△C2005	421C0225	C.CERAMIC 50V 0.01UF
C4A1	427F4613	C.FILM 50V 0.01UF
C4A2	427F4614	C.FILM 50V 0.012UF
C4A3	421C3479	C.CERAMIC 50V 0.1UF
C4A4	427F4625	C.FILM 50V 0.1UF
C4A5	421C3479	C.CERAMIC 50V 0.1UF
C4A6	421C3479	C.CERAMIC 50V 0.1UF
C4A7	428B3025	C.METAL FILM 50V 1.0UF
C4A8	421C3479	C.CERAMIC 50V 0.1UF
C4A9	421C3479	C.CERAMIC 50V 0.1UF
C4C0	430B9016	C.ELEC 10V 100UF
C4C1	421C3479	C.CERAMIC 50V 0.1UF
C4C2	430C0065	C.ELEC 35V 10UF
C4C3	430C0065	C.ELEC 35V 10UF
C4C4	421C3479	C.CERAMIC 50V 0.1UF
C4C5	430B6068	C.ELEC 50V 47UF
C4C6	421C3479	C.CERAMIC 50V 0.1UF
C4C7	430B8155	C.ELEC 25V 47UF
C4C8	421C3479	C.CERAMIC 50V 0.1UF
C4C9	430B8155	C.ELEC 25V 47UF
C4E0	421C3479	C.CERAMIC 50V 0.1UF
C4E2	421C3479	C.CERAMIC 50V 0.1UF
C4E4	421C3479	C.CERAMIC 50V 0.1UF
C4E5	421C0213	C.CERAMIC 50V 1000PF
C401	430B9030	C.ELEC 16V 220UF
C402	428B3025	C.METAL FILM 50V 1.0UF
C403	430B9054	C.ELEC 35V 100UF
C404	430B9055	C.ELEC 35V 220UF

C5E4	423A2103	C.CERAMIC 50V 180PF
C5E6	421C3479	C.CERAMIC 50V 0.1UF
C5E7	427F4609	C.FILM 50V 4700PF
C5E8	421D6013	C.CERAMIC 50V 0.1UF
C5E9	421C3479	C.CERAMIC 50V 0.1UF
C5F1	430B6029	C.ELEC 16V 100UF
C5F2	423A2028	C.CERAMIC 50V 20PF
C5F3	427F4601	C.FILM 50V 1000PF
C5F4	421C0225	C.CERAMIC 50V 0.01UF
C5F5	423A2029	C.CERAMIC 50V 22PF
C5F6	421D6013	C.CERAMIC 50V 0.1UF
C5F7	423A2041	C.CERAMIC 50V 68PF
C5F8	421C3479	C.CERAMIC 50V 0.1UF
C5F9	430C0045	C.ELEC 16V 22UF
C5H0	430B6017	C.ELEC 10V 220UF
C5H1	421C2862	C.CERAMIC 25V 0.01UF
C5H2	430B8165	C.ELEC 35V 47UF
C5H3	421A0425	C.CERAMIC 50V 0.01UF
C5H4	421C3479	C.CERAMIC 50V 0.1UF
C5H5	421C3479	C.CERAMIC 50V 0.1UF
C5H6	430B6068	C.ELEC 50V 47UF
C5H7	421C3479	C.CERAMIC 50V 0.1UF
C5H8	430B6041	C.ELEC 25V 47UF
C5H9	421C3479	C.CERAMIC 50V 0.1UF
C5J1	421C3479	C.CERAMIC 50V 0.1UF
C5J3	421C3479	C.CERAMIC 50V 0.1UF
C5K0	421C3479	C.CERAMIC 50V 0.1UF
C5K1	430C0043	C.ELEC 16V 10UF
C503	430C6344	C.ELEC 35V 100UF
△C504	420C9567	C.CERAMIC 500V 2200PF
△C505	42817011	C.METAL FILM 1.4KV 2700PF
△C506	42817010	C.METAL FILM 1.4KV 2400PF
△C507	42839710	C.METAL 400V 0.39UF
△C508	42839301	C.METAL 400V 0.1UF
△C509	42899124	C.METAL FILM 400V 0.33UF
△C510	42843506	C.METAL 400V 0.6UF
△C511	420C9565	C.CERAMIC 500V 1500PF
△C512	420C9563	C.CERAMIC 500V 1000PF
△C513	421C2862	C.CERAMIC 25V 0.01UF
C514	421C2862	C.CERAMIC 25V 0.01UF

SYMBOL	PARTS NO	DESCRIPTION
C405	423A2023	C.CERAMIC 50V 12PF
C406	428B3017	C.METAL FILM 50V 0.22UF
C407	430B9061	C.ELEC 35V 2200UF
C408	428B3024	C.METAL FILM 50V 0.82UF
C410	430B9054	C.ELEC 35V 100UF
C411	427F4666	C.FILM 50V 0.018UF
C421	428B3024	C.METAL FILM 50V 0.82UF
C422	428B3013	C.METAL FILM 50V 0.1UF
C426	421C3479	C.CERAMIC 50V 0.1UF
C427	421C3479	C.CERAMIC 50V 0.1UF
C428	421C3479	C.CERAMIC 50V 0.1UF
C431	430C0045	C.ELEC 16V 22UF
C432	430C0052	C.ELEC 25V 4.7UF
C5A1	43518712	C.TANTALUM 35V 6.8UF
C5A2	427F4616	C.FILM 50V 0.018UF
C5A3	430C0077	C.ELEC 50V 1.0UF
C5A4	427F4607	C.FILM 50V 3300PF
C5A5	423J9017	C.CERAMIC 50V 270PF
C5A6	423J9017	C.CERAMIC 50V 270PF
C5A7	423A2029	C.CERAMIC 50V 22PF
C5A8	421C3479	C.CERAMIC 50V 0.1UF
C5A9	427F6999	C.FILM 50V 470PF
C5C0	421A0425	C.CERAMIC 50V 0.01UF
C5C3	423A2045	C.CERAMIC 50V 100PF
C5C5	421A0425	C.CERAMIC 50V 0.01UF
C5C7	427F8405	C.FILM 100V 2200PF
C5C8	421C3479	C.CERAMIC 50V 0.1UF
C5D1	421C3479	C.CERAMIC 50V 0.1UF
C5D2	430B6068	C.ELEC 50V 47UF
C5D3	423A2037	C.CERAMIC 50V 47PF
C5D4	427F4604	C.FILM 50V 1800PF
C5D5	427F4601	C.FILM 50V 1000PF
C5D6	430B9038	C.ELEC 25V 10UF
C5D7	427F4601	C.FILM 50V 1000PF
C5D8	421C3479	C.CERAMIC 50V 0.1UF
C5D9	430B6017	C.ELEC 10V 220UF
C5E0	427F4601	C.FILM 50V 1000PF
C5E1	433A4043	C.ELEC 35V 4.7UF
C5E2	430B9061	C.ELEC 50V 1.0UF
C5E3	427F4672	C.FILM 50V 0.056UF

C515	421C2862	C.CERAMIC 25V 0.01UF
C516	430B6017	C.ELEC 10V 220UF
C517	430B6017	C.ELEC 10V 220UF
C518	423A2039	C.CERAMIC 50V 56PF
C519	430B9053	C.ELEC 35V 47UF
C520	428CJ022	C.METAL FILM 250V 0.1UF
C521	430J8102	C.ELEC 160V 3.3UF
C522	430J8103	C.ELEC 160V 10UF
C523	430B6512	C.ELEC 160V 1.0UF
C524	420C9571	C.CERAMIC 500V 4700PF
C526	428C2121	C.METAL FILM 50V 0.47UF
C527	428B3025	C.METAL FILM 50V 1.0UF
C528	427F8225	C.FILM 50V 1000PF
C529	427F4675	C.FILM 50V 0.1UF
△C530	42807516	C.FILM 1.6KV 4300PF
△C531	42807516	C.FILM 1.6KV 4300PF
△C532	428CJ022	C.METAL FILM 250V 0.1UF
C533	430B9058	C.ELEC 100V 10 UF
C535	430J8104	C.ELEC 200V 10UF
C537	428CJ022	C.METAL FILM 250V 0.1UF
C539	430B9060	C.ELEC 250V 3.3UF
C540	430B9532	C.ELEC 200V 1.0UF
C541	430B9537	C.ELEC 200V 22UF
C542	421C3479	C.CERAMIC 50V 0.1UF
C545	423A1045	C.CERAMIC 50V 100PF
C548	421C3479	C.CERAMIC 50V 0.1UF
C551	430B9033	C.ELEC 16V 1000UF
C553	430B9053	C.ELEC 35V 47UF
C554	430B9042	C.ELEC 25V 100UF
C555	430B9054	C.ELEC 35V 100UF
C556	430C6347	C.ELEC 35V 470UF
C557	430C6316	C.ELEC 10V 1000UF
C558	430B9019	C.ELEC 10V 470UF
C559	430B9041	C.ELEC 25V 47UF
C561	430B9045	C.ELEC 25V 470UF
C562	430B9030	C.ELEC 16V 220UF
C563	421A0425	C.CERAMIC 50V 0.01UF
C564	430B6030	C.ELEC 16V 220UF
C565	421D6013	C.CERAMIC 50V 0.1UF
C570	430B6016	C.ELEC 10V 100UF

SYMBOL	PARTS NO	DESCRIPTION
C573	430BF046	C.ELEC 25V 1000UF
C591	430B8053	C.ELEC 35V 47UF
C592	430B8533	C.ELEC 200V 2.2UF
C593	428DD417	C.METAL FILM 250V 0.22UF
C701	421D6009	C.CERAMIC 25V 0.1UF
C702B	433A4013	C.ELEC 10V 47UF
C702G	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C703B	421A0425	C.CERAMIC 50V 0.01UF
C703G	421A0425	C.CERAMIC 50V 0.01UF
C703R	421A0425	C.CERAMIC 50V 0.01UF
C704B	430B8145	C.ELEC 16V 100UF
C704G	430B8145	C.ELEC 16V 100UF
C704R	430B8145	C.ELEC 16V 100UF
C705B	430C0065	C.ELEC 35V 10UF
C705G	430C0065	C.ELEC 35V 10UF
C705R	430C0065	C.ELEC 35V 10UF
C706B	430C0065	C.ELEC 35V 10UF
C706G	430C0065	C.ELEC 35V 10UF
C706R	430C0065	C.ELEC 35V 10UF
C707B	430B6042	C.ELEC 25V 100UF
C707G	430B6042	C.ELEC 25V 100UF
C707R	430B6042	C.ELEC 25V 100UF
C708B	430C0065	C.ELEC 35V 10UF
C708G	430C0065	C.ELEC 35V 10UF
C708R	430C0065	C.ELEC 35V 10UF
C709B	421D6009	C.CERAMIC 25V 0.1UF
C709G	421D6009	C.CERAMIC 25V 0.1UF
C709R	421D6009	C.CERAMIC 25V 0.1UF
C710	421D6009	C.CERAMIC 25V 0.1UF
C712	430B9028	C.ELEC 16V 47UF
C713	421D6009	C.CERAMIC 25V 0.1UF
C720B	433A7013	C.ELEC 16V 47UF
C720G	433A7013	C.ELEC 16V 47UF
C720R	433A7013	C.ELEC 16V 47UF
C721B	421C0213	C.CERAMIC 50V 1000PF
C721G	421C0213	C.CERAMIC 50V 1000PF
C721R	421C0213	C.CERAMIC 50V 1000PF
C724B	430B9028	C.ELEC 16V 47UF
C724G	430B9028	C.ELEC 16V 47UF

SYMBOL	PARTS NO	DESCRIPTION
C724R	430B9028	C.ELEC 16V 47UF
C725B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C725R	421C0225	C.CERAMIC 50V 0.01UF
C726B	421C0225	C.CERAMIC 50V 0.01UF
C726G	421C0225	C.CERAMIC 50V 0.01UF
C726R	421C0225	C.CERAMIC 50V 0.01UF
C727	421J5005	C.CERAMIC 25V 0.01UF
C729B	430B9062	C.ELEC 50V 2.2UF
C729G	430B9062	C.ELEC 50V 2.2UF
C729R	430B9062	C.ELEC 50V 2.2UF
C731	421C0225	C.CERAMIC 50V 0.01UF
C732	421C0225	C.CERAMIC 50V 0.01UF
C733	433A7021	C.ELEC 25V 10UF
C750B	421C0225	C.CERAMIC 50V 0.01UF
C750G	421C0225	C.CERAMIC 50V 0.01UF
C750R	421C0225	C.CERAMIC 50V 0.01UF
C751	421C0225	C.CERAMIC 50V 0.01UF
C752	430B9029	C.ELEC 16V 100UF
C760	421D6009	C.CERAMIC 25V 0.1UF
C761	430B9029	C.ELEC 16V 100UF
C762	430B9516	C.ELEC 160V 10UF
C763	420C9563	C.CERAMIC 50V 3300PF
C764B	423A2043	C.CERAMIC 50V 82PF
C764G	423A2043	C.CERAMIC 50V 82PF
C764R	423A2043	C.CERAMIC 50V 82PF
C781B	42840097	C.FILM 250V 0.22UF
C781G	42840097	C.FILM 250V 0.22UF
C781R	42840097	C.FILM 250V 0.22UF
C782B	430B9512	C.ELEC 160V 1.0UF
C782G	430B9512	C.ELEC 160V 1.0UF
C782R	430B9512	C.ELEC 160V 1.0UF
C783B	420C9563	C.CERAMIC 500V 1000PF
C783G	420C9563	C.CERAMIC 500V 1000PF
C783R	420C9563	C.CERAMIC 500V 1000PF
C786	430B9556	C.ELEC 250V 10UF
C787	420C9565	C.CERAMIC 500V 1500PF
C789	427E4163	C.FILM 100V 0.01UF
C792	430B9029	C.ELEC 16V 100UF
C793	430B9032	C.ELEC 16V 470UF

SYMBOL	PARTS NO	DESCRIPTION
C794B	421C0221	C.CERAMIC 50V 4700PF
C794G	421C0221	C.CERAMIC 50V 4700PF
C8A0	430B9016	C.ELEC 10V 100UF
C8A3	421C3479	C.CERAMIC 50V 0.1UF
C8A4	421C3479	C.CERAMIC 50V 0.1UF
C8A5	421C3479	C.CERAMIC 50V 0.1UF
C8A6	421C3479	C.CERAMIC 50V 0.1UF
C8A7	430B8152	C.ELEC 25V 10UF
C8C1	430B6065	C.ELEC 50V 10UF
C8C3	421D6009	C.CERAMIC 25V 0.1UF
C8C4	430B6031	C.ELEC 16V 330UF
C8C5	430B6041	C.ELEC 25V 47UF
C802	433A4023	C.ELEC 16V 22UF
C803	433A4023	C.ELEC 16V 22UF
C804	421D6009	C.CERAMIC 25V 0.1UF
C805	423A2101	C.CERAMIC 50V 120PF
C806	421D6009	C.CERAMIC 25V 0.1UF
C807	430B6042	C.ELEC 25V 100UF
C808	427F4601	C.FILM 50V 1000PF
C809	427F4601	C.FILM 50V 1000PF
C810	427F4609	C.FILM 50V 4700PF
C811	433A4056	C.ELEC 50V 2.2UF
C812	430B6062	C.ELEC 50V 2.2UF
C813	430A4104	C.ELEC 50V 0.68UF
C814	433A4058	C.ELEC 50V 4.7UF
C815	430B6065	C.ELEC 50V 10UF
C816	430B6064	C.ELEC 50V 4.7UF
C817	430B6064	C.ELEC 50V 4.7UF
C818	430B6061	C.ELEC 50V 1.0UF
C819	423A2104	C.CERAMIC 50V 220PF
C840	421C3479	C.CERAMIC 50V 0.1UF
C841	421C3479	C.CERAMIC 50V 0.1UF
C842	421C3479	C.CERAMIC 50V 0.1UF
C855	430B6065	C.ELEC 50V 10UF
C856	423A2015	C.CERAMIC 50V 10PF
C857	423F0013	C.CERAMIC 50V 10PF
C874A	430B8145	C.ELEC 16V 100UF
C874B	421C3479	C.CERAMIC 50V 0.1UF
C880	421C3479	C.CERAMIC 50V 0.1UF
C887	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C888	421C3479	C.CERAMIC 50V 0.1UF
C889	421C3479	C.CERAMIC 50V 0.1UF
C890	421C3479	C.CERAMIC 50V 0.1UF
C892	421C3479	C.CERAMIC 50V 0.1UF
C893	421C3479	C.CERAMIC 50V 0.1UF
C899	430B6041	C.ELEC 25V 47UF
C901	420C9551	C.CERAMIC 500V 1000PF
C902	420C9563	C.CERAMIC 500V 1000PF
C903	420DK108	C.CERAMIC 2KV 10000PF

JC-1531  
VMB-2(H)/  
B(E)-2(H)

# REPLACEMENT PARTS LIST

The components specified for Model JC-1531VMB-2(N)/B(EE)-2(N)

**Note:** The components identified by  $\Delta$  make are critical for safety.

Replace only with parts Number specified.

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* CRT & TUNER \*\*\*

$\Delta$ CRT	33015535	CRT M36KME23XX19(T3)
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\*\*\* ICS \*\*\*

IC4A1	37056963	IC UPC5203CU-025
IC4A2	37056877	IC NJM4200D (MULTIPLIER)
IC4A3	37056877	IC NJM4200D (MULTIPLIER)
IC4A4	37051036	MOS UPD4066BC
IC4A5	37011206	IC XRA10358 (OP-AMP)
IC4A6	37053133	MOS TC74HC123P
IC401	37056689	IC LA7837
$\Delta$ IC5A1	37056217	IC LA7850
IC5A2	37056962	IC UPC5202CU-017
IC5A3	37011262	IC XRA10393 (COMP)
IC5A4	37011262	IC XRA10393 (COMP)
IC5A5	37056961	IC UPC5202CU-014
IC5A6	37011262	IC XRA10393 (COMP)
IC501	37053337	MOS XRU45388 (MULTIPLIER)
IC551	37005210	IC UPC24M18HF (REG)
IC552	37005193	IC PQ12RF11 (REG)
IC553	37005182	IC LM7812C (REG)
IC701	37056814	IC M52035P
IC702	37056923	IC M52307P
IC703	37056872	IC VPS08N
IC704	37011210	IC XRA10324 (Q OP-AMP)
$\Delta$ IC801	37056867	IC M52036SP
IC851	37056973	MOS UPD78C12AGQ-A89-36
IC852	37056813	IC M62359P
IC853	37056812	IC M62362P
IC854	37056812	IC M62362P
IC855	37055401	MOS XRM93C56B-E
IC856	371E1514	IC PST529D-2(T) (VOLTAGE D
IC858	37011206	IC XRA10358 (OP-AMP)
IC859	37056917	IC XRA10324A (Q OP-AMP)
IC864	37903232	IC LM2940CT-5.0

SYMBOL	PARTS NO	DESCRIPTION
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Q551	350E3218	TR 2SC1740S-T R
Q552	35122100	TR 2SK703
Q553	350K5718	TR 2SA933S-T R
Q554	35026216	TR 2SB772 P
Q591	350K4518	TR 2SA933-T R
Q592	35056311	TR 2SC2688 K
Q701B	350J3016	TR 2SC2926S-T P
Q701G	350J3016	TR 2SC2926S-T P
Q701R	350J3016	TR 2SC2926S-T P
Q704	351G0601	TR DTC114ES-T
Q705	350E3218	TR 2SC1740S-T R
Q721	350E3218	TR 2SC1740S-T R
Q722	350K4518	TR 2SA933-T R
Q750B	350J4604	TR 2SC3776-AA D
Q750G	350J4604	TR 2SC3776-AA D
Q750R	350J4604	TR 2SC3776-AA D
Q770	350E3218	TR 2SC1740S-T R
Q771	350E3218	TR 2SC1740S-T R
Q772	350K4518	TR 2SA933-T R
Q780B	350K5217	TR 2SA1018-TA Q
Q780G	350K5217	TR 2SA1018-TA Q
Q780R	350K5217	TR 2SA1018-TA Q
Q781B	350H4417	TR 2SC1473-TA Q
Q781G	350H4417	TR 2SC1473-TA Q
Q781R	350H4417	TR 2SC1473-TA Q
Q801	350K4518	TR 2SA933-T R
Q802	350K4518	TR 2SA933-T R
Q803	351G0652	TR DTC113ZS-T
Q804	351G0602	TR DTC144ES-T
Q805	351G0601	TR DTC114ES-T
Q806	351G0601	TR DTC114ES-T
Q851	351G0656	TR DTC143XS-T
Q852	350E3218	TR 2SC1740S-T R
Q853	35069805	TR 2SD1763 E

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* TRANSISTORS \*\*\*

Q4A1	350E3218	TR 2SC1740S-T R
Q4A2	351G0602	TR DTC144ES-T
Q4A3	350E3218	TR 2SC1740S-T R
Q4A4	351G0601	TR DTC114ES-T
Q401	350J2717	TR 2SC3377-T Q
Q402	359K7618	TR 2SA1515 R
Q404	351G0602	TR DTC144ES-T
Q406	351G0602	TR DTC144ES-T
Q431	350E3218	TR 2SC1740S-T R
Q432	350E3218	TR 2SC1740S-T R
Q5A1	350E3218	TR 2SC1740S-T R
Q5A2	350K5717	TR 2SA933S-T Q
Q5A3	350H5017	TR 2SC3811-TA Q
Q5A5	350E3218	TR 2SC1740S-T R
Q5A6	351G0601	TR DTC114ES-T
Q5F1	350K5717	TR 2SA933S-T Q
Q5H1	350H5018	TR 2SC3811-TA R
Q501	350E3218	TR 2SC1740S-T R
Q502	350K4519	TR 2SA933-T S
Q503	35122700	TR 2SK699
$\Delta$ Q504	35031112	TR 2SB1096 L
Q505	35070100	TR HPA100
Q506	35122500	TR 2SK758
Q507	35122500	TR 2SK758
Q508	35127300	TR 2SK947-M
Q509	351G0656	TR DTC143XS-T
Q510	35125400	TR 1RF9610
Q511	350C1218	TR 2SB1329-T105 R
Q512	350G1018	TR 2SD2005-T105 R
Q513	350E4311	TR 2SC2001-T K
$\Delta$ Q514	350K4412	TR 2SA952 L.AT
Q515	35125500	TR 1RF9610
Q517	35125400	TR 1RF9610
Q518	350E3218	TR 2SC1740S-T R
Q519	350K5718	TR 2SA933S-T R
Q520	350E3218	TR 2SC1740S-T R
Q521	350K5718	TR 2SA933S-T R
Q522	350H5017	TR 2SC3811-TA Q

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* DIODES \*\*\*

D101	360K1027	DIODE 1SS132
D102	360K1027	DIODE 1SS132
D103	360K1027	DIODE 1SS132
D104	360K1027	DIODE 1SS132
D105	360K1027	DIODE 1SS132
D106	360K1027	DIODE 1SS132
D107	360K1027	DIODE 1SS132
D108	360K1027	DIODE 1SS132
D109	360K1027	DIODE 1SS132
D110	360K1027	DIODE 1SS132
D111	360K1027	DIODE 1SS132
D112	360K1027	DIODE 1SS132
D113	360K1027	DIODE 1SS132
D114	360K1027	DIODE 1SS132
D115	360K1027	DIODE 1SS132
D116	360K1027	DIODE 1SS132
D118	36801342	LED GL3EG8
D119	36801331	LED SLR-54MT3F/PO
D120	36801331	LED SLR-54MT3F/PO
$\Delta$ D2004	361K7562	DIODE EGP10G G23
$\Delta$ D2005	361K7562	DIODE EGP10G G23
D401	361K7160	DIODE TVR06G G23
D402	360K1027	DIODE 1SS132
D403	360K1027	DIODE 1SS132
D5A1	360K1027	DIODE 1SS132
D5A2	360K1027	DIODE 1SS132
D5A3	360K1027	DIODE 1SS132
D5A4	360K1027	DIODE 1SS132
D5A5	360K1027	DIODE 1SS132
D5A6	360K1027	DIODE 1SS132
D5A7	360K1027	DIODE 1SS132
D5A8	360K1027	DIODE 1SS132
D5A9	360K1027	DIODE 1SS132
D5C1	369K2136	DIODE RGP10G.AT
D5E1	380K5054	VARIATOR MA29W-A (TP)
D5E2	380K5054	VARIATOR MA29W-A (TP)
D501	36107293	DIODE RK14
D503	36107560	DIODE RG2A2

SYMBOL	PARTS NO	DESCRIPTION
△D504	36107560	DIODE RG2A2
△D505	360K1027	DIODE 1SS132
△D506	360K1027	DIODE 1SS132
D507	360K1027	DIODE 1SS132
D508	36107507	DIODE RG4
D509	361K7160	DIODE TVR06G G23
D510	361K7562	DIODE EGP10G G23
D511	361K7562	DIODE EGP10G G23
D512	361K7562	DIODE EGP10G G23
D513	361K7562	DIODE EGP10G G23
D514	361K7160	DIODE TVR06G G23
D517	360K1027	DIODE 1SS132
D518	36107507	DIODE RG4
D519	361K7160	DIODE TVR06G G23
D521	361K7550	DIODE 1SR35-400A
D522	360K1027	DIODE 1SS132
D523	360K1027	DIODE 1SS132
D551	361K7630	DIODE EU 2YX V1
D552	361K7160	DIODE TVR06G G23
D553	361K7562	DIODE EGP10G G23
D555	360K1027	DIODE 1SS132
D556	360K1027	DIODE 1SS132
D557	361K7562	DIODE EGP10G G23
D558	361K7562	DIODE EGP10G G23
D571	360K1027	DIODE 1SS132
D591	360K1027	DIODE 1SS132
D592	360K1032	DIODE 1SS82-TA
D593	360K1032	DIODE 1SS82-TA
D701	360K1027	DIODE 1SS132
D702	360K1027	DIODE 1SS132
D703	360K1027	DIODE 1SS132
D704	360K1027	DIODE 1SS132
D705	360K1027	DIODE 1SS132
D706	360K1027	DIODE 1SS132
D707	360K1027	DIODE 1SS132
D708	360K1027	DIODE 1SS132
D709	360K1027	DIODE 1SS132
D710	360K1027	DIODE 1SS132
D711	360K1027	DIODE 1SS132

SYMBOL	PARTS NO	DESCRIPTION
D712	360K1027	DIODE 1SS132
D713	360K1027	DIODE 1SS132
D715B	360K1027	DIODE 1SS132
D715G	360K1027	DIODE 1SS132
D715R	360K1027	DIODE 1SS132
D720	360K1027	DIODE 1SS132
D721	380K5054	VARIATOR MA29W-A (TP)
D722	360K1027	DIODE 1SS132
D760B	360K1032	DIODE 1SS82-TA
D760G	360K1032	DIODE 1SS82-TA
D760R	360K1032	DIODE 1SS82-TA
D761B	360K1032	DIODE 1SS82-TA
D761G	360K1032	DIODE 1SS82-TA
D761R	360K1032	DIODE 1SS82-TA
D781B	360K1032	DIODE 1SS82-TA
D781G	360K1032	DIODE 1SS82-TA
D781R	360K1032	DIODE 1SS82-TA
D782	360K1037	DIODE 1SS83
D801	360K1027	DIODE 1SS132
D802	360K1027	DIODE 1SS132
D803	360K1027	DIODE 1SS132
ZD4A1	360A0039	DIODE MTZJ5.6B T-72
ZD4A2	360K3694	DIODE RD22ESB(1)/ESAB(1)
ZD401	360A0094	DIODE MTZJ20D
ZD402	360K3602	DIODE RD2.0ESB(1)-T4
ZD5A2	360A0035	DIODE MTZJ5.1B T-72
ZD5A3	360A0056	DIODE MTZJ8.2C T-72
ZD5A4	360A0054	DIODE MTZJ8.2A T-72
ZD5A5	360A0035	DIODE MTZJ5.1B T-72
ZD502	360K3143	DIODE RD8.2JESB(1)-T4
ZD503	360K3659	DIODE RD9.1ESB(2)-T4
ZD504	360K3834	DIODE MTZ11ABC T-72
ZD507	360K3660	DIODE RD9.1ESB(3)-T4
ZD510	360K3658	DIODE RD9.1ESB(1)-T4
ZD553	360K3134	DIODE RD15EB(2)-T4
ZD557	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD558	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD559	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD560	360K3624	DIODE RD3.9ESB(2)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD561	360K3624	DIODE RD3.9ESB(2)-T4
ZD562	360K3624	DIODE RD3.9ESB(2)-T4
ZD563	360K3635	DIODE RD5.1ESB(2)-T4
ZD570	36003662	DIODE RD10ESB (1)
ZD760	360A0056	DIODE MTZJ8.2C T-72
ZD851	360K3634	DIODE RD5.1ESB(1)-T4
ZD852	360A0030	DIODE MTZJ4.7A T-72
ZD853	360A0038	DIODE MTZJ5.6A T-72
ZD854	360A0009	DIODE MTZJ2.4B T-72

\*\*\* TRANSFORMERS \*\*\*

L507	46206002	TRANS. CHOKE 8MH
T501	45804009	TRANS. H. DRIVE
T502	47710014	TRANS. H. OUT
△T503	47105673	F. B. T
T551	46304113	TRANS. CONVERTER

\*\*\* VARIABLE RESISTORS \*\*\*

VR101	41011121	R. VARIABLE 850K
VR102	41011121	R. VARIABLE 850K
VR401	41071359	R. VARIABLE B2.2K
VR402	41071363	R. VARIABLE B10K
VR403	41087010	R. VARIABLE 20K 0.2W
VR404	410G1167	R. VARIABLE B47K
VR431	410G1161	R. VARIABLE B4.7K
VR501	410G1163	R. VARIABLE B10K
VR502	41087006	R. VARIABLE B2K
VR503	41087005	R. VARIABLE B1K
VR505	415K5158	R. VARIABLE B10K
VR551	41071360	R. VARIABLE B3.3K
VR552	41599203	R. VARIABLE B200H
VR701	410G2060	R. VARIABLE B20K
VR702	410G2060	R. VARIABLE B20K
VR703	410G2060	R. VARIABLE B20K
VR704	410G2061	R. VARIABLE B30
VR705	410G2061	R. VARIABLE B30
VR706	410G2061	R. VARIABLE B30
VR707	410G2062	R. VARIABLE B50K
VR708	410G2062	R. VARIABLE B50K
VR709	410G2062	R. VARIABLE B50K

JC-1531  
VMB-2(N)  
B(EE)-2(N)

SYMBOL	PARTS NO	DESCRIPTION
VR710	410G2064	R. VARIABLE B200K
VR851	41018255	R. VARIABLE B1K
VR852	41087005	R. VARIABLE B1K
VR854	410G1159	R. VARIABLE B2.2K

\*\*\* RELAYS & SWITCHES \*\*\*

△RL501	65660013	RELAY VE 24HME-K
RL502	65660028	RELAY SY-24W-K
SW	65360027	SWITCH. PUSH BUTTON
SW101	653F0033	SWITCH. PUSH BUTTON
SW102	653F0033	SWITCH. PUSH BUTTON
SW103	653F0033	SWITCH. PUSH BUTTON
SW104	653F0033	SWITCH. PUSH BUTTON
SW105	653F0033	SWITCH. PUSH BUTTON
SW106	653F0033	SWITCH. PUSH BUTTON
SW107	653F0033	SWITCH. PUSH BUTTON
SW108	653F0033	SWITCH. PUSH BUTTON
SW109	653F0033	SWITCH. PUSH BUTTON
SW110	653F0033	SWITCH. PUSH BUTTON
SW111	65161059	SWITCH. SLIDE 1-6L-3NS
SW112	65161048	SWITCH. SLIDE

\*\*\* COILS & FILTERS \*\*\*

DG	61315203	COIL. DEGAUSSING
FC701	39013039	C. NETWORK 25V 0.1UF
FC850	39013039	C. NETWORK 25V 0.1UF
FC851	39013041	C. NETWORK 25V 0.1UF
FC852	39013044	C. NETWORK 25V 0.1UF
FC853	39013041	C. NETWORK 25V 0.1UF
FL001	61062076	POWER LINE FILTER
FR850	390C0437	R. NETWORK 3*10K 5% 1/8W
FR851	390C0432	R. NETWORK 6*10K 5% 1/8W
FR852	390C0451	R. NETWORK 10K 5% 1/8W
LC701	390J9027	FILTER ZJSC-R12-100TA
LC702	390J9027	FILTER ZJSC-R12-100TA
LC703	390J9027	FILTER ZJSC-R12-100TA
LC760	616K6945	NOISE FILTER TH18103MA
LC781	616K6027	NOISE FILTER 2A222-TA
LC782	616K6966	NOISE FILTER

SYMBOL	PARTS NO	DESCRIPTION
LC783	616K6028	NOISE FILTER 1H223X-TA
LC801	61606822	NOISE FILTER 50V 47UH
LC802	390J9015	FILTER ZJSC-2R2-101TA
LC803	390J9015	FILTER ZJSC-2R2-101TA
LC804	390J9015	FILTER ZJSC-2R2-101TA
LC805	390J9015	FILTER ZJSC-2R2-101TA
LC850	616K5718	NOISE FILTER 10000UH
LC901	616K6028	NOISE FILTER 1H223X-TA
LC902	616K6075	NOISE FILTER
L401	610F7025	COIL.FILTER 47UH
LSA1	610E1717	COIL.FILTER 10UH
LSA2	610E1717	COIL.FILTER 10UH
LSA3	610E1717	COIL.FILTER 10UH
LSA4	610E1717	COIL.FILTER 10UH
△LS01	60919128	COIL.H LIN
△LS02	60919129	COIL.H LIN
△LS03	61070180	COIL.CHOKE 4MH
LS04	61070235	FILTER CHOKE 4MH
LS05	610F3025	COIL.FILTER 47UH
LS09	610F3025	COIL.FILTER 47UH
△LS10	61070181	COIL.CHOKE PJ87-102K
LS12	61070181	COIL.CHOKE PJ87-102K
LS51	610F3025	COIL.FILTER 47UH
LS52	610F3025	COIL.FILTER 47UH
LS53	610F7018	COIL.FILTER 12UH
L701B	610E1726	COIL.FILTER 56UH
L701G	610E1726	COIL.FILTER 56UH
L701R	610E1726	COIL.FILTER 56UH
L720	610E1729	COIL.FILTER 100UH
L761	610E1711	COIL.FILTER 3.3UH
L801	610F7010	COIL.FILTER 2.7UH
L901	610F5804	COIL.FILTER 0.47UH
L902	610F5804	COIL.FILTER 0.47UH
L903	610F5804	COIL.FILTER 0.47UH

\*\*\* PWB ASSYS \*\*\*

	84M40C01	VIDEO PWB ASSY
	84M40E01	UNIT PWB ASSY
	84M40F01	MAIN PWB ASSY
	84N44L01	CONTROL PWB ASSY

SYMBOL	PARTS NO	DESCRIPTION
*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***		
CABLE	70032056	CRT SOCKET
VMA-2(H)	74004891	CAP
HS401	73893103	CABLE SIGNAL
	70800066	LINE CORD E-3 #8011
	31709202	SHEET.INSULATOR
HS505	31709507	SHEET.INSULATOR HEAT SINK
HS515	31709505	SHEET.INSULATOR
LS06	49801010	INDUCTOR DUMMY
SG901	329J0047	ARRESTER (300V).AT52
SG902	329J0047	ARRESTER (300V).AT52
SG903	329J0047	ARRESTER (300V).AT52
SG904	329J0047	ARRESTER (300V).AT52
SG905	667K6007	SPARK GAP 1.5KV
△SW-PS	31104020	SW. REG. UNIT (SMP-120BB-1)
UNIT2	79100031	UNIT 2 (HV PROTECTOR)
XI	64099072	CRYSTAL RESONATOR

\*\*\* APPEARANCE PARTS \*\*\*

	25313822	CABINET BOTTOM
	25419001	REVOLVING STAND ASSY
	25317611	CABINET FRONT ASSY
	25313791	CABINET BACK ASSY
	25419021	REVOLVING SPINDLE
	25534631	COIL SPRING
	25757643	LABEL(REV.)
	25779931	NAME PLATE. INSTRUCTION

\*\*\* KNOBS & PUSH BUTTONS \*\*\*

	25454671	PUSH BUTTON (SW)
	25454681	KNOB CONTROL
	25454691	KNOB.SLIDE

SYMBOL	PARTS NO	DESCRIPTION
*** PRINTED & PACKING MATERIALS ***		
	24813191	BAG.POLYETHYLENE(150*370)
	25607291	SLIDE SHEET
	25823181	FILLER (T) CARTON
	25823192	FILLER (B) CARTON
	25825501	SHEET.PROTECTION
	25828831	CARTON BOX(JC-1531VMB-2)
	78034408	MONITOR SALES OFFICE LIST
	78127522	INSTRUCTION BOOK

\*\*\* RESISTORS \*\*\*

C790	401J9820	R.CARBON 0 OH
R101	401J9820	R.CARBON 0 OH
R105	401H5671	R.CARBON 820H 5% 1/2W
R106	401K5659	R.CARBON 270H 5% 1/6W
	401K5697	R.CARBON 10K 5% 1/6W
R4A0	404C1723	R.METAL 120K 1% 1/6W
R4A1	404C1704	R.METAL 20K 1% 1/6W
R4A2	404C1723	R.METAL 120K 1% 1/6W
R4A3	404C1704	R.METAL 20K 1% 1/6W
R4A5	404C1723	R.METAL 120K 1% 1/6W
R4A6	404C1723	R.METAL 120K 1% 1/6W
R4A7	404C1697	R.METAL 10K 1% 1/6W
R4A8	404C1733	R.METAL 330K 1% 1/6W
R4A9	404C1727	R.METAL 180K 1% 1/6W
R4C0	404C1727	R.METAL 180K 1% 1/6W
R4C1	404C1727	R.METAL 180K 1% 1/6W
R4C2	404C1727	R.METAL 180K 1% 1/6W
R4C3	404C1727	R.METAL 180K 1% 1/6W
R4C4	404C1727	R.METAL 180K 1% 1/6W
R4C5	404C1727	R.METAL 180K 1% 1/6W
R4C6	401K5731	R.CARBON 270K 5% 1/6W
R4C7	404C1727	R.METAL 180K 1% 1/6W
R4C8	401K5681	R.CARBON 2.2K 5% 1/6W
R4C9	401K5677	R.CARBON 1.5K 5% 1/6W
R4D0	401K5647	R.CARBON 82H 5% 1/6W
R4D1	404C1704	R.METAL 20K 1% 1/6W
R4D2	401K5721	R.CARBON 100K 5% 1/6W
R4D3	401K5625	R.CARBON 10H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R4D5	404C1713	R.METAL 47K 1% 1/6W
R4D6	404C1737	R.METAL 470K 1% 1/6W
R4D7	401K5705	R.CARBON 22K 5% 1/6W
R4D8	404C1728	R.METAL 200K 1% 1/6W
R4D9	401K5689	R.CARBON 4.7K 5% 1/6W
R4E0	401K5705	R.CARBON 22K 5% 1/6W
R4E1	401K5697	R.CARBON 10K 5% 1/6W
R4E2	401K5697	R.CARBON 10K 5% 1/6W
R4E3	401K5697	R.CARBON 10K 5% 1/6W
R4E4	401K5697	R.CARBON 10K 5% 1/6W
R401	401K5709	R.CARBON 33K 5% 1/6W
R402	401K5683	R.CARBON 2.7K 5% 1/6W
R403	403F2103	R.METAL OXIDE 1.2H 5% 2W
R404	404C1703	R.METAL 18K 1% 1/6W
R405	404C1703	R.METAL 18K 1% 1/6W
R406	401K5709	R.CARBON 33K 5% 1/6W
R407	401H5653	R.CARBON 150H 5% 1/2W
R408	401K5611	R.CARBON 2.7H 5% 1/6W
R409	401K5721	R.CARBON 100K 5% 1/6W
R410	403F2151	R.METAL OXIDE 120H 5% 2W
△R411	401G6117	R.CARBON 4.7H 5% 1/4W
R412	401K5689	R.CARBON 4.7K 5% 1/6W
R413	401K5673	R.CARBON 1.0K 5% 1/6W
R414	401K5673	R.CARBON 1.0K 5% 1/6W
R415	401K5661	R.CARBON 330H 5% 1/6W
R420	401K5673	R.CARBON 1.0K 5% 1/6W
R421	404C1728	R.METAL 200K 1% 1/6W
R422	401K5689	R.CARBON 4.7K 5% 1/6W
R423	404C1740	R.METAL 620K 1% 1/6W
R425	404C1700	R.METAL 13K 1% 1/6W
R426	404C1724	R.METAL 130K 1% 1/6W
R427	404C1697	R.METAL 10K 1% 1/6W
R431	401K5689	R.CARBON 4.7K 5% 1/6W
R432	401K5673	R.CARBON 1.0K 5% 1/6W
R433	401K5713	R.CARBON 47K 5% 1/6W
R434	401K5713	R.CARBON 47K 5% 1/6W
R435	401K5689	R.CARBON 4.7K 5% 1/6W
R436	401K5689	R.CARBON 4.7K 5% 1/6W
R437	401K5681	R.CARBON 2.2K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5A1	401K5673	R.CARBON 1.0K 5% 1/6W
R5A2	401K5705	R.CARBON 22K 5% 1/6W
R5A3	401K5689	R.CARBON 4.7K 5% 1/6W
R5A4	401K5697	R.CARBON 10K 5% 1/6W
R5A5	401K5691	R.CARBON 5.6K 5% 1/6W
R5A6	401K5705	R.CARBON 22K 5% 1/6W
R5A7	401K5699	R.CARBON 12K 5% 1/6W
R5A8	401K5687	R.CARBON 3.9K 5% 1/6W
R5A9	401K5677	R.CARBON 1.5K 5% 1/6W
R5C0	404C1705	R.METAL 22K 1% 1/6W
R5C1	404C1711	R.METAL 39K 1% 1/6W
R5C3	401K5635	R.CARBON 27H 5% 1/6W
R5C4	401K5689	R.CARBON 4.7K 5% 1/6W
R5C5	401K5683	R.CARBON 2.7K 5% 1/6W
R5C7	404C1699	R.METAL 12K 1% 1/6W
R5C8	404C1684	R.METAL 3.0K 1% 1/6W
R5C9	401K5697	R.CARBON 10K 5% 1/6W
R5D1	401K5745	R.CARBON 1.0M 5% 1/6W
R5D2	404C1697	R.METAL 10K 1% 1/6W
R5D4	401K5697	R.CARBON 10K 5% 1/6W
R5D5	401K5695	R.CARBON 8.2K 5% 1/6W
R5D6	404C1707	R.METAL 27K 1% 1/6W
R5D8	404C1673	R.METAL 1.0K 1% 1/6W
R5D9	404C1685	R.METAL 3.3K 1% 1/6W
R5E1	404C1697	R.METAL 10K 1% 1/6W
R5E2	404C1731	R.METAL 270K 1% 1/6W
R5E3	404C1733	R.METAL 330K 1% 1/6W
R5E4	401K5745	R.CARBON 1.0M 5% 1/6W
△R5E5	401K5693	R.CARBON 6.8K 5% 1/6W
R5E6	401K5709	R.CARBON 33K 5% 1/6W
R5E7	401K5705	R.CARBON 22K 5% 1/6W
R5E8	401K5691	R.CARBON 5.6K 5% 1/6W
R5E9	401K5695	R.CARBON 8.2K 5% 1/6W
R5F0	401K5745	R.CARBON 1.0M 5% 1/6W
R5F1	401K5695	R.CARBON 8.2K 5% 1/6W
R5F2	401K5675	R.CARBON 1.2K 5% 1/6W
R5F3	401K5697	R.CARBON 10K 5% 1/6W
R5F4	401K5715	R.CARBON 56K 5% 1/6W
R5F5	401K5697	R.CARBON 10K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
△R519	401G6101	R.CARBON 1.0H 5% 1/4W
R520	401G6167	R.CARBON 560H 5% 1/4W
△R521	401G6143	R.CARBON 56H 5% 1/4W
R522	401C6657	R.CARBON 220H 5% 1/4W
R523	401C6697	R.CARBON 10K 5% 1/4W
R524	401K5695	R.CARBON 8.2K 5% 1/6W
R525	401K5721	R.CARBON 100K 5% 1/6W
R526	401K5733	R.CARBON 330K 5% 1/6W
R527	404C1695	R.METAL 8.2K 1% 1/6W
R528	404C1673	R.METAL 1.0K 1% 1/6W
R529	401K5697	R.CARBON 10K 5% 1/6W
R530	404C1697	R.METAL 10K 1% 1/6W
R531	401C6677	R.CARBON 1.5K 5% 1/4W
R532	401C6629	R.CARBON 15H 5% 1/4W
△R533	401H5687	R.CARBON 3.9K 5% 1/2W
R534	401K5731	R.CARBON 270K 5% 1/6W
R535	401K5729	R.CARBON 220K 5% 1/6W
△R536	401G6109	R.CARBON 2.2H 5% 1/4W
△R537	401G6109	R.CARBON 2.2H 5% 1/4W
R538	401G6109	R.CARBON 2.2H 5% 1/4W
R540	403F1107	R.METAL 1.8H 5% 1W
△R541	401H5697	R.CARBON 10K 5% 1/2W
R544	401C6673	R.CARBON 1.0K 5% 1/4W
R545	401C6697	R.CARBON 10K 5% 1/4W
R546	401K5733	R.CARBON 330K 5% 1/6W
R547	401K5733	R.CARBON 330K 5% 1/6W
R548	40372133	R.METAL 22H 5% 2W
R549	404C1739	R.METAL 560K 1% 1/6W
R553	401K5689	R.CARBON 4.7K 5% 1/6W
△R554	403F1101	R.METAL OXIDE 1H 5% 1W
△R555	401G6101	R.CARBON 1.0H 5% 1/4W
R559	401K5697	R.CARBON 10K 5% 1/6W
R560	401H5681	R.CARBON 2.2K 5% 1/2W
R561	401H5665	R.CARBON 470H 5% 1/2W
R562	404C1724	R.METAL 130K 1% 1/6W
R563	401K5681	R.CARBON 2.2K 5% 1/6W
R570	401G6133	R.CARBON 22H 5% 1/4W
△R571	401G6133	R.CARBON 22H 5% 1/4W
R572	401H5693	R.CARBON 6.8K 5% 1/2W
R573	401K5697	R.CARBON 10K 5% 1/6W

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B(E)-2(N)

SYMBOL	PARTS NO	DESCRIPTION
R5F6	401K5691	R.CARBON 5.6K 5% 1/6W
R5F7	401K5721	R.CARBON 100K 5% 1/6W
R5F8	401C6761	R.CARBON 4.7M 5% 1/4W
R5F9	401K5721	R.CARBON 100K 5% 1/6W
R5G0	401K5697	R.CARBON 10K 5% 1/6W
R5G1	401K5701	R.CARBON 15K 5% 1/6W
R5G2	401K5705	R.CARBON 22K 5% 1/6W
R5G3	401K5713	R.CARBON 47K 5% 1/6W
R5G4	401K5745	R.CARBON 1.0M 5% 1/6W
R5G5	401K5697	R.CARBON 10K 5% 1/6W
R5G6	401K5691	R.CARBON 5.6K 5% 1/6W
R5G7	401K5697	R.CARBON 10K 5% 1/6W
R5G8	401K5709	R.CARBON 33K 5% 1/6W
R5H2	401K5665	R.CARBON 470H 5% 1/6W
R5H3	401K5697	R.CARBON 10K 5% 1/6W
R5H4	401K5693	R.CARBON 6.8K 5% 1/6W
R5H5	401K5697	R.CARBON 10K 5% 1/6W
R5J0	401H5653	R.CARBON 150H 5% 1/2W
R5J2	403F2165	R.METAL 470H 5% 2W
R5K1	401K5715	R.CARBON 56K 5% 1/6W
R5K2	401K5715	R.CARBON 56K 5% 1/6W
R5K3	401K5715	R.CARBON 56K 5% 1/6W
R5L7	401K5697	R.CARBON 10K 5% 1/6W
R5O1	401K5675	R.CARBON 1.2K 5% 1/6W
R5O2	401K5661	R.CARBON 330H 5% 1/6W
R5O4	401C6673	R.CARBON 1.0K 5% 1/4W
R5O5	401K5673	R.CARBON 1.0K 5% 1/6W
△R5O6	40175137	R.CARBOX 33H 5% 1/4W
△R5O7	40801004	R.FUSE 1.0H 500MA
R5O8A	403F2145	R.METAL 68H 5% 2W
R5O8B	403F1137	R.METAL 33H 5% 1W
R5O9	401C6657	R.CARBON 220H 5% 1/4W
R5I0	40216266	R.WIRE 2.4H 5% 7W
R5I1	40372107	R.METAL 1.8H 5% 2W
△R5I2	401C6651	R.CARBON 120H 5% 1/4W
R5I3	401C6657	R.CARBON 220H 5% 1/4W
R5I4	401K5649	R.CARBON 100H 5% 1/6W
R5I5	401K5649	R.CARBON 100H 5% 1/6W
R5I6	401K5649	R.CARBON 100H 5% 1/6W
△R5I8	401G6101	R.CARBON 1.0H 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R5T4	401K5697	R.CARBON 10K 5% 1/6W
R5T5	401C6689	R.CARBON 4.7K 5% 1/4W
R5T6	401K5705	R.CARBON 22K 5% 1/6W
R5T7	401K5673	R.CARBON 1.0K 5% 1/6W
R5T8	403F1177	R.METAL OXIDE 1.5K 5% 1W
R580	401K5625	R.CARBON 10H 5% 1/6W
R581	401K5625	R.CARBON 10H 5% 1/6W
R582	401K5625	R.CARBON 10H 5% 1/6W
R583	401K5619	R.CARBON 5.6H 5% 1/6W
R591	401K5697	R.CARBON 10K 5% 1/6W
R592	401K5713	R.CARBON 47K 5% 1/6W
R593	401K5697	R.CARBON 10K 5% 1/6W
R594	401K5691	R.CARBON 5.6K 5% 1/6W
R595	401K5721	R.CARBON 100K 5% 1/6W
R701B	404K2646	R.METAL 75H 1% 1/4W
R701G	404K2646	R.METAL 75H 1% 1/4W
R701R	404K2646	R.METAL 75H 1% 1/4W
R702B	401K5695	R.CARBON 8.2K 5% 1/6W
R702G	401K5695	R.CARBON 8.2K 5% 1/6W
R702R	401K5695	R.CARBON 8.2K 5% 1/6W
R703B	401K5697	R.CARBON 10K 5% 1/6W
R703G	401K5697	R.CARBON 10K 5% 1/6W
R703R	401K5697	R.CARBON 10K 5% 1/6W
R704B	401K5659	R.CARBON 270H 5% 1/6W
R704G	401K5659	R.CARBON 270H 5% 1/6W
R704R	401K5659	R.CARBON 270H 5% 1/6W
R705B	401K5667	R.CARBON 560H 5% 1/6W
R705G	401K5667	R.CARBON 560H 5% 1/6W
R705R	401K5667	R.CARBON 560H 5% 1/6W
R706B	401K5673	R.CARBON 1.0K 5% 1/6W
R706G	401K5673	R.CARBON 1.0K 5% 1/6W
R706R	401K5673	R.CARBON 1.0K 5% 1/6W
R710B	401K5653	R.CARBON 150H 5% 1/6W
R710G	401K5653	R.CARBON 150H 5% 1/6W
R710R	401K5653	R.CARBON 150H 5% 1/6W
R711B	401K5669	R.CARBON 680H 5% 1/6W
R711G	401K5669	R.CARBON 680H 5% 1/6W
R711R	401K5669	R.CARBON 680H 5% 1/6W
R712B	401K5649	R.CARBON 100H 5% 1/6W
R712G	401K5649	R.CARBON 100H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R712R	401K5649	R. CARBON 100H 5% 1/6W
R713B	401K5705	R. CARBON 22K 5% 1/6W
R713G	401K5705	R. CARBON 22K 5% 1/6W
R713R	401K5705	R. CARBON 22K 5% 1/6W
R716	401K5695	R. CARBON 8.2K 5% 1/6W
R717	401K5697	R. CARBON 10K 5% 1/6W
R718	401K5649	R. CARBON 100H 5% 1/6W
R720B	401K5687	R. CARBON 3.9K 5% 1/6W
R720G	401K5687	R. CARBON 3.9K 5% 1/6W
R720R	401K5687	R. CARBON 3.9K 5% 1/6W
R721	404C1700	R. METAL 13K 1% 1/6W
R722	404C1709	R. METAL 33K 1% 1/6W
R723	404C1682	R. METAL 2.4K 1% 1/6W
R724	404C1663	R. METAL 390H 1% 1/6W
R726B	401K5669	R. CARBON 680H 5% 1/6W
R726G	401K5669	R. CARBON 680H 5% 1/6W
R726R	401K5669	R. CARBON 680H 5% 1/6W
R727	401K5699	R. CARBON 12K 5% 1/6W
R728	401K5691	R. CARBON 5.6K 5% 1/6W
R729	401K5689	R. CARBON 4.7K 5% 1/6W
R730	401K5689	R. CARBON 4.7K 5% 1/6W
R731B	401J9820	R. CARBON 0.0H
R731R	401J9820	R. CARBON 0.0H
R733	401K5649	R. CARBON 100H 5% 1/6W
R750B	401K5657	R. CARBON 220H 5% 1/6W
R750G	401K5657	R. CARBON 220H 5% 1/6W
R750R	401K5657	R. CARBON 220H 5% 1/6W
R751B	401K5655	R. CARBON 180H 5% 1/6W
R751G	401K5655	R. CARBON 180H 5% 1/6W
R751R	401K5655	R. CARBON 180H 5% 1/6W
R760B	401K5655	R. CARBON 180H 5% 1/6W
R760G	401K5655	R. CARBON 180H 5% 1/6W
R760R	401K5655	R. CARBON 180H 5% 1/6W
R761B	401C6635	R. CARBON 27H 5% 1/4W
R761G	401C6635	R. CARBON 27H 5% 1/4W
R761R	401C6635	R. CARBON 27H 5% 1/4W
R762	401K5667	R. CARBON 560H 5% 1/6W
R770	401K5673	R. CARBON 1.0K 5% 1/6W
R771	401K5673	R. CARBON 1.0K 5% 1/6W
R772	401K5679	R. CARBON 1.8K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R881	401K5689	R. CARBON 4.7K 5% 1/6W
R882	401K5689	R. CARBON 4.7K 5% 1/6W
R883	401K5691	R. CARBON 5.6K 5% 1/6W
R884	401K5691	R. CARBON 5.6K 5% 1/6W
R885	401K5691	R. CARBON 5.6K 5% 1/6W
R886	401K5691	R. CARBON 5.6K 5% 1/6W
R887	401K5697	R. CARBON 10K 5% 1/6W
R888	401K5721	R. CARBON 100K 5% 1/6W
R8C0	401K5673	R. CARBON 1.0K 5% 1/6W
R8C1	404C1661	R. METAL 330H 1% 1/6W
R8C2	404C1663	R. METAL 390H 1% 1/6W
R8C3	401K5697	R. CARBON 10K 5% 1/6W
R8D0	401K5713	R. CARBON 47K 5% 1/6W
R8E0	401K5679	R. CARBON 1.8K 5% 1/6W
△R8E1	404K5125	R. METAL 10H 5% 1/4W
R801	401K5711	R. CARBON 39K 5% 1/6W
R802	401K5707	R. CARBON 27K 5% 1/6W
R803	401K5679	R. CARBON 1.8K 5% 1/6W
R804	404C1705	R. METAL 22K 1% 1/6W
R805	401K5711	R. CARBON 39K 5% 1/6W
R806	401K5707	R. CARBON 27K 5% 1/6W
R807	401K5679	R. CARBON 1.8K 5% 1/6W
R808	401K5705	R. CARBON 22K 5% 1/6W
R809	401K5707	R. CARBON 27K 5% 1/6W
R810	401K5673	R. CARBON 1.0K 5% 1/6W
R811	401K5673	R. CARBON 1.0K 5% 1/6W
R812	401K5683	R. CARBON 2.7K 5% 1/6W
R813	401K5697	R. CARBON 10K 5% 1/6W
R814	401K5691	R. CARBON 5.6K 5% 1/6W
R815	401K5721	R. CARBON 100K 5% 1/6W
R816	401K5673	R. CARBON 1.0K 5% 1/6W
R817	401K5717	R. CARBON 68K 5% 1/6W
R819	401K5717	R. CARBON 68K 5% 1/6W
R821	401K5653	R. CARBON 150H 5% 1/6W
R822	401K5667	R. CARBON 560H 5% 1/6W
R823	401K5667	R. CARBON 560H 5% 1/6W
R825	401K5667	R. CARBON 560H 5% 1/6W
R826	401K5673	R. CARBON 1.0K 5% 1/6W
R827	401K5673	R. CARBON 1.0K 5% 1/6W
R830	401K5705	R. CARBON 22K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R774B	401K5663	R. CARBON 390H 5% 1/6W
R774G	401K5663	R. CARBON 390H 5% 1/6W
R774R	401K5663	R. CARBON 390H 5% 1/6W
R775B	401K5673	R. CARBON 1.0K 5% 1/6W
R775G	401K5673	R. CARBON 1.0K 5% 1/6W
R775R	401K5673	R. CARBON 1.0K 5% 1/6W
R776	401K5653	R. CARBON 150H 5% 1/6W
R780B	401K5731	R. CARBON 270K 5% 1/6W
R780G	401K5731	R. CARBON 270K 5% 1/6W
R780R	401K5731	R. CARBON 270K 5% 1/6W
R781B	401K5729	R. CARBON 220K 5% 1/6W
R781G	401K5729	R. CARBON 220K 5% 1/6W
R781R	401K5729	R. CARBON 220K 5% 1/6W
R782B	401K5723	R. CARBON 120K 5% 1/6W
R782G	401K5723	R. CARBON 120K 5% 1/6W
R782R	401K5723	R. CARBON 120K 5% 1/6W
R783B	401K5709	R. CARBON 33K 5% 1/6W
R783G	401K5709	R. CARBON 33K 5% 1/6W
R783R	401K5709	R. CARBON 33K 5% 1/6W
R784B	401K5701	R. CARBON 15K 5% 1/6W
R784G	401K5701	R. CARBON 15K 5% 1/6W
R784R	401K5701	R. CARBON 15K 5% 1/6W
R785B	401K5703	R. CARBON 18K 5% 1/6W
R785G	401K5703	R. CARBON 18K 5% 1/6W
R785R	401K5703	R. CARBON 18K 5% 1/6W
R786	401K5749	R. CARBON 1.5M 5% 1/6W
R787	401K5673	R. CARBON 1.0K 5% 1/6W
R789	401K5753	R. CARBON 2.2M 5% 1/6W
R790	401K5689	R. CARBON 4.7K 5% 1/6W
R791	401K5697	R. CARBON 10K 5% 1/6W
R792	401K5685	R. CARBON 3.3K 5% 1/6W
R8A0	404C1708	R. METAL 30K 1% 1/6W
R8A1	404C1697	R. METAL 10K 1% 1/6W
R8A3	401K5697	R. CARBON 10K 5% 1/6W
R8A4	401K5665	R. CARBON 470H 5% 1/6W
R8A5	401K5685	R. CARBON 3.3K 5% 1/6W
R8A6	401K5681	R. CARBON 2.2K 5% 1/6W
R8A8	401K5691	R. CARBON 5.6K 5% 1/6W
R8A9	401K5657	R. CARBON 220H 5% 1/6W
R8B0	401K5689	R. CARBON 4.7K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R840	401K5625	R. CARBON 10H 5% 1/6W
R841	401K5659	R. CARBON 270H 5% 1/6W
R841	401K5703	R. CARBON 18K 5% 1/6W
R842	401K5661	R. CARBON 330H 5% 1/6W
R842	401K5671	R. CARBON 820H 5% 1/6W
R843	401K5739	R. CARBON 560K 5% 1/6W
R844	401K5739	R. CARBON 560K 5% 1/6W
R845	401K5739	R. CARBON 560K 5% 1/6W
R846	401K5739	R. CARBON 560K 5% 1/6W
R856	401K5697	R. CARBON 10K 5% 1/6W
R857	401K5713	R. CARBON 47K 5% 1/6W
R859	401K5691	R. CARBON 5.6K 5% 1/6W
R860	401K5691	R. CARBON 5.6K 5% 1/6W
R861	401K5691	R. CARBON 5.6K 5% 1/6W
R865	401K5691	R. CARBON 5.6K 5% 1/6W
R866	401K5691	R. CARBON 5.6K 5% 1/6W
R867	401K5691	R. CARBON 5.6K 5% 1/6W
R868	401K5691	R. CARBON 5.6K 5% 1/6W
R869	401K5691	R. CARBON 5.6K 5% 1/6W
R870	401K5691	R. CARBON 5.6K 5% 1/6W
R871	401K5691	R. CARBON 5.6K 5% 1/6W
R872	401K5691	R. CARBON 5.6K 5% 1/6W
R873	401K5691	R. CARBON 5.6K 5% 1/6W
R874	401K5691	R. CARBON 5.6K 5% 1/6W
R875	401K5691	R. CARBON 5.6K 5% 1/6W
R887	401K5713	R. CARBON 47K 5% 1/6W
R888	401K5673	R. CARBON 1.0K 5% 1/6W
R889	401K5673	R. CARBON 1.0K 5% 1/6W
R890	404C1677	R. METAL 1.5K 1% 1/6W
R891	404C1679	R. METAL 1.8K 1% 1/6W
R892	401K5653	R. CARBON 150H 5% 1/6W
R893	404C1659	R. METAL 270H 1% 1/6W
R894	401K5673	R. CARBON 1.0K 5% 1/6W
R895	404C1659	R. METAL 270H 1% 1/6W
R896	404C1650	R. METAL 300H 1% 1/6W
R897	404C1662	R. METAL 360H 1% 1/6W
R898	40431645	R. METAL 68H 1% 1/6W
R899	401K5673	R. CARBON 1.0K 5% 1/6W
R904	401H5637	R. CARBON 33H 5% 1/2W
R905	401H5637	R. CARBON 33H 5% 1/2W

SYMBOL	PARTS NO	DESCRIPTION
R906	401H5637	R.CARBON 33H 5% 1/2W
R907	401K5633	R.CARBON 22H 5% 1/6W
R908	401H5649	R.CARBON 100H 5% 1/2W
R909	401C6689	R.CARBON 4 7K 5% 1/4W
ZD564	401J9820	R.CARBON 0.0H
ZD565	401J9820	R.CARBON 0.0H

\*\*\* CAPACITORS \*\*\*

C101	421C3479	C.CERAMIC 50V 0.1UF
△C2003	43086065	C.ELEC 50V 10UF
△C2004	43086065	C.ELEC 50V 10UF
C2005	421C0225	C.CERAMIC 50V 0.01UF
C4A1	427F4613	C.FILM 50V 0.01UF
C4A2	427F4614	C.FILM 50V 0.012UF
C4A3	421C3479	C.CERAMIC 50V 0.1UF
C4A4	427F4625	C.FILM 50V 0.1UF
C4A5	421C3479	C.CERAMIC 50V 0.1UF
C4A6	421C3479	C.CERAMIC 50V 0.1UF
C4A7	428B3025	C.METAL FILM 50V 1.0UF
C4A8	421C3479	C.CERAMIC 50V 0.1UF
C4A9	421C3479	C.CERAMIC 50V 0.1UF
C4C0	430B9016	C.ELEC 10V 100UF
C4C1	421C3479	C.CERAMIC 50V 0.1UF
C4C2	430C0065	C.ELEC 35V 10UF
C4C3	430C0065	C.ELEC 35V 10UF
C4C4	421C3479	C.CERAMIC 50V 0.1UF
C4C5	430B6068	C.ELEC 50V 47UF
C4C6	421C3479	C.CERAMIC 50V 0.1UF
C4C7	430B8155	C.ELEC 25V 47UF
C4C8	421C3479	C.CERAMIC 50V 0.1UF
C4C9	430B8155	C.ELEC 25V 47UF
C4E0	421C3479	C.CERAMIC 50V 0.1UF
C4E2	421C3479	C.CERAMIC 50V 0.1UF
C4E4	421C3479	C.CERAMIC 50V 0.1UF
C4E5	421C0213	C.CERAMIC 50V 1000PF
C401	430B9030	C.ELEC 16V 220UF
C402	428B3025	C.METAL FILM 50V 1.0UF
C403	430B9054	C.ELEC 35V 100UF
C404	430B9055	C.ELEC 35V 220UF

C5E4	423A2103	C.CERAMIC 50V 180PF
C5E6	421C3479	C.CERAMIC 50V 0.1UF
C5E7	427F4609	C.FILM 50V 4700PF
C5E8	421D6013	C.CERAMIC 50V 0.1UF
C5E9	421C3479	C.CERAMIC 50V 0.1UF
C5F1	430B6029	C.ELEC 16V 100UF
C5F2	423A2028	C.CERAMIC 50V 20PF
C5F3	427F4601	C.FILM 50V 1000PF
C5F4	421C0225	C.CERAMIC 50V 0.01UF
C5F5	423A2029	C.CERAMIC 50V 22PF
C5F6	421D6013	C.CERAMIC 50V 0.1UF
C5F7	423A2041	C.CERAMIC 50V 68PF
C5F8	421C3479	C.CERAMIC 50V 0.1UF
C5F9	430C0045	C.ELEC 16V 22UF
C5H0	430B6017	C.ELEC 10V 220UF
C5H1	421C2862	C.CERAMIC 25V 0.01UF
C5H2	430B8165	C.ELEC 35V 47UF
C5H3	421A0425	C.CERAMIC 50V 0.01UF
C5H4	421C3479	C.CERAMIC 50V 0.1UF
C5H5	421C3479	C.CERAMIC 50V 0.1UF
C5H6	430B6068	C.ELEC 50V 47UF
C5H7	421C3479	C.CERAMIC 50V 0.1UF
C5H8	430B6041	C.ELEC 25V 47UF
C5H9	421C3479	C.CERAMIC 50V 0.1UF
C5J1	421C3479	C.CERAMIC 50V 0.1UF
C5J3	421C3479	C.CERAMIC 50V 0.1UF
C5K0	421C3479	C.CERAMIC 50V 0.1UF
C5K1	430C0043	C.ELEC 16V 10UF
C503	430C6344	C.ELEC 35V 100UF
C504	420C9567	C.CERAMIC 500V 2200PF
△C505	42817011	C.METAL FILM 1.4KV 2700PF
△C506	42817091	C.METAL FILM 1.4KV 2900PF
△C507	42839709	C.METAL 400V 0.36UF
△C508	42839303	C.FILM 400V 0.15UF
△C509	42839307	C.FILM 400V 0.27UF
△C510	42899042	C.METAL FILM 400V 0.64UF
△C511	420C9569	C.CERAMIC 50V 3300PF
△C512	420C9563	C.CERAMIC 500V 1000PF
△C513	421C2862	C.CERAMIC 25V 0.01UF
C514	421C2862	C.CERAMIC 25V 0.01UF

JC-1531  
VMB-2(N)  
B(EE)-2(N)

SYMBOL	PARTS NO	DESCRIPTION
C405	423A2023	C.CERAMIC 50V 12PF
C406	428B3017	C.METAL FILM 50V 0.22UF
C407	4309H061	C.ELEC 35V 2200UF
C408	428B3023	C.METAL FILM 50V 0.68UF
C410	430B9054	C.ELEC 35V 100UF
C411	427F4656	C.FILM 50V 0.018UF
C421	428B3023	C.METAL FILM 50V 0.68UF
C422	428B3017	C.METAL FILM 50V 0.22UF
C426	421C3479	C.CERAMIC 50V 0.1UF
C427	421C3479	C.CERAMIC 50V 0.1UF
C428	421C3479	C.CERAMIC 50V 0.1UF
C431	430C0045	C.ELEC 16V 22UF
C432	430C0052	C.ELEC 25V 4.7UF
C5A1	43518712	C.TANTALUM 35V 6.8UF
C5A2	427F4616	C.FILM 50V 0.018UF
C5A3	430C0077	C.ELEC 50V 1.0UF
C5A4	427F4607	C.FILM 50V 3300PF
C5A5	423J9017	C.CERAMIC 50V 270PF
C5A6	423J9017	C.CERAMIC 50V 270PF
C5A7	423A2029	C.CERAMIC 50V 22PF
C5A8	421C3479	C.CERAMIC 50V 0.1UF
C5A9	427F6999	C.FILM 50V 470PF
C5C0	421A0425	C.CERAMIC 50V 0.01UF
C5C3	423A2045	C.CERAMIC 50V 100PF
C5C5	421A0425	C.CERAMIC 50V 0.01UF
C5C7	427F8405	C.FILM 100V 2200PF
C5C8	421C3479	C.CERAMIC 50V 0.1UF
C5D1	421C3479	C.CERAMIC 50V 0.1UF
C5D2	430B6068	C.ELEC 50V 47UF
C5D3	423A2037	C.CERAMIC 50V 47PF
C5D4	427F4604	C.FILM 50V 1800PF
C5D5	427F4601	C.FILM 50V 1000PF
C5D6	430B9038	C.ELEC 25V 10UF
C5D7	427F4601	C.FILM 50V 1000PF
C5D8	421C3479	C.CERAMIC 50V 0.1UF
C5D9	430B6017	C.ELEC 10V 220UF
C5E0	427F4601	C.FILM 50V 1000PF
C5E1	433A4043	C.ELEC 35V 4.7UF
C5E2	430B9051	C.ELEC 50V 1.0UF
C5E3	427F4672	C.FILM 50V 0.056UF

C515	421C2862	C.CERAMIC 25V 0.01UF
C516	430B6017	C.ELEC 10V 220UF
C517	430B6017	C.ELEC 16V 220UF
C518	423A2039	C.CERAMIC 50V 56PF
C519	430B9053	C.ELEC 35V 47UF
C520	428CJ022	C.METAL FILM 250V 0.1UF
C521	430J8102	C.ELEC 160V 3.3UF
C522	430J8103	C.ELEC 160V 10UF
C523	430B6512	C.ELEC 160V 1.0UF
C524	420C9571	C.CERAMIC 500V 4700PF
C526	4282C121	C.METAL FILM 50V 0.47UF
C527	428B3025	C.METAL FILM 50V 1.0UF
C528	427F8225	C.FILM 50V 1000PF
C529	427F4675	C.FILM 50V 0.1UF
△C530	42807516	C.FILM 1.6KV 4300PF
△C531	42807516	C.FILM 1.6KV 4300PF
△C532	428CJ022	C.METAL FILM 250V 0.1UF
C533	430B9098	C.ELEC 100V 10UF
C535	430J8104	C.ELEC 200V 10UF
C537	428CJ022	C.METAL FILM 250V 0.1UF
C539	4309H060	C.ELEC 250V 3.3UF
C540	430B9532	C.ELEC 200V 1.0UF
C541	430B9537	C.ELEC 200V 22UF
C542	421C3479	C.CERAMIC 50V 0.1UF
C545	423A1045	C.CERAMIC 50V 100PF
C548	421C3479	C.CERAMIC 50V 0.1UF
C551	430B9033	C.ELEC 16V 1000UF
C553	430B9053	C.ELEC 35V 47UF
C554	430B9042	C.ELEC 25V 100UF
C555	430B9054	C.ELEC 35V 100UF
C556	430C6347	C.ELEC 35V 470UF
C557	430C6316	C.ELEC 10V 1000UF
C558	430B9019	C.ELEC 10V 470UF
C559	430B9041	C.ELEC 25V 47UF
C561	430B9045	C.ELEC 25V 470UF
C562	430B9030	C.ELEC 16V 220UF
C563	421A0425	C.CERAMIC 50V 0.01UF
C564	430B6030	C.ELEC 16V 220UF
C565	421D6013	C.CERAMIC 50V 0.1UF
C570	430B6016	C.ELEC 10V 100UF

SYMBOL	PARTS NO	DESCRIPTION
C573	430BF046	C.ELEC 25V 1000UF
C591	430B6053	C.ELEC 35V 47UF
C592	430B6533	C.ELEC 200V 2.2UF
C593	428DD417	C.METAL FILM 250V 0.22UF
C701	421D6009	C.CERAMIC 25V 0.1UF
C702B	433A4013	C.ELEC 10V 47UF
C702G	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C703B	421A0425	C.CERAMIC 50V 0.01UF
C703G	421A0425	C.CERAMIC 50V 0.01UF
C703R	421A0425	C.CERAMIC 50V 0.01UF
C704B	430B8145	C.ELEC 16V 100UF
C704G	430B8145	C.ELEC 16V 100UF
C704R	430B8145	C.ELEC 16V 100UF
C705B	430C0065	C.ELEC 35V 10UF
C705G	430C0065	C.ELEC 35V 10UF
C705R	430C0065	C.ELEC 35V 10UF
C706B	430C0065	C.ELEC 35V 10UF
C706G	430C0065	C.ELEC 35V 10UF
C706R	430C0065	C.ELEC 35V 10UF
C707B	430B6042	C.ELEC 25V 100UF
C707G	430B6042	C.ELEC 25V 100UF
C707R	430B6042	C.ELEC 25V 100UF
C708B	430C0065	C.ELEC 35V 10UF
C708G	430C0065	C.ELEC 35V 10UF
C708R	430C0065	C.ELEC 35V 10UF
C709B	421D6009	C.CERAMIC 25V 0.1UF
C709G	421D6009	C.CERAMIC 25V 0.1UF
C709R	421D6009	C.CERAMIC 25V 0.1UF
C710	421D6009	C.CERAMIC 25V 0.1UF
C712	430B9028	C.ELEC 16V 47UF
C713	421D6009	C.CERAMIC 25V 0.1UF
C720B	433A7013	C.ELEC 16V 47UF
C720G	433A7013	C.ELEC 16V 47UF
C720R	433A7013	C.ELEC 16V 47UF
C721B	421C0213	C.CERAMIC 50V 1000PF
C721G	421C0213	C.CERAMIC 50V 1000PF
C721R	421C0213	C.CERAMIC 50V 1000PF
C724B	430B9028	C.ELEC 16V 47UF
C724G	430B9028	C.ELEC 16V 47UF

SYMBOL	PARTS NO	DESCRIPTION
C794B	421C0221	C.CERAMIC 50V 4700PF
C794G	421C0221	C.CERAMIC 50V 4700PF
C8A0	430B9016	C.ELEC 10V 100UF
C8A3	421C3479	C.CERAMIC 50V 0.1UF
C8A4	421C3479	C.CERAMIC 50V 0.1UF
C8A5	421C3479	C.CERAMIC 50V 0.1UF
C8A6	421C3479	C.CERAMIC 50V 0.1UF
C8A7	430B8152	C.ELEC 25V 10UF
C8C1	430B6065	C.ELEC 50V 10UF
C8C3	421D6009	C.CERAMIC 25V 0.1UF
C8C4	430B6031	C.ELEC 16V 330UF
C8C5	430B6041	C.ELEC 25V 47UF
C802	433A4023	C.ELEC 16V 22UF
C803	433A4023	C.ELEC 16V 22UF
C804	421D6009	C.CERAMIC 25V 0.1UF
C805	423A2101	C.CERAMIC 50V 120PF
C806	421D6009	C.CERAMIC 25V 0.1UF
C807	430B6042	C.ELEC 25V 100UF
C808	427F4601	C.FILM 50V 1000PF
C809	427F4601	C.FILM 50V 1000PF
C810	427F4609	C.FILM 50V 4700PF
C811	433A4056	C.ELEC 50V 2 2UF
C812	430B6052	C.ELEC 50V 2 2UF
C813	430A4104	C.ELEC 50V 0.68UF
C814	433A4058	C.ELEC 50V 4 7UF
C815	430B6065	C.ELEC 50V 10UF
C816	430B6064	C.ELEC 50V 4 7UF
C817	430B6064	C.ELEC 50V 4 7UF
C818	430B6061	C.ELEC 50V 1.0UF
C819	423A2104	C.CERAMIC 50V 220PF
C840	421C3479	C.CERAMIC 50V 0.1UF
C841	421C3479	C.CERAMIC 50V 0.1UF
C842	421C3479	C.CERAMIC 50V 0.1UF
C855	430B6065	C.ELEC 50V 10UF
C856	423A2015	C.CERAMIC 50V 10PF
C857	423F0013	C.CERAMIC 50V 10PF
C874A	430B8145	C.ELEC 16V 100UF
C874B	421C3479	C.CERAMIC 50V 0.1UF
C880	421C3479	C.CERAMIC 50V 0.1UF
C887	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C724R	430B9028	C.ELEC 16V 47UF
C725B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C725R	421C0225	C.CERAMIC 50V 0.01UF
C726B	421C0225	C.CERAMIC 50V 0.01UF
C726G	421C0225	C.CERAMIC 50V 0.01UF
C726R	421C0225	C.CERAMIC 50V 0.01UF
C727	421J9005	C.CERAMIC 25V 0.01UF
C729B	430B9062	C.ELEC 50V 2.2UF
C729G	430B9062	C.ELEC 50V 2.2UF
C729R	430B9062	C.ELEC 50V 2.2UF
C731	421C0225	C.CERAMIC 50V 0.01UF
C732	421C0225	C.CERAMIC 50V 0.01UF
C733	433A7021	C.ELEC 25V 10UF
C750B	421C0225	C.CERAMIC 50V 0.01UF
C750G	421C0225	C.CERAMIC 50V 0.01UF
C750R	421C0225	C.CERAMIC 50V 0.01UF
C751	421C0225	C.CERAMIC 50V 0.01UF
C752	430B9029	C.ELEC 16V 100UF
C760	421D6009	C.CERAMIC 25V 0.1UF
C761	430B9029	C.ELEC 16V 100UF
C762	430B9515	C.ELEC 160V 10UF
C763	420C9569	C.CERAMIC 50V 3300PF
C764B	423A2043	C.CERAMIC 50V 82PF
C764G	423A2043	C.CERAMIC 50V 82PF
C764R	423A2043	C.CERAMIC 50V 82PF
C781B	42840097	C.FILM 250V 0.22UF
C781G	42840097	C.FILM 250V 0.22UF
C781R	42840097	C.FILM 250V 0.22UF
C782B	430B9512	C.ELEC 160V 1.0UF
C782G	430B9512	C.ELEC 160V 1.0UF
C782R	430B9512	C.ELEC 160V 1.0UF
C783B	420C9563	C.CERAMIC 500V 1000PF
C783G	420C9563	C.CERAMIC 500V 1000PF
C783R	420C9563	C.CERAMIC 500V 1000PF
C786	430B9556	C.ELEC 250V 10UF
C787	420C9565	C.CERAMIC 500V 1500PF
C789	427E4163	C.FILM 100V 0.01UF
C792	430B9029	C.ELEC 16V 100UF
C793	430B9032	C.ELEC 16V 470UF

SYMBOL	PARTS NO	DESCRIPTION
C888	421C3479	C.CERAMIC 50V 0.1UF
C889	421C3479	C.CERAMIC 50V 0.1UF
C890	421C3479	C.CERAMIC 50V 0.1UF
C892	421C3479	C.CERAMIC 50V 0.1UF
C893	421C3479	C.CERAMIC 50V 0.1UF
C899	430B6041	C.ELEC 25V 47UF
C901	420C9551	C.CERAMIC 500V 1000PF
C902	420C9563	C.CERAMIC 500V 1000PF
C903	420DK108	C.CERAMIC 2KV 10000PF

# REPLACEMENT PARTS LIST

The components specified for Model JC-1531VMB-2(NT)/B(EE)-2(NT)

**Note:** The components identified by  $\Delta$  make are critical for safety.

Replace only with parts Number specified.

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* CRT & TUNER \*\*\*

$\Delta$ CRT	33015537	CRT M36KME23XX21 (T3)
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\*\*\* ICS \*\*\*

IC4A1	37056963	IC UPC5203CU-025
IC4A2	37056877	IC NJM4200D (MULTIPLIER)
IC4A3	37056877	IC NJM4200D (MULTIPLIER)
IC4A4	37051036	MOS UPD4066BC
IC4A5	37011206	IC XRA10358 (OP-AMP)
IC4A6	37053133	MOS TC74HC123P
IC401	37056589	IC LA7837
IC5A1	37056217	IC LA7850
IC5A2	37056962	IC UPC5202CU-017
IC5A3	37011262	IC XRA10393 (COMP)
IC5A4	37011262	IC XRA10393 (COMP)
IC5A5	37056961	IC UPC5202CU-014
IC5A6	37011262	IC XRA10393 (COMP)
IC501	37053337	MOS XR4538B (MULTIVIB)
IC551	37005210	IC UPC24M18HF (REG)
IC552	37005193	IC PO12RF11 (REG)
IC553	37005182	IC LM7812C (REG)
IC701	37056814	IC M52035P
IC702	37056923	IC M52307P
IC703	37056872	IC VFS08N
IC704	37011210	IC XRA10224 (O OP-AMP)
IC801	37056867	IC M52036SP
IC851	37056973	MOS UPD78C12AGQ-A89-36
IC852	37056813	IC M62359P
IC853	37056812	IC M62362P
IC854	37056812	IC M62362P
IC855	37055401	MOS XRM93C56B-E
IC856	371E1514	IC PST529D-2(T) (VOLTAGE D
IC858	37011206	IC XRA10358 (OP-AMP)
IC859	37056917	IC XRA10324A (O OP-AMP)
IC864	37903232	IC LM2940CT-5.0

SYMBOL	PARTS NO	DESCRIPTION
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Q551	350E3218	TR 2SC1740S-T R
Q552	35122100	TR 2SK703
Q553	350K5718	TR 2SA933S-T R
Q554	35026216	TR 2SB772 P
Q591	350K4518	TR 2SA933-T R
Q592	35056311	TR 2SC2688 K
Q701B	350J3016	TR 2SC2926S-T P
Q701G	350J3016	TR 2SC2926S-T P
Q701R	350J3016	TR 2SC2926S-T P
Q704	351G0601	TR DTC114ES-T
Q705	350E3218	TR 2SC1740S-T R
Q721	350E3218	TR 2SC1740S-T R
Q722	350K4518	TR 2SA933-T R
Q750B	350J4604	TR 2SC3776-AA D
Q750G	350J4604	TR 2SC3776-AA D
Q750R	350J4604	TR 2SC3776-AA D
Q770	350E3218	TR 2SC1740S-T R
Q771	350E3218	TR 2SC1740S-T R
Q772	350K4518	TR 2SA933-T R
Q780B	350K5217	TR 2SA1018-TA Q
Q780G	350K5217	TR 2SA1018-TA Q
Q780R	350K5217	TR 2SA1018-TA Q
Q781B	350H4417	TR 2SC1473-TA O
Q781G	350H4417	TR 2SC1473-TA O
Q781R	350H4417	TR 2SC1473-TA O
Q801	350K4518	TR 2SA933-T R
Q802	350K4518	TR 2SA933-T R
Q803	351G0652	TR DTC1132S-T
Q804	351G0602	TR DTC144ES-T
Q805	351G0601	TR DTC114ES-T
Q806	351G0601	TR DTC114ES-T
Q851	351G0656	TR DTC143XS-T
Q852	350E3218	TR 2SC1740S-T R
Q853	35069805	TR 2SD1763 E

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* TRANSISTORS \*\*\*

Q4A1	350E3218	TR 2SC1740S-T R
Q4A2	351G0602	TR DTC144ES-T
Q4A3	350E3218	TR 2SC1740S-T R
Q4A4	351G0601	TR DTC114ES-T
Q401	350J2717	TR 2SC3377-T O
Q402	359K7618	TR 2SA1515 R
Q404	351G0602	TR DTC144ES-T
Q406	351G0602	TR DTC144ES-T
Q431	350E3218	TR 2SC1740S-T R
Q432	350E3218	TR 2SC1740S-T R
Q5A1	350E3218	TR 2SC1740S-T R
Q5A2	350K5717	TR 2SA933S-T O
Q5A3	350H5017	TR 2SC3811-TA Q
Q5A5	350E3218	TR 2SC1740S-T R
Q5A6	351G0601	TR DTC114ES-T
Q5F1	350K5717	TR 2SA933S-T O
Q5H1	350H5018	TR 2SC3811-TA R
Q501	350E3218	TR 2SC1740S-T R
Q502	350K4519	TR 2SA933-T S
Q503	35122700	TR 2SK699
Q504	35031112	TR 2SB1095 L
Q505	35070100	TR HPA100
Q506	35122500	TR 2SK758
Q507	35122500	TR 2SK758
Q508	35127300	TR 2SK947-M
Q509	351G0656	TR DTC143XS-T
Q510	35125400	TR 1RF9610
Q511	350C1218	TR 2SB1329-T105 R
Q512	350G1018	TR 2SD2005-T105 R
Q513	350E4311	TR 2SC2001-T K
Q514	350K4412	TR 2SA952 L AT
Q515	35125500	TR 1RF9610
Q517	35125400	TR 1RF9610
Q518	350E3218	TR 2SC1740S-T R
Q519	350K5718	TR 2SA933S-T R
Q520	350E3218	TR 2SC1740S-T R
Q521	350K5718	TR 2SA933S-T R
Q522	350H5017	TR 2SC3811-TA Q

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* DIODES \*\*\*

D101	360K1027	DIODE 1SS132
D102	360K1027	DIODE 1SS132
D103	360K1027	DIODE 1SS132
D104	360K1027	DIODE 1SS132
D105	360K1027	DIODE 1SS132
D106	360K1027	DIODE 1SS132
D107	360K1027	DIODE 1SS132
D108	360K1027	DIODE 1SS132
D109	360K1027	DIODE 1SS132
D110	360K1027	DIODE 1SS132
D111	360K1027	DIODE 1SS132
D112	360K1027	DIODE 1SS132
D113	360K1027	DIODE 1SS132
D114	360K1027	DIODE 1SS132
D115	360K1027	DIODE 1SS132
D116	360K1027	DIODE 1SS132
D118	36801342	LED GL3EG8
D119	36801331	LED SLR-54MT3F/PO
D120	36801331	LED SLR-54MT3F/PO
$\Delta$ D2004	361K7562	DIODE EGP10G G23
$\Delta$ D2005	361K7562	DIODE EGP10G G23
D401	361K7160	DIODE TVR06G G23
D402	360K1027	DIODE 1SS132
D403	360K1027	DIODE 1SS132
D5A1	360K1027	DIODE 1SS132
D5A2	367K1027	DIODE 1SS132
D5A3	360K1027	DIODE 1SS132
D5A4	360K1027	DIODE 1SS132
D5A5	360K1027	DIODE 1SS132
D5A6	360K1027	DIODE 1SS132
D5A7	360K1027	DIODE 1SS132
D5A8	360K1027	DIODE 1SS132
D5A9	360K1027	DIODE 1SS132
D5C1	369K2136	DIODE RGP10G AT
D5E1	380K5054	VARIATOR MA29W-A (TP)
D5E2	380K5054	VARIATOR MA29W-A (TP)
D501	36107293	DIODE RK14
D503	36107560	DIODE RG2A2

SYMBOL	PARTS NO	DESCRIPTION
△D504	36107560	DIODE RG2A2
△D505	360K1027	DIODE 1SS132
△D506	360K1027	DIODE 1SS132
D507	360K1027	DIODE 1SS132
D508	36107507	DIODE RG4
D509	361K7160	DIODE TVR06G G23
D510	361K7562	DIODE EGP10G G23
D511	361K7562	DIODE EGP10G G23
D512	361K7562	DIODE EGP10G G23
D513	361K7562	DIODE EGP10G G23
D514	361K7160	DIODE TVR06G G23
D517	360K1027	DIODE 1SS132
D518	36107507	DIODE RG4
D519	361K7160	DIODE TVR06G G23
D521	361K7550	DIODE 1SR35-400A
D522	360K1027	DIODE 1SS132
D523	360K1027	DIODE 1SS132
D551	361K7630	DIODE EU 2YX V1
D552	361K7160	DIODE TVR06G G23
D553	361K7562	DIODE EGP10G G23
D555	360K1027	DIODE 1SS132
D556	360K1027	DIODE 1SS132
D557	361K7562	DIODE EGP10G G23
D558	361K7562	DIODE EGP10G G23
D571	360K1027	DIODE 1SS132
D591	360K1027	DIODE 1SS132
D592	360K1032	DIODE 1SS82-TA
D593	360K1032	DIODE 1SS82-TA
D701	360K1027	DIODE 1SS132
D702	360K1027	DIODE 1SS132
D703	360K1027	DIODE 1SS132
D704	360K1027	DIODE 1SS132
D705	360K1027	DIODE 1SS132
D706	360K1027	DIODE 1SS132
D707	360K1027	DIODE 1SS132
D708	360K1027	DIODE 1SS132
D709	360K1027	DIODE 1SS132
D710	360K1027	DIODE 1SS132
D711	360K1027	DIODE 1SS132

SYMBOL	PARTS NO	DESCRIPTION
D712	360K1027	DIODE 1SS132
D713	360K1027	DIODE 1SS132
D715B	360K1027	DIODE 1SS132
D715G	360K1027	DIODE 1SS132
D715R	360K1027	DIODE 1SS132
D720	360K1027	DIODE 1SS132
D721	380K5054	VARIATOR MA29W-A (TP)
D722	360K1027	DIODE 1SS132
D760B	360K1032	DIODE 1SS82-TA
D760C	360K1032	DIODE 1SS82-TA
D760R	360K1032	DIODE 1SS82-TA
D761B	360K1032	DIODE 1SS82-TA
D761G	360K1032	DIODE 1SS82-TA
D761R	360K1032	DIODE 1SS82-TA
D781B	360K1032	DIODE 1SS82-TA
D781G	360K1032	DIODE 1SS82-TA
D781R	360K1032	DIODE 1SS82-TA
D782	360K1037	DIODE 1SS83
D801	360K1027	DIODE 1SS132
D802	360K1027	DIODE 1SS132
D803	360K1027	DIODE 1SS132
ZD4A1	360A0039	DIODE MTZJ5.6B T-72
ZD4A2	360K3694	DIODE RD2ESB(1)/ESAB(1)
ZD401	360A0094	DIODE MTZJ20D
ZD402	360K3602	DIODE RD2.0ESB(1)-T4
ZD5A2	360A0035	DIODE MTZJ5.1B T-72
ZD5A3	360A0056	DIODE MTZJ8.2C T-72
ZD5A4	360A0054	DIODE MTZJ8.2A T-72
ZD5A5	360A0035	DIODE MTZJ5.1B T-72
ZD502	360K3143	DIODE RD8.2J5B(1)-T4
ZD503	360K3659	DIODE RD9.1ESB(2)-T4
ZD504	360K3834	DIODE MTZ11ABC T-72
ZD507	360K3660	DIODE RD9.1ESB(3)-T4
ZD510	360K3658	DIODE RD9.1ESB(1)-T4
ZD553	360K3134	DIODE RD15EB(2)-T4
ZD557	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD558	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD559	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD560	360K3624	DIODE RD3.9ESB(2)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD561	360K3624	DIODE RD3.9ESB(2)-T4
ZD562	360K3624	DIODE RD3.9ESB(2)-T4
ZD563	360K3635	DIODE RD5.1ESB(2)-T4
ZD570	36003662	DIODE RD10ESB(1)
ZD760	360A0056	DIODE MTZJ8.2C T-72
ZD851	360K3634	DIODE RD5.1ESB(1)-T4
ZD852	360A0030	DIODE MTZJ4.7A T-72
ZD853	360A0038	DIODE MTZJ5.6A T-72
ZD854	360A0005	DIODE MTZJ2.4B T-72

\*\*\* TRANSFORMERS \*\*\*

L507	46206002	TRANS. CHOKE 8MH
T501	45804009	TRANS. H. DRIVE
△T502	47710014	TRANS. H. OUT
T503	47105673	F. B. T
T551	46304113	TRANS. CONVERTER

\*\*\* VARIABLE RESISTORS \*\*\*

VR101	41011121	R. VARIABLE B50K
VR102	41011121	R. VARIABLE B50K
VR401	41071359	R. VARIABLE B2.2K
VR402	41071363	R. VARIABLE B10K
VR403	41087010	R. VARIABLE 20K 0.2W
VR404	410G1167	R. VARIABLE B47K
VR431	410G1161	R. VARIABLE B4.7K
VR501	410G1163	R. VARIABLE B10K
VR502	41087006	R. VARIABLE B2K
VR503	41087005	R. VARIABLE B1K
VR505	415K5158	R. VARIABLE B10K
VR551	41071360	R. VARIABLE B3.3K
VR552	41599203	R. VARIABLE B200H
VR701	410G2060	R. VARIABLE B20K
VR702	410G2060	R. VARIABLE B20K
VR703	410G2060	R. VARIABLE B20K
VR704	410G2061	R. VARIABLE B30
VR705	410G2061	R. VARIABLE B30
VR706	410G2061	R. VARIABLE B30
VR707	410G2062	R. VARIABLE B50K
VR708	410G2062	R. VARIABLE B50K
VR709	410G2062	R. VARIABLE B50K

SYMBOL	PARTS NO	DESCRIPTION
VR710	410G2064	R. VARIABLE B200K
VR851	41018255	R. VARIABLE B1K
VR852	41087005	R. VARIABLE B1K
VR854	410G1159	R. VARIABLE B2.2K

\*\*\* RELAYS & SWITCHES \*\*\*

△RL501	65660013	RELAY VE 24HME-K
RL502	65660028	RELAY SY-24W-K
SW	65360027	SWITCH. PUSH BUTTON
SW101	653F0033	SWITCH. PUSH BUTTON
SW102	653F0033	SWITCH. PUSH BUTTON
SW103	653F0033	SWITCH. PUSH BUTTON
SW104	653F0033	SWITCH. PUSH BUTTON
SW105	653F0033	SWITCH. PUSH BUTTON
SW106	653F0033	SWITCH. PUSH BUTTON
SW107	653F0033	SWITCH. PUSH BUTTON
SW108	653F0033	SWITCH. PUSH BUTTON
SW109	653F0033	SWITCH. PUSH BUTTON
SW110	653F0033	SWITCH. PUSH BUTTON
SW111	65161059	SWITCH. SLIDE 1-6L-3NS
SW112	65161048	SWITCH. SLIDE

\*\*\* COILS & FILTERS \*\*\*

DG	61315203	COIL. DEGAUSSING
FC701	39013039	C. NETWORK 25V 0.1UF
FC850	39013039	C. NETWORK 25V 0.1UF
FC851	39013041	C. NETWORK 25V 0.1UF
FC852	39013044	C. NETWORK 25V 0.1UF
FC853	39013041	C. NETWORK 25V 0.1UF
FL001	61062076	POWER LINE FILTER
FR850	390C0437	R. NETWORK 3*10K 5% 1/8W
FR851	390C0432	R. NETWORK 6*10K 5% 1/8W
FR852	390C0451	R. NETWORK 10K 5% 1/8W
LC701	390J9027	FILTER ZJSC-R12-100TA
LC702	390J9027	FILTER ZJSC-R12-100TA
LC703	390J9027	FILTER ZJSC-R12-100TA
LC760	616K6945	NOISE FILTER TH18103MA
LC781	616K6027	NOISE FILTER 2A222-TA
LC782	616K6966	NOISE FILTER

SYMBOL	PARTS NO	DESCRIPTION
LC783	616K6028	NOISE FILTER 1H223X-TA
LC801	61606822	NOISE FILTER 50V 47UH
LC802	390J9015	FILTER ZJSC-2R2-101TA
LC803	390J9015	FILTER ZJSC-2R2-101TA
LC804	390J9015	FILTER ZJSC-2R2-101TA
LC805	390J9015	FILTER ZJSC-2R2-101TA
LC850	616K6718	NOISE FILTER 10000UH
LC901	616K6028	NOISE FILTER 1H223X-TA
LC902	616K6075	NOISE FILTER
L401	610F7025	COIL, FILTER 47UH
L5A1	610E1717	COIL, FILTER 10UH
L5A2	610E1717	COIL, FILTER 10UH
L5A3	610E1717	COIL, FILTER 10UH
L5A4	610E1717	COIL, FILTER 10UH
Δ L501	60919128	COIL, H. LIN
Δ L502	60919129	COIL, H. LIN
Δ L503	61070180	COIL, CHOKE 4MH
Δ L504	61070235	FILTER CHOKE 4MH
L505	610F3025	COIL, FILTER 47UH
Δ L509	610F3025	COIL, FILTER 47UH
Δ L510	61070181	COIL, CHOKE PJ87-102K
L512	61070181	COIL, CHOKE PJ87-102K
L551	610F3025	COIL, FILTER 47UH
L552	610F3025	COIL, FILTER 47UH
L553	610F7018	COIL, FILTER 12UH
L701B	610E1726	COIL, FILTER 56UH
L701G	610E1726	COIL, FILTER 56UH
L701R	610E1726	COIL, FILTER 56UH
L720	610E1729	COIL, FILTER 100UH
L761	610E1711	COIL, FILTER 3.3UH
L801	610F7010	COIL, FILTER 2.7UH
L901	610F5804	COIL, FILTER 0.47UH
L902	610F5804	COIL, FILTER 0.47UH
L903	610F5804	COIL, FILTER 0.47UH

\*\*\* PWB ASSYS \*\*\*

84W40C01	VIDEO PWB ASSY
84W40E01	UNIT PWB ASSY
84W41F01	MAIN PWB ASSY
84W44L01	CONTROL PWB ASSY

SYMBOL	PARTS NO	DESCRIPTION
*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***		
CABLE	70032056	CRT SOCKET
VMB-2(NT)	74004891	CAP
HS401	73893103	CABLE SIGNAL
	70800066	LINE CORD E-3 #8011
	31709202	SHEET, INSULATOR
HS505	31709507	SHEET, INSULATOR HEAT SINK
HS515	31709505	SHEET, INSULATOR
L506	49801010	INDUCTOR DUMMY
SG901	325J0047	ARRESTER (300V).AT52
SG902	325J0047	ARRESTER (300V).AT52
SG903	329J0047	ARRESTER (300V).AT52
SG904	329J0047	ARRESTER (300V).AT52
SG905	667K6007	SPARK GAP 1.5KV
Δ SW-PS	31104020	SW. REG UNIT (SMP-120BB-1)
Δ UNIT2	79100031	UNIT 2 (HV PROTECTOR)
X1	64099072	CRYSTAL RESONATOR

\*\*\* APPEARANCE PARTS \*\*\*

25313822	CABINET BOTTOM
25419001	REVOLVING STAND ASSY
25317611	CABINET FRONT ASSY
25313791	CABINET BACK ASSY
25419021	REVOLVING SPINDLE
25534631	COIL SPRING
25757643	LABEL (REV.)
25779931	NAME PLATE, INSTRUCTION

\*\*\* KNOBS & PUSH BUTTONS \*\*\*

25454671	PUSH BUTTON (SW)
25454681	KNOB CONTROL
25454691	KNOB SLIDE

SYMBOL	PARTS NO	DESCRIPTION
R4D5	404C1713	R.METAL 47K 1% 1/6W
R4D6	404C1737	R.METAL 470K 1% 1/6W
R4D7	401K5705	R.CARBON 22K 5% 1/6W
R4D8	404C1728	R.METAL 200K 1% 1/6W
R4D9	401K5689	R.CARBON 4.7K 5% 1/6W
R4E0	401K5705	R.CARBON 22K 5% 1/6W
R4E1	401K5697	R.CARBON 10K 5% 1/6W
R4E2	401K5697	R.CARBON 10K 5% 1/6W
R4E3	401K5697	R.CARBON 10K 5% 1/6W
R4E4	401K5697	R.CARBON 10K 5% 1/6W
R401	401K5709	R.CARBON 33K 5% 1/6W
R402	401K5683	R.CARBON 2.7K 5% 1/6W
R403	403F2103	R.METAL OXIDE 1.2H 5% 2W
R404	404C1703	R.METAL 18K 1% 1/6W
R405	404C1703	R.METAL 18K 1% 1/6W
R406	401K5709	R.CARBON 33K 5% 1/6W
R407	401H5653	R.CARBON 150H 5% 1/2W
R408	401K5611	R.CARBON 2.7H 5% 1/6W
R409	401K5721	R.CARBON 100K 5% 1/6W
Δ R410	403F2151	R.METAL OXIDE 120H 5% 2W
Δ R411	401G6117	R.CARBON 4.7H 5% 1/4W
R412	401K5689	R.CARBON 4.7K 5% 1/6W
R413	401K5673	R.CARBON 1.0K 5% 1/6W
R414	401K5673	R.CARBON 1.0K 5% 1/6W
R415	401K5661	R.CARBON 330H 5% 1/6W
R420	401K5673	R.CARBON 1.0K 5% 1/6W
R421	404C1728	R.METAL 200K 1% 1/6W
R422	401K5689	R.CARBON 4.7K 5% 1/6W
R423	404C1740	R.METAL 620K 1% 1/6W
R425	404C1700	R.METAL 13K 1% 1/6W
R426	404C1724	R.METAL 130K 1% 1/6W
R427	404C1697	R.METAL 10K 1% 1/6W
R431	401K5689	R.CARBON 4.7K 5% 1/6W
R432	401K5673	R.CARBON 1.0K 5% 1/6W
R433	401K5713	R.CARBON 47K 5% 1/6W
R434	401K5713	R.CARBON 47K 5% 1/6W
R435	401K5689	R.CARBON 4.7K 5% 1/6W
R436	401K5689	R.CARBON 4.7K 5% 1/6W
R437	401K5681	R.CARBON 2.2K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
*** PRINTED & PACKING MATERIALS ***		
	24813191	BAG, POLYETHYLENE (150*370)
	25607291	SLIDE SHEET
	25823181	FILLER (T) CARTON
	25823192	FILLER (B) CARTON
	25825501	SHEET, PROTECTION
	25828831	CARTON BOX(JC-1531VMB-2)
	78034408	MONITOR SALES OFFICE LIST
	78127522	INSTRUCTION BOOK

\*\*\* RESISTORS \*\*\*

C790	401J9820	R.CARBON 0.0H
R101	401J9820	R.CARBON 0.0H
R105	401H5671	R.CARBON 820H 5% 1/2W
R106	401K5659	R.CARBON 270H 5% 1/6W
	401K5697	R.CARBON 10K 5% 1/6W
R4A0	404C1723	R.METAL 120K 1% 1/6W
R4A1	404C1704	R.METAL 20K 1% 1/6W
R4A2	404C1723	R.METAL 120K 1% 1/6W
R4A3	404C1704	R.METAL 20K 1% 1/6W
R4A5	404C1723	R.METAL 120K 1% 1/6W
R4A6	404C1723	R.METAL 120K 1% 1/6W
R4A7	404C1697	R.METAL 10K 1% 1/6W
R4A8	404C1733	R.METAL 330K 1% 1/6W
R4A9	404C1727	R.METAL 180K 1% 1/6W
R4C0	404C1727	R.METAL 180K 1% 1/6W
R4C1	404C1727	R.METAL 180K 1% 1/6W
R4C2	404C1727	R.METAL 180K 1% 1/6W
R4C3	404C1727	R.METAL 180K 1% 1/6W
R4C4	404C1727	R.METAL 180K 1% 1/6W
R4C5	404C1727	R.METAL 180K 1% 1/6W
R4C6	401K5731	R.CARBON 270K 5% 1/6W
R4C7	404C1727	R.METAL 180K 1% 1/6W
R4C8	401K5681	R.CARBON 2.2K 5% 1/6W
R4C9	401K5677	R.CARBON 1.5K 5% 1/6W
R4D0	401K5647	R.CARBON 82H 5% 1/6W
R4D1	404C1704	R.METAL 20K 1% 1/6W
R4D2	401K5721	R.CARBON 100K 5% 1/6W
R4D3	401K5625	R.CARBON 10H 5% 1/6W

JC-1  
VMB-2  
B(EE)-2

SYMBOL	PARTS NO	DESCRIPTION
R5A1	401K5673	R. CARBON 1.0K 5% 1/6W
R5A2	401K5705	R. CARBON 22K 5% 1/6W
R5A3	401K5689	R. CARBON 4.7K 5% 1/6W
R5A4	401K5697	R. CARBON 10K 5% 1/6W
R5A5	401K5691	R. CARBON 5.6K 5% 1/6W
R5A6	401K5705	R. CARBON 22K 5% 1/6W
R5A7	401K5699	R. CARBON 12K 5% 1/6W
R5A8	401K5687	R. CARBON 3.9K 5% 1/6W
R5A9	401K5677	R. CARBON 1.5K 5% 1/6W
R5C0	404C1705	R. METAL 22K 1% 1/6W
R5C1	404C1711	R. METAL 39K 1% 1/6W
R5C3	401K5635	R. CARBON 27H 5% 1/6W
R5C4	401K5689	R. CARBON 4.7K 5% 1/6W
R5C5	401K5683	R. CARBON 2.7K 5% 1/6W
R5C7	404C1699	R. METAL 12K 1% 1/6W
R5C8	404C1684	R. METAL 3.0K 1% 1/6W
R5C9	401K5697	R. CARBON 10K 5% 1/6W
R5D1	401K5745	R. CARBON 1.0M 5% 1/6W
R5D2	404C1697	R. METAL 10K 1% 1/6W
R5D4	401K5697	R. CARBON 10K 5% 1/6W
R5D5	401K5695	R. CARBON 8.2K 5% 1/6W
R5D6	404C1707	R. METAL 27K 1% 1/6W
R5D8	404C1673	R. METAL 1.0K 1% 1/6W
R5D9	404C1685	R. METAL 3.3K 1% 1/6W
R5E1	404C1697	R. METAL 10K 1% 1/6W
R5E2	404C1731	R. METAL 270K 1% 1/6W
R5E3	404C1733	R. METAL 330K 1% 1/6W
R5E4	401K5745	R. CARBON 1.0M 5% 1/6W
△R5E5	401K5693	R. CARBON 6.8K 5% 1/6W
R5E6	401K5709	R. CARBON 33K 5% 1/6W
R5E7	401K5705	R. CARBON 22K 5% 1/6W
R5E8	401K5691	R. CARBON 5.6K 5% 1/6W
R5E9	401K5695	R. CARBON 8.2K 5% 1/6W
R5F0	401K5745	R. CARBON 1.0M 5% 1/6W
R5F1	401K5695	R. CARBON 8.2K 5% 1/6W
R5F2	401K5675	R. CARBON 1.2K 5% 1/6W
R5F3	401K5697	R. CARBON 10K 5% 1/6W
R5F4	401K5715	R. CARBON 56K 5% 1/6W
R5F5	401K5697	R. CARBON 10K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
△R519	401G6101	R. CARBON 1.0H 5% 1/4W
R520	401G6167	R. CARBON 560H 5% 1/4W
△R521	401G6143	R. CARBON 56H 5% 1/4W
R522	401C6657	R. CARBON 220H 5% 1/4W
R523	401C6597	R. CARBON 10K 5% 1/4W
R524	401K5695	R. CARBON 8.2K 5% 1/6W
R525	401K5721	R. CARBON 100K 5% 1/6W
R526	401K5733	R. CARBON 330K 5% 1/6W
R527	404C1695	R. METAL 8.2K 1% 1/6W
R528	404C1673	R. METAL 1.0K 1% 1/6W
R529	401K5697	R. CARBON 10K 5% 1/6W
R530	404C1697	R. METAL 10K 1% 1/6W
R531	401C6677	R. CARBON 1.5K 5% 1/4W
R532	401C6629	R. CARBON 15H 5% 1/4W
△R533	401H5687	R. CARBON 3.9K 5% 1/2W
R534	401K5731	R. CARBON 270K 5% 1/6W
R535	401K5729	R. CARBON 220K 5% 1/6W
△R536	401G6109	R. CARBON 2.2H 5% 1/4W
△R537	401G6109	R. CARBON 2.2H 5% 1/4W
R538	401G6109	R. CARBON 2.2H 5% 1/4W
△R540	403F1107	R. METAL 1.8H 5% 1W
R541	401H5697	R. CARBON 10K 5% 1/2W
R544	401C6673	R. CARBON 1.0K 5% 1/4W
R545	401C6697	R. CARBON 10K 5% 1/4W
R546	401K5733	R. CARBON 330K 5% 1/6W
R547	401K5733	R. CARBON 330K 5% 1/6W
R548	40372133	R. METAL 22H 5% 2W
R549	404C1739	R. METAL 560K 1% 1/6W
R553	401K5689	R. CARBON 4.7K 5% 1/6W
△R554	403F1101	R. METAL OXIDE 1H 5% 1W
△R555	401G6101	R. CARBON 1.0H 5% 1/4W
R559	401K5697	R. CARBON 10K 5% 1/6W
R560	401H5681	R. CARBON 2.2K 5% 1/2W
R561	401H5665	R. CARBON 470H 5% 1/2W
R562	404C1724	R. METAL 130K 1% 1/6W
R563	401K5681	R. CARBON 2.2K 5% 1/6W
△R570	401G6133	R. CARBON 22H 5% 1/4W
△R571	401G6133	R. CARBON 22H 5% 1/4W
R572	401H5693	R. CARBON 6.8K 5% 1/2W
R573	401K5697	R. CARBON 10K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5F6	401K5691	R. CARBON 5.6K 5% 1/6W
R5F7	401K5721	R. CARBON 100K 5% 1/6W
R5F8	401C6761	R. CARBON 4.7M 5% 1/4W
R5F9	401K5721	R. CARBON 100K 5% 1/6W
R5G0	401K5697	R. CARBON 10K 5% 1/6W
R5G1	401K5701	R. CARBON 15K 5% 1/6W
R5G2	401K5705	R. CARBON 22K 5% 1/6W
R5G3	401K5713	R. CARBON 47K 5% 1/6W
R5G4	401K5745	R. CARBON 1.0M 5% 1/6W
R5G5	401K5697	R. CARBON 10K 5% 1/6W
R5G6	401K5691	R. CARBON 5.6K 5% 1/6W
R5G7	401K5697	R. CARBON 10K 5% 1/6W
R5G8	401K5709	R. CARBON 33K 5% 1/6W
R5H2	401K5665	R. CARBON 470H 5% 1/6W
R5H3	401K5697	R. CARBON 10K 5% 1/6W
R5H4	401K5693	R. CARBON 6.8K 5% 1/6W
R5H5	401K5697	R. CARBON 10K 5% 1/6W
R5J0	401H5653	R. CARBON 150H 5% 1/2W
R5J2	403F2165	R. METAL 470H 5% 2W
R5K1	401K5715	R. CARBON 56K 5% 1/6W
R5K2	401K5715	R. CARBON 56K 5% 1/6W
R5K3	401K5715	R. CARBON 56K 5% 1/6W
R5L7	401K5697	R. CARBON 10K 5% 1/6W
R5O1	401K5675	R. CARBON 1.2K 5% 1/6W
R5O2	401K5661	R. CARBON 330H 5% 1/6W
R5O4	401C6673	R. CARBON 1.0K 5% 1/4W
R5O5	401K5673	R. CARBON 1.0K 5% 1/6W
△R5O6	40175137	R. CARBOX 33H 5% 1/4W
△R5O7	40801004	R. FUSE 1.0H 500MA
R5O8A	403F2145	R. METAL 68H 5% 2W
R5O8B	403F1137	R. METAL 33H 5% 1W
R5O9	401C6657	R. CARBON 220H 5% 1/4W
R510	40215265	R. WIRE 2.4H 5% 7W
R511	40372107	R. METAL 1.8H 5% 2W
△R512	401C6651	R. CARBON 120H 5% 1/4W
R513	401C6657	R. CARBON 220H 5% 1/4W
R514	401K5649	R. CARBON 100H 5% 1/6W
R515	401K5649	R. CARBON 100H 5% 1/6W
R516	401K5649	R. CARBON 100H 5% 1/6W
△R518	401G6101	R. CARBON 1.0H 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R574	401K5697	R. CARBON 10K 5% 1/6W
R575	401C6689	R. CARBON 4.7K 5% 1/4W
R576	401K5705	R. CARBON 22K 5% 1/6W
R577	401K5673	R. CARBON 1.0K 5% 1/6W
R578	403F1177	R. METAL OXIDE 1.5K 5% 1W
R580	401K5625	R. CARBON 10H 5% 1/6W
R581	401K5625	R. CARBON 10H 5% 1/6W
R582	401K5625	R. CARBON 10H 5% 1/6W
R583	401K5619	R. CARBON 5.6H 5% 1/6W
R591	401K5697	R. CARBON 10K 5% 1/6W
R592	401K5713	R. CARBON 47K 5% 1/6W
R593	401K5697	R. CARBON 10K 5% 1/6W
R594	401K5691	R. CARBON 5.6K 5% 1/6W
R595	401K5721	R. CARBON 100K 5% 1/6W
R701B	404K2646	R. METAL 75H 1% 1/4W
R701G	404K2646	R. METAL 75H 1% 1/4W
R701R	404K2646	R. METAL 75H 1% 1/4W
R702B	401K5695	R. CARBON 8.2K 5% 1/6W
R702G	401K5695	R. CARBON 8.2K 5% 1/6W
R702R	401K5695	R. CARBON 8.2K 5% 1/6W
R703B	401K5697	R. CARBON 10K 5% 1/6W
R703G	401K5697	R. CARBON 10K 5% 1/6W
R703R	401K5697	R. CARBON 10K 5% 1/6W
R704B	401K5659	R. CARBON 270H 5% 1/6W
R704G	401K5659	R. CARBON 270H 5% 1/6W
R704R	401K5659	R. CARBON 270H 5% 1/6W
R705B	401K5667	R. CARBON 560H 5% 1/6W
R705G	401K5667	R. CARBON 560H 5% 1/6W
R705R	401K5667	R. CARBON 560H 5% 1/6W
R706B	401K5673	R. CARBON 1.0K 5% 1/6W
R706G	401K5673	R. CARBON 1.0K 5% 1/6W
R706R	401K5673	R. CARBON 1.0K 5% 1/6W
R710B	401K5653	R. CARBON 150H 5% 1/6W
R710G	401K5653	R. CARBON 150H 5% 1/6W
R710R	401K5653	R. CARBON 150H 5% 1/6W
R711B	401K5669	R. CARBON 680H 5% 1/6W
R711G	401K5669	R. CARBON 680H 5% 1/6W
R711R	401K5669	R. CARBON 680H 5% 1/6W
R712B	401K5649	R. CARBON 100H 5% 1/6W
R712G	401K5649	R. CARBON 100H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R712R	401K5649	R. CARBON 100H 5% 1/6W
R713B	401K5705	R. CARBON 22K 5% 1/6W
R713G	401K5705	R. CARBON 22K 5% 1/6W
R713R	401K5705	R. CARBON 22K 5% 1/6W
R716	401K5695	R. CARBON 8.2K 5% 1/6W
R717	401K5697	R. CARBON 10K 5% 1/6W
R718	401K5649	R. CARBON 100H 5% 1/6W
R720B	401K5687	R. CARBON 3.9K 5% 1/6W
R720G	401K5687	R. CARBON 3.9K 5% 1/6W
R720R	401K5687	R. CARBON 3.9K 5% 1/6W
R721	404C1700	R. METAL 13K 1% 1/6W
R722	404C1709	R. METAL 33K 1% 1/6W
R723	404C1682	R. METAL 2.4K 1% 1/6W
R724	404C1663	R. METAL 390H 1% 1/6W
R726B	401K5669	R. CARBON 680H 5% 1/6W
R726G	401K5669	R. CARBON 680H 5% 1/6W
R726R	401K5669	R. CARBON 680H 5% 1/6W
R727	401K5699	R. CARBON 12K 5% 1/6W
R728	401K5691	R. CARBON 5.6K 5% 1/6W
R729	401K5689	R. CARBON 4.7K 5% 1/6W
R730	401K5689	R. CARBON 4.7K 5% 1/6W
R731B	401J9820	R. CARBON 0.0H
R731R	401J9820	R. CARBON 0.0H
R733	401K5649	R. CARBON 100H 5% 1/6W
R750B	401K5657	R. CARBON 220H 5% 1/6W
R750G	401K5657	R. CARBON 220H 5% 1/6W
R750R	401K5657	R. CARBON 220H 5% 1/6W
R751B	401K5655	R. CARBON 180H 5% 1/6W
R751G	401K5655	R. CARBON 180H 5% 1/6W
R751R	401K5655	R. CARBON 180H 5% 1/6W
R760B	401K5655	R. CARBON 180H 5% 1/6W
R760R	401K5655	R. CARBON 180H 5% 1/6W
R761B	401K5635	R. CARBON 27H 5% 1/4W
R761G	401K5635	R. CARBON 27H 5% 1/4W
R761R	401K5635	R. CARBON 27H 5% 1/4W
R762	401K5667	R. CARBON 560H 5% 1/6W
R770	401K5673	R. CARBON 1.0K 5% 1/6W
R771	401K5673	R. CARBON 1.0K 5% 1/6W
R772	401K5679	R. CARBON 1.8K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R8B1	401K5689	R. CARBON 4.7K 5% 1/6W
R8B2	401K5689	R. CARBON 4.7K 5% 1/6W
R8B3	401K5691	R. CARBON 5.6K 5% 1/6W
R8B4	401K5691	R. CARBON 5.6K 5% 1/6W
R8B5	401K5691	R. CARBON 5.6K 5% 1/6W
R8B6	401K5691	R. CARBON 5.6K 5% 1/6W
R8B7	401K5697	R. CARBON 10K 5% 1/6W
R8B8	401K5721	R. CARBON 100K 5% 1/6W
R8C0	401K5673	R. CARBON 1.0K 5% 1/6W
R8C1	404C1661	R. METAL 330H 1% 1/6W
R8C2	404C1663	R. METAL 390H 1% 1/6W
R8C3	401K5697	R. CARBON 10K 5% 1/6W
R8D0	401K5713	R. CARBON 47K 5% 1/6W
R8E0	401K5679	R. CARBON 1.8K 5% 1/6W
△R8E1	404K5125	R. METAL 10H 5% 1/4W
R801	401K5711	R. CARBON 39K 5% 1/6W
R802	401K5707	R. CARBON 27K 5% 1/6W
R803	401K5679	R. CARBON 1.8K 5% 1/6W
R804	404C1705	R. METAL 22K 1% 1/6W
R805	401K5711	R. CARBON 39K 5% 1/6W
R806	401K5707	R. CARBON 27K 5% 1/6W
R807	401K5679	R. CARBON 1.8K 5% 1/6W
R808	401K5705	R. CARBON 22K 5% 1/6W
R809	401K5707	R. CARBON 27K 5% 1/6W
R810	401K5673	R. CARBON 1.0K 5% 1/6W
R811	401K5673	R. CARBON 1.0K 5% 1/6W
R812	401K5683	R. CARBON 2.7K 5% 1/6W
R813	401K5697	R. CARBON 10K 5% 1/6W
R814	401K5691	R. CARBON 5.6K 5% 1/6W
R815	401K5721	R. CARBON 100K 5% 1/6W
R816	401K5673	R. CARBON 1.0K 5% 1/6W
R817	401K5717	R. CARBON 68K 5% 1/6W
R819	401K5717	R. CARBON 68K 5% 1/6W
R821	401K5653	R. CARBON 150H 5% 1/6W
R822	401K5667	R. CARBON 560H 5% 1/6W
R823	401K5667	R. CARBON 560H 5% 1/6W
R825	401K5667	R. CARBON 560H 5% 1/6W
R826	401K5673	R. CARBON 1.0K 5% 1/6W
R827	401K5673	R. CARBON 1.0K 5% 1/6W
R830	401K5705	R. CARBON 22K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R774B	401K5663	R. CARBON 390H 5% 1/6W
R774G	401K5663	R. CARBON 390H 5% 1/6W
R774R	401K5663	R. CARBON 390H 5% 1/6W
R775B	401K5673	R. CARBON 1.0K 5% 1/6W
R775G	401K5673	R. CARBON 1.0K 5% 1/6W
R775R	401K5673	R. CARBON 1.0K 5% 1/6W
R776	401K5653	R. CARBON 150H 5% 1/6W
R780B	401K5731	R. CARBON 270K 5% 1/6W
R780G	401K5731	R. CARBON 270K 5% 1/6W
R780R	401K5731	R. CARBON 270K 5% 1/6W
R781B	401K5729	R. CARBON 220K 5% 1/6W
R781G	401K5729	R. CARBON 220K 5% 1/6W
R781R	401K5729	R. CARBON 220K 5% 1/6W
R782B	401K5723	R. CARBON 120K 5% 1/6W
R782G	401K5723	R. CARBON 120K 5% 1/6W
R782R	401K5723	R. CARBON 120K 5% 1/6W
R783B	401K5709	R. CARBON 33K 5% 1/6W
R783G	401K5709	R. CARBON 33K 5% 1/6W
R783R	401K5709	R. CARBON 33K 5% 1/6W
R784B	401K5701	R. CARBON 15K 5% 1/6W
R784G	401K5701	R. CARBON 15K 5% 1/6W
R784R	401K5701	R. CARBON 15K 5% 1/6W
R785B	401K5703	R. CARBON 18K 5% 1/6W
R785G	401K5703	R. CARBON 18K 5% 1/6W
R785R	401K5703	R. CARBON 18K 5% 1/6W
R786	401K5749	R. CARBON 1.5M 5% 1/6W
R787	401K5673	R. CARBON 1.0K 5% 1/6W
R789	401K5753	R. CARBON 2.2M 5% 1/6W
R790	401K5689	R. CARBON 4.7K 5% 1/6W
R791	401K5697	R. CARBON 10K 5% 1/6W
R792	401K5685	R. CARBON 3.3K 5% 1/6W
R8A0	404C1708	R. METAL 30K 1% 1/6W
R8A1	404C1697	R. METAL 10K 1% 1/6W
R8A3	401K5697	R. CARBON 10K 5% 1/6W
R8A4	401K5655	R. CARBON 470H 5% 1/6W
R8A5	401K5685	R. CARBON 3.3K 5% 1/6W
R8A6	401K5681	R. CARBON 2.2K 5% 1/6W
R8A8	401K5691	R. CARBON 5.6K 5% 1/6W
R8A9	401K5657	R. CARBON 220H 5% 1/6W
R8B0	401K5689	R. CARBON 4.7K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R840	401K5625	R. CARBON 10H 5% 1/6W
R841	401K5659	R. CARBON 270H 5% 1/6W
R841	401K5703	R. CARBON 18K 5% 1/6W
R842	401K5661	R. CARBON 330H 5% 1/6W
R842	401K5671	R. CARBON 820H 5% 1/6W
R843	401K5739	R. CARBON 560K 5% 1/6W
R844	401K5739	R. CARBON 560K 5% 1/6W
R845	401K5739	R. CARBON 560K 5% 1/6W
R846	401K5739	R. CARBON 560K 5% 1/6W
R856	401K5697	R. CARBON 10K 5% 1/6W
R857	401K5713	R. CARBON 47K 5% 1/6W
R859	401K5691	R. CARBON 5.6K 5% 1/6W
R860	401K5691	R. CARBON 5.6K 5% 1/6W
R861	401K5691	R. CARBON 5.6K 5% 1/6W
R865	401K5691	R. CARBON 5.6K 5% 1/6W
R866	401K5691	R. CARBON 5.6K 5% 1/6W
R867	401K5691	R. CARBON 5.6K 5% 1/6W
R868	401K5691	R. CARBON 5.6K 5% 1/6W
R869	401K5691	R. CARBON 5.6K 5% 1/6W
R870	401K5691	R. CARBON 5.6K 5% 1/6W
R871	401K5691	R. CARBON 5.6K 5% 1/6W
R872	401K5691	R. CARBON 5.6K 5% 1/6W
R873	401K5691	R. CARBON 5.6K 5% 1/6W
R874	401K5691	R. CARBON 5.6K 5% 1/6W
R875	401K5691	R. CARBON 5.6K 5% 1/6W
R887	401K5713	R. CARBON 47K 5% 1/6W
R888	401K5673	R. CARBON 1.0K 5% 1/6W
R889	401K5673	R. CARBON 1.0K 5% 1/6W
R890	404C1677	R. METAL 1.5K 1% 1/6W
R891	404C1679	R. METAL 1.8K 1% 1/6W
R892	401K5653	R. CARBON 150H 5% 1/6W
R893	404C1659	R. METAL 270H 1% 1/6W
R894	401K5673	R. CARBON 1.0K 5% 1/6W
R895	404C1659	R. METAL 270H 1% 1/6W
R896	404C1660	R. METAL 300H 1% 1/6W
R897	404C1662	R. METAL 350H 1% 1/6W
R898	40431645	R. METAL 68H 1% 1/6W
R899	401K5673	R. CARBON 1.0K 5% 1/6W
R904	401H5637	R. CARBON 33H 5% 1/2W
R905	401H5637	R. CARBON 33H 5% 1/2W

JC-  
VMB-2  
B(EE)-2

SYMBOL	PARTS NO	DESCRIPTION
R906	401H5637	R. CARBON 33H 5% 1/2W
R907	401K5633	R. CARBON 22H 5% 1/6W
R908	401H5649	R. CARBON 100H 5% 1/2W
R909	401C6689	R. CARBON 4.7K 5% 1/4W
ZD564	401J9820	R. CARBON 0.0H
ZD565	401J9820	R. CARBON 0.0H

\*\*\* CAPACITORS \*\*\*

C101	421C3479	C. CERAMIC 50V 0.1UF
△C2003	430B6065	C. ELEC 50V 10UF
△C2004	430B6065	C. ELEC 50V 10UF
C2005	421C0225	C. CERAMIC 50V 0.01UF
C4A1	427F4613	C. FILM 50V 0.01UF
C4A2	427F4614	C. FILM 50V 0.012UF
C4A3	421C3479	C. CERAMIC 50V 0.1UF
C4A4	427F4625	C. FILM 50V 0.1UF
C4A5	421C3479	C. CERAMIC 50V 0.1UF
C4A6	421C3479	C. CERAMIC 50V 0.1UF
C4A7	428B3025	C. METAL FILM 50V 1.0UF
C4A8	421C3479	C. CERAMIC 50V 0.1UF
C4A9	421C3479	C. CERAMIC 50V 0.1UF
C4C0	430B9016	C. ELEC 10V 100UF
C4C1	421C3479	C. CERAMIC 50V 0.1UF
C4C2	430C0065	C. ELEC 35V 10UF
C4C3	430C0065	C. ELEC 35V 10UF
C4C4	421C3479	C. CERAMIC 50V 0.1UF
C4C5	430B6068	C. ELEC 50V 47UF
C4C6	421C3479	C. CERAMIC 50V 0.1UF
C4C7	430B8155	C. ELEC 25V 47UF
C4C8	421C3479	C. CERAMIC 50V 0.1UF
C4C9	430B8155	C. ELEC 25V 47UF
C4E0	421C3479	C. CERAMIC 50V 0.1UF
C4E2	421C3479	C. CERAMIC 50V 0.1UF
C4E4	421C3479	C. CERAMIC 50V 0.1UF
C4E5	421C0213	C. CERAMIC 50V 1000PF
C401	430B9030	C. ELEC 16V 220UF
C402	428B3025	C. METAL FILM 50V 1.0UF
C403	430B9054	C. ELEC 35V 100UF
C404	430B9055	C. ELEC 35V 220UF

SYMBOL	PARTS NO	DESCRIPTION
C5E4	423A2103	C. CERAMIC 50V 180PF
C5E6	421C3479	C. CERAMIC 50V 0.1UF
C5E7	427F4609	C. FILM 50V 4700PF
C5E8	421D6013	C. CERAMIC 50V 0.1UF
C5E9	421C3479	C. CERAMIC 50V 0.1UF
C5F1	430B6029	C. ELEC 16V 100UF
C5F2	423A2028	C. CERAMIC 50V 20PF
C5F3	427F4601	C. FILM 50V 1000PF
C5F4	421C0225	C. CERAMIC 50V 0.01UF
C5F5	423A2029	C. CERAMIC 50V 22PF
C5F6	421D6013	C. CERAMIC 50V 0.1UF
C5F7	423A2041	C. CERAMIC 50V 68PF
C5F8	421C3479	C. CERAMIC 50V 0.1UF
C5F9	430C0045	C. ELEC 16V 22UF
C5H0	430B6017	C. ELEC 10V 220UF
C5H1	421C2862	C. CERAMIC 25V 0.01UF
C5H2	430B8165	C. ELEC 35V 47UF
C5H3	421A0425	C. CERAMIC 50V 0.01UF
C5H4	421C3479	C. CERAMIC 50V 0.1UF
C5H5	421C3479	C. CERAMIC 50V 0.1UF
C5H6	430B6068	C. ELEC 50V 47UF
C5H7	421C3479	C. CERAMIC 50V 0.1UF
C5H8	430B6041	C. ELEC 25V 47UF
C5H9	421C3479	C. CERAMIC 50V 0.1UF
C5J1	421C3479	C. CERAMIC 50V 0.1UF
C5J3	421C3479	C. CERAMIC 50V 0.1UF
C5K0	421C3479	C. CERAMIC 50V 0.1UF
C5K1	430C0043	C. ELEC 16V 10UF
C503	430C6344	C. ELEC 35V 100UF
△C504	420C9567	C. CERAMIC 500V 2200PF
△C505	42817011	C. METAL FILM 1.4KV 2700PF
△C506	42817091	C. METAL FILM 1.4KV 2900PF
△C507	42839710	C. METAL 400V 0.39UF
△C508	42839303	C. FILM 400V 0.15UF
△C509	42839307	C. FILM 400V 0.27UF
△C510	42899042	C. METAL FILM 400V 0.64UF
△C511	420C9569	C. CERAMIC 50V 3300PF
△C512	420C9563	C. CERAMIC 500V 1000PF
△C513	421C2862	C. CERAMIC 25V 0.01UF
C514	421C2862	C. CERAMIC 25V 0.01UF

SYMBOL	PARTS NO	DESCRIPTION
C405	423A2023	C. CERAMIC 50V 12PF
C406	428B3017	C. METAL FILM 50V 0.22UF
C407	430H061	C. ELEC 35V 2200UF
C408	428B3024	C. METAL FILM 50V 0.82UF
C410	430B9054	C. ELEC 35V 100UF
C411	427F4666	C. FILM 50V 0.018UF
C421	428B3023	C. METAL FILM 50V 0.58UF
C422	428B3017	C. METAL FILM 50V 0.22UF
C426	421C3479	C. CERAMIC 50V 0.1UF
C427	421C3479	C. CERAMIC 50V 0.1UF
C428	421C3479	C. CERAMIC 50V 0.1UF
C431	430C0045	C. ELEC 16V 22UF
C432	430C0052	C. ELEC 25V 4.7UF
C5A1	43518712	C. TANTALUM 35V 6.8UF
C5A2	427F4616	C. FILM 50V 0.018UF
C5A3	430C0077	C. ELEC 50V 1.0UF
C5A4	427F4607	C. FILM 50V 3300PF
C5A5	423J9017	C. CERAMIC 50V 270PF
C5A6	423J9017	C. CERAMIC 50V 270PF
C5A7	423A2029	C. CERAMIC 50V 22PF
C5A8	421C3479	C. CERAMIC 50V 0.1UF
C5A9	427F6999	C. FILM 50V 470PF
C5C0	421A0425	C. CERAMIC 50V 0.01UF
C5C3	423A2045	C. CERAMIC 50V 100PF
C5C5	421A0425	C. CERAMIC 50V 0.01UF
C5C7	427F8405	C. FILM 100V 2200PF
C5C8	421C3479	C. CERAMIC 50V 0.1UF
C5D1	421C3479	C. CERAMIC 50V 0.1UF
C5D2	430B6068	C. ELEC 50V 47UF
C5D3	423A2037	C. CERAMIC 50V 1800PF
C5D4	427F4604	C. FILM 50V 1000PF
C5D5	427F4601	C. FILM 50V 1000PF
C5D6	430B9038	C. ELEC 25V 10UF
C5D7	427F4601	C. FILM 50V 1000PF
C5D8	421C3479	C. CERAMIC 50V 0.1UF
C5D9	430B6017	C. ELEC 10V 220UF
C5E0	427F4601	C. FILM 50V 1000PF
C5E1	433A4043	C. ELEC 35V 4.7UF
C5E2	430B9061	C. ELEC 50V 1.0UF
C5E3	427F4672	C. FILM 50V 0.056UF

SYMBOL	PARTS NO	DESCRIPTION
C515	421C2862	C. CERAMIC 25V 0.01UF
C516	430B6017	C. ELEC 10V 220UF
C517	430B6017	C. ELEC 10V 220UF
C518	423A2039	C. CERAMIC 50V 56PF
C519	430B9053	C. ELEC 35V 47UF
C520	428CJ022	C. METAL FILM 250V 0.1UF
C521	430J8102	C. ELEC 160V 3.3UF
C522	430J8103	C. ELEC 160V 10UF
C523	430B6512	C. ELEC 160V 1.0UF
C524	420C9571	C. CERAMIC 500V 4700PF
C526	4282C121	C. METAL FILM 50V 0.47UF
C527	428B3025	C. METAL FILM 50V 1.0UF
C528	427F8225	C. FILM 50V 1000PF
C529	427F4675	C. FILM 50V 0.1UF
△C530	42807516	C. FILM 1.6KV 4300PF
△C531	42807516	C. FILM 1.6KV 4300PF
△C532	428CJ022	C. METAL FILM 250V 0.1UF
C533	430B9098	C. ELEC 100V 10UF
C535	430J8104	C. ELEC 200V 10UF
C537	428CJ022	C. METAL FILM 250V 0.1UF
C539	4309H060	C. ELEC 250V 3.3UF
C540	430B9532	C. ELEC 200V 1.0UF
C541	430B9537	C. ELEC 200V 22UF
C542	421C3479	C. CERAMIC 50V 0.1UF
C545	423A1045	C. CERAMIC 50V 100PF
C548	421C3479	C. CERAMIC 50V 0.1UF
C551	430B8033	C. ELEC 16V 1000UF
C553	430B9053	C. ELEC 35V 47UF
C554	430B9042	C. ELEC 25V 100UF
C555	430B9054	C. ELEC 35V 100UF
C556	430C6347	C. ELEC 35V 470UF
C557	430C6316	C. ELEC 10V 1000UF
C558	430B9019	C. ELEC 10V 470UF
C559	430B9041	C. ELEC 25V 47UF
C561	430B9045	C. ELEC 25V 470UF
C562	430B9030	C. ELEC 16V 220UF
C563	421A0425	C. CERAMIC 50V 0.01UF
C564	430B6030	C. ELEC 16V 220UF
C565	421D6013	C. CERAMIC 50V 0.1UF
C570	430B6016	C. ELEC 10V 100UF

SYMBOL	PARTS NO	DESCRIPTION
C573	430BF046	C.ELEC 25V 1000UF
C591	430B6053	C.ELEC 35V 47UF
C592	430B6533	C.ELEC 200V 2.2UF
C593	428D0417	C.METAL FILM 250V 0.22UF
C701	421D6009	C.CERAMIC 25V 0.1UF
C702B	433A4013	C.ELEC 10V 47UF
C702G	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C703B	421A0425	C.CERAMIC 50V 0.01UF
C703G	421A0425	C.CERAMIC 50V 0.01UF
C703R	421A0425	C.CERAMIC 50V 0.01UF
C704B	430B8145	C.ELEC 16V 100UF
C704G	430B8145	C.ELEC 16V 100UF
C704R	430B8145	C.ELEC 16V 100UF
C705B	430C0065	C.ELEC 35V 10UF
C705G	430C0065	C.ELEC 35V 10UF
C705R	430C0065	C.ELEC 35V 10UF
C706B	430C0065	C.ELEC 35V 10UF
C706G	430C0065	C.ELEC 35V 10UF
C706R	430C0065	C.ELEC 35V 10UF
C707B	430B6042	C.ELEC 25V 100UF
C707G	430B6042	C.ELEC 25V 100UF
C707R	430B6042	C.ELEC 25V 100UF
C708B	430C0065	C.ELEC 35V 10UF
C708G	430C0065	C.ELEC 35V 10UF
C708R	430C0065	C.ELEC 35V 10UF
C709B	421D6009	C.CERAMIC 25V 0.1UF
C709G	421D6009	C.CERAMIC 25V 0.1UF
C709R	421D6009	C.CERAMIC 25V 0.1UF
C710	421D6009	C.CERAMIC 25V 0.1UF
C712	430B9028	C.ELEC 16V 47UF
C713	421D6009	C.CERAMIC 25V 0.1UF
C720B	433A7013	C.ELEC 16V 47UF
C720G	433A7013	C.ELEC 16V 47UF
C720R	433A7013	C.ELEC 16V 47UF
C721B	421C0213	C.CERAMIC 50V 1000PF
C721G	421C0213	C.CERAMIC 50V 1000PF
C721R	421C0213	C.CERAMIC 50V 1000PF
C724B	430B9028	C.ELEC 16V 47UF
C724G	430B9028	C.ELEC 16V 47UF

SYMBOL	PARTS NO	DESCRIPTION
C794B	421C0221	C.CERAMIC 50V 4700PF
C794G	421C0221	C.CERAMIC 50V 4700PF
C8A0	430B9016	C.ELEC 10V 100UF
C8A3	421C3479	C.CERAMIC 50V 0.1UF
C8A4	421C3479	C.CERAMIC 50V 0.1UF
C8A5	421C3479	C.CERAMIC 50V 0.1UF
C8A6	421C3479	C.CERAMIC 50V 0.1UF
C8A7	430B8152	C.ELEC 25V 10UF
C8C1	430B6065	C.ELEC 50V 10UF
C8C3	421D6009	C.CERAMIC 25V 0.1UF
C8C4	430B6031	C.ELEC 16V 330UF
C8C5	430B6041	C.ELEC 25V 47UF
C802	433A4023	C.ELEC 16V 22UF
C803	433A4023	C.ELEC 16V 22UF
C804	421D6009	C.CERAMIC 25V 0.1UF
C805	423A2101	C.CERAMIC 50V 120PF
C806	421D6009	C.CERAMIC 25V 0.1UF
C807	430B6042	C.ELEC 25V 100UF
C808	427F4601	C.FILM 50V 1000PF
C809	427F4601	C.FILM 50V 1000PF
C810	427F4609	C.FILM 50V 4700PF
C811	433A4056	C.ELEC 50V 2.2UF
C812	430B6062	C.ELEC 50V 2.2UF
C813	430A4104	C.ELEC 50V 0.68UF
C814	433A4058	C.ELEC 50V 4.7UF
C815	430B6065	C.ELEC 50V 10UF
C816	430B6064	C.ELEC 50V 4.7UF
C817	430B6064	C.ELEC 50V 4.7UF
C818	430B6061	C.ELEC 50V 1.0UF
C819	423A2104	C.CERAMIC 50V 220PF
C840	421C3479	C.CERAMIC 50V 0.1UF
C841	421C3479	C.CERAMIC 50V 0.1UF
C842	421C3479	C.CERAMIC 50V 0.1UF
C855	430B6065	C.ELEC 50V 10UF
C856	423A2015	C.CERAMIC 50V 10PF
C857	423F0013	C.CERAMIC 50V 10PF
C874A	430B8145	C.ELEC 16V 100UF
C874B	421C3479	C.CERAMIC 50V 0.1UF
C880	421C3479	C.CERAMIC 50V 0.1UF
C887	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C724R	430B9028	C.ELEC 16V 47UF
C725B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C725R	421C0225	C.CERAMIC 50V 0.01UF
C726B	421C0225	C.CERAMIC 50V 0.01UF
C726G	421C0225	C.CERAMIC 50V 0.01UF
C726R	421C0225	C.CERAMIC 50V 0.01UF
C727	421J9005	C.CERAMIC 25V 0.01UF
C729B	430B9062	C.ELEC 50V 2.2UF
C729G	430B9052	C.ELEC 50V 2.2UF
C729R	430B9052	C.ELEC 50V 2.2UF
C731	421C0225	C.CERAMIC 50V 0.01UF
C732	421C0225	C.CERAMIC 50V 0.01UF
C733	433A7021	C.ELEC 25V 10UF
C750B	421C0225	C.CERAMIC 50V 0.01UF
C750G	421C0225	C.CERAMIC 50V 0.01UF
C750R	421C0225	C.CERAMIC 50V 0.01UF
C751	421C0225	C.CERAMIC 50V 0.01UF
C752	430B9029	C.ELEC 16V 100UF
C760	421D6009	C.CERAMIC 25V 0.1UF
C761	430B9028	C.ELEC 16V 100UF
C762	430B9516	C.ELEC 160V 10UF
C763	420C9569	C.CERAMIC 50V 3300PF
C764B	423A2043	C.CERAMIC 50V 82PF
C764G	423A2043	C.CERAMIC 50V 82PF
C764R	423A2043	C.CERAMIC 50V 82PF
C781B	42840097	C.FILM 250V 0.22UF
C781G	42840097	C.FILM 250V 0.22UF
C781R	42840097	C.FILM 250V 0.22UF
C782B	430B9512	C.ELEC 160V 1.0UF
C782G	430B9512	C.ELEC 160V 1.0UF
C782R	430B9512	C.ELEC 160V 1.0UF
C783B	420C9563	C.CERAMIC 500V 1000PF
C783G	420C9563	C.CERAMIC 500V 1000PF
C783R	420C9563	C.CERAMIC 500V 1000PF
C786	430B9556	C.ELEC 250V 10UF
C787	420C9565	C.CERAMIC 500V 1500PF
C789	427E4163	C.FILM 100V 0.01UF
C792	430B9029	C.ELEC 16V 100UF
C793	430B9032	C.ELEC 16V 470UF

SYMBOL	PARTS NO	DESCRIPTION
C888	421C3479	C.CERAMIC 50V 0.1UF
C889	421C3479	C.CERAMIC 50V 0.1UF
C890	421C3479	C.CERAMIC 50V 0.1UF
C892	421C3479	C.CERAMIC 50V 0.1UF
C893	421C3479	C.CERAMIC 50V 0.1UF
C899	430B6041	C.ELEC 25V 47UF
C901	420C9551	C.CERAMIC 500V 1000PF
C902	420C9563	C.CERAMIC 500V 1000PF
C903	420DK108	C.CERAMIC 2KV 10000PF

JC-  
VMB-4  
B(EE)-2

# REPLACEMENT PARTS LIST

The components specified for Model JC-1531VMB-2(T)/B(EE)-2(T)

**Note:** The components identified by  $\Delta$  make are critical for safety.

Replace only with parts Number specified.

SYMBOL	PARTS NO	DESCRIPTION
*** CRT & TUNER ***		
$\Delta$ CRT	33015541	CRT M36KUT23XX21 (FD1)
*** ICS ***		
IC4A1	37056963	IC UPC5203CU-025
IC4A2	37056877	IC NJM4200D (MULTIPLIER)
IC4A3	37056877	IC NJM4200D (MULTIPLIER)
IC4A4	37051036	MOS UPD4066BC
IC4A5	37011206	IC XRA10358 (OP-AMP)
IC4A6	37053133	MOS TCT4HC123P
IC401	37008015	IC LA7838 (V OUT)
IC5A1	37056217	IC LA7850
IC5A2	37056962	IC UPC5202CU-017
IC5A3	37011262	IC XRA10393 (COMP)
IC5A4	37011262	IC XRA10393 (COMP)
IC5A5	37056961	IC UPC5202CU-014
IC5A6	37011262	IC XRA10393 (COMP)
IC501	37053337	MOS XRU4538B (MULTIPLIER)
IC551	37005210	IC UPC24M18HF (REG)
IC552	37005193	IC PQ12RF11 (REG)
IC553	37005182	IC LM7812C (REG)
IC701	37056814	IC M52035P
IC702	37056923	IC M52307P
IC703	37056872	IC VPS08N
IC704	37011210	IC XRA10324 (Q OP-AMP)
IC801	37056867	IC M52036SP
IC851	37056973	MOS UPD78C12AGQ-A89-36
IC852	37056813	IC M62359P
IC853	37056812	IC M62362P
IC854	37056812	IC M62362P
IC855	37055401	MOS XRM93C56B-E
IC856	371E1514	IC PST529D-2(T) (VOLTAGE D
IC858	37011206	IC XRA10358 (OP-AMP)
IC859	37056917	IC XRA10324A (Q OP-AMP)
IC864	37903232	IC LM2940CT-5.0

SYMBOL	PARTS NO	DESCRIPTION
Q551	350E3218	TR 2SC1740S-T R
Q552	35122100	TR 2SK703
Q553	350K5718	TR 2SA933S-T R
Q554	35026216	TR 2SB772 P
Q591	350K4518	TR 2SA933-T R
Q592	35056311	TR 2SC2688 K
Q701B	350J3016	TR 2SC2926S-T P
Q701G	350J3016	TR 2SC2926S-T P
Q701R	350J3016	TR 2SC2926S-T P
Q704	351G0601	TR DTC114ES-T
Q705	350E3218	TR 2SC1740S-T R
Q721	350E3218	TR 2SC1740S-T R
Q722	350K4518	TR 2SA933-T R
Q750B	350J4604	TR 2SC3776-AA D
Q750G	350J4604	TR 2SC3776-AA D
Q750R	350J4604	TR 2SC3776-AA D
Q770	350E3218	TR 2SC1740S-T R
Q771	350E3218	TR 2SC1740S-T R
Q772	350K4518	TR 2SA933-T R
Q780B	350K5217	TR 2SA1018-TA Q
Q780G	350K5217	TR 2SA1018-TA Q
Q780R	350K5217	TR 2SA1018-TA Q
Q781B	350H4417	TR 2SC1473-TA Q
Q781G	350H4417	TR 2SC1473-TA Q
Q781R	350H4417	TR 2SC1473-TA Q
Q801	350K4518	TR 2SA933-T R
Q802	350K4518	TR 2SA933-T R
Q803	351G0652	TR DTC113ZS-T
Q804	351G0602	TR DTC144ES-T
Q805	351G0601	TR DTC114ES-T
Q806	351G0601	TR DTC114ES-T
Q851	351G0656	TR DTC143XS-T
Q852	350E3218	TR 2SC1740S-T R
Q853	350E9805	TR 2SD1763 E

SYMBOL	PARTS NO	DESCRIPTION
*** TRANSISTORS ***		
Q4A1	350E3218	TR 2SC1740S-T R
Q4A2	351G0602	TR DTC144ES-T
Q4A3	350E3218	TR 2SC1740S-T R
Q4A4	351G0601	TR DTC114ES-T
Q401	350J2717	TR 2SC3377-T Q
Q402	359K7618	TR 2SA1515 R
Q404	351G0602	TR DTC144ES-T
Q406	351G0602	TR DTC144ES-T
Q431	350E3218	TR 2SC1740S-T R
Q432	350E3218	TR 2SC1740S-T R
Q5A1	350E3218	TR 2SC1740S-T R
Q5A2	350K5717	TR 2SA933S-T Q
Q5A3	350H5017	TR 2SC3811-TA Q
Q5A5	350E3218	TR 2SC1740S-T R
Q5A6	351G0601	TR DTC114ES-T
Q5F1	350K5717	TR 2SA933S-T Q
Q5H1	350H5018	TR 2SC3811-TA R
Q501	350E3218	TR 2SC1740S-T R
Q502	350K4519	TR 2SA933-T S
Q503	35122700	TR 2SK699
Q504	35031112	TR 2SB1096 L
Q505	35070100	TR HPA100
Q506	35122500	TR 2SK758
Q507	35122500	TR 2SK758
Q508	35127300	TR 2SK947-M
Q509	351G0656	TR DTC143XS-T
Q510	35125400	TR IRF9610
Q511	350C1218	TR 2SB1329-T105 R
Q512	350G1018	TR 2SD2005-T105 R
Q513	350E4311	TR 2SC2001-T K
Q514	350K4412	TR 2SA952 L.AT
Q515	35125500	TR IRFPF40
Q517	35125400	TR IRF9610
Q518	350E3218	TR 2SC1740S-T R
Q519	350K5718	TR 2SA933S-T R
Q520	350E3218	TR 2SC1740S-T R
Q521	350K5718	TR 2SA933S-T R
Q522	350H5017	TR 2SC3811-TA Q

SYMBOL	PARTS NO	DESCRIPTION
*** DIODES ***		
D101	360K1027	DIODE 1SS132
D102	360K1027	DIODE 1SS132
D103	360K1027	DIODE 1SS132
D104	360K1027	DIODE 1SS132
D105	360K1027	DIODE 1SS132
D106	360K1027	DIODE 1SS132
D107	360K1027	DIODE 1SS132
D108	360K1027	DIODE 1SS132
D109	360K1027	DIODE 1SS132
D110	360K1027	DIODE 1SS132
D111	360K1027	DIODE 1SS132
D112	360K1027	DIODE 1SS132
D113	360K1027	DIODE 1SS132
D114	360K1027	DIODE 1SS132
D115	360K1027	DIODE 1SS132
D116	360K1027	DIODE 1SS132
D118	36801342	LED GL3EG8
D119	36801331	LED SLR-54MT3F/PO
D120	36801331	LED SLR-54MT3F/PO
$\Delta$ D2004	361K7562	DIODE EGP10G G23
$\Delta$ D2005	361K7562	DIODE EGP10G G23
D401	361K7160	DIODE TVR06G G23
D402	360K1027	DIODE 1SS132
D403	360K1027	DIODE 1SS132
D5A1	360K1027	DIODE 1SS132
D5A2	360K1027	DIODE 1SS132
D5A3	360K1027	DIODE 1SS132
D5A4	360K1027	DIODE 1SS132
D5A5	360K1027	DIODE 1SS132
D5A6	360K1027	DIODE 1SS132
D5A7	360K1027	DIODE 1SS132
D5A8	360K1027	DIODE 1SS132
D5A9	360K1027	DIODE 1SS132
D5C1	369K2136	DIODE RGP10G.AT
D5E1	360K5054	VARIATOR MA29W-A (TP)
D5E2	380K5054	VARIATOR MA29W-A (TP)
D501	36107293	DIODE RK14
D503	36107560	DIODE RG2A2

SYMBOL	PARTS NO	DESCRIPTION
▲D504	36107560	DIODE RG2A2
▲D505	360K1027	DIODE 1SS132
▲D506	360K1027	DIODE 1SS132
D507	360K1027	DIODE 1SS132
D508	36107507	DIODE RG4
D509	361K7160	DIODE TVR06G G23
D510	361K7562	DIODE EGP10G G23
D511	361K7562	DIODE EGP10G G23
D512	361K7562	DIODE EGP10G G23
D513	361K7562	DIODE EGP10G G23
D514	361K7160	DIODE TVR06G G23
D517	360K1027	DIODE 1SS132
D518	36107507	DIODE RG4
D519	361K7160	DIODE TVR06G G23
D521	361K7550	DIODE 1SR35-400A
D522	360K1027	DIODE 1SS132
D523	360K1027	DIODE 1SS132
D551	361K7630	DIODE EU 2YX V1
D552	361K7160	DIODE TVR06G G23
D553	361K7562	DIODE EGP10G G23
D555	360K1027	DIODE 1SS132
D556	360K1027	DIODE 1SS132
D557	361K7562	DIODE EGP10G G23
D558	361K7562	DIODE EGP10G G23
D571	360K1027	DIODE 1SS132
D591	360K1027	DIODE 1SS132
D592	360K1032	DIODE 1SS82-TA
D593	360K1032	DIODE 1SS82-TA
D701	360K1027	DIODE 1SS132
D702	360K1027	DIODE 1SS132
D703	360K1027	DIODE 1SS132
D704	360K1027	DIODE 1SS132
D705	360K1027	DIODE 1SS132
D706	360K1027	DIODE 1SS132
D707	360K1027	DIODE 1SS132
D708	360K1027	DIODE 1SS132
D709	360K1027	DIODE 1SS132
D710	360K1027	DIODE 1SS132
D711	360K1027	DIODE 1SS132

SYMBOL	PARTS NO	DESCRIPTION
D712	360K1027	DIODE 1SS132
D713	360K1027	DIODE 1SS132
D715B	360K1027	DIODE 1SS132
D715G	360K1027	DIODE 1SS132
D715R	360K1027	DIODE 1SS132
D720	360K1027	DIODE 1SS132
D721	380K5054	VARIABLE MA29W-A (TP)
D722	360K1027	DIODE 1SS132
D760B	360K1032	DIODE 1SS82-TA
D760G	360K1032	DIODE 1SS82-TA
D760R	360K1032	DIODE 1SS82-TA
D761B	360K1032	DIODE 1SS82-TA
D761G	360K1032	DIODE 1SS82-TA
D761R	360K1032	DIODE 1SS82-TA
D781B	360K1032	DIODE 1SS82-TA
D781G	360K1032	DIODE 1SS82-TA
D781R	360K1032	DIODE 1SS82-TA
D782	360K1037	DIODE 1SS83
D801	360K1027	DIODE 1SS132
D802	360K1027	DIODE 1SS132
D803	360K1027	DIODE 1SS132
ZD4A1	360A0039	DIODE MTZJ5.6B T-72
ZD4A2	360K3694	DIODE RD2ESB(1)/ESAB(1)
ZD401	360A0094	DIODE MTZJ20D
ZD402	360K3602	DIODE RD2.0ESB(1)-T4
ZD5A2	360A0035	DIODE MTZJ5.1B T-72
ZD5A3	360A0056	DIODE MTZJ8.2C T-72
ZD5A4	360A0054	DIODE MTZJ8.2A T-72
ZD5A5	360A0035	DIODE MTZJ5.1B T-72
ZD502	360K3143	DIODE RD8.2JSB(1)-T4
ZD503	360K3659	DIODE RD9.1ESB(2)-T4
ZD504	360K3834	DIODE MTZ11ABC T-72
ZD507	360K3660	DIODE RD9.1ESB(3)-T4
ZD510	360K3658	DIODE RD9.1ESB(1)-T4
ZD553	360K3134	DIODE RD15EB(2)-T4
ZD557	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD558	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD559	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD560	360K3624	DIODE RD3.9ESB(2)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD561	360K3624	DIODE RD3.9ESB(2)-T4
ZD562	360K3624	DIODE RD3.9ESB(2)-T4
ZD563	360K3635	DIODE RD5.1ESB(2)-T4
ZD564	360K3624	DIODE RD3.9ESB(2)-T4
ZD565	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD570	36003662	DIODE RD10ESB (1)
ZD760	360A0056	DIODE MTZJ8.2C T-72
ZD851	360K3634	DIODE RD5.1ESB(1)-T4
ZD852	360A0030	DIODE MTZJ4.7A T-72
ZD853	360A0038	DIODE MTZJ5.6A T-72
ZD854	360A0009	DIODE MTZJ2.4B T-72

\*\*\* TRANSFORMERS \*\*\*

L507	46206002	TRANS. CHOKE 8MH
T501	45804009	TRANS. H. DRIVE
T502	47710014	TRANS. H. OUT
▲T503	47105673	F. B. T
T551	46304113	TRANS. CONVERTER

\*\*\* VARIABLE RESISTORS \*\*\*

VR101	41011121	R.VARIABLE B50K
VR102	41011121	R.VARIABLE B50K
VR401	41071359	R.VARIABLE B2.2K
VR402	41071363	R.VARIABLE B10K
VR403	41087010	R.VARIABLE 20K 0.2W
VR404	410G1167	R.VARIABLE B47K
VR431	410G1161	R.VARIABLE B4.7K
VR501	410G1163	R.VARIABLE B10K
VR502	41087005	R.VARIABLE B2K
VR503	41087005	R.VARIABLE B1K
VR505	415K5158	R.VARIABLE B10K
VR551	41071360	R.VARIABLE B3.3K
VR552	41599203	R.VARIABLE B200H
VR701	410G2060	R.VARIABLE B20K
VR702	410G2060	R.VARIABLE B20K
VR703	410G2060	R.VARIABLE B20K
VR704	410G2061	R.VARIABLE B30
VR705	410G2061	R.VARIABLE B30
VR706	410G2061	R.VARIABLE B30
VR707	410G2062	R.VARIABLE B50K

SYMBOL	PARTS NO	DESCRIPTION
VR708	410G2062	R.VARIABLE B50K
VR709	410G2062	R.VARIABLE B50K
VR710	410G2064	R.VARIABLE B200K
VR851	41018255	R.VARIABLE B1K
VR852	41087005	R.VARIABLE B1K
VR854	410G1159	R.VARIABLE B2.2K

\*\*\* RELAYS & SWITCHES \*\*\*

▲RL501	65660013	RELAY VE 24HME-K
RL502	65660028	RELAY SY-24W-K
SW	65360027	SWTCH. PUSH BUTTON
SW101	653F0033	SWTCH. PUSH BUTTON
SW102	653F0033	SWTCH. PUSH BUTTON
SW103	653F0033	SWTCH. PUSH BUTTON
SW104	653F0033	SWTCH. PUSH BUTTON
SW105	653F0033	SWTCH. PUSH BUTTON
SW106	653F0033	SWTCH. PUSH BUTTON
SW107	653F0033	SWTCH. PUSH BUTTON
SW108	653F0033	SWTCH. PUSH BUTTON
SW109	653F0033	SWTCH. PUSH BUTTON
SW110	653F0033	SWTCH. PUSH BUTTON
SW111	65161059	SWTCH. SLIDE 1-6L-3NS
SW112	65161048	SWTCH. SLIDE

\*\*\* COILS & FILTERS \*\*\*

DG	61315203	COIL, DEGAUSSING
FC701	39013039	C.NETWORK 25V 0.1UF
FC850	39013039	C.NETWORK 25V 0.1UF
FC851	39013041	C.NETWORK 25V 0.1UF
FC852	39013044	C.NETWORK 25V 0.1UF
FC853	39013041	C.NETWORK 25V 0.1UF
FL001	61052076	POWER LINE FILTER
FR850	390C0437	R.NETWORK 3*10K 5% 1/8W
FR851	390C0432	R.NETWORK 6*10K 5% 1/8W
FR852	390C0451	R.NETWORK 10K 5% 1/8W
LC701	390J9027	FILTER ZJSC-R12-100TA
LC702	390J9027	FILTER ZJSC-R12-100TA
LC703	390J9027	FILTER ZJSC-R12-100TA
LC760	616K6945	NOISE FILTER TH18103MA

SYMBOL	PARTS NO	DESCRIPTION
LC781	616K6027	NOISE FILTER 2A222-TA
LC782	616K6966	NOISE FILTER
LC783	616K6028	NOISE FILTER 1H223X-TA
LC801	61606822	NOISE FILTER 50V 47UH
LC802	390J9015	FILTER ZJSC-2R2-101TA
LC803	390J9015	FILTER ZJSC-2R2-101TA
LC804	390J9015	FILTER ZJSC-2R2-101TA
LC805	390J9015	FILTER ZJSC-2R2-101TA
LC850	616K6718	NOISE FILTER 10000UH
LC901	616K6028	NOISE FILTER 1H223X-TA
LC902	616K6075	NOISE FILTER
L401	610F7025	COIL FILTER 47UH
LSA1	610E1717	COIL FILTER 10UH
LSA2	610E1717	COIL FILTER 10UH
LSA3	610E1717	COIL FILTER 10UH
LSA4	610E1717	COIL FILTER 10UH
△L501	60919128	COIL H.LIN
L502	60919129	COIL H.LIN
△L503	61070180	COIL CHOKE 4MH
L504	61070235	FILTER CHOKE 4MH
L505	610F3025	COIL FILTER 47UH
L509	610F3025	COIL FILTER 47UH
△L510	61070181	COIL CHOKE PJ87-102K
L512	61070181	COIL CHOKE PJ87-102K
L551	610F3025	COIL FILTER 47UH
L552	610F3025	COIL FILTER 47UH
L553	610F7018	COIL FILTER 12UH
L7018	610E1726	COIL FILTER 56UH
L701G	610E1726	COIL FILTER 56UH
L701R	610E1726	COIL FILTER 56UH
L720	610E1729	COIL FILTER 100UH
L761	610E1711	COIL FILTER 3.3UH
L801	610F7010	COIL FILTER 2.7UH
L901	610F5804	COIL FILTER 0.47UH
L902	610F5804	COIL FILTER 0.47UH
L903	610F5804	COIL FILTER 0.47UH

SYMBOL	PARTS NO	DESCRIPTION
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*** PWB ASSYS ***		
	84N40C01	VIDEO PWB ASSY
	84N40E01	UNIT PWB ASSY
	84N43F01	MAIN PWB ASSY
	84N44L01	CONTROL PWB ASSY

*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***		
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CABLE VMB-2(T) HS401	70032056 74004891 73893103 70800066 31709202	CRT SOCKET CAP CABLE SIGNAL LINE CORD E-3 #8011 SHEET INSULATOR
HS505	31709507	SHEET INSULATOR HEAT SINK
HS515	31709505	SHEET INSULATOR
L506	49801010	INDUCTOR DUMMY
SG901	329J0047	ARRESTER (300V).AT52
SG902	329J0047	ARRESTER (300V).AT52
SG903	329J0047	ARRESTER (300V).AT52
SG904	329J0047	ARRESTER (300V).AT52
SG905	667K6007	SPARK GAP 1.5KV
△SW-PS UNIT2	31104020 79100031	SW REG UNIT (SMP-12CBB-1) UNIT 2 (HV PROTECTOR)
X1	64099072	CRYSTAL RESONATOR

*** APPEARANCE PARTS ***		
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	25313822 25419001 25317611 25313791	CABINET BOTTOM REVOLVING STAND ASSY CABINET FRONT ASSY CABINET BACK ASSY
	25419021 25534631 25757643 25779931	REVOLVING SPINDLE COIL SPRING LABEL (REV.) NAME PLATE INSTRUCTION

SYMBOL	PARTS NO	DESCRIPTION
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*** KNOBS & PUSH BUTTONS ***		
	25454671 25454681 25454691	PUSH BUTTON (SW) KNOB CONTRCL KNOB SLIDE

*** PRINTED & PACKING MATERIALS ***		
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	24813191 25607291 25823181 25823192 25825501	BAG POLYETHYLENE (150*370) SLIDE SHEET FILLER (T) CARTON FILLER (B) CARTON SHEET PROTECTION
	25828831 78034408 78127522	CARTON BOX (JC-1531VMB-2) MONITOR SALES OFFICE LIST INSTRUCTION BOOK

*** RESISTORS ***		
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C790	401J9820	R.CARBON 0 OH
R101	401J9820	R.CARBON 0 OH
R105	401H5671	R.CARBON 820H 5% 1/2W
R106	401K5659	R.CARBON 270H 5% 1/6W
	401K5697	R.CARBON 10K 5% 1/6W
R4A0	404C1723	R.METAL 120K 1% 1/6W
R4A1	404C1704	R.METAL 20K 1% 1/6W
R4A2	404C1723	R.METAL 120K 1% 1/6W
R4A3	404C1704	R.METAL 20K 1% 1/6W
R4A5	404C1723	R.METAL 120K 1% 1/6W
R4A6	404C1723	R.METAL 120K 1% 1/6W
R4A7	404C1697	R.METAL 10K 1% 1/6W
R4A8	404C1733	R.METAL 330K 1% 1/6W
R4A9	404C1727	R.METAL 180K 1% 1/6W
R4C0	404C1727	R.METAL 180K 1% 1/6W
R4C1	404C1727	R.METAL 180K 1% 1/6W
R4C2	404C1727	R.METAL 180K 1% 1/6W
R4C3	404C1727	R.METAL 180K 1% 1/6W
R4C4	404C1727	R.METAL 180K 1% 1/6W
R4C5	404C1727	R.METAL 180K 1% 1/6W
R4C5	401K5731	R.CARBON 270K 5% 1/6W
R4C7	404C1727	R.METAL 180K 1% 1/6W
R4C8	401K5681	R.CARBON 2.2K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
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R4C9	401K5677	R.CARBON 1.5K 5% 1/6W
R4D0	401K5647	R.CARBON 82H 5% 1/6W
R4D1	404C1704	R.METAL 20K 1% 1/6W
R4D2	401K5721	R.CARBON 100K 5% 1/6W
R4D3	401K5625	R.CARBON 10H 5% 1/6W
R4D5	404C1713	R.METAL 47K 1% 1/6W
R4D6	404C1737	R.METAL 470K 1% 1/6W
R4D7	401K5705	R.CARBON 22K 5% 1/6W
R4D8	404C1728	R.METAL 200K 1% 1/6W
R4D9	401K5689	R.CARBON 4.7K 5% 1/6W
R4E0	401K5705	R.CARBON 22K 5% 1/6W
R4E1	401K5697	R.CARBON 10K 5% 1/6W
R4E2	401K5697	R.CARBON 10K 5% 1/6W
R4E3	401K5697	R.CARBON 10K 5% 1/6W
R4E4	401K5697	R.CARBON 10K 5% 1/6W
R401	401K5709	R.CARBON 33K 5% 1/6W
R402	401K5683	R.CARBON 2.7K 5% 1/6W
R403	403F2101	R.METAL 1.0H 5% 2W
R404	404C1703	R.METAL 18K 1% 1/6W
R405	404C1703	R.METAL 18K 1% 1/6W
R406	401K5709	R.CARBON 33K 5% 1/6W
R407	401H5651	R.CARBON 120H 5% 1/2W
R408	401K5611	R.CARBON 2.7H 5% 1/6W
R409	401K5721	R.CARBON 100K 5% 1/6W
△R410	403F2151	R.METAL OXIDE 120H 5% 2W
R411	401G6117	R.CARBON 4.7H 5% 1/4W
R412	401K5689	R.CARBON 4.7K 5% 1/6W
R413	401K5673	R.CARBON 1.0K 5% 1/6W
R414	401K5673	R.CARBON 1.0K 5% 1/6W
R415	401K5661	R.CARBON 330H 5% 1/6W
R420	401K5673	R.CARBON 1.0K 5% 1/6W
R421	404C1728	R.METAL 200K 1% 1/6W
R422	401K5689	R.CARBON 4.7K 5% 1/6W
R423	404C1740	R.METAL 620K 1% 1/6W
R425	404C1700	R.METAL 13K 1% 1/6W
R426	404C1724	R.METAL 130K 1% 1/6W
R427	404C1697	R.METAL 10K 1% 1/6W
R431	401K5689	R.CARBON 4.7K 5% 1/6W
R432	401K5673	R.CARBON 1.0K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R433	401K5713	R.CARBON 47K 5% 1/6W
R434	401K5713	R.CARBON 47K 5% 1/6W
R435	401K5689	R.CARBON 4.7K 5% 1/6W
R436	401K5689	R.CARBON 4.7K 5% 1/6W
R437	401K5681	R.CARBON 2.2K 5% 1/6W
R5A1	401K5673	R.CARBON 1.0K 5% 1/6W
R5A2	401K5705	R.CARBON 22K 5% 1/6W
R5A3	401K5689	R.CARBON 4.7K 5% 1/6W
R5A4	401K5697	R.CARBON 10K 5% 1/6W
R5A5	401K5691	R.CARBON 5.6K 5% 1/6W
R5A6	401K5705	R.CARBON 22K 5% 1/6W
R5A7	401K5699	R.CARBON 12K 5% 1/6W
R5A8	401K5687	R.CARBON 3.9K 5% 1/6W
R5A9	401K5677	R.CARBON 1.5K 5% 1/6W
R5C0	404C1705	R.METAL 22K 1% 1/6W
R5C1	404C1711	R.METAL 39K 1% 1/6W
R5C3	401K5635	R.CARBON 27H 5% 1/6W
R5C4	401K5689	R.CARBON 4.7K 5% 1/6W
R5C5	401K5683	R.CARBON 2.7K 5% 1/6W
R5C7	404C1699	R.METAL 12K 1% 1/6W
R5C8	404C1684	R.METAL 3.0K 1% 1/6W
R5C9	401K5697	R.CARBON 10K 5% 1/6W
R5D1	401K5745	R.CARBON 1.0M 5% 1/6W
R5D2	404C1697	R.METAL 10K 1% 1/6W
R5D4	401K5697	R.CARBON 10K 5% 1/6W
R5D5	401K5695	R.CARBON 8.2K 5% 1/6W
R5D6	404C1707	R.METAL 27K 1% 1/6W
R5D8	404C1673	R.METAL 1.0K 1% 1/6W
R5D9	404C1685	R.METAL 3.3K 1% 1/6W
R5E1	404C1697	R.METAL 10K 1% 1/6W
R5E2	404C1731	R.METAL 270K 1% 1/6W
R5E3	404C1733	R.METAL 330K 1% 1/6W
R5E4	401K5745	R.CARBON 1.0M 5% 1/6W
△R5E5	401K5693	R.CARBON 6.8K 5% 1/6W
R5E6	401K5709	R.CARBON 33K 5% 1/6W
R5E7	401K5705	R.CARBON 22K 5% 1/6W
R5E8	401K5691	R.CARBON 5.6K 5% 1/6W
R5E9	401K5695	R.CARBON 8.2K 5% 1/6W
R5F0	401K5745	R.CARBON 1.0M 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R513	401H6659	R.CARBON 270H 5% 1/2W
R514	401K5649	R.CARBON 100H 5% 1/6W
R515	401K5649	R.CARBON 100H 5% 1/6W
R516	401K5649	R.CARBON 100H 5% 1/6W
△R518	401G6101	R.CARBON 1.0H 5% 1/4W
△R519	401G6101	R.CARBON 1.0H 5% 1/4W
△R520	401G6167	R.CARBON 560H 5% 1/4W
△R521	401G6143	R.CARBON 56H 5% 1/4W
R522	401C6657	R.CARBON 220H 5% 1/4W
R523	401C6697	R.CARBON 10K 5% 1/4W
R524	401K5695	R.CARBON 8.2K 5% 1/6W
R525	401K5721	R.CARBON 100K 5% 1/6W
R526	401K5733	R.CARBON 330K 5% 1/6W
R527	404C1695	R.METAL 8.2K 1% 1/6W
R528	404C1673	R.METAL 1.0K 1% 1/6W
R529	401K5697	R.CARBON 10K 5% 1/6W
R530	404C1697	R.METAL 10K 1% 1/6W
R531	401C6677	R.CARBON 1.5K 5% 1/4W
R532	401C6629	R.CARBON 15H 5% 1/4W
△R533	401H5687	R.CARBON 3.9K 5% 1/2W
R534	401K5731	R.CARBON 270K 5% 1/6W
R535	401K5729	R.CARBON 220K 5% 1/6W
△R536	401G6109	R.CARBON 2.2H 5% 1/4W
△R537	401G6109	R.CARBON 2.2H 5% 1/4W
R538	401G6109	R.CARBON 2.2H 5% 1/4W
△R540	403F1107	R.METAL 1.8H 5% 1W
R541	401H5697	R.CARBON 10K 5% 1/2W
R544	401C6673	R.CARBON 1.0K 5% 1/4W
R545	401C6697	R.CARBON 10K 5% 1/4W
R546	401K5733	R.CARBON 330K 5% 1/6W
R547	401K5733	R.CARBON 330K 5% 1/6W
R548	40372133	R.METAL 22H 5% 2W
R549	404C1739	R.METAL 560K 1% 1/6W
R553	401K5689	R.CARBON 4.7K 5% 1/6W
△R554	403F1101	R.METAL OXIDE 1H 5% 1W
△R555	401G6101	R.CARBON 1.0H 5% 1/4W
R559	401K5697	R.CARBON 10K 5% 1/6W
R560	401H5681	R.CARBON 2.2K 5% 1/2W
R561	401H5665	R.CARBON 470H 5% 1/2W
R562	404C1724	R.METAL 130K 1% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5F1	401K5695	R.CARBON 8.2K 5% 1/6W
R5F2	401K5675	R.CARBON 1.2K 5% 1/6W
R5F3	401K5697	R.CARBON 10K 5% 1/6W
R5F4	401K5715	R.CARBON 56K 5% 1/6W
R5F5	401K5697	R.CARBON 10K 5% 1/6W
R5F6	401K5691	R.CARBON 5.6K 5% 1/6W
R5F7	401K5721	R.CARBON 100K 5% 1/6W
R5F8	401C6761	R.CARBON 4.7M 5% 1/4W
R5F9	401K5721	R.CARBON 100K 5% 1/6W
R5G0	401K5697	R.CARBON 10K 5% 1/6W
R5G1	401K5701	R.CARBON 15K 5% 1/6W
R5G2	401K5705	R.CARBON 22K 5% 1/6W
R5G3	401K5713	R.CARBON 47K 5% 1/6W
R5G4	401K5745	R.CARBON 1.0M 5% 1/6W
R5G5	401K5697	R.CARBON 10K 5% 1/6W
R5G6	401K5691	R.CARBON 5.6K 5% 1/6W
R5G7	401K5697	R.CARBON 10K 5% 1/6W
R5G8	401K5709	R.CARBON 33K 5% 1/6W
R5H2	401K5665	R.CARBON 470H 5% 1/6W
R5H3	401K5697	R.CARBON 10K 5% 1/6W
R5H4	401K5693	R.CARBON 6.8K 5% 1/6W
R5H5	401K5697	R.CARBON 10K 5% 1/6W
R5J0	401H5653	R.CARBON 150H 5% 1/2W
R5J2	403F2165	R.METAL 470H 5% 2W
R5K1	401K5715	R.CARBON 56K 5% 1/6W
R5K2	401K5715	R.CARBON 56K 5% 1/6W
R5K3	401K5715	R.CARBON 56K 5% 1/6W
R5L7	401K5697	R.CARBON 10K 5% 1/6W
R5O1	401K5675	R.CARBON 1.2K 5% 1/6W
R5O2	401K5661	R.CARBON 330H 5% 1/6W
R5O4	401C6673	R.CARBON 1.0K 5% 1/4W
R5O5	401K5673	R.CARBON 1.0K 5% 1/6W
△R5O6	40175137	R.CARBON 33H 5% 1/4W
△R5O7	40801004	R.FUSE 1.0H 500MA
R5O8A	403F2145	R.METAL 68H 5% 2W
R5O8B	403F1137	R.METAL 33H 5% 1W
R5O9	401C6657	R.CARBON 220H 5% 1/4W
R510	40216266	R.WIRE 2.4H 5% 7W
R511	40372107	R.METAL 1.8H 5% 2W
△R512	401H6653	R.CARBON 150H 5% 1/2W

SYMBOL	PARTS NO	DESCRIPTION
R563	401K5681	R.CARBON 2.2K 5% 1/6W
△R570	401G6133	R.CARBON 22H 5% 1/4W
△R571	401G6133	R.CARBON 22H 5% 1/4W
R572	401H5687	R.CARBON 3.9K 5% 1/2W
R573	401K5697	R.CARBON 10K 5% 1/6W
R574	401K5697	R.CARBON 10K 5% 1/6W
R575	401C6689	R.CARBON 4.7K 5% 1/4W
R576	401K5705	R.CARBON 22K 5% 1/6W
R577	401K5673	R.CARBON 1.0K 5% 1/6W
R578	403F1177	R.METAL OXIDE 1.5K 5% 1W
R580	401K5625	R.CARBON 10H 5% 1/6W
R581	401K5625	R.CARBON 10H 5% 1/6W
R582	401K5625	R.CARBON 10H 5% 1/6W
R583	401K5619	R.CARBON 5.6H 5% 1/6W
R591	401K5697	R.CARBON 10K 5% 1/6W
R592	401K5713	R.CARBON 47K 5% 1/6W
R593	401K5697	R.CARBON 10K 5% 1/6W
R594	401K5691	R.CARBON 5.6K 5% 1/6W
R595	401K5721	R.CARBON 100K 5% 1/6W
R701B	404K2646	R.METAL 75H 1% 1/4W
R701G	404K2646	R.METAL 75H 1% 1/4W
R701R	404K2646	R.METAL 75H 1% 1/4W
R702B	401K5695	R.CARBON 8.2K 5% 1/6W
R702G	401K5695	R.CARBON 8.2K 5% 1/6W
R702R	401K5695	R.CARBON 8.2K 5% 1/6W
R703B	401K5697	R.CARBON 10K 5% 1/6W
R703G	401K5697	R.CARBON 10K 5% 1/6W
R703R	401K5697	R.CARBON 10K 5% 1/6W
R704B	401K5659	R.CARBON 270H 5% 1/6W
R704G	401K5659	R.CARBON 270H 5% 1/6W
R704R	401K5659	R.CARBON 270H 5% 1/6W
R705B	401K5667	R.CARBON 560H 5% 1/6W
R705G	401K5667	R.CARBON 560H 5% 1/6W
R705R	401K5667	R.CARBON 560H 5% 1/6W
R706B	401K5673	R.CARBON 1.0K 5% 1/6W
R706G	401K5673	R.CARBON 1.0K 5% 1/6W
R706R	401K5673	R.CARBON 1.0K 5% 1/6W
R710B	401K5653	R.CARBON 150H 5% 1/6W
R710G	401K5653	R.CARBON 150H 5% 1/6W
R710R	401K5653	R.CARBON 150H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R711B	401K5669	R. CARBON 680H 5% 1/5W
R711G	401K5669	R. CARBON 680H 5% 1/5W
R711R	401K5669	R. CARBON 680H 5% 1/5W
R712B	401K5649	R. CARBON 100H 5% 1/5W
R712G	401K5649	R. CARBON 100H 5% 1/5W
R712R	401K5649	R. CARBON 22K 5% 1/5W
R713B	401K5705	R. CARBON 22K 5% 1/5W
R713G	401K5705	R. CARBON 22K 5% 1/5W
R713R	401K5705	R. CARBON 22K 5% 1/5W
R716	401K5695	R. CARBON 8.2K 5% 1/5W
R717	401K5697	R. CARBON 10K 5% 1/5W
R718	401K5649	R. CARBON 100H 5% 1/5W
R720B	401K5687	R. CARBON 3.9K 5% 1/5W
R720G	401K5687	R. CARBON 3.9K 5% 1/5W
R720R	401K5687	R. CARBON 3.9K 5% 1/5W
R721	404C1700	R. METAL 13K 1% 1/5W
R722	404C1709	R. METAL 33K 1% 1/5W
R723	404C1682	R. METAL 2.4K 1% 1/5W
R724	404C1663	R. METAL 390H 1% 1/5W
R726B	401K5669	R. CARBON 680H 5% 1/5W
R726G	401K5669	R. CARBON 680H 5% 1/5W
R726R	401K5669	R. CARBON 680H 5% 1/5W
R727	401K5699	R. CARBON 12K 5% 1/5W
R728	401K5691	R. CARBON 5.6K 5% 1/5W
R729	401K5689	R. CARBON 4.7K 5% 1/5W
R730	401K5689	R. CARBON 4.7K 5% 1/5W
R731B	401J9820	R. CARBON 0.0H
R731R	401J9820	R. CARBON 0.0H
R733	401K5649	R. CARBON 100H 5% 1/5W
R750B	401K5657	R. CARBON 220H 5% 1/5W
R750G	401K5657	R. CARBON 220H 5% 1/5W
R750R	401K5657	R. CARBON 220H 5% 1/5W
R751B	401K5655	R. CARBON 180H 5% 1/5W
R751G	401K5655	R. CARBON 180H 5% 1/5W
R751R	401K5655	R. CARBON 180H 5% 1/5W
R760B	401K5655	R. CARBON 180H 5% 1/5W
R760G	401K5655	R. CARBON 180H 5% 1/5W
R760R	401K5655	R. CARBON 180H 5% 1/5W
R761B	401C6635	R. CARBON 27H 5% 1/4W
R761G	401C6635	R. CARBON 27H 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R761R	401C6635	R. CARBON 27H 5% 1/4W
R762	401K5667	R. CARBON 560H 5% 1/5W
R770	401K5673	R. CARBON 1.0K 5% 1/5W
R771	401K5673	R. CARBON 1.0K 5% 1/5W
R772	401K5679	R. CARBON 1.8K 5% 1/5W
R774B	401K5663	R. CARBON 390H 5% 1/5W
R774G	401K5663	R. CARBON 390H 5% 1/5W
R774R	401K5663	R. CARBON 390H 5% 1/5W
R775B	401K5673	R. CARBON 1.0K 5% 1/5W
R775G	401K5673	R. CARBON 1.0K 5% 1/5W
R775R	401K5673	R. CARBON 1.0K 5% 1/5W
R776	401K5653	R. CARBON 150H 5% 1/5W
R778	401K5731	R. CARBON 270K 5% 1/5W
R780B	401K5731	R. CARBON 270K 5% 1/5W
R780G	401K5731	R. CARBON 270K 5% 1/5W
R780R	401K5731	R. CARBON 270K 5% 1/5W
R781B	401K5729	R. CARBON 220K 5% 1/5W
R781G	401K5729	R. CARBON 220K 5% 1/5W
R781R	401K5729	R. CARBON 220K 5% 1/5W
R782B	401K5723	R. CARBON 120K 5% 1/5W
R782G	401K5723	R. CARBON 120K 5% 1/5W
R782R	401K5723	R. CARBON 120K 5% 1/5W
R783B	401K5709	R. CARBON 33K 5% 1/5W
R783G	401K5709	R. CARBON 33K 5% 1/5W
R783R	401K5709	R. CARBON 33K 5% 1/5W
R784B	401K5701	R. CARBON 15K 5% 1/5W
R784G	401K5701	R. CARBON 15K 5% 1/5W
R784R	401K5701	R. CARBON 15K 5% 1/5W
R785B	401K5703	R. CARBON 18K 5% 1/5W
R785G	401K5703	R. CARBON 18K 5% 1/5W
R785R	401K5703	R. CARBON 18K 5% 1/5W
R786	401K5749	R. CARBON 1.5M 5% 1/5W
R787	401K5673	R. CARBON 1.0K 5% 1/5W
R789	401K5753	R. CARBON 2.2M 5% 1/5W
R790	401K5689	R. CARBON 4.7K 5% 1/5W
R791	401K5697	R. CARBON 10K 5% 1/5W
R792	401K5685	R. CARBON 3.3K 5% 1/5W
R8A0	404C1708	R. METAL 30K 1% 1/5W
R8A1	404C1697	R. METAL 10K 1% 1/5W
R8A3	401K5697	R. CARBON 10K 5% 1/5W
R8A4	401K5665	R. CARBON 470H 5% 1/5W

SYMBOL	PARTS NO	DESCRIPTION
R8A5	401K5685	R. CARBON 3.3K 5% 1/5W
R8A6	401K5681	R. CARBON 2.2K 5% 1/5W
R8A8	401K5691	R. CARBON 5.6K 5% 1/5W
R8A9	401K5657	R. CARBON 220H 5% 1/5W
R8B0	401K5689	R. CARBON 4.7K 5% 1/5W
R8B1	401K5689	R. CARBON 4.7K 5% 1/5W
R8B2	401K5689	R. CARBON 4.7K 5% 1/5W
R8B3	401K5691	R. CARBON 5.6K 5% 1/5W
R8B4	401K5691	R. CARBON 5.6K 5% 1/5W
R8B5	401K5691	R. CARBON 5.6K 5% 1/5W
R8B6	401K5691	R. CARBON 5.6K 5% 1/5W
R8B7	401K5697	R. CARBON 10K 5% 1/5W
R8B8	401K5721	R. CARBON 100K 5% 1/5W
R8C0	401K5673	R. CARBON 1.0K 5% 1/5W
R8C1	404C1661	R. METAL 330H 1% 1/5W
R8C2	404C1663	R. METAL 390H 1% 1/5W
R8C3	401K5697	R. CARBON 10K 5% 1/5W
R8C4	401K5713	R. CARBON 47K 5% 1/5W
R8C0	401K5679	R. CARBON 1.8K 5% 1/5W
R8E1	404K5125	R. METAL 10H 5% 1/4W
R801	401K5711	R. CARBON 39K 5% 1/5W
R802	401K5707	R. CARBON 27K 5% 1/5W
R803	401K5679	R. CARBON 1.8K 5% 1/5W
R804	404C1705	R. METAL 22K 1% 1/5W
R805	401K5711	R. CARBON 39K 5% 1/5W
R806	401K5707	R. CARBON 27K 5% 1/5W
R807	401K5679	R. CARBON 1.8K 5% 1/5W
R808	401K5705	R. CARBON 22K 5% 1/5W
R809	401K5707	R. CARBON 27K 5% 1/5W
R810	401K5673	R. CARBON 1.0K 5% 1/5W
R811	401K5673	R. CARBON 1.0K 5% 1/5W
R812	401K5683	R. CARBON 2.7K 5% 1/5W
R813	401K5697	R. CARBON 10K 5% 1/5W
R814	401K5691	R. CARBON 5.6K 5% 1/5W
R815	401K5721	R. CARBON 100K 5% 1/5W
R816	401K5673	R. CARBON 1.0K 5% 1/5W
R817	401K5717	R. CARBON 68K 5% 1/5W
R819	401K5717	R. CARBON 68K 5% 1/5W
R821	401K5653	R. CARBON 150H 5% 1/5W
R822	401K5667	R. CARBON 560H 5% 1/5W

SYMBOL	PARTS NO	DESCRIPTION
R823	401K5667	R. CARBON 560H 5% 1/5W
R825	401K5667	R. CARBON 560H 5% 1/5W
R826	401K5673	R. CARBON 1.0K 5% 1/5W
R827	401K5673	R. CARBON 1.0K 5% 1/5W
R830	401K5705	R. CARBON 22K 5% 1/5W
R840	401K5625	R. CARBON 10H 5% 1/5W
R841	401K5659	R. CARBON 270H 5% 1/5W
R841	401K5703	R. CARBON 18K 5% 1/5W
R842	401K5661	R. CARBON 330H 5% 1/5W
R842	401K5671	R. CARBON 820H 5% 1/5W
R843	401K5739	R. CARBON 560K 5% 1/5W
R844	401K5739	R. CARBON 560K 5% 1/5W
R845	401K5739	R. CARBON 560K 5% 1/5W
R846	401K5739	R. CARBON 560K 5% 1/5W
R856	401K5697	R. CARBON 10K 5% 1/5W
R857	401K5713	R. CARBON 47K 5% 1/5W
R859	401K5691	R. CARBON 5.6K 5% 1/5W
R860	401K5691	R. CARBON 5.6K 5% 1/5W
R861	401K5691	R. CARBON 5.6K 5% 1/5W
R865	401K5691	R. CARBON 5.6K 5% 1/5W
R866	401K5691	R. CARBON 5.6K 5% 1/5W
R867	401K5691	R. CARBON 5.6K 5% 1/5W
R868	401K5691	R. CARBON 5.6K 5% 1/5W
R869	401K5691	R. CARBON 5.6K 5% 1/5W
R870	401K5691	R. CARBON 5.6K 5% 1/5W
R871	401K5691	R. CARBON 5.6K 5% 1/5W
R872	401K5691	R. CARBON 5.6K 5% 1/5W
R873	401K5691	R. CARBON 5.6K 5% 1/5W
R874	401K5691	R. CARBON 5.6K 5% 1/5W
R875	401K5691	R. CARBON 5.6K 5% 1/5W
R887	401K5713	R. CARBON 47K 5% 1/5W
R888	401K5673	R. CARBON 1.0K 5% 1/5W
R889	401K5673	R. CARBON 1.0K 5% 1/5W
R890	404C1677	R. METAL 1.5K 1% 1/5W
R891	404C1679	R. METAL 1.8K 1% 1/5W
R892	401K5653	R. CARBON 150H 5% 1/5W
R893	404C1659	R. METAL 270H 1% 1/5W
R894	401K5673	R. CARBON 1.0K 5% 1/5W
R895	404C1659	R. METAL 270H 1% 1/5W
R896	404C1660	R. METAL 300H 1% 1/5W

SYMBOL	PARTS NO	DESCRIPTION
R897	404C1662	R.METAL 360H 1% 1/6W
R898	40431645	R.METAL 68H 1% 1/6W
R899	401K5673	R.CARBON 1.0K 5% 1/6W
R904	401H5637	R.CARBON 33H 5% 1/2W
R905	401H5637	R.CARBON 33H 5% 1/2W
R906	401H5637	R.CARBON 33H 5% 1/2W
R907	401K5633	R.CARBON 22H 5% 1/6W
R908	401H5649	R.CARBON 100H 5% 1/2W
R909	401C6689	R.CARBON 4.7K 5% 1/4W

\*\*\* CAPACITORS \*\*\*

C101	421C3479	C.CERAMIC 50V 0.1UF
C2003	430B6065	C.ELEC 50V 10UF
C2004	430B6065	C.ELEC 50V 10UF
C2005	421C0225	C.CERAMIC 50V 0.01UF
C4A1	427F4613	C.FILM 50V 0.01UF
C4A2	427F4614	C.FILM 50V 0.012UF
C4A3	421C3479	C.CERAMIC 50V 0.1UF
C4A4	427F4625	C.FILM 50V 0.1UF
C4A5	421C3479	C.CERAMIC 50V 0.1UF
C4A6	421C3479	C.CERAMIC 50V 0.1UF
C4A7	428B3025	C.METAL FILM 50V 1.0UF
C4A8	421C3479	C.CERAMIC 50V 0.1UF
C4A9	421C3479	C.CERAMIC 50V 0.1UF
C4C0	430B9016	C.ELEC 10V 1000PF
C4C1	421C3479	C.CERAMIC 50V 0.1UF
C4C2	430C0065	C.ELEC 35V 10UF
C4C3	430C0065	C.ELEC 35V 10UF
C4C4	421C3479	C.CERAMIC 50V 0.1UF
C4C5	430B6068	C.ELEC 50V 47UF
C4C6	421C3479	C.CERAMIC 50V 0.1UF
C4C7	430B8155	C.ELEC 25V 47UF
C4C8	421C3479	C.CERAMIC 50V 0.1UF
C4C9	430B8155	C.ELEC 25V 47UF
C4E0	421C3479	C.CERAMIC 50V 0.1UF
C4E2	421C3479	C.CERAMIC 50V 0.1UF
C4E4	421C3479	C.CERAMIC 50V 0.1UF
C4E5	421C0213	C.CERAMIC 50V 1000PF
C401	430B9030	C.ELEC 16V 220UF
C4C2	428B3025	C.METAL FILM 50V 1.0UF

C5E1	433A4043	C.ELEC 35V 4.7UF
C5E2	430B9061	C.ELEC 50V 1.0UF
C5E3	427F4672	C.FILM 50V 0.056UF
C5E4	423A2103	C.CERAMIC 50V 180PF
C5E6	421C3479	C.CERAMIC 50V 0.1UF
C5E7	427F4609	C.FILM 50V 4700PF
C5E8	421D6013	C.CERAMIC 50V 0.1UF
C5E9	421C3479	C.CERAMIC 50V 0.1UF
C5F1	430B6029	C.ELEC 16V 100UF
C5F2	423A2028	C.CERAMIC 50V 20PF
C5F3	427F4601	C.FILM 50V 1000PF
C5F4	421C0225	C.CERAMIC 50V 0.01UF
C5F5	423A2029	C.CERAMIC 50V 22PF
C5F6	421D6013	C.CERAMIC 50V 0.1UF
C5F7	423A2041	C.CERAMIC 50V 68PF
C5F8	421C3479	C.CERAMIC 50V 0.1UF
C5F9	430C0045	C.ELEC 16V 22UF
C5H0	430B6017	C.ELEC 10V 220UF
C5H1	421C2862	C.CERAMIC 25V 0.01UF
C5H2	430B8165	C.ELEC 35V 47UF
C5H3	421A0425	C.CERAMIC 50V 0.01UF
C5H4	421C3479	C.CERAMIC 50V 0.1UF
C5H5	421C3479	C.CERAMIC 50V 0.1UF
C5H6	430B6068	C.ELEC 50V 47UF
C5H7	421C3479	C.CERAMIC 50V 0.1UF
C5H8	430B6041	C.ELEC 25V 47UF
C5H9	421C3479	C.CERAMIC 50V 0.1UF
C5J1	421C3479	C.CERAMIC 50V 0.1UF
C5J3	421C3479	C.CERAMIC 50V 0.1UF
C5K0	421C3479	C.CERAMIC 50V 0.1UF
C5K1	430C0043	C.ELEC 16V 10UF
C503	430C6344	C.ELEC 35V 100UF
C504	420C9567	C.CERAMIC 500V 2200PF
C505	42817011	C.METAL FILM 1.4KV 2700PF
C506	42817091	C.METAL FILM 1.4KV 2900PF
C507	42839733	C.METAL FILM 400V 0.43UF
C508	42839303	C.FILM 400V 0.15UF
C509	42839332	C.METAL FILM 400V 0.3UF
C510	42839331	C.METAL 400V 0.75UF

SYMBOL	PARTS NO	DESCRIPTION
C403	430B9054	C.ELEC 35V 100UF
C404	430B9055	C.ELEC 35V 220UF
C405	423A2023	C.CERAMIC 50V 12PF
C406	428B3017	C.METAL FILM 50V 0.22UF
C407	430B9061	C.ELEC 35V 2200UF
C408	428B3025	C.METAL FILM 50V 1.0UF
C410	430B9054	C.ELEC 35V 100UF
C411	427F4656	C.FILM 50V 0.018UF
C421	428B3021	C.METAL FILM 50V 0.47UF
C422	428B3018	C.METAL FILM 50V 0.27UF
C426	421C3479	C.CERAMIC 50V 0.1UF
C427	421C3479	C.CERAMIC 50V 0.1UF
C428	421C3479	C.CERAMIC 50V 0.1UF
C431	430C0045	C.ELEC 16V 22UF
C432	430C0052	C.ELEC 25V 4.7UF
C5A1	43518712	C.TANTALUM 35V 6.8UF
C5A2	427F4616	C.FILM 50V 0.018UF
C5A3	430C0077	C.ELEC 50V 1.0UF
C5A4	427F4607	C.FILM 50V 3300PF
C5A5	423J9017	C.CERAMIC 50V 270PF
C5A6	423J9017	C.CERAMIC 50V 270PF
C5A7	423A2029	C.CERAMIC 50V 22PF
C5A8	421C3479	C.CERAMIC 50V 0.1UF
C5A9	427F6999	C.FILM 50V 470PF
C5C0	421A0425	C.CERAMIC 50V 0.01UF
C5C3	423A2045	C.CERAMIC 50V 100PF
C5C5	421A0425	C.CERAMIC 50V 0.01UF
C5C7	427F8405	C.FILM 100V 2200PF
C5C8	421C3479	C.CERAMIC 50V 0.1UF
C5D1	421C3479	C.CERAMIC 50V 0.1UF
C5D2	430B6068	C.ELEC 50V 47UF
C5D3	423A2037	C.CERAMIC 50V 47PF
C5D4	427F4604	C.FILM 50V 1800PF
C5D5	427F4601	C.FILM 50V 1000PF
C5D6	430B9038	C.ELEC 25V 10UF
C5D7	427F4601	C.FILM 50V 1000PF
C5D8	421C3479	C.CERAMIC 50V 0.1UF
C5D9	430B6017	C.ELEC 10V 220UF
C5E0	427F4601	C.FILM 50V 1000PF

C511	420C9569	C.CERAMIC 50V 3300PF
C512	420C9563	C.CERAMIC 500V 1000PF
C513	421C2862	C.CERAMIC 25V 0.01UF
C514	421C2862	C.CERAMIC 25V 0.01UF
C515	421C2862	C.CERAMIC 25V 0.01UF
C516	430B6017	C.ELEC 10V 220UF
C517	430B6017	C.ELEC 10V 220UF
C518	423A2039	C.CERAMIC 50V 56PF
C519	430B9053	C.ELEC 35V 47UF
C520	428CJ022	C.METAL FILM 250V 0.1UF
C521	430J8102	C.ELEC 160V 3.3UF
C522	430J8103	C.ELEC 160V 10UF
C523	430B6512	C.ELEC 160V 1.0UF
C524	420C9571	C.CERAMIC 500V 4700PF
C526	428C121	C.METAL FILM 50V 0.47UF
C527	428B3025	C.METAL FILM 50V 1.0UF
C528	427F8225	C.FILM 50V 1000PF
C529	427F4675	C.FILM 50V 0.1UF
C530	42807516	C.FILM 1.6KV 4300PF
C531	42807516	C.FILM 1.6KV 4300PF
C532	428CJ022	C.METAL FILM 250V 0.1UF
C533	430B9098	C.ELEC 100V 10 UF
C535	430J8104	C.ELEC 200V 10UF
C537	428CJ022	C.METAL FILM 250V 0.1UF
C539	430B9060	C.ELEC 250V 3.3UF
C540	420B9532	C.ELEC 200V 1.0UF
C541	430B9537	C.ELEC 200V 22UF
C542	421C3479	C.CERAMIC 50V 0.1UF
C545	423A1045	C.CERAMIC 50V 100PF
C548	421C3479	C.CERAMIC 50V 0.1UF
C551	430B9033	C.ELEC 16V 1000UF
C553	430B9053	C.ELEC 35V 47UF
C554	430B9042	C.ELEC 25V 1000UF
C555	430B9054	C.ELEC 35V 100UF
C556	430C6347	C.ELEC 35V 470UF
C557	430C6316	C.ELEC 10V 1000UF
C558	430B9019	C.ELEC 10V 470UF
C559	430B9041	C.ELEC 25V 47UF
C561	430B9045	C.ELEC 25V 470UF

SYMBOL	PARTS NO	DESCRIPTION
C552	430B9030	C.ELEC 16V 220UF
C553	421A0425	C.CERAMIC 50V 0.01UF
C554	430B6030	C.ELEC 16V 220UF
C555	421D6013	C.CERAMIC 50V 0.1UF
C570	430B6016	C.ELEC 10V 100UF
C573	430B6046	C.ELEC 25V 1000UF
C591	430B6053	C.ELEC 35V 47UF
C592	430B6533	C.ELEC 200V 2.2UF
C593	428D0417	C.METAL FILM 250V 0.22UF
C701	421D6009	C.CERAMIC 25V 0.1UF
C702B	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C703B	421A0425	C.CERAMIC 50V 0.01UF
C703G	421A0425	C.CERAMIC 50V 0.01UF
C703R	421A0425	C.CERAMIC 50V 0.01UF
C704B	430B8145	C.ELEC 16V 100UF
C704G	430B8145	C.ELEC 16V 100UF
C704R	430B8145	C.ELEC 16V 100UF
C705B	430C0065	C.ELEC 35V 10UF
C705G	430C0065	C.ELEC 35V 10UF
C705R	430C0065	C.ELEC 35V 10UF
C706B	430C0065	C.ELEC 35V 10UF
C706G	430C0065	C.ELEC 35V 10UF
C706R	430C0065	C.ELEC 35V 10UF
C707B	430B6042	C.ELEC 25V 100UF
C707G	430B6042	C.ELEC 25V 100UF
C707R	430B6042	C.ELEC 25V 100UF
C708B	430C0065	C.ELEC 35V 10UF
C708G	430C0065	C.ELEC 35V 10UF
C708R	430C0065	C.ELEC 35V 10UF
C709B	421D6009	C.CERAMIC 25V 0.1UF
C709G	421D6009	C.CERAMIC 25V 0.1UF
C709R	421D6009	C.CERAMIC 25V 0.1UF
C710	421D6009	C.CERAMIC 25V 0.1UF
C712	430B9028	C.ELEC 16V 47UF
C713	421D6009	C.CERAMIC 25V 0.1UF
C720B	433A7013	C.ELEC 16V 47UF
C720G	433A7013	C.ELEC 16V 47UF
C720R	433A7013	C.ELEC 16V 47UF

SYMBOL	PARTS NO	DESCRIPTION
C786	430B9556	C.ELEC 250V 10UF
C787	420C9565	C.CERAMIC 500V 1500PF
C789	427E4163	C.FILM 100V 0.01UF
C792	430B9029	C.ELEC 16V 100UF
C793	430B9032	C.ELEC 16V 470UF
C794B	421C0221	C.CERAMIC 50V 4700PF
C794G	421C0221	C.CERAMIC 50V 4700PF
C8A0	430B9016	C.ELEC 10V 100UF
C8A3	421C3479	C.CERAMIC 50V 0.1UF
C8A4	421C3479	C.CERAMIC 50V 0.1UF
C8A5	421C3479	C.CERAMIC 50V 0.1UF
C8A6	421C3479	C.CERAMIC 50V 0.1UF
C8A7	430B8152	C.ELEC 25V 10UF
C8C1	430B6065	C.ELEC 50V 10UF
C8C3	421D6009	C.CERAMIC 25V 0.1UF
C8C4	430B6031	C.ELEC 16V 330UF
C8C5	430B6041	C.ELEC 25V 47UF
C802	433A4023	C.ELEC 16V 22UF
C803	433A4023	C.ELEC 16V 22UF
C804	421D6009	C.CERAMIC 25V 0.1UF
C805	423A2101	C.CERAMIC 50V 120PF
C806	421D6009	C.CERAMIC 25V 0.1UF
C807	430B6042	C.ELEC 25V 100UF
C808	427F4601	C.FILM 50V 1000PF
C809	427F4601	C.FILM 50V 1000PF
C810	427F4609	C.FILM 50V 4700PF
C811	433A4056	C.ELEC 50V 2.2UF
C812	430B6062	C.ELEC 50V 2.2UF
C813	430A4104	C.ELEC 50V 0.68UF
C814	433A4058	C.ELEC 50V 4.7UF
C815	430B6065	C.ELEC 50V 10UF
C816	430B6064	C.ELEC 50V 4.7UF
C817	430B6064	C.ELEC 50V 4.7UF
C818	430B6061	C.ELEC 50V 1.0UF
C819	423A2104	C.CERAMIC 50V 220PF
C840	421C3479	C.CERAMIC 50V 0.1UF
C841	421C3479	C.CERAMIC 50V 0.1UF
C842	421C3479	C.CERAMIC 50V 0.1UF
C855	430B6065	C.ELEC 50V 10UF
C856	423A2015	C.CERAMIC 50V 10PF

SYMBOL	PARTS NO	DESCRIPTION
C721B	421C0213	C.CERAMIC 50V 1000PF
C721G	421C0213	C.CERAMIC 50V 1000PF
C721R	421C0213	C.CERAMIC 50V 1000PF
C724B	430B9028	C.ELEC 16V 47UF
C724G	430B9028	C.ELEC 16V 47UF
C724R	430B9028	C.ELEC 16V 47UF
C725B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C725R	421C0225	C.CERAMIC 50V 0.01UF
C726B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C726R	421C0225	C.CERAMIC 50V 0.01UF
C727	421J9005	C.CERAMIC 25V 0.01UF
C729B	430B9062	C.ELEC 50V 2.2UF
C729G	430B9062	C.ELEC 50V 2.2UF
C729R	430B9062	C.ELEC 50V 2.2UF
C731	421C0225	C.CERAMIC 50V 0.01UF
C732	421C0225	C.CERAMIC 50V 0.01UF
C733	433A7021	C.ELEC 25V 10UF
C750B	421C0225	C.CERAMIC 50V 0.01UF
C750G	421C0225	C.CERAMIC 50V 0.01UF
C750R	421C0225	C.CERAMIC 50V 0.01UF
C751	421C0225	C.CERAMIC 50V 0.01UF
C752	430B9029	C.ELEC 16V 100UF
C760	421D6009	C.CERAMIC 25V 0.1UF
C761	430B9029	C.ELEC 16V 100UF
C762	430B9516	C.ELEC 160V 10UF
C763	420C9569	C.CERAMIC 50V 3300PF
C764B	423A2043	C.CERAMIC 50V 82PF
C764G	423A2043	C.CERAMIC 50V 82PF
C764R	423A2043	C.CERAMIC 50V 82PF
C781B	42840097	C.FILM 250V 0.22UF
C781G	42840097	C.FILM 250V 0.22UF
C781R	42840097	C.FILM 250V 0.22UF
C782B	430B9512	C.ELEC 160V 1.0UF
C782G	430B9512	C.ELEC 160V 1.0UF
C782R	430B9512	C.ELEC 160V 1.0UF
C783B	420C9563	C.CERAMIC 500V 1000PF
C783G	420C9563	C.CERAMIC 500V 1000PF
C783R	420C9563	C.CERAMIC 500V 1000PF

SYMBOL	PARTS NO	DESCRIPTION
C857	423F0013	C.CERAMIC 50V 10PF
C874A	430B8145	C.ELEC 16V 100UF
C874B	421C3479	C.CERAMIC 50V 0.1UF
C880	421C3479	C.CERAMIC 50V 0.1UF
C887	421C3479	C.CERAMIC 50V 0.1UF
C888	421C3479	C.CERAMIC 50V 0.1UF
C889	421C3479	C.CERAMIC 50V 0.1UF
C890	421C3479	C.CERAMIC 50V 0.1UF
C892	421C3479	C.CERAMIC 50V 0.1UF
C893	421C3479	C.CERAMIC 50V 0.1UF
C899	430B6041	C.ELEC 25V 47UF
C901	420C9551	C.CERAMIC 500V 1000PF
C902	420C9563	C.CERAMIC 500V 1000PF
C903	420DK108	C.CERAMIC 2KV 10000PF

# REPLACEMENT PARTS LIST

The components specified for Model JC-1531VMA-2(H)

Note: The components identified by Δ make are critical for safety.

Replace only with parts Number specified.

SYMBOL	PARTS NO	DESCRIPTION
*** CRT & TUNER ***		
Δ CRT	33015506	CRT M36KLH680X14(R)
*** ICS ***		
IC4A1	37056963	IC UPC5203CU-025
IC4A2	37056877	IC NJM4200D (MULTIPLIER)
IC4A3	37056877	IC NJM4200D (MULTIPLIER)
IC4A4	37051036	MOS UPD4066BC
IC4A5	37011206	IC XRA10358 (OP-AMP)
IC4A6	37053133	MOS TC74HC123P
IC401	37056689	IC LA7837
Δ IC5A1	37056217	IC LA7850
IC5A2	37056962	IC UPC5202CU-017
IC5A3	37011262	IC XRA10393 (COMP)
IC5A4	37011262	IC XRA10393 (COMP)
IC5A5	37056961	IC UPC5202CU-014
IC5A6	37011262	IC XRA10393 (COMP)
IC501	37053337	MOS XRU4538B (MULTI-VIB)
IC551	37005210	IC UPC24M18HF (REG)
IC552	37005193	IC PQ12RF11 (REG)
IC553	37005182	IC LM7812C (REG)
IC701	37056814	IC M52035P
IC702	37056923	IC M52307P
IC703	37056872	IC VPS08N
IC704	37011210	IC XRA10324 (Q OP-AMP)
Δ IC801	37056867	IC M52036SP
IC851	37056973	MOS UPD78C12AGQ-A89-36
IC852	37056813	IC M62359P
IC853	37056812	IC M62362P
IC854	37056812	IC M62362P
IC855	37055401	MOS XRM933C56B-E
IC856	371E1514	IC PST529D-2(T) (VOLTAGE D
IC858	37011206	IC XRA10358 (OP-AMP)
IC859	37056917	IC XRA10324A (Q OP-AMP)
IC864	37903232	IC LM2940CT-5.0

SYMBOL	PARTS NO	DESCRIPTION
0551	350E3218	TR 2SC1740S-T R
0552	35122100	TR 2SK703
0553	350K5718	TR 2SA933S-T R
0554	35026216	TR 2SB772 P
0591	350K4518	TR 2SA933-T R
0592	35056311	TR 2SC2688 K
0701B	350J3016	TR 2SC2926S-T P
0701G	350J3016	TR 2SC2926S-T P
0701R	350J3016	TR 2SC2926S-T P
0704	351G0601	TR DTC114ES-T
0705	350E3218	TR 2SC1740S-T R
0721	350E3218	TR 2SC1740S-T R
0722	350K4518	TR 2SA933-T R
0750B	350J4604	TR 2SC3776-AA D
0750G	350J4604	TR 2SC3776-AA D
0750R	350J4604	TR 2SC3776-AA D
0770	350E3218	TR 2SC1740S-T R
0771	350E3218	TR 2SC1740S-T R
0772	350K4518	TR 2SA933-T R
0780B	350K5217	TR 2SA1018-TA Q
0780G	350K5217	TR 2SA1018-TA Q
0780R	350K5217	TR 2SA1018-TA Q
0781B	350H4417	TR 2SC1473-TA Q
0781G	350H4417	TR 2SC1473-TA Q
0781R	350H4417	TR 2SC1473-TA Q
0801	350K4518	TR 2SA933-T R
0802	350K4518	TR 2SA933-T R
0803	351G0652	TR DTC113ZS-T
0804	351G0602	TR DTC114ES-T
0805	351G0601	TR DTC114ES-T
0806	351G0601	TR DTC114ES-T
0851	351G0656	TR DTC143XS-T
0852	350E3218	TR 2SC1740S-T R
0853	35069805	TR 2SD1763 E

SYMBOL	PARTS NO	DESCRIPTION
*** TRANSISTORS ***		
Q4A1	350E3218	TR 2SC1740S-T R
Q4A2	351G0602	TR DTC144ES-T
Q4A3	350E3218	TR 2SC1740S-T R
Q4A4	351G0601	TR DTC114ES-T
Q401	350J2717	TR 2SC3377-T Q
Q402	359K7618	TR 2SA1515 R
Q404	351G0602	TR DTC144ES-T
Q406	351G0602	TR DTC144ES-T
Q431	350E3218	TR 2SC1740S-T R
Q432	350E3218	TR 2SC1740S-T R
Q5A1	350E3218	TR 2SC1740S-T R
Q5A2	350K5717	TR 2SA933S-T Q
Q5A3	350H5017	TR 2SC3811-TA Q
Q5A5	350E3218	TR 2SC1740S-T R
Q5A6	351G0601	TR DTC114ES-T
Q5F1	350K5717	TR 2SA933S-T Q
Q5H1	350H5018	TR 2SC3811-TA R
Q501	350E3218	TR 2SC1740S-T R
Q502	350K4519	TR 2SA933-T S
Q503	35122700	TR 2SK699
Δ Q504	35031112	TR 2SB1096 L
Q505	35070100	TR HPA100
Q506	35122500	TR 2SK758
Q507	35122500	TR 2SK758
Q508	35127300	TR 2SK947-M
Q509	351G0656	TR DTC143XS-T
Q510	35125400	TR IRF9610
Q511	350C1218	TR 2SB1329-T105 R
Q512	350G1018	TR 2SD2005-T105 R
Q513	350E4311	TR 2SC2001-T K
Q514	350K4412	TR 2SA952 L-AT
Δ Q515	35125500	TR IRFPF40
Q517	35125400	TR IRF9610
Q518	350E3218	TR 2SC1740S-T R
Q519	350K5718	TR 2SA933S-T R
Q520	350E3218	TR 2SC1740S-T R
Q521	350K5718	TR 2SA933S-T R
Q522	350H5017	TR 2SC3811-TA Q

SYMBOL	PARTS NO	DESCRIPTION
*** DIODES ***		
D101	360K1027	DIODE 1SS132
D102	360K1027	DIODE 1SS132
D103	360K1027	DIODE 1SS132
D104	360K1027	DIODE 1SS132
D105	360K1027	DIODE 1SS132
D106	350K1027	DIODE 1SS132
D107	360K1027	DIODE 1SS132
D108	360K1027	DIODE 1SS132
D109	360K1027	DIODE 1SS132
D110	360K1027	DIODE 1SS132
D111	360K1027	DIODE 1SS132
D112	360K1027	DIODE 1SS132
D113	360K1027	DIODE 1SS132
D114	360K1027	DIODE 1SS132
D115	360K1027	DIODE 1SS132
D116	360K1027	DIODE 1SS132
D118	36801342	LED GL3EG8
D119	36801331	LED SLR-54MT3F/PO
D120	36801331	LED SLR-54MT3F/PO
Δ D2004	361K7562	DIODE EGP10G G23
Δ D2005	361K7562	DIODE EGP10G G23
D401	361K7160	DIODE TVR06G G23
D402	360K1027	DIODE 1SS132
D403	360K1027	DIODE 1SS132
D5A1	360K1027	DIODE 1SS132
D5A2	360K1027	DIODE 1SS132
D5A3	360K1027	DIODE 1SS132
D5A4	360K1027	DIODE 1SS132
D5A5	360K1027	DIODE 1SS132
D5A6	360K1027	DIODE 1SS132
D5A7	360K1027	DIODE 1SS132
D5A8	360K1027	DIODE 1SS132
D5A9	360K1027	DIODE 1SS132
D5C1	369K2136	DIODE RGP10G-AT
D5E1	380K5054	VARIATOR MA29W-A (7P)
D5E2	380K5054	VARIATOR MA29W-A (7P)
D501	36107293	DIODE RK14
D503	36107560	DIODE RG2A2

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SYMBOL	PARTS NO	DESCRIPTION
△D504	36107560	DIODE RG2A2
△D505	360K1027	DIODE 1SS132
△D506	360K1027	DIODE 1SS132
D507	360K1027	DIODE 1SS132
D508	36107507	DIODE RG4
D509	361K7160	DIODE TVR06G G23
D510	361K7562	DIODE EGP10G G23
D511	361K7562	DIODE EGP10G G23
D512	361K7562	DIODE EGP10G G23
D513	361K7562	DIODE EGP10G G23
D514	361K7160	DIODE TVR06G G23
D517	360K1027	DIODE 1SS132
D518	36107507	DIODE RG4
D519	361K7160	DIODE TVR06G G23
D521	361K7550	DIODE 1SR35-400A
D522	360K1027	DIODE 1SS132
D523	360K1027	DIODE 1SS132
D551	361K7630	DIODE EU 2YX V1
D552	361K7160	DIODE TVR06G G23
D553	361K7562	DIODE EGP10G G23
D555	360K1027	DIODE 1SS132
D556	360K1027	DIODE 1SS132
D557	361K7562	DIODE EGP10G G23
D558	361K7562	DIODE EGP10G G23
D571	360K1027	DIODE 1SS132
D591	360K1027	DIODE 1SS132
D592	360K1032	DIODE 1SS82-TA
D593	360K1032	DIODE 1SS82-TA
D701	360K1027	DIODE 1SS132
D702	360K1027	DIODE 1SS132
D703	360K1027	DIODE 1SS132
D704	360K1027	DIODE 1SS132
D705	360K1027	DIODE 1SS132
D706	360K1027	DIODE 1SS132
D707	360K1027	DIODE 1SS132
D708	360K1027	DIODE 1SS132
D709	360K1027	DIODE 1SS132
D710	360K1027	DIODE 1SS132
D711	360K1027	DIODE 1SS132

SYMBOL	PARTS NO	DESCRIPTION
D712	360K1027	DIODE 1SS132
D713	360K1027	DIODE 1SS132
D715B	360K1027	DIODE 1SS132
D715G	360K1027	DIODE 1SS132
D715R	360K1027	DIODE 1SS132
D720	360K1027	DIODE 1SS132
D721	360K1054	VARIATOR MA29W-A (TP)
D722	360K1027	DIODE 1SS132
D760B	360K1032	DIODE 1SS82-TA
D760G	360K1032	DIODE 1SS82-TA
D760R	360K1032	DIODE 1SS82-TA
D761B	360K1032	DIODE 1SS82-TA
D761G	360K1032	DIODE 1SS82-TA
D761R	360K1032	DIODE 1SS82-TA
D781B	360K1032	DIODE 1SS82-TA
D781G	360K1032	DIODE 1SS82-TA
D781R	360K1032	DIODE 1SS82-TA
D782	360K1037	DIODE 1SS83
D801	360K1027	DIODE 1SS132
D802	360K1027	DIODE 1SS132
D803	360K1027	DIODE 1SS132
ZD4A1	360A0039	DIODE MTZJ5.68 T-72
ZD4A2	360K3694	DIODE RD22ESB(1)/ESAB(1)
ZD401	360A0094	DIODE MTZJ200
ZD402	360K3602	DIODE RD2.0ESB(1)-T4
ZD5A2	360A0035	DIODE MTZJ5.18 T-72
ZD5A3	360A0056	DIODE MTZJ8.2C T-72
ZD5A4	360A0054	DIODE MTZJ8.2A T-72
ZD5A5	360A0035	DIODE MTZJ5.18 T-72
ZD502	360K3143	DIODE RD8.2JSB(1)-T4
ZD503	360K3659	DIODE RD9.1ESB(2)-T4
ZD504	360K3834	DIODE MTZ11ABC T-72
ZD507	360K3660	DIODE RD9.1ESB(3)-T4
ZD510	360K3658	DIODE RD9.1ESB(1)-T4
ZD553	360K3134	DIODE RD15EB(2)-T4
ZD557	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD558	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD559	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
ZD560	360K3624	DIODE RD3.9ESB(2)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD561	360K3624	DIODE RD3.9ESB(2)-T4
ZD562	360K3624	DIODE RD3.9ESB(2)-T4
ZD563	360K3635	DIODE RD5.1ESB(2)-T4
ZD570	36003662	DIODE RD10ESB(1)
ZD760	360A0056	DIODE MTZJ8.2C T-72
ZD851	360K3634	DIODE RD5.1ESB(1)-T4
ZD852	360A0030	DIODE MTZJ4.7A T-72
ZD853	360A0038	DIODE MTZJ5.6A T-72
ZD854	360A0009	DIODE MTZJ2.4B T-72

\*\*\* TRANSFORMERS \*\*\*

LS07	46206002	TRANS. CHOKE 8MH
T501	45804009	TRANS. H. DRIVE
△T502	47710014	TRANS. H. OUT
T503	47105673	F. B. T
T551	46304113	TRANS. CONVERTER

\*\*\* VARIABLE RESISTORS \*\*\*

VR101	41011121	R.VARIABLE 850K
VR102	41011121	R.VARIABLE 850K
VR401	41071359	R.VARIABLE 82.2K
VR402	41071363	R.VARIABLE 810K
VR403	41087010	R.VARIABLE 20K 0.2W
VR404	410G1167	R.VARIABLE 847K
VR431	410G1161	R.VARIABLE 84.7K
VR501	410G1163	R.VARIABLE 810K
VR502	41087006	R.VARIABLE 82K
VR503	41087005	R.VARIABLE 81K
VR505	415K5158	R.VARIABLE 810K
VR551	41071360	R.VARIABLE 83.3K
VR552	41599203	R.VARIABLE 8200H
VR701	410G2060	R.VARIABLE 820K
VR702	410G2060	R.VARIABLE 820K
VR703	410G2060	R.VARIABLE 820K
VR704	410G2061	R.VARIABLE 830
VR705	410G2061	R.VARIABLE 830
VR706	410G2061	R.VARIABLE 830
VR707	410G2062	R.VARIABLE 850K
VR708	410G2062	R.VARIABLE 850K
VR709	410G2062	R.VARIABLE 850K

SYMBOL	PARTS NO	DESCRIPTION
VR710	410G2064	R.VARIABLE 8200K
VR851	41018255	R.VARIABLE 81K
VR852	41087005	R.VARIABLE 81K
VR854	410G1159	R.VARIABLE 82.2K

\*\*\* RELAYS & SWITCHES \*\*\*

△RL501	65660013	RELAY VE 24HME-K
RL502	65660028	RELAY SY-24W-K
SW	65360027	SWTCH. PUSH BUTTON
SW101	653F0033	SWTCH. PUSH BUTTON
SW102	653F0033	SWTCH. PUSH BUTTON
SW103	653F0033	SWTCH. PUSH BUTTON
SW104	653F0033	SWTCH. PUSH BUTTON
SW105	653F0033	SWTCH. PUSH BUTTON
SW106	653F0033	SWTCH. PUSH BUTTON
SW107	653F0033	SWTCH. PUSH BUTTON
SW108	653F0033	SWTCH. PUSH BUTTON
SW109	653F0033	SWTCH. PUSH BUTTON
SW110	653F0033	SWTCH. PUSH BUTTON
SW111	65161059	SWTCH. SLIDE 1-6L-3NS
SW112	65161048	SWTCH. SLIDE

\*\*\* COILS & FILTERS \*\*\*

DG	61315203	COIL. DEGAUSSING
FC701	39013039	C.NETWORK 25V 0.1UF
FC850	39013039	C.NETWORK 25V 0.1UF
FC851	39013041	C.NETWORK 25V 0.1UF
FC852	39013044	C.NETWORK 25V 0.1UF
FC853	39013041	C.NETWORK 25V 0.1UF
FL001	61062076	POWER LINE FILTER
FR850	390C0437	R.NETWORK 3*10K 5% 1/8W
FR851	390C0432	R.NETWORK 6*10K 5% 1/8W
FR852	390C0451	R.NETWORK 10K 5% 1/8W
LC701	390J9027	FILTER ZJSC-R12-100TA
LC702	390J9027	FILTER ZJSC-R12-100TA
LC703	390J9027	FILTER ZJSC-R12-100TA
LC760	616K6945	NOISE FILTER TH18103MA
LC781	616K6027	NOISE FILTER 2A222-TA
LC782	616K6966	NOISE FILTER

SYMBOL	PARTS NO	DESCRIPTION
LC783	616K6028	NOISE FILTER 1H223X-TA
LC801	61606822	NOISE FILTER 50V 47UH
LC802	390J9015	FILTER ZJSC-2R2-101TA
LC803	390J9015	FILTER ZJSC-2R2-101TA
LC804	390J9015	FILTER ZJSC-2R2-101TA
LC805	390J9015	FILTER ZJSC-2R2-101TA
LC850	616K6718	NOISE FILTER 10000UH
LC901	616K6028	NOISE FILTER 1H223X-TA
LC902	616K6075	NOISE FILTER
L401	610F7025	COIL, FILTER 47UH
L5A1	610E1717	COIL, FILTER 10UH
L5A2	610E1717	COIL, FILTER 10UH
L5A3	610E1717	COIL, FILTER 10UH
L5A4	610E1717	COIL, FILTER 10UH
L501	60919130	COIL, H. LIN
L502	60919130	COIL, H. LIN
L503	61070180	COIL, CHOKE 4MH
L504	61070235	FILTER CHOKE 4MH
L505	610F3025	COIL, FILTER 47UH
L509	610F3025	COIL, FILTER 47UH
L510	61070181	COIL, CHOKE PJ87-102K
L512	61070181	COIL, CHOKE PJ87-102K
L551	610F3025	COIL, FILTER 47UH
L552	610F3025	COIL, FILTER 47UH
L553	610F7018	COIL, FILTER 12UH
L701B	610E1726	COIL, FILTER 56UH
L701G	610E1726	COIL, FILTER 56UH
L701R	610E1726	COIL, FILTER 56UH
L720	610E1729	COIL, FILTER 100UH
L761	610E1711	COIL, FILTER 3.3UH
L801	610F7010	COIL, FILTER 2.7UH
L901	610F5804	COIL, FILTER 0.47UH
L902	610F5804	COIL, FILTER 0.47UH
L903	610F5804	COIL, FILTER 0.47UH

\*\*\* PWB ASSYS \*\*\*

	84M40C01	VIDEO PWB ASSY
	84M40E01	UNIT PWB ASSY
	84M42F01	MAIN PWB ASSY
	84M44L01	CONTROL PWB ASSY

SYMBOL	PARTS NO	DESCRIPTION
	25825501	SHEET, PROTECTION
	78034408	MONITOR SALES OFFICE LIST
	78043393	WARRANTY CARD
	78127522	INSTRUCTION BOOK

\*\*\* RESISTORS \*\*\*

C790	401J9820	R. CARBON 0.0H
R101	401J9820	R. CARBON 0.0H
R105	401H5671	R. CARBON 820H 5% 1/8W
R106	401K5659	R. CARBON 270H 5% 1/8W
	401K5697	R. CARBON 10K 5% 1/8W
R4A0	404C1723	R. METAL 120K 1% 1/8W
R4A1	404C1704	R. METAL 20K 1% 1/8W
R4A2	404C1723	R. METAL 120K 1% 1/8W
R4A3	404C1704	R. METAL 20K 1% 1/8W
R4A5	404C1723	R. METAL 120K 1% 1/8W
R4A6	404C1723	R. METAL 120K 1% 1/8W
R4A7	404C1697	R. METAL 10K 1% 1/8W
R4A8	404C1733	R. METAL 330K 1% 1/8W
R4A9	404C1727	R. METAL 180K 1% 1/8W
R4C0	404C1727	R. METAL 180K 1% 1/8W
R4C1	404C1727	R. METAL 180K 1% 1/8W
R4C2	404C1727	R. METAL 180K 1% 1/8W
R4C3	404C1727	R. METAL 180K 1% 1/8W
R4C4	404C1727	R. METAL 180K 1% 1/8W
R4C5	404C1727	R. METAL 180K 1% 1/8W
R4C6	401K5731	R. CARBON 270K 5% 1/8W
R4C7	404C1727	R. METAL 180K 1% 1/8W
R4C8	401K5681	R. CARBON 2.2K 5% 1/8W
R4C9	401K5677	R. CARBON 1.5K 5% 1/8W
R4D0	401K5647	R. CARBON 82H 5% 1/8W
R4D1	404C1704	R. METAL 20K 1% 1/8W
R4D2	401K5721	R. CARBON 100K 5% 1/8W
R4D3	401K5625	R. CARBON 10H 5% 1/8W
R4D5	404C1713	R. METAL 47K 1% 1/8W
R4D6	404C1737	R. METAL 470K 1% 1/8W
R4D7	401K5705	R. CARBON 22K 5% 1/8W
R4D8	404C1728	R. METAL 200K 1% 1/8W
R4D9	401K5689	R. CARBON 4.7K 5% 1/8W

SYMBOL	PARTS NO	DESCRIPTION
*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***		
	70032056	CRT SOCKET
	74004891	CAP
CABLE	73893103	CABLE SIGNAL
CORD	75513033	POWER CORD
HS401	31709202	SHEET, INSULATOR
HS505	31709507	SHEET, INSULATOR HEAT SINK
HS515	31709505	SHEET, INSULATOR
L506	49801010	INDUCTOR DUMMY
SG901	329J0047	ARRESTER (300V).AT52
SG902	329J0047	ARRESTER (300V).AT52
SG903	329J0047	ARRESTER (300V).AT52
SG904	329J0047	ARRESTER (300V).AT52
SG905	667K6007	SPARK GAP 1.5KV
SW-PS	31104020	SW. REG. UNIT (SMP-120BB-1)
UNIT2	79100031	UNIT 2 (HV PROTECTOR)
X1	64099072	CRYSTAL RESONATOR

\*\*\* APPEARANCE PARTS \*\*\*

	25779951	NAME PLATE, INSTRUCTION
	25313822	CABINET BOTTOM
	25419001	REVOLVING STAND ASSY
	25317611	CABINET FRONT ASSY
	25313791	CABINET BACK ASSY
	25419021	REVOLVING SPINDLE
	25534631	COIL SPRING
	25757643	LABEL (REV.)

\*\*\* KNOBS & PUSH BUTTONS \*\*\*

	25454671	PUSH BUTTON (SW)
	25454681	KNOB CONTROL
	25454691	KNOB, SLIDE

\*\*\* PRINTED & PACKING MATERIALS \*\*\*

	24813191	BAG, POLYETHYLENE (150*370)
	25607291	SLIDE SHEET
	25823181	FILLER (T) CARTON
	25823192	FILLER (B) CARTON

SYMBOL	PARTS NO	DESCRIPTION
R4E0	401K5705	R. CARBON 22K 5% 1/8W
R4E1	401K5697	R. CARBON 10K 5% 1/8W
R4E2	401K5697	R. CARBON 10K 5% 1/8W
R4E3	401K5697	R. CARBON 10K 5% 1/8W
R4E4	401K5697	R. CARBON 10K 5% 1/8W
R4G1	401K5709	R. CARBON 33K 5% 1/8W
R4O2	401K5683	R. CARBON 2.7K 5% 1/8W
R4O3	403F2103	R. METAL OXIDE 1.2H 5% 1/8W
R4O4	404C1703	R. METAL 18K 1% 1/8W
R4O5	404C1703	R. METAL 18K 1% 1/8W
R4O6	401K5709	R. CARBON 33K 5% 1/8W
R4O7	401H5651	R. CARBON 120H 5% 1/8W
R4O8	401K5611	R. CARBON 2.7H 5% 1/8W
R4O9	401K5721	R. CARBON 100K 5% 1/8W
R410	403F2151	R. METAL OXIDE 120H 5% 1/8W
R411	401G6117	R. CARBON 4.7H 5% 1/8W
R412	401K5689	R. CARBON 4.7K 5% 1/8W
R413	401K5673	R. CARBON 1.0K 5% 1/8W
R414	401K5673	R. CARBON 1.0K 5% 1/8W
R415	401K5661	R. CARBON 330H 5% 1/8W
R420	401K5673	R. CARBON 1.0K 5% 1/8W
R421	404C1728	R. METAL 200K 1% 1/8W
R422	401K5689	R. CARBON 4.7K 5% 1/8W
R423	404C1740	R. METAL 620K 1% 1/8W
R425	404C1700	R. METAL 13K 1% 1/8W
R426	404C1724	R. METAL 130K 1% 1/8W
R427	404C1697	R. METAL 10K 1% 1/8W
R431	401K5689	R. CARBON 4.7K 5% 1/8W
R432	401K5673	R. CARBON 1.0K 5% 1/8W
R433	401K5713	R. CARBON 47K 5% 1/8W
R434	401K5713	R. CARBON 47K 5% 1/8W
R435	401K5689	R. CARBON 4.7K 5% 1/8W
R436	401K5689	R. CARBON 4.7K 5% 1/8W
R437	401K5681	R. CARBON 2.2K 5% 1/8W
RS41	401K5673	R. CARBON 1.0K 5% 1/8W
RS42	401K5705	R. CARBON 22K 5% 1/8W
RS43	401K5689	R. CARBON 4.7K 5% 1/8W
RS44	401K5697	R. CARBON 10K 5% 1/8W
RS45	401K5691	R. CARBON 5.6K 5% 1/8W

SYMBOL	PARTS NO	DESCRIPTION
R5A6	401K5705	R.CARBON 22K 5% 1/6W
R5A7	401K5699	R.CARBON 12K 5% 1/6W
R5A8	401K5687	R.CARBON 3.9K 5% 1/6W
R5A9	401K5677	R.CARBON 1.5K 5% 1/6W
R5C0	404C1705	R.METAL 22K 1% 1/6W
R5C1	404C1711	R.METAL 39K 1% 1/6W
R5C3	401K5635	R.CARBON 27H 5% 1/6W
R5C4	401K5689	R.CARBON 4.7K 5% 1/6W
R5C5	401K5683	R.CARBON 2.7K 5% 1/6W
R5C7	404C1699	R.METAL 12K 1% 1/6W
R5C8	404C1684	R.METAL 3.0K 1% 1/6W
R5C9	401K5697	R.CARBON 10K 5% 1/6W
R5D1	401K5745	R.CARBON 1.0M 5% 1/6W
R5D2	404C1697	R.METAL 10K 1% 1/6W
R5D4	401K5697	R.CARBON 10K 5% 1/6W
R5D5	401K5695	R.CARBON 8.2K 5% 1/6W
R5D6	404C1707	R.METAL 27K 1% 1/6W
R5D8	404C1673	R.METAL 1.0K 1% 1/6W
R5D9	404C1685	R.METAL 3.3K 1% 1/6W
R5E1	404C1697	R.METAL 10K 1% 1/6W
R5E2	404C1731	R.METAL 270K 1% 1/6W
R5E3	404C1733	R.METAL 330K 1% 1/6W
R5E4	401K5745	R.CARBON 1.0M 5% 1/6W
R5E5	401K5693	R.CARBON 6.8K 5% 1/6W
R5E6	401K5709	R.CARBON 33K 5% 1/6W
R5E7	401K5705	R.CARBON 22K 5% 1/6W
R5E8	401K5691	R.CARBON 5.6K 5% 1/6W
R5E9	401K5695	R.CARBON 8.2K 5% 1/6W
R5F0	401K5745	R.CARBON 1.0M 5% 1/6W
R5F1	401K5695	R.CARBON 8.2K 5% 1/6W
R5F2	401K5675	R.CARBON 1.2K 5% 1/6W
R5F3	401K5687	R.CARBON 10K 5% 1/6W
R5F4	401K5715	R.CARBON 56K 5% 1/6W
R5F5	401K5697	R.CARBON 10K 5% 1/6W
R5F6	401K5691	R.CARBON 5.6K 5% 1/6W
R5F7	401K5721	R.CARBON 100K 5% 1/6W
R5F8	401K5761	R.CARBON 4.7M 5% 1/4W
R5F9	401K5721	R.CARBON 100K 5% 1/6W
R5G0	401K5697	R.CARBON 10K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5G1	401K5695	R.CARBON 8.2K 5% 1/6W
R5G2	401K5721	R.CARBON 100K 5% 1/6W
R5G3	401K5733	R.CARBON 330K 5% 1/6W
R5G4	404C1695	R.METAL 8.2K 1% 1/6W
R5G5	404C1673	R.METAL 1.0K 1% 1/6W
R5G6	401K5697	R.CARBON 10K 5% 1/6W
R5G7	404C1697	R.METAL 10K 1% 1/6W
R5G8	401K5677	R.CARBON 1.5K 5% 1/6W
R5G9	401K5689	R.CARBON 4.7K 5% 1/6W
R5H0	401K5683	R.CARBON 2.7K 5% 1/6W
R5H1	401K5697	R.CARBON 10K 5% 1/6W
R5H2	401K5731	R.CARBON 270K 5% 1/6W
R5H3	401K5729	R.CARBON 220K 5% 1/6W
R5H4	401G6109	R.CARBON 2.2H 5% 1/4W
R5H5	401G6109	R.CARBON 2.2H 5% 1/4W
R5H6	403F1107	R.METAL 1.8H 5% 1W
R5H7	401H5697	R.CARBON 10K 5% 1/6W
R5H8	401K5673	R.CARBON 1.0K 5% 1/6W
R5H9	401K5697	R.CARBON 10K 5% 1/6W
R5I0	401K5733	R.CARBON 330K 5% 1/6W
R5I1	401K5733	R.CARBON 330K 5% 1/6W
R5I2	40372133	R.METAL 22H 5% 2W
R5I3	404C1739	R.METAL 560K 1% 1/6W
R5I4	401K5689	R.CARBON 4.7K 5% 1/6W
R5I5	403F1101	R.METAL OXIDE 1H 5% 1W
R5I6	401G6101	R.CARBON 1.0H 5% 1/4W
R5I7	401K5697	R.CARBON 10K 5% 1/6W
R5I8	401H5681	R.CARBON 2.2K 5% 1/2W
R5I9	401H5665	R.CARBON 470H 5% 1/2W
R5J0	404C1724	R.METAL 130K 1% 1/6W
R5J1	401K5681	R.CARBON 2.2K 5% 1/6W
R5J2	401G6133	R.CARBON 22H 5% 1/4W
R5J3	401G6133	R.CARBON 22H 5% 1/4W
R5J4	401H5693	R.CARBON 6.8K 5% 1/2W
R5J5	401K5697	R.CARBON 10K 5% 1/6W
R5J6	401K5697	R.CARBON 10K 5% 1/6W
R5J7	401K5689	R.CARBON 4.7K 5% 1/6W
R5J8	401K5705	R.CARBON 22K 5% 1/6W
R5J9	401K5673	R.CARBON 1.0K 5% 1/6W
R5K0	403F1177	R.METAL OXIDE 1.5K 5% 1W

SYMBOL	PARTS NO	DESCRIPTION
R5G1	401K5701	R.CARBON 15K 5% 1/6W
R5G2	401K5705	R.CARBON 22K 5% 1/6W
R5G3	401K5713	R.CARBON 47K 5% 1/6W
R5G4	401K5745	R.CARBON 1.0M 5% 1/6W
R5G5	401K5697	R.CARBON 10K 5% 1/6W
R5G6	401K5691	R.CARBON 5.6K 5% 1/6W
R5G7	401K5697	R.CARBON 10K 5% 1/6W
R5G8	401K5709	R.CARBON 33K 5% 1/6W
R5H2	401K5695	R.CARBON 470H 5% 1/6W
R5H3	401K5687	R.CARBON 10K 5% 1/6W
R5H4	401K5683	R.CARBON 6.8K 5% 1/6W
R5H5	401K5697	R.CARBON 10K 5% 1/6W
R5J0	401H5653	R.CARBON 150H 5% 1/2W
R5J2	403F2165	R.METAL 470H 5% 2W
R5K1	401K5715	R.CARBON 56K 5% 1/6W
R5K2	401K5715	R.CARBON 56K 5% 1/6W
R5K3	401K5715	R.CARBON 56K 5% 1/6W
R5L7	401K5697	R.CARBON 10K 5% 1/6W
R5O1	401K5675	R.CARBON 1.2K 5% 1/6W
R5O2	401K5691	R.CARBON 330H 5% 1/6W
R5O4	401K5673	R.CARBON 1.0K 5% 1/4W
R5O5	401K5673	R.CARBON 1.0K 5% 1/6W
R5O6	40175137	R.CARBON 33H 5% 1/4W
R5O7	40801834	R.FUSE 1.0H 500MA
R5O8A	403F2145	R.METAL 68H 5% 2W
R5O8B	403F1137	R.METAL 33H 5% 1W
R5O9	401K5697	R.CARBON 10K 5% 1/6W
R5I0	40216256	R.WIRE 2.4H 5% 7W
R5I1	40372107	R.METAL 1.8H 5% 2W
R5I2	401H5653	R.CARBON 150H 5% 1/2W
R5I3	401K5657	R.CARBON 220H 5% 1/4W
R5I4	401K5649	R.CARBON 100H 5% 1/6W
R5I5	401K5649	R.CARBON 100H 5% 1/6W
R5I6	401K5649	R.CARBON 100H 5% 1/6W
R5I8	401G6181	R.CARBON 1.0H 5% 1/4W
R5I9	401G6181	R.CARBON 1.0H 5% 1/4W
R5I0	401G6181	R.CARBON 1.0H 5% 1/4W
R5I1	401G6143	R.CARBON 56H 5% 1/4W
R5I2	401K5697	R.CARBON 10K 5% 1/6W

	PARTS NO	DESCRIPTION
R5G1	401K5625	R.CARBON 10H 5% 1/6W
R5G2	401K5625	R.CARBON 10H 5% 1/6W
R5G3	401K5625	R.CARBON 10H 5% 1/6W
R5G4	401K5619	R.CARBON 5.6H 5% 1/6W
R5G5	401K5697	R.CARBON 10K 5% 1/6W
R5G6	401K5713	R.CARBON 47K 5% 1/6W
R5G7	401K5697	R.CARBON 10K 5% 1/6W
R5G8	401K5691	R.CARBON 5.6K 5% 1/6W
R5G9	401K5721	R.CARBON 100K 5% 1/6W
R5H0	404K2646	R.METAL 75H 1% 1/4W
R5H1	404K2646	R.METAL 75H 1% 1/4W
R5H2	404K2646	R.METAL 75H 1% 1/4W
R5H3	401K5695	R.CARBON 8.2K 5% 1/6W
R5H4	401K5695	R.CARBON 8.2K 5% 1/6W
R5H5	401K5695	R.CARBON 8.2K 5% 1/6W
R5H6	401K5695	R.CARBON 8.2K 5% 1/6W
R5H7	401K5695	R.CARBON 8.2K 5% 1/6W
R5H8	401K5695	R.CARBON 8.2K 5% 1/6W
R5H9	401K5695	R.CARBON 8.2K 5% 1/6W
R5I0	401K5695	R.CARBON 8.2K 5% 1/6W
R5I1	401K5695	R.CARBON 8.2K 5% 1/6W
R5I2	401K5695	R.CARBON 8.2K 5% 1/6W
R5I3	401K5695	R.CARBON 8.2K 5% 1/6W
R5I4	401K5695	R.CARBON 8.2K 5% 1/6W
R5I5	401K5695	R.CARBON 8.2K 5% 1/6W
R5I6	401K5695	R.CARBON 8.2K 5% 1/6W
R5I7	401K5695	R.CARBON 8.2K 5% 1/6W
R5I8	401K5695	R.CARBON 8.2K 5% 1/6W
R5I9	401K5695	R.CARBON 8.2K 5% 1/6W
R5J0	401K5695	R.CARBON 8.2K 5% 1/6W
R5J1	401K5695	R.CARBON 8.2K 5% 1/6W
R5J2	401K5695	R.CARBON 8.2K 5% 1/6W
R5J3	401K5695	R.CARBON 8.2K 5% 1/6W
R5J4	401K5695	R.CARBON 8.2K 5% 1/6W
R5J5	401K5695	R.CARBON 8.2K 5% 1/6W
R5J6	401K5695	R.CARBON 8.2K 5% 1/6W
R5J7	401K5695	R.CARBON 8.2K 5% 1/6W
R5J8	401K5695	R.CARBON 8.2K 5% 1/6W
R5J9	401K5695	R.CARBON 8.2K 5% 1/6W
R5K0	401K5695	R.CARBON 8.2K 5% 1/6W
R5K1	401K5695	R.CARBON 8.2K 5% 1/6W
R5K2	401K5695	R.CARBON 8.2K 5% 1/6W
R5K3	401K5695	R.CARBON 8.2K 5% 1/6W
R5K4	401K5695	R.CARBON 8.2K 5% 1/6W
R5K5	401K5695	R.CARBON 8.2K 5% 1/6W
R5K6	401K5695	R.CARBON 8.2K 5% 1/6W
R5K7	401K5695	R.CARBON 8.2K 5% 1/6W
R5K8	401K5695	R.CARBON 8.2K 5% 1/6W
R5K9	401K5695	R.CARBON 8.2K 5% 1/6W
R5L0	401K5695	R.CARBON 8.2K 5% 1/6W
R5L1	401K5695	R.CARBON 8.2K 5% 1/6W
R5L2	401K5695	R.CARBON 8.2K 5% 1/6W
R5L3	401K5695	R.CARBON 8.2K 5% 1/6W
R5L4	401K5695	R.CARBON 8.2K 5% 1/6W
R5L5	401K5695	R.CARBON 8.2K 5% 1/6W
R5L6	401K5695	R.CARBON 8.2K 5% 1/6W
R5L7	401K5695	R.CARBON 8.2K 5% 1/6W
R5L8	401K5695	R.CARBON 8.2K 5% 1/6W
R5L9	401K5695	R.CARBON 8.2K 5% 1/6W
R5M0	401K5695	R.CARBON 8.2K 5% 1/6W
R5M1	401K5695	R.CARBON 8.2K 5% 1/6W
R5M2	401K5695	R.CARBON 8.2K 5% 1/6W
R5M3	401K5695	R.CARBON 8.2K 5% 1/6W
R5M4	401K5695	R.CARBON 8.2K 5% 1/6W
R5M5	401K5695	R.CARBON 8.2K 5% 1/6W
R5M6	401K5695	R.CARBON 8.2K 5% 1/6W
R5M7	401K5695	R.CARBON 8.2K 5% 1/6W
R5M8	401K5695	R.CARBON 8.2K 5% 1/6W
R5M9	401K5695	R.CARBON 8.2K 5% 1/6W
R5N0	401K5695	R.CARBON 8.2K 5% 1/6W
R5N1	401K5695	R.CARBON 8.2K 5% 1/6W
R5N2	401K5695	R.CARBON 8.2K 5% 1/6W
R5N3	401K5695	R.CARBON 8.2K 5% 1/6W
R5N4	401K5695	R.CARBON 8.2K 5% 1/6W
R5N5	401K5695	R.CARBON 8.2K 5% 1/6W
R5N6	401K5695	R.CARBON 8.2K 5% 1/6W
R5N7	401K5695	R.CARBON 8.2K 5% 1/6W
R5N8	401K5695	R.CARBON 8.2K 5% 1/6W
R5N9	401K5695	R.CARBON 8.2K 5% 1/6W
R5O0	401K5695	R.CARBON 8.2K 5% 1/6W
R5O1	401K5695	R.CARBON 8.2K 5% 1/6W
R5O2	401K5695	R.CARBON 8.2K 5% 1/6W
R5O3	401K5695	R.CARBON 8.2K 5% 1/6W
R5O4	401K5695	R.CARBON 8.2K 5% 1/6W
R5O5	401K5695	R.CARBON 8.2K 5% 1/6W
R5O6	401K5695	R.CARBON 8.2K 5% 1/6W
R5O7	401K5695	R.CARBON 8.2K 5% 1/6W
R5O8	401K5695	R.CARBON 8.2K 5% 1/6W
R5O9	401K5695	R.CARBON 8.2K 5% 1/6W
R5P0	401K5695	R.CARBON 8.2K 5% 1/6W
R5P1	401K5695	R.CARBON 8.2K 5% 1/6W
R5P2	401K5695	R.CARBON 8.2K 5% 1/6W
R5P3	401K5695	R.CARBON 8.2K 5% 1/6W
R5P4	401K5695	R.CARBON 8.2K 5% 1/6W
R5P5	401K5695	R.CARBON 8.2K 5% 1/6W
R5P6	401K5695	R.CARBON 8.2K 5% 1/6W
R5P7	401K5695	R.CARBON 8.2K 5% 1/6W
R5P8	401K5695	R.CARBON 8.2K 5% 1/6W
R5P9	401K5695	R.CARBON 8.2K 5% 1/6W
R5Q0	401K5695	R.CARBON 8.2K 5% 1/6W
R5Q1	401K5695	R.CARBON 8.2K 5% 1/6W
R5Q2	401K5695	R.CARBON 8.2K 5% 1/6W
R5Q3	401K5695	R.CARBON 8.2K 5% 1/6W
R5Q4	401K5695	R.CARBON 8.2K 5% 1/6W
R5Q5	401K5695	R.CARBON 8.2K 5% 1/6W
R5Q6	401K5695	R.CARBON 8.2K 5% 1/6W
R5Q7	401K5695	R.CARBON 8.2K 5% 1/6W
R5Q8	401K5695	R.CARBON 8.2K 5% 1/6W
R5Q9	401K5695	R.CARBON 8.2K 5% 1/6W
R5R0	401K5695	R.CARBON 8.2K 5% 1/6W
R5R1	401K5695	R.CARBON 8.2K 5% 1/6W
R5R2	401K5695	R.CARBON 8.2K 5% 1/6W
R5R3	401K5695	R.CARBON 8.2K 5% 1/6W
R5R4	401K5695	R.CARBON 8.2K 5% 1/6W
R5R5	401K5695	R.CARBON 8.2K 5% 1/6W
R5R6	401K5695	R.CARBON 8.2K 5% 1/6W
R5R7	401K5695	R.CARBON 8.2K 5% 1/6W
R5R8	401K5695	R.CARBON 8.2K 5% 1/6W
R5R9	401K5695	R.CARBON 8.2K 5% 1/6W
R5S0	401K5695	R.CARBON 8.2K 5% 1/6W
R5S1	401K5695	R.CARBON 8.2K 5% 1/6W
R5S2	401K5695	R.CARBON 8.2K 5% 1/6W
R5S3	401K5695	R.CARBON 8.2K 5% 1/6W
R5S4	401K5695	R.CARBON 8.2K 5% 1/6W
R5S5	401K5695	R.CARBON 8.2K 5% 1/6W
R5S6	401K5695	R.CARBON 8.2K 5% 1/6W
R5S7	401K5695	R.CARBON 8.2K 5% 1/6W
R5S8	401K5695	R.CARBON 8.2K 5% 1/6W
R5S9	401K5695	R.CARBON 8.2K 5% 1/6W
R5T0	401K5695	R.CARBON 8.2K 5% 1/6W
R5T1	401K5695	R.CARBON 8.2K 5% 1/6W
R5T2	401K5695	R.CARBON 8.2K 5% 1/6W
R5T3	401K5695	R.CARBON 8.2K 5% 1/6W
R5T4	401K5695	R.CARBON 8.2K 5% 1/6W
R5T5	401K5695	R.CARBON 8.2K 5% 1/6W
R5T6	401K5695	R.CARBON 8.2K 5% 1/6W
R5T7	401K5695	R.CARBON 8.2K 5% 1/6W
R5T8	401K5695	R.CARBON 8.2K 5% 1/6W
R5T9	401K5695	R.CARBON 8.2K 5% 1/6W
R5U0	401K5695	R.CARBON 8.2K 5% 1/6W
R5U1	401K5695	R.CARBON 8.2K 5% 1/6W
R5U2	401K5695	R.CARBON 8.2K 5% 1/6W
R5U3	401K5695	R.CARBON 8.2K 5% 1/6W
R5U4	401K5695	R.CARBON 8.2K 5% 1/6W
R5U5	401K5695	R.CARBON 8.2K 5% 1/6W
R5U6	401K5695	R.CARBON 8.2K 5% 1/6W
R5U7	401K5695	R.CARBON 8.2K 5% 1/6W
R5U8	401K5695	R.CARBON 8.2K 5% 1/6W
R5U9	401K5695	R.CARBON 8.2K 5% 1/6W
R5V0	401K5695	R.CARBON 8.2K 5% 1/6W
R5V1	401K5695	R.CARBON 8.2K 5% 1/6W
R5V2	401K5695	R.CARBON 8.2K 5% 1/6W
R5V3	401K5695	R.CARBON 8.2K 5% 1/6W
R5V4	401K5695	R.CARBON 8.2K 5% 1/6W
R5V5	401K5695	R.CARBON 8.2K 5% 1/6W
R5V6	401K5695	R.CARBON 8.2K 5% 1/6W
R5V7	401K5695	R.CARBON 8.2K 5% 1/6W
R5V8	401K5695	R.CARBON 8.2K 5% 1/6W
R5V9	401K5695	R.CARBON 8.2K 5% 1/6W
R5W0	401K5695	R.CARBON 8.2K 5% 1/6W
R5W1	401K5695	R.CARBON 8.2K 5% 1/6W
R5W2	401K5695	R.CARBON 8.2K 5% 1/6W
R5W3	401K5695	R.CARBON 8.2K 5% 1/6W
R5W4	401K5695	R.CARBON 8.2K 5% 1/6W
R5W5	401K5695	R.CARBON 8.2K 5% 1/6W
R5W6	401K5695	R.CARBON 8.2K 5% 1/6W
R5W7	401K5695	R.CARBON 8.2K 5% 1/6W
R5W8	401K5695	R.CARBON 8.2K 5% 1/6W
R5W9	401K5695	R.CARBON 8.2K 5% 1/6W
R5X0	401K5695	R.CARBON 8.2K 5% 1/6W
R5X1	401K5695	R.CARBON 8.2K 5% 1/6W
R5X2	401K5695	R.CARBON 8.2K 5% 1/6W
R5X3	401K5695	R.CARBON 8.2K 5% 1/6W
R5X4	401K5695	R.CARBON 8.2K 5% 1/6W
R5X5	401K5695	R.CARBON 8.2K 5% 1/6W
R5X6	401K5695	R.CARBON 8.2K 5% 1/6W
R5X7	401K5695	R.CARBON 8.2K 5% 1/6W
R5X8	401K5695	R.CARBON 8.2K 5% 1/6W
R5X9	401K5695	R.CARBON 8.2K 5% 1/6W
R5Y0	401K5695	R.CARBON 8.2K 5% 1/6W
R5Y1	401K5695	R.CARBON 8.2K 5% 1/6W
R5Y2	401K5695	R.CARBON 8.2K 5% 1/6W
R5Y3	401K5695	R.CARBON 8.2K 5% 1/6W
R5Y4	401K5695	R.CARBON 8.2K 5% 1/6W
R5Y5	401K5695	R.CARBON 8.2K 5% 1/6W
R5Y6	401K5695	R.CARBON 8.2K 5% 1/6W
R5Y7	401K5695	R.CARBON 8.2K 5% 1/6W
R5Y8	401K5695	R.CARBON 8.2K 5% 1/6W
R5Y9	401K5695	R.CARBON 8.2K 5% 1/6W
R5Z0	401K5695	R.CARBON 8.2K 5% 1/6W
R5Z1	401K5695	R.CARBON 8.2K 5% 1/6W
R5Z2	401K5695	R.CARBON 8.2K 5% 1/6W
R5Z3	401K5695	R.CARBON 8.2K 5% 1/6W
R5Z4	401K5695	R.CARBON 8.2K 5% 1/6W
R5Z5	401K5695	R.CARBON 8.2K 5% 1/6W
R5Z6	401K5695	R.CARBON 8.2K 5% 1/6W
R5Z7	401K5695	R.CARBON 8.2K 5% 1/6W
R5Z8	401K5695	R.CARBON 8.2K 5% 1/6W
R5Z9	401K5695	R.CARBON 8.2K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R717	401K5697	R. CARBON 10K 5% 1/6W
R718	401K5649	R. CARBON 100H 5% 1/6W
R720B	401K5687	R. CARBON 3.9K 5% 1/6W
R720G	401K5687	R. CARBON 3.9K 5% 1/6W
R720R	401K5687	R. CARBON 3.9K 5% 1/6W
R721	404C1700	R. METAL 13K 1% 1/6W
R722	404C1709	R. METAL 33K 1% 1/6W
R723	404C1682	R. METAL 2.4K 1% 1/6W
R724	404C1663	R. METAL 390H 1% 1/6W
R726B	401K5669	R. CARBON 680H 5% 1/6W
R726G	401K5669	R. CARBON 680H 5% 1/6W
R726R	401K5669	R. CARBON 680H 5% 1/6W
R727	401K5699	R. CARBON 12K 5% 1/6W
R728	401K5691	R. CARBON 5.6K 5% 1/6W
R729	401K5689	R. CARBON 4.7K 5% 1/6W
R730	401K5689	R. CARBON 4.7K 5% 1/6W
R731B	401J9820	R. CARBON 0.0H
R731R	401J9820	R. CARBON 0.0H
R733	401K5649	R. CARBON 100H 5% 1/6W
R750B	401K5657	R. CARBON 220H 5% 1/6W
R750G	401K5657	R. CARBON 220H 5% 1/6W
R750R	401K5657	R. CARBON 220H 5% 1/6W
R751B	401K5655	R. CARBON 180H 5% 1/6W
R751G	401K5655	R. CARBON 180H 5% 1/6W
R751R	401K5655	R. CARBON 180H 5% 1/6W
R760B	401K5655	R. CARBON 180H 5% 1/6W
R760G	401K5655	R. CARBON 180H 5% 1/6W
R760R	401K5655	R. CARBON 180H 5% 1/6W
R761B	401C6635	R. CARBON 27H 5% 1/4W
R761G	401C6635	R. CARBON 27H 5% 1/4W
R761R	401C6635	R. CARBON 27H 5% 1/4W
R762	401K5667	R. CARBON 560H 5% 1/6W
R770	401K5673	R. CARBON 1.0K 5% 1/6W
R771	401K5673	R. CARBON 1.0K 5% 1/6W
R772	401K5679	R. CARBON 1.8K 5% 1/6W
R774B	401K5683	R. CARBON 390H 5% 1/6W
R774G	401K5683	R. CARBON 390H 5% 1/6W
R774R	401K5683	R. CARBON 390H 5% 1/6W
R775B	401K5673	R. CARBON 1.0K 5% 1/6W
R775G	401K5673	R. CARBON 1.0K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R886	401K5691	R. CARBON 5.6K 5% 1/6W
R887	401K5697	R. CARBON 10K 5% 1/6W
R888	401K5721	R. CARBON 100K 5% 1/6W
R8C0	401K5673	R. CARBON 1.0K 5% 1/6W
R8C1	404C1661	R. METAL 330H 1% 1/6W
R8C2	404C1663	R. METAL 390H 1% 1/6W
R8C3	401K5697	R. CARBON 10K 5% 1/6W
R8D0	401K5713	R. CARBON 47K 5% 1/6W
R8E0	401K5679	R. CARBON 1.8K 5% 1/6W
▲R8E1	404K5125	R. METAL 10H 5% 1/4W
R801	401K5711	R. CARBON 39K 5% 1/6W
R802	401K5707	R. CARBON 27K 5% 1/6W
R803	401K5679	R. CARBON 1.8K 5% 1/6W
R804	404C1705	R. METAL 22K 1% 1/6W
R805	401K5711	R. CARBON 39K 5% 1/6W
R806	401K5707	R. CARBON 27K 5% 1/6W
R807	401K5679	R. CARBON 1.8K 5% 1/6W
R808	401K5705	R. CARBON 22K 5% 1/6W
R809	401K5707	R. CARBON 27K 5% 1/6W
R810	401K5673	R. CARBON 1.0K 5% 1/6W
R811	401K5673	R. CARBON 1.0K 5% 1/6W
R812	401K5683	R. CARBON 2.7K 5% 1/6W
R813	401K5697	R. CARBON 10K 5% 1/6W
R814	401K5691	R. CARBON 5.6K 5% 1/6W
R815	401K5721	R. CARBON 100K 5% 1/6W
R816	401K5673	R. CARBON 1.0K 5% 1/6W
R817	401K5717	R. CARBON 68K 5% 1/6W
R819	401K5717	R. CARBON 68K 5% 1/6W
R821	401K5653	R. CARBON 150H 5% 1/6W
R822	401K5667	R. CARBON 560H 5% 1/6W
R823	401K5667	R. CARBON 560H 5% 1/6W
R825	401K5667	R. CARBON 560H 5% 1/6W
R826	401K5673	R. CARBON 1.0K 5% 1/6W
R827	401K5673	R. CARBON 1.0K 5% 1/6W
R830	401K5705	R. CARBON 22K 5% 1/6W
R840	401K5625	R. CARBON 10H 5% 1/6W
R841	401K5659	R. CARBON 270H 5% 1/6W
R841	401K5703	R. CARBON 18K 5% 1/6W
R842	401K5661	R. CARBON 330H 5% 1/6W
R842	401K5671	R. CARBON 820H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R775R	401K5673	R. CARBON 1.0K 5% 1/6W
R776	401K5653	R. CARBON 150H 5% 1/6W
R780B	401K5731	R. CARBON 270K 5% 1/6W
R780G	401K5731	R. CARBON 270K 5% 1/6W
R780R	401K5731	R. CARBON 270K 5% 1/6W
R781B	401K5729	R. CARBON 220K 5% 1/6W
R781G	401K5729	R. CARBON 220K 5% 1/6W
R781R	401K5729	R. CARBON 220K 5% 1/6W
R782B	401K5723	R. CARBON 120K 5% 1/6W
R782G	401K5723	R. CARBON 120K 5% 1/6W
R782R	401K5723	R. CARBON 120K 5% 1/6W
R783B	401K5709	R. CARBON 33K 5% 1/6W
R783G	401K5709	R. CARBON 33K 5% 1/6W
R783R	401K5709	R. CARBON 33K 5% 1/6W
R784B	401K5701	R. CARBON 15K 5% 1/6W
R784G	401K5701	R. CARBON 15K 5% 1/6W
R784R	401K5701	R. CARBON 15K 5% 1/6W
R785B	401K5703	R. CARBON 18K 5% 1/6W
R785G	401K5703	R. CARBON 18K 5% 1/6W
R785R	401K5703	R. CARBON 18K 5% 1/6W
R786	401K5749	R. CARBON 1.5M 5% 1/6W
R787	401K5673	R. CARBON 1.0K 5% 1/6W
R789	401K5753	R. CARBON 2.2M 5% 1/6W
R790	401K5689	R. CARBON 4.7K 5% 1/6W
R791	401K5697	R. CARBON 10K 5% 1/6W
R792	401K5685	R. CARBON 3.3K 5% 1/6W
R8A0	404C1708	R. METAL 30K 1% 1/6W
R8A1	404C1697	R. METAL 10K 1% 1/6W
R8A3	401K5697	R. CARBON 10K 5% 1/6W
R8A4	401K5665	R. CARBON 470H 5% 1/6W
R8A5	401K5685	R. CARBON 3.3K 5% 1/6W
R8A5	401K5681	R. CARBON 2.2K 5% 1/6W
R8A8	401K5691	R. CARBON 5.6K 5% 1/6W
R8A9	401K5657	R. CARBON 220H 5% 1/6W
R8B0	401K5689	R. CARBON 4.7K 5% 1/6W
R8B1	401K5689	R. CARBON 4.7K 5% 1/6W
R8B2	401K5689	R. CARBON 4.7K 5% 1/6W
R8B3	401K5691	R. CARBON 5.6K 5% 1/6W
R8B4	401K5691	R. CARBON 5.6K 5% 1/6W
R8B5	401K5691	R. CARBON 5.6K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R843	401K5739	R. CARBON 560K 5% 1/6W
R844	401K5739	R. CARBON 560K 5% 1/6W
R845	401K5739	R. CARBON 560K 5% 1/6W
R846	401K5739	R. CARBON 560K 5% 1/6W
R856	401K5697	R. CARBON 10K 5% 1/6W
R857	401K5713	R. CARBON 47K 5% 1/6W
R859	401K5691	R. CARBON 5.6K 5% 1/6W
R860	401K5691	R. CARBON 5.6K 5% 1/6W
R861	401K5691	R. CARBON 5.6K 5% 1/6W
R865	401K5691	R. CARBON 5.6K 5% 1/6W
R866	401K5691	R. CARBON 5.6K 5% 1/6W
R867	401K5691	R. CARBON 5.6K 5% 1/6W
R868	401K5691	R. CARBON 5.6K 5% 1/6W
R869	401K5691	R. CARBON 5.6K 5% 1/6W
R870	401K5691	R. CARBON 5.6K 5% 1/6W
R871	401K5691	R. CARBON 5.6K 5% 1/6W
R872	401K5691	R. CARBON 5.6K 5% 1/6W
R873	401K5691	R. CARBON 5.6K 5% 1/6W
R874	401K5691	R. CARBON 5.6K 5% 1/6W
R875	401K5691	R. CARBON 5.6K 5% 1/6W
R887	401K5713	R. CARBON 47K 5% 1/6W
R888	401K5673	R. CARBON 1.0K 5% 1/6W
R889	401K5673	R. CARBON 1.0K 5% 1/6W
R890	404C1677	R. METAL 1.5K 1% 1/6W
R891	404C1679	R. METAL 1.8K 1% 1/6W
R892	401K5653	R. CARBON 150H 5% 1/6W
R893	404C1659	R. METAL 270H 1% 1/6W
R894	401K5673	R. CARBON 1.0K 5% 1/6W
R895	404C1659	R. METAL 270H 1% 1/6W
R896	404C1660	R. METAL 300H 1% 1/6W
R897	404C1662	R. METAL 360H 1% 1/6W
R898	404C1645	R. METAL 68H 1% 1/6W
R899	401K5673	R. CARBON 1.0K 5% 1/6W
R904	401H5637	R. CARBON 33H 5% 1/2W
R905	401H5637	R. CARBON 33H 5% 1/2W
R906	401H5637	R. CARBON 33H 5% 1/2W
R907	401K5633	R. CARBON 22H 5% 1/6W
R908	401H5649	R. CARBON 100H 5% 1/2W
R909	401C6689	R. CARBON 4.7K 5% 1/4W
ZD564	401J9820	R. CARBON 0.0H

SYMBOL	PARTS NO	DESCRIPTION
ZD565	401J9820	R.CARBON 0.0H

\*\*\* CAPACITORS \*\*\*

C101	421C3479	C.CERAMIC 50V 0.1UF
△C2003	43086065	C.ELEC 50V 10UF
△C2004	43086065	C.ELEC 50V 10UF
C2005	421C0225	C.CERAMIC 50V 0.01UF
C4A1	427F4613	C.FILM 50V 0.01UF
C4A2	427F4614	C.FILM 50V 0.012UF
C4A3	421C3479	C.CERAMIC 50V 0.1UF
C4A4	427F4625	C.FILM 50V 0.1UF
C4A5	421C3479	C.CERAMIC 50V 0.1UF
C4A6	421C3479	C.CERAMIC 50V 0.1UF
C4A7	428B3025	C.METAL FILM 50V 1.0UF
C4A8	421C3479	C.CERAMIC 50V 0.1UF
C4A9	421C3479	C.CERAMIC 50V 0.1UF
C4C0	43089016	C.ELEC 10V 100UF
C4C1	421C3479	C.CERAMIC 50V 0.1UF
C4C2	430C0065	C.ELEC 35V 10UF
C4C3	430C0065	C.ELEC 35V 10UF
C4C4	421C3479	C.CERAMIC 50V 0.1UF
C4C5	43086068	C.ELEC 50V 47UF
C4C6	421C3479	C.CERAMIC 50V 0.1UF
C4C7	43088155	C.ELEC 25V 47UF
C4C8	421C3479	C.CERAMIC 50V 0.1UF
C4C9	43088155	C.ELEC 25V 47UF
C4E0	421C3479	C.CERAMIC 50V 0.1UF
C4E2	421C3479	C.CERAMIC 50V 0.1UF
C4E4	421C3479	C.CERAMIC 50V 0.1UF
C4E5	421C0213	C.CERAMIC 50V 1000PF
C401	43089030	C.ELEC 16V 220UF
C402	428B3025	C.METAL FILM 50V 1.0UF
C403	43089054	C.ELEC 35V 100UF
C404	43089055	C.ELEC 35V 220UF
C405	423A2023	C.CERAMIC 50V 12PF
C406	428B3017	C.METAL FILM 50V 0.22UF
C407	4309H061	C.ELEC 35V 2200UF
C408	428B3024	C.METAL FILM 50V 0.82UF
C410	43089054	C.ELEC 35V 100UF

SYMBOL	PARTS NO	DESCRIPTION
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C5F1	43086029	C.ELEC 16V 100UF
C5F2	423A2028	C.CERAMIC 50V 20PF
C5F3	427F4601	C.FILM 50V 1000PF
C5F4	421C0225	C.CERAMIC 50V 0.01UF
C5F5	423A2029	C.CERAMIC 50V 22PF
C5F6	421D6013	C.CERAMIC 50V 0.1UF
C5F7	423A2041	C.CERAMIC 50V 68PF
C5F8	421C3479	C.CERAMIC 50V 0.1UF
C5F9	430C0045	C.ELEC 16V 22UF
C5H0	43086017	C.ELEC 10V 220UF
C5H1	421C2862	C.CERAMIC 25V 0.01UF
C5H2	43088165	C.ELEC 35V 47UF
C5H3	421A0425	C.CERAMIC 50V 0.01UF
C5H4	421C3479	C.CERAMIC 50V 0.1UF
C5H5	421C3479	C.CERAMIC 50V 0.1UF
C5H6	43086068	C.ELEC 50V 47UF
C5H7	421C3479	C.CERAMIC 50V 0.1UF
C5H8	43086041	C.ELEC 25V 47UF
C5H9	421C3479	C.CERAMIC 50V 0.1UF
C5J1	421C3479	C.CERAMIC 50V 0.1UF
C5J3	421C3479	C.CERAMIC 50V 0.1UF
CSK0	421C3479	C.CERAMIC 50V 0.1UF
CSK1	430C0043	C.ELEC 16V 10UF
CS03	430C6344	C.ELEC 35V 100UF
△C504	420C9567	C.CERAMIC 500V 2200PF
△C505	42817011	C.METAL FILM 1.4KV 2700PF
△C506	42817010	C.METAL FILM 1.4KV 2400PF
△C507	42839710	C.METAL 400V 0.39UF
△C508	42839301	C.METAL 400V 0.1UF
△C509	42899124	C.METAL FILM 400V 0.33UF
△C510	42843506	C.METAL 400V 0.6UF
△C511	420C9565	C.CERAMIC 500V 1500PF
△C512	420C9563	C.CERAMIC 500V 1000PF
△C513	421C2862	C.CERAMIC 25V 0.01UF
C514	421C2862	C.CERAMIC 25V 0.01UF
C515	421C2862	C.CERAMIC 25V 0.01UF
C516	43086017	C.ELEC 10V 220UF
C517	43086017	C.ELEC 10V 220UF
C518	423A2039	C.CERAMIC 50V 56PF
C519	43089053	C.ELEC 35V 47UF

SYMBOL	PARTS NO	DESCRIPTION
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C411	427F4666	C.FILM 50V 0.018UF
C421	428B3024	C.METAL FILM 50V 0.82UF
C422	428B3013	C.METAL FILM 50V 0.1UF
C426	421C3479	C.CERAMIC 50V 0.1UF
C427	421C3479	C.CERAMIC 50V 0.1UF
C428	421C3479	C.CERAMIC 50V 0.1UF
C431	430C0045	C.ELEC 16V 22UF
C432	430C0052	C.ELEC 25V 4.7UF
C5A1	43518712	C.TANTALUM 35V 6.8UF
CSA2	427F4616	C.FILM 50V 0.018UF
CSA3	430C0077	C.ELEC 50V 1.0UF
CSA4	427F4607	C.FILM 50V 3300PF
CSA5	423J9017	C.CERAMIC 50V 270PF
CSA6	423J9017	C.CERAMIC 50V 270PF
CSA7	423A2029	C.CERAMIC 50V 22PF
CSA8	421C3479	C.CERAMIC 50V 0.1UF
CSA9	427F6999	C.FILM 50V 470PF
CS00	421A0425	C.CERAMIC 50V 0.01UF
CS03	423A2045	C.CERAMIC 50V 100PF
CS05	421A0425	C.CERAMIC 50V 0.01UF
CS07	427F8405	C.FILM 100V 2200PF
CS08	421C3479	C.CERAMIC 50V 0.1UF
CS01	421C3479	C.CERAMIC 50V 0.1UF
CS02	43086068	C.ELEC 50V 47UF
CS03	423A2037	C.CERAMIC 50V 47PF
CS04	427F4604	C.FILM 50V 1800PF
CS05	427F4601	C.FILM 50V 1000PF
CS06	43089038	C.ELEC 25V 10UF
CS07	427F4601	C.FILM 50V 1000PF
CS08	421C3479	C.CERAMIC 50V 0.1UF
CS09	43086017	C.ELEC 10V 220UF
CS00	427F4601	C.FILM 50V 1000PF
CS01	433A4043	C.ELEC 35V 4.7UF
CS02	43089061	C.ELEC 50V 1.0UF
CS03	427F4672	C.FILM 50V 0.056UF
CS04	423A2103	C.CERAMIC 50V 180PF
CS06	421C3479	C.CERAMIC 50V 0.1UF
CS07	427F4609	C.FILM 50V 4700PF
CS08	421D6013	C.CERAMIC 50V 0.1UF
CS09	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
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C520	428CJ022	C.METAL FILM 250V 0.1UF
C521	430J8102	C.ELEC 160V 3.3UF
C522	430J8103	C.ELEC 160V 10UF
C523	43086512	C.ELEC 160V 1.0UF
C524	420C9571	C.CERAMIC 500V 4700PF
C526	4282C121	C.METAL FILM 50V 0.47UF
C527	428B3025	C.METAL FILM 50V 1.0UF
C528	427F8225	C.FILM 50V 1000PF
C529	427F4675	C.FILM 50V 0.1UF
△C530	42807516	C.FILM 1.6KV 4300PF
△C531	42807516	C.FILM 1.6KV 4300PF
△C532	428CJ022	C.METAL FILM 250V 0.1UF
C533	43089098	C.ELEC 100V 10 UF
C535	430J8104	C.ELEC 200V 10UF
C537	428CJ022	C.METAL FILM 250V 0.1UF
C539	4309H050	C.ELEC 250V 3.3UF
C540	43089532	C.ELEC 200V 1.0UF
C541	43089537	C.ELEC 200V 22UF
C542	421C3479	C.CERAMIC 50V 0.1UF
C545	423A1045	C.CERAMIC 50V 100PF
C548	421C3479	C.CERAMIC 50V 0.1UF
C551	43089033	C.ELEC 16V 1000UF
C553	43089053	C.ELEC 35V 47UF
C554	43089042	C.ELEC 25V 100UF
C555	43089054	C.ELEC 35V 100UF
C556	430C6347	C.ELEC 35V 470UF
C557	430C6316	C.ELEC 10V 1000UF
C558	43089019	C.ELEC 10V 470UF
C559	43089041	C.ELEC 25V 47UF
C561	43089045	C.ELEC 25V 470UF
C562	43089030	C.ELEC 16V 220UF
C563	421A0425	C.CERAMIC 50V 0.01UF
C564	43086030	C.ELEC 16V 220UF
C565	421D6013	C.CERAMIC 50V 0.1UF
C570	43086016	C.ELEC 10V 100UF
C573	4308F046	C.ELEC 25V 1000UF
C591	43086053	C.ELEC 35V 47UF
C592	43086533	C.ELEC 200V 2.2UF
C593	428CD417	C.METAL FILM 250V 0.22UF
C701	421D6009	C.CERAMIC 25V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C702B	433A4013	C.ELEC 10V 47UF
C702G	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C703B	421A0425	C.CERAMIC 50V 0.01UF
C703G	421A0425	C.CERAMIC 50V 0.01UF
C703R	421A0425	C.CERAMIC 50V 0.01UF
C704B	430B8145	C.ELEC 10V 100UF
C704G	430B8145	C.ELEC 10V 100UF
C704R	430B8145	C.ELEC 10V 100UF
C705B	430C0065	C.ELEC 35V 10UF
C705G	430C0065	C.ELEC 35V 10UF
C705R	430C0065	C.ELEC 35V 10UF
C706B	430C0065	C.ELEC 35V 10UF
C706G	430C0065	C.ELEC 35V 10UF
C706R	430C0065	C.ELEC 35V 10UF
C707B	430B6042	C.ELEC 25V 100UF
C707G	430B6042	C.ELEC 25V 100UF
C707R	430B6042	C.ELEC 25V 100UF
C708B	430C0065	C.ELEC 35V 10UF
C708G	430C0065	C.ELEC 35V 10UF
C708R	430C0065	C.ELEC 35V 10UF
C709B	421D6009	C.CERAMIC 25V 0.1UF
C709G	421D6009	C.CERAMIC 25V 0.1UF
C709R	421D6009	C.CERAMIC 25V 0.1UF
C710	421D6009	C.CERAMIC 25V 0.1UF
C712	430B9028	C.ELEC 10V 47UF
C713	421D6009	C.CERAMIC 25V 0.1UF
C720B	433A7013	C.ELEC 10V 47UF
C720G	433A7013	C.ELEC 10V 47UF
C720R	433A7013	C.ELEC 10V 47UF
C721B	421C0213	C.CERAMIC 50V 1000PF
C721G	421C0213	C.CERAMIC 50V 1000PF
C721R	421C0213	C.CERAMIC 50V 1000PF
C724B	430B9028	C.ELEC 10V 47UF
C724G	430B9028	C.ELEC 10V 47UF
C724R	430B9028	C.ELEC 10V 47UF
C725B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C725R	421C0225	C.CERAMIC 50V 0.01UF
C726B	421C0225	C.CERAMIC 50V 0.01UF

SYMBOL	PARTS NO	DESCRIPTION
C8A5	421C3479	C.CERAMIC 50V 0.1UF
C8A6	421C3479	C.CERAMIC 50V 0.1UF
C8A7	430B8152	C.ELEC 25V 10UF
C8C1	430B6065	C.ELEC 50V 10UF
C8C3	421D6009	C.CERAMIC 25V 0.1UF
C8C4	430B6031	C.ELEC 16V 330UF
C8C5	430B6041	C.ELEC 25V 47UF
C802	433A4023	C.ELEC 16V 22UF
C803	433A4023	C.ELEC 16V 22UF
C804	421D6009	C.CERAMIC 25V 0.1UF
C805	423A2101	C.CERAMIC 50V 120PF
C806	421D6009	C.CERAMIC 25V 0.1UF
C807	430B6042	C.ELEC 25V 100UF
C808	427F4601	C.FILM 50V 1000PF
C809	427F4601	C.FILM 50V 1000PF
C810	427F4609	C.FILM 50V 4700PF
C811	433A4056	C.ELEC 50V 2.2UF
C812	430B6062	C.ELEC 50V 2.2UF
C813	430A4104	C.ELEC 50V 0.68UF
C814	433A4058	C.ELEC 50V 4.7UF
C815	430B6065	C.ELEC 50V 10UF
C816	430B6064	C.ELEC 50V 4.7UF
C817	430B6064	C.ELEC 50V 4.7UF
C818	430B6061	C.ELEC 50V 1.0UF
C819	423A2104	C.CERAMIC 50V 220PF
C840	421C3479	C.CERAMIC 50V 0.1UF
C841	421C3479	C.CERAMIC 50V 0.1UF
C842	421C3479	C.CERAMIC 50V 0.1UF
C855	430B6065	C.ELEC 50V 10UF
C856	423A2015	C.CERAMIC 50V 10PF
C857	423F0013	C.CERAMIC 50V 10PF
C874A	430B8145	C.ELEC 16V 100UF
C874B	421C3479	C.CERAMIC 50V 0.1UF
C880	421C3479	C.CERAMIC 50V 0.1UF
C887	421C3479	C.CERAMIC 50V 0.1UF
C888	421C3479	C.CERAMIC 50V 0.1UF
C889	421C3479	C.CERAMIC 50V 0.1UF
C890	421C3479	C.CERAMIC 50V 0.1UF
C892	421C3479	C.CERAMIC 50V 0.1UF
C893	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C726G	421C0225	C.CERAMIC 50V 0.01UF
C726R	421C0225	C.CERAMIC 50V 0.01UF
C727	421J9005	C.CERAMIC 25V 0.01UF
C729B	430B9062	C.ELEC 50V 2.2UF
C729G	430B9062	C.ELEC 50V 2.2UF
C729R	430B9062	C.ELEC 50V 2.2UF
C731	421C0225	C.CERAMIC 50V 0.01UF
C732	421C0225	C.CERAMIC 50V 0.01UF
C733	433A7021	C.ELEC 25V 10UF
C750B	421C0225	C.CERAMIC 50V 0.01UF
C750G	421C0225	C.CERAMIC 50V 0.01UF
C750R	421C0225	C.CERAMIC 50V 0.01UF
C751	421C0225	C.CERAMIC 50V 0.01UF
C752	430B9029	C.ELEC 16V 100UF
C760	421D6009	C.CERAMIC 25V 0.1UF
C761	430B9029	C.ELEC 16V 100UF
C762	430B9516	C.ELEC 10V 10UF
C763	420C9569	C.CERAMIC 50V 3300PF
C764B	423A2043	C.CERAMIC 50V 82PF
C764G	423A2043	C.CERAMIC 50V 82PF
C764R	423A2043	C.CERAMIC 50V 82PF
C781B	42840097	C.FILM 250V 0.22UF
C781G	42840097	C.FILM 250V 0.22UF
C781R	42840097	C.FILM 250V 0.22UF
C782B	430B9512	C.ELEC 160V 1.0UF
C782G	430B9512	C.ELEC 160V 1.0UF
C782R	430B9512	C.ELEC 160V 1.0UF
C783B	420C9563	C.CERAMIC 500V 1000PF
C783G	420C9563	C.CERAMIC 500V 1000PF
C783R	420C9563	C.CERAMIC 500V 1000PF
C786	430B9556	C.ELEC 250V 10UF
C787	420C9565	C.CERAMIC 500V 1500PF
C789	427E4163	C.FILM 100V 0.01UF
C792	430B9029	C.ELEC 15V 100UF
C793	430B9032	C.ELEC 16V 470UF
C794B	421C0221	C.CERAMIC 50V 4700PF
C794G	421C0221	C.CERAMIC 50V 4700PF
C8A0	430B9016	C.ELEC 10V 100UF
C8A3	421C3479	C.CERAMIC 50V 0.1UF
C8A4	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C899	430B6041	C.ELEC 25V 47UF
C901	420C9551	C.CERAMIC 500V 100PF
C902	420C9563	C.CERAMIC 500V 1000PF
C903	420DK108	C.CERAMIC 2KV 10000PF

For Service Manuals  
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email:- mauritron@diai.pipex.com

# REPLACEMENT PARTS LIST

The components specified for Model JC-1531VMR-2(N)

**Note:** The components identified by  $\Delta$  make are critical for safety.  
Replace only with parts Number specified.

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* CRT & TUNER \*\*\*

$\Delta$ CRT	33015507	CRT M36KME23XX19(T3) (R)
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\*\*\* ICS \*\*\*

IC4A1	37056963	IC UPC5203CU-025
IC4A2	37056877	IC NJM4200D (MULTIPLIER)
IC4A3	37056877	IC NJM4200D (MULTIPLIER)
IC4A4	37051036	MOS UPD4066BC
IC4A5	37011206	IC XRA10358 (OP-AMP)
IC4A6	37053133	MOS TCT4HC123P
IC401	37056889	IC LA7837
$\Delta$ IC5A1	37056217	IC LA7850
IC5A2	37056962	IC UPC5202CU-017
IC5A3	37011262	IC XRA10393 (COMP)
IC5A4	37011262	IC XRA10393 (COMP)
IC5A5	37056961	IC UPC5202CU-014
IC5A6	37011262	IC XRA10393 (COMP)
IC501	37053337	MOS XRM4538B (MULTIPLIER)
IC551	37005210	IC UPC24M18HF (REG)
IC552	37005193	IC PQ12RF11 (REG)
IC553	37005182	IC LM7812C (REG)
IC701	37056814	IC M52035P
IC702	37056923	IC M52307P
IC703	37056872	IC VPS08N
IC704	37011210	IC XRA10324 (Q OP-AMP)
IC801	37056867	IC M52036SP
$\Delta$ IC851	37056973	MOS UPD78C12AGQ-A89-36
IC852	37056813	IC M62359P
IC853	37056812	IC M62362P
IC854	37056812	IC M62362P
IC855	37055401	MOS XRM4538B-E
IC856	371E1514	IC PST5290-2(T) (VOLTAGE D
IC858	37011206	IC XRA10358 (OP-AMP)
IC859	37056917	IC XRA10324A (Q OP-AMP)
IC864	37903232	IC LM2940CT-5.0

SYMBOL	PARTS NO	DESCRIPTION
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Q551	350E3218	TR 2SC1740S-T R
Q552	35122100	TR 2SK703
Q553	350K5718	TR 2SA933S-T R
Q554	35026216	TR 2SB772 P
Q591	350K4518	TR 2SA933-T R
Q592	35056311	TR 2SC2688 K
Q701B	350J3016	TR 2SC2926S-T P
Q701G	350J3016	TR 2SC2926S-T P
Q701R	350J3016	TR 2SC2926S-T P
Q704	351G0601	TR DTC114ES-T
Q705	350E3218	TR 2SC1740S-T R
Q721	350E3218	TR 2SC1740S-T R
Q722	350K4518	TR 2SA933-T R
Q750B	350J4604	TR 2SC3776-AA D
Q750G	350J4604	TR 2SC3776-AA D
Q750R	350J4604	TR 2SC3776-AA D
Q770	350E3218	TR 2SC1740S-T R
Q771	350E3218	TR 2SC1740S-T R
Q772	350K4518	TR 2SA933-T R
Q780B	350K5217	TR 2SA1018-TA Q
Q780G	350K5217	TR 2SA1018-TA Q
Q780R	350K5217	TR 2SA1018-TA Q
Q781B	350H4417	TR 2SC1473-TA Q
Q781G	350H4417	TR 2SC1473-TA Q
Q781R	350H4417	TR 2SC1473-TA Q
Q801	350K4518	TR 2SA933-T R
Q802	350K4518	TR 2SA933-T R
Q803	351G0652	TR DTC1132S-T
Q804	351G0602	TR DTC144ES-T
Q805	351G0601	TR DTC114ES-T
Q806	351G0601	TR DTC114ES-T
Q851	351G0656	TR DTC143XS-T
Q852	350E3218	TR 2SC1740S-T R
Q853	35069805	TR 2SD1763 E

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* TRANSISTORS \*\*\*

Q4A1	350E3218	TR 2SC1740S-T R
Q4A2	351G0602	TR DTC144ES-T
Q4A3	350E3218	TR 2SC1740S-T R
Q4A4	351G0601	TR DTC114ES-T
Q401	350J2717	TR 2SC3377-T Q
Q402	359K7618	TR 2SA1515 R
Q404	351G0602	TR DTC144ES-T
Q406	351G0602	TR DTC144ES-T
Q431	350E3218	TR 2SC1740S-T R
Q432	350E3218	TR 2SC1740S-T R
Q5A1	350E3218	TR 2SC1740S-T R
Q5A2	350K5717	TR 2SA933S-T Q
Q5A3	350H5017	TR 2SC3811-TA Q
Q5A5	350E3218	TR 2SC1740S-T R
Q5A6	351G0601	TR DTC114ES-T
Q5F1	350K5717	TR 2SA933S-T Q
Q5H1	350H5018	TR 2SC3811-TA R
Q501	350E3218	TR 2SC1740S-T R
Q502	350K4519	TR 2SA933-T S
Q503	35122700	TR 2SK699
$\Delta$ Q504	35031112	TR 2SB1096 L
Q505	35070100	TR HPA100
Q506	35122500	TR 2SK758
Q507	35122500	TR 2SK758
Q508	35127300	TR 2SK947-M
Q509	351G0656	TR DTC143XS-T
Q510	35125400	TR 1RF9610
Q511	350C1218	TR 2SB1329-T105 R
Q512	350G1018	TR 2SD2005-T105 R
Q513	350E4311	TR 2SC2001-T K
Q514	350K4412	TR 2SA952 L AT
$\Delta$ Q515	35125500	TR 1RF9610
Q517	35125400	TR 1RF9610
Q518	350E3218	TR 2SC1740S-T R
Q519	350K5718	TR 2SA933S-T R
Q520	350E3218	TR 2SC1740S-T R
Q521	350K5718	TR 2SA933S-T R
Q522	350H5017	TR 2SC3811-TA Q

SYMBOL	PARTS NO	DESCRIPTION
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\*\*\* DIODES \*\*\*

D101	360K1027	DIODE 1SS132
D102	360K1027	DIODE 1SS132
D103	360K1027	DIODE 1SS132
D104	360K1027	DIODE 1SS132
D105	360K1027	DIODE 1SS132
D106	360K1027	DIODE 1SS132
D107	360K1027	DIODE 1SS132
D108	360K1027	DIODE 1SS132
D109	360K1027	DIODE 1SS132
D110	360K1027	DIODE 1SS132
D111	360K1027	DIODE 1SS132
D112	360K1027	DIODE 1SS132
D113	360K1027	DIODE 1SS132
D114	360K1027	DIODE 1SS132
D115	360K1027	DIODE 1SS132
D116	360K1027	DIODE 1SS132
D118	36801342	LED GL3EG8
D119	36801331	LED SLR-54MT3F/PO
D120	36801331	LED SLR-54MT3F/PO
$\Delta$ D2004	361K7562	DIODE EGP10G G23
$\Delta$ D2005	361K7562	DIODE EGP10G G23
D401	361K7160	DIODE TVR06G G23
D402	360K1027	DIODE 1SS132
D403	360K1027	DIODE 1SS132
D5A1	360K1027	DIODE 1SS132
D5A2	360K1027	DIODE 1SS132
D5A3	360K1027	DIODE 1SS132
D5A4	360K1027	DIODE 1SS132
D5A5	360K1027	DIODE 1SS132
D5A6	360K1027	DIODE 1SS132
D5A7	360K1027	DIODE 1SS132
D5A8	360K1027	DIODE 1SS132
D5A9	360K1027	DIODE 1SS132
D5C1	369K2136	DIODE RGP10G AT
D5E1	380K5054	VARIATOR MA29W-A (TP)
D5E2	380K5054	VARIATOR MA29W-A (TP)
D501	36107293	DIODE RK14
D503	36107560	DIODE RG2A2

SYMBOL	PARTS NO	DESCRIPTION
ΔD504	36107560	DIODE RG2A2
ΔD505	360K1027	DIODE 1SS132
ΔD506	360K1027	DIODE 1SS132
D507	360K1027	DIODE 1SS132
D508	36107507	DIODE RG4
D509	361K7160	DIODE TVR06G G23
D510	361K7562	DIODE EGP10G G23
D511	361K7562	DIODE EGP10G G23
D512	361K7562	DIODE EGP10G G23
D513	361K7562	DIODE EGP10G G23
D514	361K7160	DIODE TVR06G G23
D517	360K1027	DIODE 1SS132
D518	36107507	DIODE RG4
D519	361K7160	DIODE TVR06G G23
D521	361K7550	DIODE 1SR35-400A
D522	360K1027	DIODE 1SS132
D523	360K1027	DIODE 1SS132
D551	361K7630	DIODE EU 2YX V1
D552	361K7160	DIODE TVR06G G23
D553	361K7562	DIODE EGP10G G23
D555	360K1027	DIODE 1SS132
D556	360K1027	DIODE 1SS132
D557	361K7562	DIODE EGP10G G23
D558	361K7562	DIODE EGP10G G23
D571	360K1027	DIODE 1SS132
D591	360K1027	DIODE 1SS132
D592	360K1032	DIODE 1SS82-TA
D593	360K1032	DIODE 1SS82-TA
D701	360K1027	DIODE 1SS132
D702	360K1027	DIODE 1SS132
D703	360K1027	DIODE 1SS132
D704	360K1027	DIODE 1SS132
D705	360K1027	DIODE 1SS132
D706	360K1027	DIODE 1SS132
D707	360K1027	DIODE 1SS132
D708	360K1027	DIODE 1SS132
D709	360K1027	DIODE 1SS132
D710	360K1027	DIODE 1SS132
D711	360K1027	DIODE 1SS132

SYMBOL	PARTS NO	DESCRIPTION
D712	360K1027	DIODE 1SS132
D713	360K1027	DIODE 1SS132
D715B	360K1027	DIODE 1SS132
D715G	360K1027	DIODE 1SS132
D715R	360K1027	DIODE 1SS132
D720	360K1027	DIODE 1SS132
D721	360K5054	VARISTOR MA29W-A (TP)
D722	360K1027	DIODE 1SS132
D760B	360K1032	DIODE 1SS82-TA
D760G	360K1032	DIODE 1SS82-TA
D760R	360K1032	DIODE 1SS82-TA
D761B	360K1032	DIODE 1SS82-TA
D761G	360K1032	DIODE 1SS82-TA
D761R	360K1032	DIODE 1SS82-TA
D781B	360K1032	DIODE 1SS82-TA
D781G	360K1032	DIODE 1SS82-TA
D781R	360K1032	DIODE 1SS82-TA
D782	360K1037	DIODE 1SS83
D801	360K1027	DIODE 1SS132
D802	360K1027	DIODE 1SS132
D803	360K1027	DIODE 1SS132
Z04A1	360A0039	DIODE MTZJ5.6B T-T2
Z04A2	360K3694	DIODE RD22ESB(1)/ESAB(1)
Z0401	360A0094	DIODE MTZJ20D
Z0402	360K3602	DIODE RD2.0ESB(1)-T4
Z05A2	360A0035	DIODE MTZJ5.1B T-T2
Z05A3	360A0056	DIODE MTZJ8.2C T-T2
Z05A4	360A0054	DIODE MTZJ8.2A T-T2
Z05A5	360A0035	DIODE MTZJ5.1B T-T2
Z0502	360K3143	DIODE RD8.2ESB(1)-T4
Z0503	360K3659	DIODE RD9.1ESB(2)-T4
Z0504	360K3834	DIODE MTZ11ABC T-T2
Z0507	360K3660	DIODE RD9.1ESB(3)-T4
Z0510	360K3658	DIODE RD9.1ESB(1)-T4
Z0553	360K3134	DIODE RD15EB(2)-T4
Z0557	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
Z0558	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
Z0559	360K3655	DIODE RD8.2ESB(2)/ESAB(2)
Z0560	360K3624	DIODE RD3.9ESB(2)-T4

SYMBOL	PARTS NO	DESCRIPTION
ZD561	360K3624	DIODE RD3.9ESB(2)-T4
ZD562	360K3624	DIODE RD3.9ESB(2)-T4
ZD563	360K3635	DIODE RD5.1ESB(2)-T4
ZD570	36003662	DIODE RD10ESB(1)
ZD760	360A0056	DIODE MTZJ8.2C T-T2
ZD851	360K3634	DIODE RD5.1ESB(1)-T4
ZD852	360A0030	DIODE MTZJ4.7A T-T2
ZD853	360A0038	DIODE MTZJ5.6A T-T2
ZD854	360A0009	DIODE MTZJ2.4B T-T2

\*\*\* TRANSFORMERS \*\*\*

L507	46206002	TRANS. CHOKE 8MH
T501	45804009	TRANS. H. DRIVE
ΔT502	47710014	TRANS. H. OUT
T503	47105673	F. B. T
T551	46304113	TRANS. CONVERTER

\*\*\* VARIABLE RESISTORS \*\*\*

VR101	41011121	R.VARIABLE 850K
VR102	41011121	R.VARIABLE 850K
VR401	41071359	R.VARIABLE 82.2K
VR402	41071363	R.VARIABLE 810K
VR403	41087010	R.VARIABLE 20K 0.2W
VR404	410G1167	R.VARIABLE 847K
VR431	410G1161	R.VARIABLE 84.7K
VR501	410G1163	R.VARIABLE 810K
VR502	41087006	R.VARIABLE 82K
VR503	41087005	R.VARIABLE 81K
VR505	415K5158	R.VARIABLE 810K
VR551	41071360	R.VARIABLE 83.3K
VR552	41599203	R.VARIABLE 8200H
VR701	410G2060	R.VARIABLE 820K
VR702	410G2060	R.VARIABLE 820K
VR703	410G2060	R.VARIABLE 820K
VR704	410G2061	R.VARIABLE 830
VR705	410G2061	R.VARIABLE 830
VR706	410G2061	R.VARIABLE 830
VR707	410G2062	R.VARIABLE 850K
VR708	410G2062	R.VARIABLE 850K
VR709	410G2062	R.VARIABLE 850K

SYMBOL	PARTS NO	DESCRIPTION
VR710	410G2064	R.VARIABLE 8200K
VR851	41018255	R.VARIABLE 81K
VR852	41087005	R.VARIABLE 81K
VR854	410G1159	R.VARIABLE 82.2K

\*\*\* RELAYS & SWITCHES \*\*\*

ΔRL501	65660013	RELAY VE 24HME-K
RL502	65660028	RELAY SY-24W-K
SW	65360027	SWTCH. PUSH BUTTON
SW101	653F0033	SWTCH. PUSH BUTTON
SW102	653F0033	SWTCH. PUSH BUTTON
SW103	653F0033	SWTCH. PUSH BUTTON
SW104	653F0033	SWTCH. PUSH BUTTON
SW105	653F0033	SWTCH. PUSH BUTTON
SW106	653F0033	SWTCH. PUSH BUTTON
SW107	653F0033	SWTCH. PUSH BUTTON
SW108	653F0033	SWTCH. PUSH BUTTON
SW109	653F0033	SWTCH. PUSH BUTTON
SW110	653F0033	SWTCH. PUSH BUTTON
SW111	65161059	SWTCH. SLIDE 1-6L-3NS
SW112	65161048	SWTCH. SLIDE

\*\*\* COILS & FILTERS \*\*\*

DG	61315203	COIL. DEGAUSSING
FC701	39013039	C.NETWORK 25V 0.1UF
FC850	39013039	C.NETWORK 25V 0.1UF
FC851	39013041	C.NETWORK 25V 0.1UF
FC852	39013044	C.NETWORK 25V 0.1UF
FC853	39013041	C.NETWORK 25V 0.1UF
FL001	61062076	POWER LINE FILTER
FR850	390C0437	R.NETWORK 3*10K 5X 1/8W
FR851	390C0432	R.NETWORK 6*10K 5X 1/8W
FR852	390C0451	R.NETWORK 10K 5X 1/8W
LC701	390J9027	FILTER ZJSC-R12-100TA
LC702	390J9027	FILTER ZJSC-R12-100TA
LC703	390J9027	FILTER ZJSC-R12-100TA
LC760	616K6945	NOISE FILTER TH18103MA
LC781	616K6027	NOISE FILTER 2A222-TA
LC782	616K6966	NOISE FILTER

SYMBOL	PARTS NO	DESCRIPTION
LC783	616K6028	NOISE FILTER 1H223X-TA
LC801	61606822	NOISE FILTER 50V 47UH
LC802	390J9015	FILTER ZJSC-2R2-101TA
LC803	390J9015	FILTER ZJSC-2R2-101TA
LC804	390J9015	FILTER ZJSC-2R2-101TA
LC805	390J9015	FILTER ZJSC-2R2-101TA
LC850	616K6718	NOISE FILTER 10000UH
LC901	616K6028	NOISE FILTER 1H223X-TA
LC902	616K6075	NOISE FILTER
L401	610F7025	COIL.FILTER 47UH
LSA1	610E1717	COIL.FILTER 10UH
LSA2	610E1717	COIL.FILTER 10UH
LSA3	610E1717	COIL.FILTER 10UH
LSA4	610E1717	COIL.FILTER 10UH
△LS01	60919128	COIL.H.LIN
△LS02	60919129	COIL.H.LIN
△LS03	61070180	COIL.CHOKE 4MH
LS04	61070235	FILTER CHOKE 4MH
LS05	610F3025	COIL.FILTER 47UH
△LS09	610F3025	COIL.FILTER 47UH
LS10	61070181	COIL.CHOKE PJ87-102K
LS12	61070181	COIL.CHOKE PJ87-102K
LS51	610F3025	COIL.FILTER 47UH
LS52	610F3025	COIL.FILTER 47UH
LS53	610F7018	COIL.FILTER 12UH
L701B	610E1726	COIL.FILTER 56UH
L701G	610E1726	COIL.FILTER 56UH
L701R	610E1726	COIL.FILTER 56UH
L720	610E1729	COIL.FILTER 100UH
L761	610E1711	COIL.FILTER 3.3UH
L801	610F7010	COIL.FILTER 2.7UH
L901	610F5804	COIL.FILTER 0.47UH
L902	610F5804	COIL.FILTER 0.47UH
L903	610F5804	COIL.FILTER 0.47UH

\*\*\* PWB ASSYS \*\*\*

	84M40C03	VIDEO PWB ASSY
	84M40E01	UNIT PWB ASSY
	84M40F01	MAIN PWB ASSY
	84N44L01	CONTROL PWB ASSY

SYMBOL	PARTS NO	DESCRIPTION
*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***		
CABLE	70032056	CRT SOCKET
CORD	74004891	CAP
HS401	73893103	CABLE SIGNAL
	75513033	POWER CORD
	31709202	SHEET.INSULATOR
HS505	31709507	SHEET.INSULATOR HEAT SINK
HS515	31709505	SHEET.INSULATOR
LS06	49801010	INDUCTOR DUMMY
SG901	329J0047	ARRESTER (300V).AT52
SG902	329J0047	ARRESTER (300V).AT52
SG903	329J0047	ARRESTER (300V).AT52
SG904	329J0047	ARRESTER (300V).AT52
SG905	667K6007	SPARK GAP 1.5KV
△SW-PS	31104020	SW.REG.UNIT (SMP-120BB-1)
UNIT2	79100031	UNIT 2 (HV PROTECTOR)
X1	64099072	CRYSTAL RESONATOR

\*\*\* APPEARANCE PARTS \*\*\*

	25779951	NAME PLATE,INSTRUCTION
	25313822	CABINET BOTTOM
	25419001	REVOLVING STAND ASSY
	25317611	CABINET FRONT ASSY
	25313791	CABINET BACK ASSY
	25419021	REVOLVING SPINDLE
	25534631	COIL SPRING
	25757643	LABEL(REV.)

\*\*\* KNOBS & PUSH BUTTONS \*\*\*

	25454671	PUSH BUTTON (SW)
	25454681	KNOB CONTROL
	25454691	KNOB.SLIDE

\*\*\* PRINTED & PACKING MATERIALS \*\*\*

	24813191	BAG.POLYETHYLENE(150*370)
	25607291	SLIDE SHEET
	25823181	FILLER (T) CARTON
	25823192	FILLER (B) CARTON

SYMBOL	PARTS NO	DESCRIPTION
	25825501	SHEET.PROTECTION
	78034408	MONITOR SALES OFFICE LIST
	78043393	WARRANTY CARD
	78127522	INSTRUCTION BOOK

\*\*\* RESISTORS \*\*\*

C790	401J9820	R.CARBON 0.0H
R101	401J9820	R.CARBON 0.0H
R105	401H5671	R.CARBON 820H 5% 1/2W
R106	401K5697	R.CARBON 270H 5% 1/6W
	401K5697	R.CARBON 10K 5% 1/6W
R4A0	404C1723	R.METAL 120K 1% 1/6W
R4A1	404C1704	R.METAL 20K 1% 1/6W
R4A2	404C1723	R.METAL 120K 1% 1/6W
R4A3	404C1704	R.METAL 20K 1% 1/6W
R4A5	404C1723	R.METAL 120K 1% 1/6W
R4A6	404C1723	R.METAL 120K 1% 1/6W
R4A7	404C1697	R.METAL 10K 1% 1/6W
R4A8	404C1733	R.METAL 330K 1% 1/6W
R4A9	404C1727	R.METAL 180K 1% 1/6W
R4C0	404C1727	R.METAL 180K 1% 1/6W
R4C1	404C1727	R.METAL 180K 1% 1/6W
R4C2	404C1727	R.METAL 180K 1% 1/6W
R4C3	404C1727	R.METAL 180K 1% 1/6W
R4C4	404C1727	R.METAL 180K 1% 1/6W
R4C5	404C1727	R.METAL 180K 1% 1/6W
R4C6	401K5731	R.CARBON 270K 5% 1/5W
R4C7	404C1727	R.METAL 180K 1% 1/6W
R4C8	401K5681	R.CARBON 2.2K 5% 1/6W
R4C9	401K5677	R.CARBON 1.5K 5% 1/6W
R4D0	401K5647	R.CARBON 82H 5% 1/6W
R4D1	404C1704	R.METAL 20K 1% 1/6W
R4D2	401K5721	R.CARBON 100K 5% 1/6W
R4D3	401K5625	R.CARBON 10H 5% 1/6W
R4D5	404C1713	R.METAL 47K 1% 1/6W
R4D6	404C1737	R.METAL 470K 1% 1/6W
R4D7	401K5705	R.CARBON 22K 5% 1/6W
R4D8	404C1728	R.METAL 200K 1% 1/6W
R4D9	401K5689	R.CARBON 4.7K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R4E0	401K5705	R.CARBON 22K 5% 1/6W
R4E1	401K5697	R.CARBON 10K 5% 1/6W
R4E2	401K5697	R.CARBON 10K 5% 1/6W
R4E3	401K5697	R.CARBON 10K 5% 1/6W
R4E4	401K5697	R.CARBON 10K 5% 1/6W
R401	401K5709	R.CARBON 33K 5% 1/6W
R402	401K5683	R.CARBON 2.7K 5% 1/6W
R403	403F2103	R.METAL OXIDE 1.2H 5% 2W
R404	404C1703	R.METAL 18K 1% 1/6W
R405	404C1703	R.METAL 18K 1% 1/6W
R406	401K5709	R.CARBON 33K 5% 1/6W
R407	401H5653	R.CARBON 150H 5% 1/2W
R408	401K5611	R.CARBON 2.7H 5% 1/6W
R409	401K5721	R.CARBON 100K 5% 1/6W
R410	403F2151	R.METAL OXIDE 120H 5% 2W
△R411	401G6117	R.CARBON 4.7H 5% 1/4W
R412	401K5689	R.CARBON 4.7K 5% 1/6W
R413	401K5673	R.CARBON 1.0K 5% 1/6W
R414	401K5673	R.CARBON 1.0K 5% 1/6W
R415	401K5661	R.CARBON 330H 5% 1/6W
R420	401K5673	R.CARBON 1.0K 5% 1/6W
R421	404C1728	R.METAL 200K 1% 1/6W
R422	401K5689	R.CARBON 4.7K 5% 1/6W
R423	404C1740	R.METAL 620K 1% 1/6W
R425	404C1700	R.METAL 13K 1% 1/6W
R426	404C1724	R.METAL 130K 1% 1/6W
R427	404C1697	R.METAL 10K 1% 1/6W
R431	401K5689	R.CARBON 4.7K 5% 1/6W
R432	401K5673	R.CARBON 1.0K 5% 1/6W
R433	401K5713	R.CARBON 47K 5% 1/6W
R434	401K5713	R.CARBON 47K 5% 1/6W
R435	401K5689	R.CARBON 4.7K 5% 1/6W
R436	401K5689	R.CARBON 4.7K 5% 1/6W
R437	401K5681	R.CARBON 2.2K 5% 1/6W
△R5A1	401K5673	R.CARBON 1.0K 5% 1/6W
R5A2	401K5705	R.CARBON 22K 5% 1/6W
R5A3	401K5689	R.CARBON 4.7K 5% 1/6W
R5A4	401K5697	R.CARBON 10K 5% 1/6W
R5A5	401K5691	R.CARBON 5.6K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R5A6	401K5705	R.CARBON 22K 5% 1/6W
R5A7	401K5699	R.CARBON 12K 5% 1/6W
R5A8	401K5687	R.CARBON 3.9K 5% 1/6W
R5A9	401K5677	R.CARBON 1.5K 5% 1/6W
R5C0	404C1705	R.METAL 22K 1% 1/6W
R5C1	404C1711	R.METAL 35K 1% 1/6W
R5C3	401K5635	R.CARBON 27H 5% 1/6W
R5C4	401K5689	R.CARBON 4.7K 5% 1/6W
R5C5	401K5683	R.CARBON 2.7K 5% 1/6W
R5C7	404C1699	R.METAL 12K 1% 1/6W
R5C8	404C1684	R.METAL 3.0K 1% 1/6W
R5C9	401K5697	R.CARBON 10K 5% 1/6W
R5D1	401K5745	R.CARBON 1.0M 5% 1/6W
R5D2	404C1697	R.METAL 10K 1% 1/6W
R5D4	401K5697	R.CARBON 10K 5% 1/6W
R5D5	401K5695	R.CARBON 8.2K 5% 1/6W
R5D6	404C1707	R.METAL 27K 1% 1/6W
R5D8	404C1673	R.METAL 1.0K 1% 1/6W
R5D9	404C1685	R.METAL 3.3K 1% 1/6W
R5E1	404C1697	R.METAL 10K 1% 1/6W
R5E2	404C1731	R.METAL 270K 1% 1/6W
R5E3	404C1733	R.METAL 330K 1% 1/6W
R5E4	401K5745	R.CARBON 1.0M 5% 1/6W
△R5E5	401K5693	R.CARBON 6.8K 5% 1/6W
R5E6	401K5709	R.CARBON 33K 5% 1/6W
R5E7	401K5705	R.CARBON 22K 5% 1/6W
R5E8	401K5691	R.CARBON 5.6K 5% 1/6W
R5E9	401K5695	R.CARBON 8.2K 5% 1/6W
R5F0	401K5745	R.CARBON 1.0M 5% 1/6W
R5F1	401K5695	R.CARBON 8.2K 5% 1/6W
R5F2	401K5675	R.CARBON 1.2K 5% 1/6W
R5F3	401K5697	R.CARBON 10K 5% 1/6W
R5F4	401K5715	R.CARBON 56K 5% 1/6W
R5F5	401K5697	R.CARBON 10K 5% 1/6W
R5F6	401K5691	R.CARBON 5.6K 5% 1/6W
R5F7	401K5721	R.CARBON 100K 5% 1/6W
R5F8	401C6761	R.CARBON 4.7M 5% 1/4W
R5F9	401K5721	R.CARBON 100K 5% 1/6W
R5G0	401K5697	R.CARBON 10K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R524	401K5695	R.CARBON 8.2K 5% 1/6W
R525	401K5721	R.CARBON 100K 5% 1/6W
R526	401K5732	R.CARBON 330K 5% 1/6W
R527	404C1695	R.METAL 8.2K 1% 1/6W
R528	404C1673	R.METAL 1.0K 1% 1/6W
*R529	401K5697	R.CARBON 10K 5% 1/6W
R530	404C1697	R.METAL 10K 1% 1/6W
R531	401C6677	R.CARBON 1.5K 5% 1/4W
R532	401C6629	R.CARBON 15H 5% 1/4W
△R533	401H5687	R.CARBON 3.9K 5% 1/2W
R534	401K5731	R.CARBON 270K 5% 1/6W
R535	401K5729	R.CARBON 220K 5% 1/6W
△R536	401G6109	R.CARBON 2.2H 5% 1/4W
△R537	401G6109	R.CARBON 2.2H 5% 1/4W
R538	401G6109	R.CARBON 2.2H 5% 1/4W
△R540	403F1107	R.METAL 1.6H 5% 1W
R541	401H5697	R.CARBON 10K 5% 1/2W
R544	401C6673	R.CARBON 1.0K 5% 1/4W
R545	401C6697	R.CARBON 10K 5% 1/4W
R546	401K5733	R.CARBON 330K 5% 1/6W
R547	401K5733	R.CARBON 330K 5% 1/6W
R548	40372133	R.METAL 22H 5% 2W
R549	404C1739	R.METAL 560K 1% 1/6W
R553	401K5689	R.CARBON 4.7K 5% 1/6W
△R554	403F1101	R.METAL OXIDE 1H 5% 1W
△R555	401G6101	R.CARBON 1.0H 5% 1/4W
R559	401K5697	R.CARBON 10K 5% 1/6W
R560	401H5681	R.CARBON 2.2K 5% 1/2W
R561	401H5665	R.CARBON 470H 5% 1/2W
R562	404C1724	R.METAL 130K 1% 1/6W
R563	401K5681	R.CARBON 2.2K 5% 1/6W
△R570	401G6133	R.CARBON 2.2H 5% 1/4W
△R571	401G6133	R.CARBON 2.2H 5% 1/4W
R572	401H5693	R.CARBON 6.8K 5% 1/2W
R573	401K5697	R.CARBON 10K 5% 1/6W
R574	401K5697	R.CARBON 10K 5% 1/6W
R575	401C6689	R.CARBON 4.7K 5% 1/4W
R576	401K5705	R.CARBON 22K 5% 1/6W
R577	401K5673	R.CARBON 1.0K 5% 1/6W
R578	403F1177	R.METAL OXIDE 1.5K 5% 1W

SYMBOL	PARTS NO	DESCRIPTION
R5G1	401K5701	R.CARBON 15K 5% 1/6W
R5G2	401K5705	R.CARBON 22K 5% 1/6W
R5G3	401K5713	R.CARBON 47K 5% 1/6W
R5G4	401K5745	R.CARBON 1.0M 5% 1/6W
R5G5	401K5697	R.CARBON 10K 5% 1/6W
R5G6	401K5691	R.CARBON 5.6K 5% 1/6W
R5G7	401K5697	R.CARBON 10K 5% 1/6W
R5G8	401K5709	R.CARBON 33K 5% 1/6W
R5H2	401K5665	R.CARBON 470H 5% 1/6W
R5H3	401K5697	R.CARBON 10K 5% 1/6W
R5H4	401K5693	R.CARBON 6.8K 5% 1/6W
R5H5	401K5697	R.CARBON 10K 5% 1/6W
R5J0	401H5653	R.CARBON 150H 5% 1/2W
R5J2	403F2165	R.METAL 470H 5% 2W
R5K1	401K5715	R.CARBON 56K 5% 1/6W
R5K2	401K5715	R.CARBON 56K 5% 1/6W
R5K3	401K5715	R.CARBON 56K 5% 1/6W
R5L7	401K5697	R.CARBON 10K 5% 1/6W
R501	401K5675	R.CARBON 1.2K 5% 1/6W
R502	401K5661	R.CARBON 330H 5% 1/6W
R504	401C6673	R.CARBON 1.0K 5% 1/4W
R505	401K5673	R.CARBON 1.0K 5% 1/4W
△R506	40175137	R.CARBON 33H 5% 1/4W
△R507	40801004	R.FUSE 1.0H 500MA
R508A	403F2145	R.METAL 68H 5% 2W
R508B	403F1137	R.METAL 33H 5% 1W
R509	401C6657	R.CARBON 220H 5% 1/4W
R510	40216266	R.WIRE 2.4H 5% 7W
R511	40372107	R.METAL 1.8H 5% 2W
△R512	401C6651	R.CARBON 120H 5% 1/4W
R513	401C6657	R.CARBON 220H 5% 1/4W
R514	401K5649	R.CARBON 100H 5% 1/6W
R515	401K5649	R.CARBON 100H 5% 1/6W
R516	401K5649	R.CARBON 100H 5% 1/6W
△R518	401G6101	R.CARBON 1.0H 5% 1/4W
△R519	401G6101	R.CARBON 1.0H 5% 1/4W
R520	401G6167	R.CARBON 560H 5% 1/4W
R521	401G6143	R.CARBON 56H 5% 1/4W
R522	401C6657	R.CARBON 220H 5% 1/4W
R523	401C6697	R.CARBON 10K 5% 1/4W

SYMBOL	PARTS NO	DESCRIPTION
R580	401K5625	R.CARBON 10H 5% 1/6W
R581	401K5625	R.CARBON 10H 5% 1/6W
R582	401K5625	R.CARBON 10H 5% 1/6W
R583	401K5619	R.CARBON 5.6H 5% 1/6W
R591	401K5697	R.CARBON 10K 5% 1/6W
R592	401K5713	R.CARBON 47K 5% 1/6W
R593	401K5697	R.CARBON 10K 5% 1/6W
R594	401K5691	R.CARBON 5.6K 5% 1/6W
R595	401K5721	R.CARBON 100K 5% 1/6W
R701B	404K2646	R.METAL 75H 1% 1/4W
R701G	404K2646	R.METAL 75H 1% 1/4W
R701R	404K2646	R.METAL 75H 1% 1/4W
R702B	401K5695	R.CARBON 8.2K 5% 1/6W
R702G	401K5695	R.CARBON 8.2K 5% 1/6W
R702R	401K5695	R.CARBON 8.2K 5% 1/6W
R703B	401K5697	R.CARBON 10K 5% 1/6W
R703G	401K5697	R.CARBON 10K 5% 1/6W
R703R	401K5697	R.CARBON 10K 5% 1/6W
R704B	401K5659	R.CARBON 270H 5% 1/6W
R704G	401K5659	R.CARBON 270H 5% 1/6W
R704R	401K5659	R.CARBON 270H 5% 1/6W
R705B	401K5667	R.CARBON 560H 5% 1/6W
R705G	401K5667	R.CARBON 560H 5% 1/6W
R705R	401K5667	R.CARBON 560H 5% 1/6W
R706B	401K5673	R.CARBON 1.0K 5% 1/6W
R706G	401K5673	R.CARBON 1.0K 5% 1/6W
R706R	401K5673	R.CARBON 1.0K 5% 1/6W
R710B	401K5653	R.CARBON 150H 5% 1/6W
R710G	401K5653	R.CARBON 150H 5% 1/6W
R710R	401K5653	R.CARBON 150H 5% 1/6W
R711B	401K5669	R.CARBON 680H 5% 1/6W
R711G	401K5669	R.CARBON 680H 5% 1/6W
R711R	401K5669	R.CARBON 680H 5% 1/6W
R712B	401K5649	R.CARBON 100H 5% 1/6W
R712G	401K5649	R.CARBON 100H 5% 1/6W
R712R	401K5649	R.CARBON 100H 5% 1/6W
R713B	401K5705	R.CARBON 22K 5% 1/6W
R713G	401K5705	R.CARBON 22K 5% 1/6W
R713R	401K5705	R.CARBON 22K 5% 1/6W
R716	401K5695	R.CARBON 8.2K 5% 1/6W

JC-15  
VMR-2

SYMBOL	PARTS NO	DESCRIPTION
R717	401K5697	R.CARBON 10K 5% 1/6W
R718	401K5649	R.CARBON 100H 5% 1/6W
R720B	401K5687	R.CARBON 3.9K 5% 1/6W
R720G	401K5687	R.CARBON 3.9K 5% 1/6W
R720R	401K5687	R.CARBON 3.9K 5% 1/6W
R721	404C1700	R.METAL 13K 1% 1/6W
R722	404C1709	R.METAL 33K 1% 1/6W
R723	404C1682	R.METAL 2.4K 1% 1/6W
R724	404C1663	R.METAL 390H 1% 1/6W
R726B	401K5669	R.CARBON 680H 5% 1/6W
R726G	401K5669	R.CARBON 680H 5% 1/6W
R726R	401K5669	R.CARBON 680H 5% 1/6W
R727	401K5699	R.CARBON 12K 5% 1/6W
R728	401K5691	R.CARBON 5.6K 5% 1/6W
R729	401K5689	R.CARBON 4.7K 5% 1/6W
R730	401K5689	R.CARBON 4.7K 5% 1/6W
R731B	401J9820	R.CARBON 0.0H
R731R	401J9820	R.CARBON 0.0H
R733	401K5649	R.CARBON 100H 5% 1/6W
R750B	401K5657	R.CARBON 220H 5% 1/6W
R750G	401K5657	R.CARBON 220H 5% 1/6W
R750R	401K5657	R.CARBON 220H 5% 1/6W
R751B	401K5655	R.CARBON 180H 5% 1/6W
R751G	401K5655	R.CARBON 180H 5% 1/6W
R751R	401K5655	R.CARBON 180H 5% 1/6W
R760B	401K5655	R.CARBON 180H 5% 1/6W
R760G	401K5655	R.CARBON 180H 5% 1/6W
R760R	401K5655	R.CARBON 180H 5% 1/6W
R761B	401C6635	R.CARBON 27H 5% 1/4W
R761G	401C6635	R.CARBON 27H 5% 1/4W
R761R	401C6635	R.CARBON 27H 5% 1/4W
R762	401K5667	R.CARBON 560H 5% 1/6W
R770	401K5673	R.CARBON 1.0K 5% 1/6W
R771	401K5673	R.CARBON 1.0K 5% 1/6W
R772	401K5679	R.CARBON 1.8K 5% 1/6W
R774B	401K5663	R.CARBON 390H 5% 1/6W
R774G	401K5663	R.CARBON 390H 5% 1/6W
R774R	401K5663	R.CARBON 390H 5% 1/6W
R775B	401K5673	R.CARBON 1.0K 5% 1/6W
R775G	401K5673	R.CARBON 1.0K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R886	401K5691	R.CARBON 5.6K 5% 1/6W
R887	401K5697	R.CARBON 10K 5% 1/6W
R888	401K5721	R.CARBON 100K 5% 1/6W
R8C0	401K5673	R.CARBON 1.0K 5% 1/6W
R8C1	404C1661	R.METAL 330H 1% 1/6W
R8C2	404C1663	R.METAL 390H 1% 1/6W
R8C3	401K5697	R.CARBON 10K 5% 1/6W
R8D0	401K5713	R.CARBON 47K 5% 1/6W
R8E0	401K5679	R.CARBON 1.8K 5% 1/6W
R8E1	404K5125	R.METAL 10H 5% 1/4W
R801	401K5711	R.CARBON 39K 5% 1/6W
R802	401K5707	R.CARBON 27K 5% 1/6W
R803	401K5679	R.CARBON 1.8K 5% 1/6W
R804	404C1705	R.METAL 22K 1% 1/6W
R805	401K5711	R.CARBON 39K 5% 1/6W
R806	401K5707	R.CARBON 27K 5% 1/6W
R807	401K5679	R.CARBON 1.8K 5% 1/6W
R808	401K5705	R.CARBON 22K 5% 1/6W
R809	401K5707	R.CARBON 27K 5% 1/6W
R810	401K5673	R.CARBON 1.0K 5% 1/6W
R811	401K5673	R.CARBON 1.0K 5% 1/6W
R812	401K5683	R.CARBON 2.7K 5% 1/6W
R813	401K5697	R.CARBON 10K 5% 1/6W
R814	401K5691	R.CARBON 5.6K 5% 1/6W
R815	401K5721	R.CARBON 100K 5% 1/6W
R816	401K5673	R.CARBON 1.0K 5% 1/6W
R817	401K5717	R.CARBON 68K 5% 1/6W
R819	401K5717	R.CARBON 68K 5% 1/6W
R821	401K5653	R.CARBON 150H 5% 1/6W
R822	401K5667	R.CARBON 560H 5% 1/6W
R823	401K5667	R.CARBON 560H 5% 1/6W
R825	401K5667	R.CARBON 560H 5% 1/6W
R826	401K5673	R.CARBON 1.0K 5% 1/6W
R827	401K5673	R.CARBON 1.0K 5% 1/6W
R830	401K5705	R.CARBON 22K 5% 1/6W
R840	401K5625	R.CARBON 10H 5% 1/6W
R841	401K5659	R.CARBON 270H 5% 1/6W
R841	401K5703	R.CARBON 18K 5% 1/6W
R842	401K5661	R.CARBON 330H 5% 1/6W
R842	401K5671	R.CARBON 320H 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R775R	401K5673	R.CARBON 1.0K 5% 1/6W
R776	401K5653	R.CARBON 150H 5% 1/6W
R780B	401K5731	R.CARBON 270K 5% 1/6W
R780G	401K5731	R.CARBON 270K 5% 1/6W
R780R	401K5731	R.CARBON 270K 5% 1/6W
R781B	401K5729	R.CARBON 220K 5% 1/6W
R781G	401K5729	R.CARBON 220K 5% 1/6W
R781R	401K5729	R.CARBON 220K 5% 1/6W
R782B	401K5723	R.CARBON 120K 5% 1/6W
R782G	401K5723	R.CARBON 120K 5% 1/6W
R782R	401K5723	R.CARBON 120K 5% 1/6W
R783B	401K5709	R.CARBON 33K 5% 1/6W
R783G	401K5709	R.CARBON 33K 5% 1/6W
R783R	401K5709	R.CARBON 33K 5% 1/6W
R784B	401K5701	R.CARBON 15K 5% 1/6W
R784G	401K5701	R.CARBON 15K 5% 1/6W
R784R	401K5701	R.CARBON 15K 5% 1/6W
R785B	401K5703	R.CARBON 18K 5% 1/6W
R785G	401K5703	R.CARBON 18K 5% 1/6W
R785R	401K5703	R.CARBON 18K 5% 1/6W
R786	401K5749	R.CARBON 1.5M 5% 1/6W
R787	401K5673	R.CARBON 1.0K 5% 1/6W
R789	401K5753	R.CARBON 2.2M 5% 1/6W
R790	401K5689	R.CARBON 4.7K 5% 1/6W
R791	401K5697	R.CARBON 10K 5% 1/6W
R792	401K5685	R.CARBON 3.3K 5% 1/6W
R8A0	404C1708	R.METAL 30K 1% 1/6W
R8A1	404C1697	R.METAL 10K 1% 1/6W
R8A3	401K5697	R.CARBON 10K 5% 1/6W
R8A4	401K5655	R.CARBON 470H 5% 1/6W
R8A5	401K5685	R.CARBON 3.3K 5% 1/6W
R8A6	401K5681	R.CARBON 2.2K 5% 1/6W
R8A8	401K5691	R.CARBON 5.6K 5% 1/6W
R8A9	401K5657	R.CARBON 220H 5% 1/6W
R8B0	401K5689	R.CARBON 4.7K 5% 1/6W
R8B1	401K5689	R.CARBON 4.7K 5% 1/6W
R8B2	401K5689	R.CARBON 4.7K 5% 1/6W
R8B3	401K5691	R.CARBON 5.6K 5% 1/6W
R8B4	401K5691	R.CARBON 5.6K 5% 1/6W
R8B5	401K5691	R.CARBON 5.6K 5% 1/6W

SYMBOL	PARTS NO	DESCRIPTION
R843	401K5739	R.CARBON 560K 5% 1/6W
R844	401K5739	R.CARBON 560K 5% 1/6W
R845	401K5739	R.CARBON 560K 5% 1/6W
R846	401K5739	R.CARBON 560K 5% 1/6W
R856	401K5697	R.CARBON 10K 5% 1/6W
R857	401K5713	R.CARBON 47K 5% 1/6W
R859	401K5691	R.CARBON 5.6K 5% 1/6W
R860	401K5691	R.CARBON 5.6K 5% 1/6W
R861	401K5691	R.CARBON 5.6K 5% 1/6W
R865	401K5691	R.CARBON 5.6K 5% 1/6W
R866	401K5691	R.CARBON 5.6K 5% 1/6W
R867	401K5691	R.CARBON 5.6K 5% 1/6W
R868	401K5691	R.CARBON 5.6K 5% 1/6W
R869	401K5691	R.CARBON 5.6K 5% 1/6W
R870	401K5691	R.CARBON 5.6K 5% 1/6W
R871	401K5691	R.CARBON 5.6K 5% 1/6W
R872	401K5691	R.CARBON 5.6K 5% 1/6W
R873	401K5691	R.CARBON 5.6K 5% 1/6W
R874	401K5691	R.CARBON 5.6K 5% 1/6W
R875	401K5691	R.CARBON 5.6K 5% 1/6W
R887	401K5713	R.CARBON 47K 5% 1/6W
R888	401K5673	R.CARBON 1.0K 5% 1/6W
R889	401K5673	R.CARBON 1.0K 5% 1/6W
R890	404C1677	R.METAL 1.5K 1% 1/6W
R891	404C1679	R.METAL 1.8K 1% 1/6W
R892	401K5653	R.CARBON 150H 5% 1/6W
R893	404C1659	R.METAL 270H 1% 1/6W
R894	401K5673	R.CARBON 1.0K 5% 1/6W
R895	404C1659	R.METAL 270H 1% 1/6W
R896	404C1660	R.METAL 300H 1% 1/6W
R897	404C1662	R.METAL 360H 1% 1/6W
R898	404C1645	R.METAL 68H 1% 1/6W
R899	401K5673	R.CARBON 1.0K 5% 1/6W
R904	401H5637	R.CARBON 33H 5% 1/2W
R905	401H5637	R.CARBON 33H 5% 1/2W
R906	401H5637	R.CARBON 33H 5% 1/2W
R907	401K5633	R.CARBON 22H 5% 1/6W
R908	401H5649	R.CARBON 100H 5% 1/2W
R909	401C6689	R.CARBON 4.7K 5% 1/4W
ZD564	401J9820	R.CARBON 0.0H

SYMBOL	PARTS NO	DESCRIPTION
ZD555	401J9820	R.CARBON 0.0H

\*\*\* CAPACITORS \*\*\*

C101	421C3479	C.CERAMIC 50V 0.1UF
C2003	430B6055	C.ELEC 50V 10UF
C2004	430B6055	C.ELEC 50V 10UF
C2005	421C0225	C.CERAMIC 50V 0.01UF
C4A1	427F4613	C.FILM 50V 0.01UF
C4A2	427F4614	C.FILM 50V 0.012UF
C4A3	421C3479	C.CERAMIC 50V 0.1UF
C4A4	427F4625	C.FILM 50V 0.1UF
C4A5	421C3479	C.CERAMIC 50V 0.1UF
C4A6	421C3479	C.CERAMIC 50V 0.1UF
C4A7	428B3025	C.METAL FILM 50V 1.0UF
C4A8	421C3479	C.CERAMIC 50V 0.1UF
C4A9	421C3479	C.CERAMIC 50V 0.1UF
C4C0	430B9016	C.ELEC 10V 100UF
C4C1	421C3479	C.CERAMIC 50V 0.1UF
C4C2	430C0065	C.ELEC 35V 10UF
C4C3	430C0065	C.ELEC 35V 10UF
C4C4	421C3479	C.CERAMIC 50V 0.1UF
C4C5	430B6068	C.ELEC 50V 47UF
C4C6	421C3479	C.CERAMIC 50V 0.1UF
C4C7	430B8155	C.ELEC 25V 47UF
C4C8	421C3479	C.CERAMIC 50V 0.1UF
C4C9	430B8155	C.ELEC 25V 47UF
C4E0	421C3479	C.CERAMIC 50V 0.1UF
C4E2	421C3479	C.CERAMIC 50V 0.1UF
C4E4	421C3479	C.CERAMIC 50V 0.1UF
C4E5	421C0213	C.CERAMIC 50V 1000PF
C401	430B9030	C.ELEC 16V 220UF
C402	428B3025	C.METAL FILM 50V 1.0UF
C403	430B9054	C.ELEC 35V 100UF
C404	430B9055	C.ELEC 35V 220UF
C405	423A2023	C.CERAMIC 50V 12PF
C406	428B3017	C.METAL FILM 50V 0.22UF
C407	430B9061	C.ELEC 35V 2200UF
C408	428B3023	C.METAL FILM 50V 0.68UF
C410	430B9054	C.ELEC 35V 100UF

SYMBOL	PARTS NO	DESCRIPTION
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C5F1	430B6029	C.ELEC 16V 100UF
C5F2	423A2028	C.CERAMIC 50V 20PF
C5F3	427F4601	C.FILM 50V 1000PF
C5F4	421C0225	C.CERAMIC 50V 0.01UF
C5F5	423A2029	C.CERAMIC 50V 22PF
C5F6	421C6013	C.CERAMIC 50V 0.1UF
C5F7	423A2041	C.CERAMIC 50V 68PF
C5F8	421C3479	C.CERAMIC 50V 0.1UF
C5F9	430C0045	C.ELEC 16V 22UF
C5H0	430B6017	C.ELEC 10V 220UF
C5H1	421C2862	C.CERAMIC 25V 0.01UF
C5H2	430B8165	C.ELEC 35V 47UF
C5H3	421A0425	C.CERAMIC 50V 0.01UF
C5H4	421C3479	C.CERAMIC 50V 0.1UF
C5H5	421C3479	C.CERAMIC 50V 0.1UF
C5H6	430B6068	C.ELEC 50V 47UF
C5H7	421C3479	C.CERAMIC 50V 0.1UF
C5H8	430B6041	C.ELEC 25V 47UF
C5H9	421C3479	C.CERAMIC 50V 0.1UF
C5J1	421C3479	C.CERAMIC 50V 0.1UF
C5J3	421C3479	C.CERAMIC 50V 0.1UF
C5K0	421C3479	C.CERAMIC 50V 0.1UF
CSK1	430C0043	C.ELEC 16V 10UF
C503	430C6344	C.ELEC 35V 100UF
CS04	420C9567	C.CERAMIC 500V 2200PF
CS05	42817011	C.METAL FILM 1.4KV 2700PF
CS06	42817091	C.METAL FILM 1.4KV 2900PF
CS07	42839709	C.METAL 400V 0.38UF
CS08	42839303	C.FILM 400V 0.15UF
CS09	42839307	C.FILM 400V 0.27UF
CS10	428B9042	C.METAL FILM 400V 0.64UF
CS11	420C9569	C.CERAMIC 50V 3300PF
CS12	420C9563	C.CERAMIC 500V 1000PF
CS13	421C2862	C.CERAMIC 25V 0.01UF
C514	421C2862	C.CERAMIC 25V 0.01UF
C515	421C2862	C.CERAMIC 25V 0.01UF
C516	430B6017	C.ELEC 10V 220UF
C517	430B6017	C.ELEC 10V 220UF
C518	423A2039	C.CERAMIC 50V 56PF
C519	430B9053	C.ELEC 35V 47UF

SYMBOL	PARTS NO	DESCRIPTION
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C411	427F4666	C.FILM 50V 0.018UF
C421	428B3023	C.METAL FILM 50V 0.68UF
C422	428B3017	C.METAL FILM 50V 0.22UF
C426	421C3479	C.CERAMIC 50V 0.1UF
C427	421C3479	C.CERAMIC 50V 0.1UF
C428	421C3479	C.CERAMIC 50V 0.1UF
C431	430C0045	C.ELEC 16V 22UF
C432	430C0052	C.ELEC 25V 4.7UF
C5A1	43518712	C.TANTALUM 35V 6.8UF
C5A2	427F4616	C.FILM 50V 0.018UF
C5A3	430C0077	C.ELEC 50V 1.0UF
C5A4	427F4607	C.FILM 50V 3300PF
C5A5	423J9017	C.CERAMIC 50V 270PF
C5A6	423J9017	C.CERAMIC 50V 270PF
C5A7	423A2029	C.CERAMIC 50V 22PF
C5A8	421C3479	C.CERAMIC 50V 0.1UF
C5A9	427F6995	C.FILM 50V 470PF
C5C0	421A0425	C.CERAMIC 50V 0.01UF
C5C3	423A2045	C.CERAMIC 50V 100PF
C5C5	421A0425	C.CERAMIC 50V 0.01UF
C5C7	427F8405	C.FILM 100V 2200PF
C5C8	421C3479	C.CERAMIC 50V 0.1UF
C5D1	421C3479	C.CERAMIC 50V 0.1UF
C5D2	430B6068	C.ELEC 50V 47UF
C5D3	423A2037	C.CERAMIC 50V 47PF
C5D4	427F4604	C.FILM 50V 1800PF
C5D5	427F4601	C.FILM 50V 1000PF
C5D6	430B9038	C.ELEC 25V 10UF
C5D7	427F4601	C.FILM 50V 1000PF
C5D8	421C3479	C.CERAMIC 50V 0.1UF
C5D9	430B6017	C.ELEC 10V 220UF
C5E0	427F4601	C.FILM 50V 1000PF
C5E1	433A4043	C.ELEC 35V 4.7UF
C5E2	430B9061	C.ELEC 50V 1.0UF
C5E3	427F4672	C.FILM 50V 0.056UF
C5E4	423A2103	C.CERAMIC 50V 180PF
C5E6	421C3479	C.CERAMIC 50V 0.1UF
C5E7	427F4609	C.FILM 50V 4700PF
C5E8	421D6013	C.CERAMIC 50V 0.1UF
C5E9	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
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C520	428CJ022	C.METAL FILM 250V 0.1UF
C521	430J8102	C.ELEC 160V 3.3UF
C522	430J8103	C.ELEC 160V 10UF
C523	430B6512	C.ELEC 160V 1.0UF
C524	420C9571	C.CERAMIC 500V 4700PF
C526	4282C121	C.METAL FILM 50V 0.47UF
C527	428B3025	C.METAL FILM 50V 1.0UF
C528	427F8225	C.FILM 50V 1000PF
C529	427F4675	C.FILM 50V 0.1UF
CS30	42807516	C.FILM 1.6KV 4300PF
CS31	42807516	C.FILM 1.6KV 4300PF
CS32	428CJ022	C.METAL FILM 250V 0.1UF
CS33	430B9098	C.ELEC 100V 10 UF
CS35	430J8104	C.ELEC 200V 10UF
C537	428CJ022	C.METAL FILM 250V 0.1UF
C539	4309H060	C.ELEC 250V 3.3UF
C540	430B9532	C.ELEC 200V 1.0UF
C541	430B9537	C.ELEC 200V 22UF
C542	421C3479	C.CERAMIC 50V 0.1UF
C545	423A1045	C.CERAMIC 50V 1000PF
C548	421C3479	C.CERAMIC 50V 0.1UF
C551	430B9033	C.ELEC 16V 1000UF
C553	430B9053	C.ELEC 35V 47UF
C554	430B9042	C.ELEC 25V 100UF
C555	430B9054	C.ELEC 35V 100UF
C556	430C6347	C.ELEC 35V 470UF
C557	430C6316	C.ELEC 10V 1000UF
C558	430B9019	C.ELEC 10V 470UF
C559	430B9041	C.ELEC 25V 47UF
C561	430B9045	C.ELEC 25V 470UF
C562	430B9030	C.ELEC 16V 220UF
C563	421A0425	C.CERAMIC 50V 0.01UF
C564	430B6030	C.ELEC 16V 220UF
C565	421D6013	C.CERAMIC 50V 0.1UF
C570	430B6016	C.ELEC 10V 100UF
C573	430B6046	C.ELEC 25V 1000UF
C591	430B6053	C.ELEC 35V 47UF
C592	430B6533	C.ELEC 200V 2.2UF
C593	428D0417	C.METAL FILM 250V 0.22UF
C701	421D6009	C.CERAMIC 25V 0.1UF

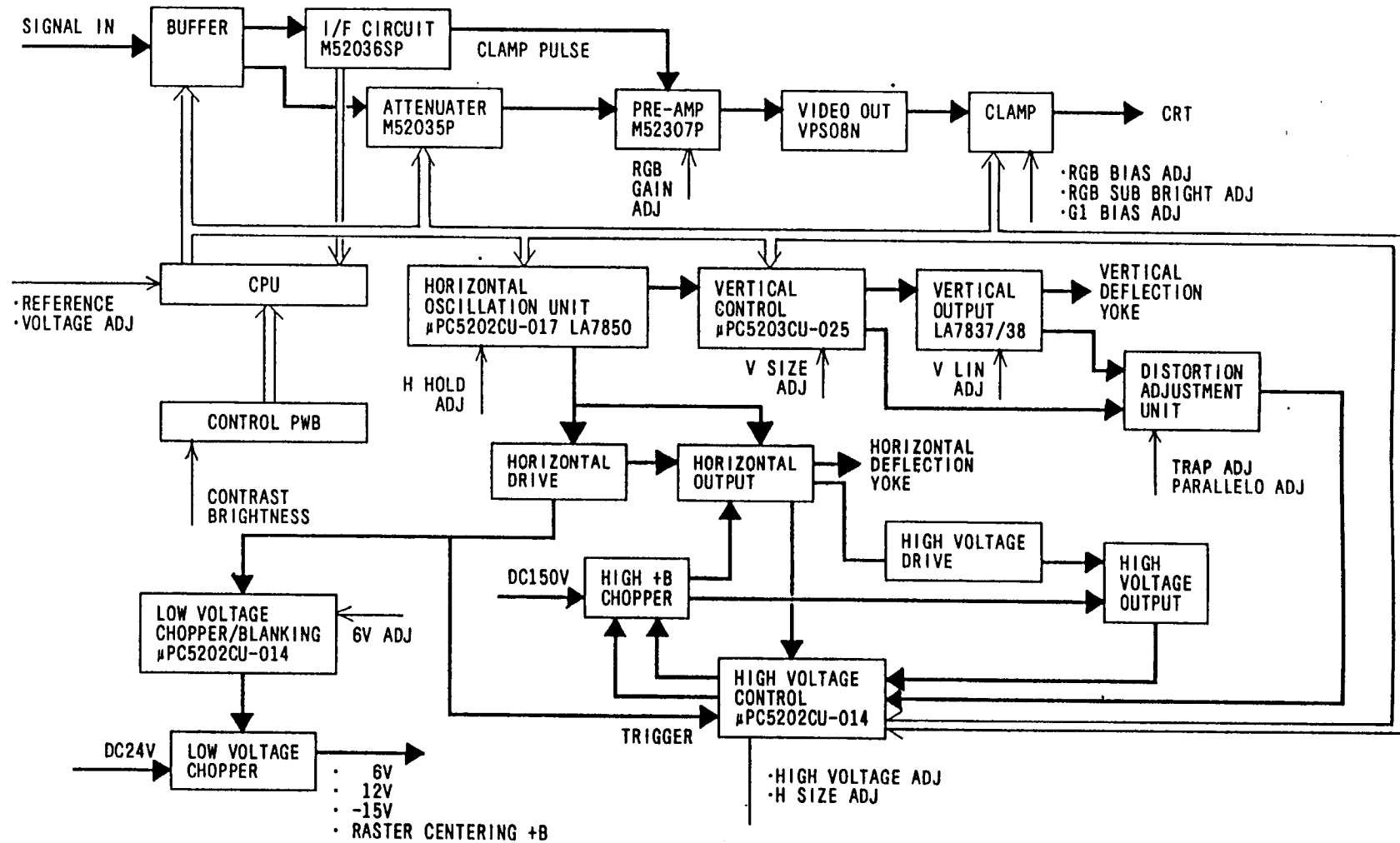
SYMBOL	PARTS NO	DESCRIPTION
C702B	433A4013	C.ELEC 10V 47UF
C702G	433A4013	C.ELEC 10V 47UF
C702R	433A4013	C.ELEC 10V 47UF
C703B	421A0425	C.CERAMIC 50V 0.01UF
C703G	421A0425	C.CERAMIC 50V 0.01UF
C703R	421A0425	C.CERAMIC 50V 0.01UF
C704B	430B8145	C.ELEC 16V 100UF
C704G	430B8145	C.ELEC 16V 100UF
C704R	430B8145	C.ELEC 16V 100UF
C705B	430C0065	C.ELEC 35V 10UF
C705G	430C0065	C.ELEC 35V 10UF
C705R	430C0065	C.ELEC 35V 10UF
C706B	430C0065	C.ELEC 35V 10UF
C706G	430C0065	C.ELEC 35V 10UF
C706R	430C0065	C.ELEC 35V 10UF
C707B	430B6042	C.ELEC 25V 100UF
C707G	430B6042	C.ELEC 25V 100UF
C707R	430B6042	C.ELEC 25V 100UF
C708B	430C0065	C.ELEC 35V 10UF
C708G	430C0065	C.ELEC 35V 10UF
C708R	430C0065	C.ELEC 35V 10UF
C709B	421D6009	C.CERAMIC 25V 0.1UF
C709G	421D6009	C.CERAMIC 25V 0.1UF
C709R	421D6009	C.CERAMIC 25V 0.1UF
C710	421D6009	C.CERAMIC 25V 0.1UF
C712	430B9028	C.ELEC 16V 47UF
C713	421D6009	C.CERAMIC 25V 0.1UF
C720B	433A7013	C.ELEC 16V 47UF
C720G	433A7013	C.ELEC 16V 47UF
C720R	433A7013	C.ELEC 16V 47UF
C721B	421C0213	C.CERAMIC 50V 1000PF
C721G	421C0213	C.CERAMIC 50V 1000PF
C721R	421C0213	C.CERAMIC 50V 1000PF
C724B	430B9028	C.ELEC 16V 47UF
C724G	430B9028	C.ELEC 16V 47UF
C724R	430B9028	C.ELEC 16V 47UF
C725B	421C0225	C.CERAMIC 50V 0.01UF
C725G	421C0225	C.CERAMIC 50V 0.01UF
C725R	421C0225	C.CERAMIC 50V 0.01UF
C726B	421C0225	C.CERAMIC 50V 0.01UF

SYMBOL	PARTS NO	DESCRIPTION
C726G	421C0225	C.CERAMIC 50V 0.01UF
C726R	421C0225	C.CERAMIC 50V 0.01UF
C727	421J9005	C.CERAMIC 25V 0.01UF
C729B	430B9062	C.ELEC 50V 2.2UF
C729G	430B9062	C.ELEC 50V 2.2UF
C729R	430B9062	C.ELEC 50V 2.2UF
C731	421C0225	C.CERAMIC 50V 0.01UF
C732	421C0225	C.CERAMIC 50V 0.01UF
C733	433A7021	C.ELEC 25V 10UF
C750B	421C0225	C.CERAMIC 50V 0.01UF
C750G	421C0225	C.CERAMIC 50V 0.01UF
C750R	421C0225	C.CERAMIC 50V 0.01UF
C751	421C0225	C.CERAMIC 50V 0.01UF
C752	430B9029	C.ELEC 16V 100UF
C760	421D6009	C.CERAMIC 25V 0.1UF
C761	430B9029	C.ELEC 16V 100UF
C762	430B9516	C.ELEC 160V 10UF
C763	420C9569	C.CERAMIC 50V 3300PF
C764B	423A2043	C.CERAMIC 50V 82PF
C764G	423A2043	C.CERAMIC 50V 82PF
C764R	423A2043	C.CERAMIC 50V 82PF
C781B	42840097	C.FILM 250V 0.22UF
C781G	42840097	C.FILM 250V 0.22UF
C781R	42840097	C.FILM 250V 0.22UF
C782B	430B9512	C.ELEC 160V 1.0UF
C782G	430B9512	C.ELEC 160V 1.0UF
C782R	430B9512	C.ELEC 160V 1.0UF
C783B	420C9563	C.CERAMIC 500V 1000PF
C783G	420C9563	C.CERAMIC 500V 1000PF
C783R	420C9563	C.CERAMIC 500V 1000PF
C786	430B9556	C.ELEC 250V 10UF
C787	420C9565	C.CERAMIC 500V 1500PF
C789	427E4163	C.FILM 100V 0.01UF
C792	430B9029	C.ELEC 16V 100UF
C793	430B9032	C.ELEC 16V 470UF
C794B	421C0221	C.CERAMIC 50V 4700PF
C794G	421C0221	C.CERAMIC 50V 4700PF
C8A0	430B9016	C.ELEC 10V 100UF
C8A3	421C3479	C.CERAMIC 50V 0.1UF
C8A4	421C3479	C.CERAMIC 50V 0.1UF

SYMBOL	PARTS NO	DESCRIPTION
C8A5	421C3479	C.CERAMIC 50V 0.1UF
C8A6	421C3479	C.CERAMIC 50V 0.1UF
C8A7	430B8152	C.ELEC 25V 10UF
C8C1	430B6065	C.ELEC 50V 10UF
C8C3	421D6009	C.CERAMIC 25V 0.1UF
C8C4	430B6031	C.ELEC 16V 330UF
C8C5	430B6041	C.ELEC 25V 47UF
C802	433A4023	C.ELEC 16V 22UF
C803	433A4023	C.ELEC 16V 22UF
C804	421D6009	C.CERAMIC 25V 0.1UF
C805	423A2101	C.CERAMIC 50V 120PF
C806	421D6009	C.CERAMIC 25V 0.1UF
C807	430B6042	C.ELEC 25V 100UF
C808	427F4601	C.FILM 50V 1000PF
C809	427F4601	C.FILM 50V 1000PF
C810	427F4609	C.FILM 50V 4700PF
C811	433A4056	C.ELEC 50V 2.2UF
C812	430B6062	C.ELEC 50V 2.2UF
C813	430A4104	C.ELEC 50V 0.68UF
C814	433A4058	C.ELEC 50V 4.7UF
C815	430B6065	C.ELEC 50V 10UF
C816	430B6064	C.ELEC 50V 4.7UF
C817	430B6064	C.ELEC 50V 4.7UF
C818	430B6061	C.ELEC 50V 1.0UF
C819	423A2104	C.CERAMIC 50V 220PF
C840	421C3479	C.CERAMIC 50V 0.1UF
C841	421C3479	C.CERAMIC 50V 0.1UF
C842	421C3479	C.CERAMIC 50V 0.1UF
C855	430B6065	C.ELEC 50V 10UF
C856	423A2015	C.CERAMIC 50V 10PF
C857	423F0013	C.CERAMIC 50V 10PF
C874A	430B8145	C.ELEC 16V 100UF
C874B	421C3479	C.CERAMIC 50V 0.1UF
C880	421C3479	C.CERAMIC 50V 0.1UF
C887	421C3479	C.CERAMIC 50V 0.1UF
C888	421C3479	C.CERAMIC 50V 0.1UF
C889	421C3479	C.CERAMIC 50V 0.1UF
C890	421C3479	C.CERAMIC 50V 0.1UF
C892	421C3479	C.CERAMIC 50V 0.1UF
C893	421C3479	C.CERAMIC 50V 0.1UF

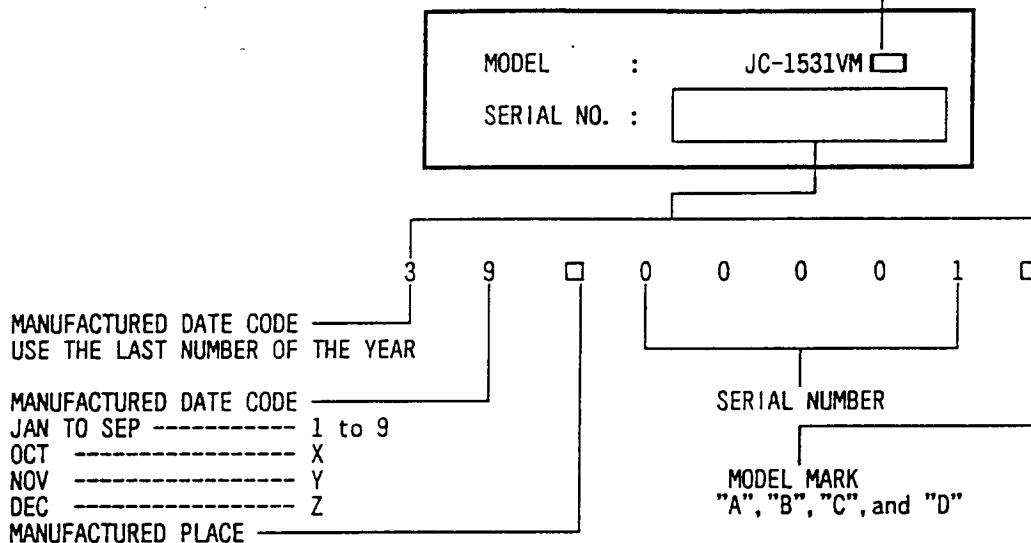
SYMBOL	PARTS NO	DESCRIPTION
C899	430B6041	C.ELEC 25V 47UF
C901	420C9551	C.CERAMIC 500V 100PF
C902	420C9563	C.CERAMIC 500V 1000PF
C903	420D108	C.CERAMIC 2KV 10000PF

# BLOCK DIAGRAM



## SERIAL NUMBER INFORMATION

Refer to the serial number information SERIAL LABEL NUMBER VERSION "A-2", "B-2", "B(EE)-2", and "R-2"



For Service Manuals  
**MAURITRON SERVICES**  
 8 Cherry Tree Road, Chinnor  
 Oxfordshire, OX9 4QY.  
 Tel (01844) 351694  
 Fax (01844) 352554  
 email:- mauritron@dial.pipex.com

- "A" ---- JC-1531VMA-2(N)/B-2(N)/B(EE)-2(N)/R-2(N)  
 model applying CRT made by NEC
- "B" ---- JC-1531VMA-2(H)/B-2(H)/B(EE)-2(H)/R-2(H)  
 model applying CRT made by HITACHI
- "C" ---- JC-1531VMA-2(NT)/B-2(NT)/B(EE)-2(NT)  
 model applying DEFLECTION YOKE made by TOTOKU
- "D" ---- JC-1531VMA-2(T)/B-2(T)/B(EE)-2(T)  
 model applying CRT made by TOSHIBA

J C - 1 5 3 1 V M A - 2 o n l y

## WARNING

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. ALSO DO NOT USE THIS UNIT'S POLARIZED PLUG WITH AN EXTENSION CORD RECEPTACLE OR OTHER OUTLETS, UNLESS THE PRONGS CAN BE FULLY INSERTED. REFRAIN FROM OPENING THE CABINET AS THERE ARE HIGH-VOLTAGE COMPONENTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**CAUTION**  
 RISK OF ELECTRIC SHOCK  
 DO NOT OPEN

**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol warns the user that un-insulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any part inside of this unit.

This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included.

Therefore, it should be read carefully in order to avoid any problems.

**IC401**  
\*5  
N/NT/H  
T  
IC401 LA7837 LA7838

**IC4A4**  
LPD4066BC

**IC4A6**  
HC123

**P.W. 3558**  
DIST. ADJ. UNIT

**S.W. TOOTH WAVE GENERATION CIRCUIT**

**PARABOLA GAIN CONTROL**

**T551**  
W367C

**Q554**  
2S8772

**Q552**  
2SK703

**Q551**  
2SC1740S

**Q553**  
2SC1551

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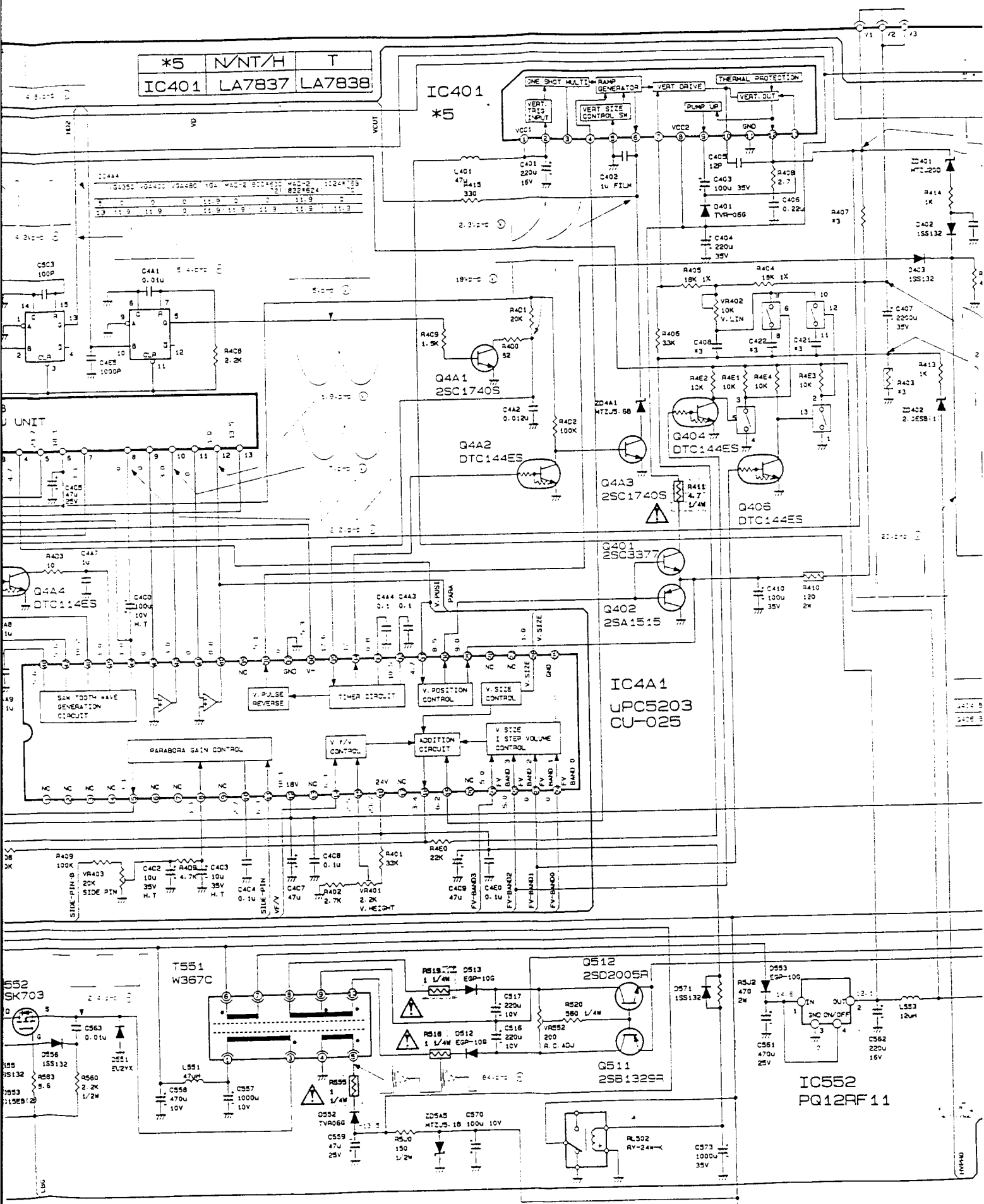
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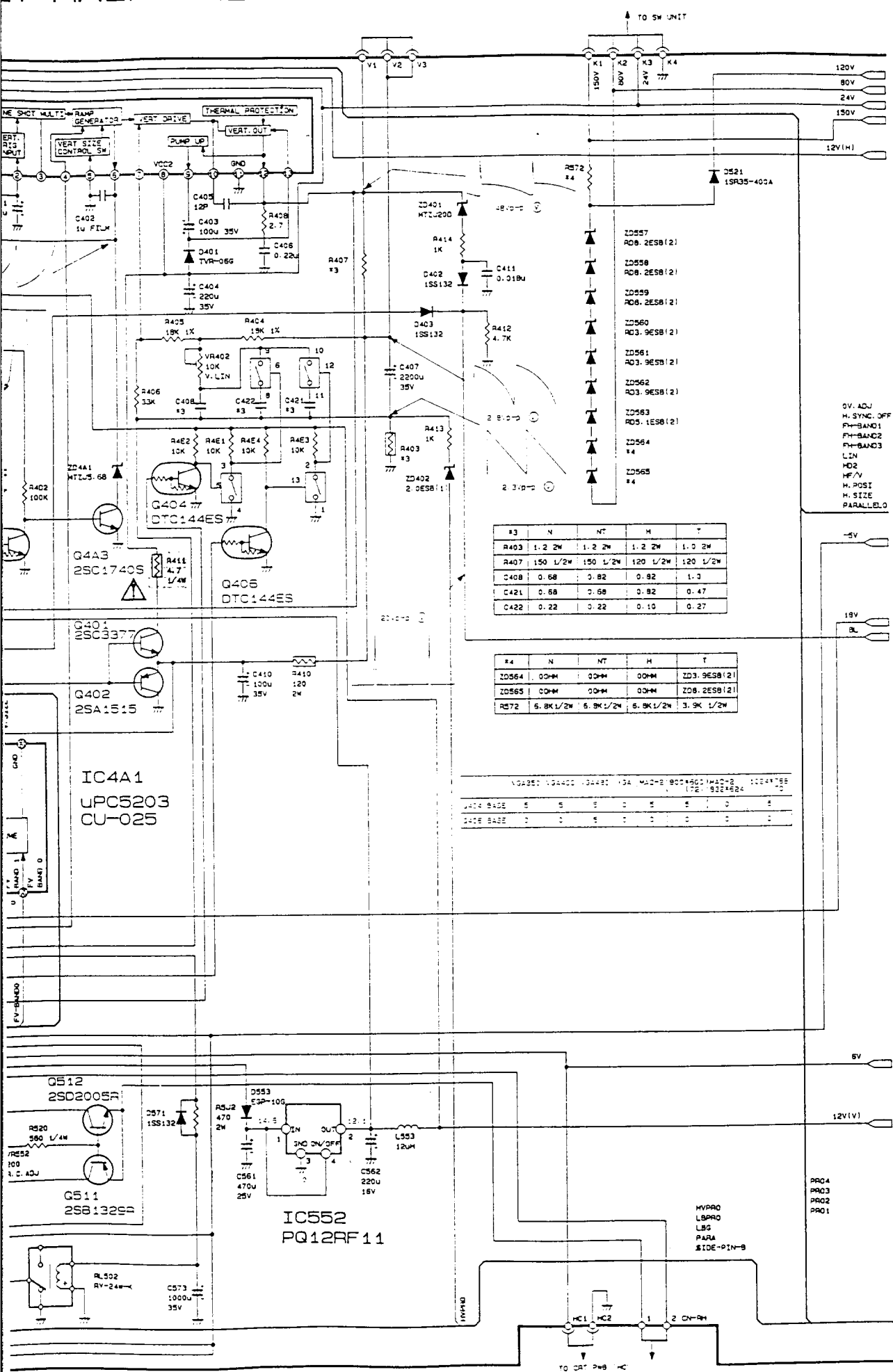
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**Q712**

*5	N/NT/H	T
IC401	LA7837	LA7838



E) MAIN PWB SCHEMATIC DIAGRAM (2/4)

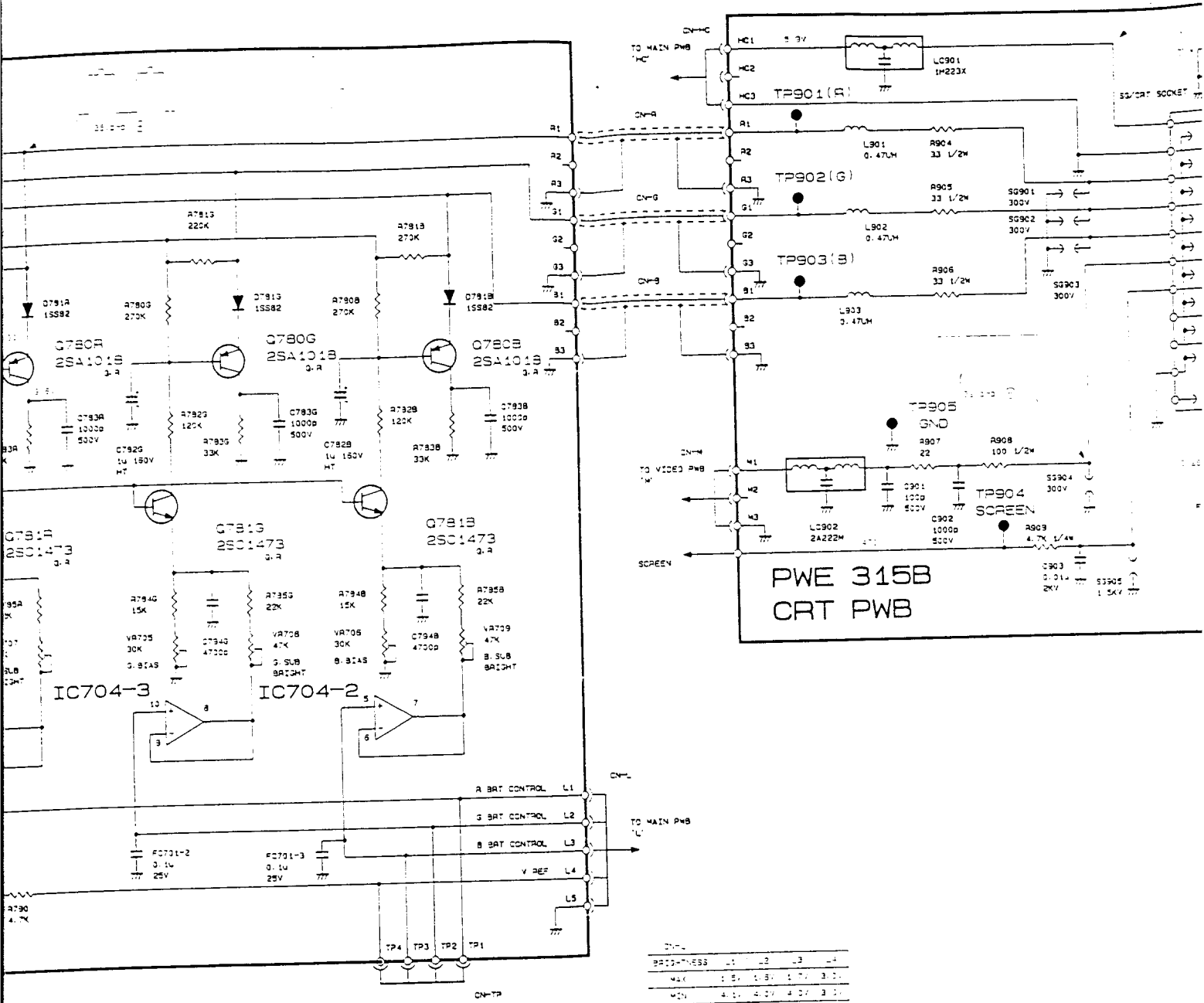


VIDEO CRT PWB SC

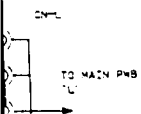
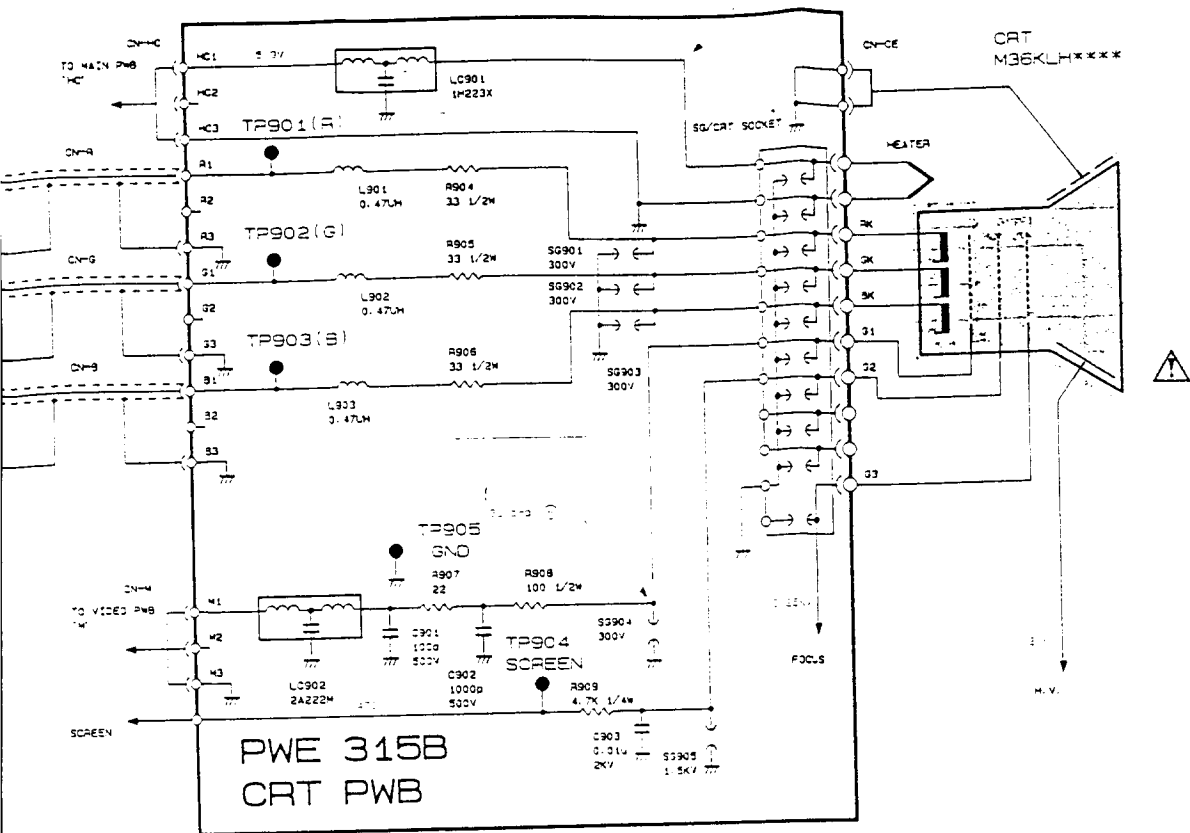


2/B-2/R-2/B-2(EE)

# VIDEO CRT PWB SCHEMATIC DIAGRAM(3/3)

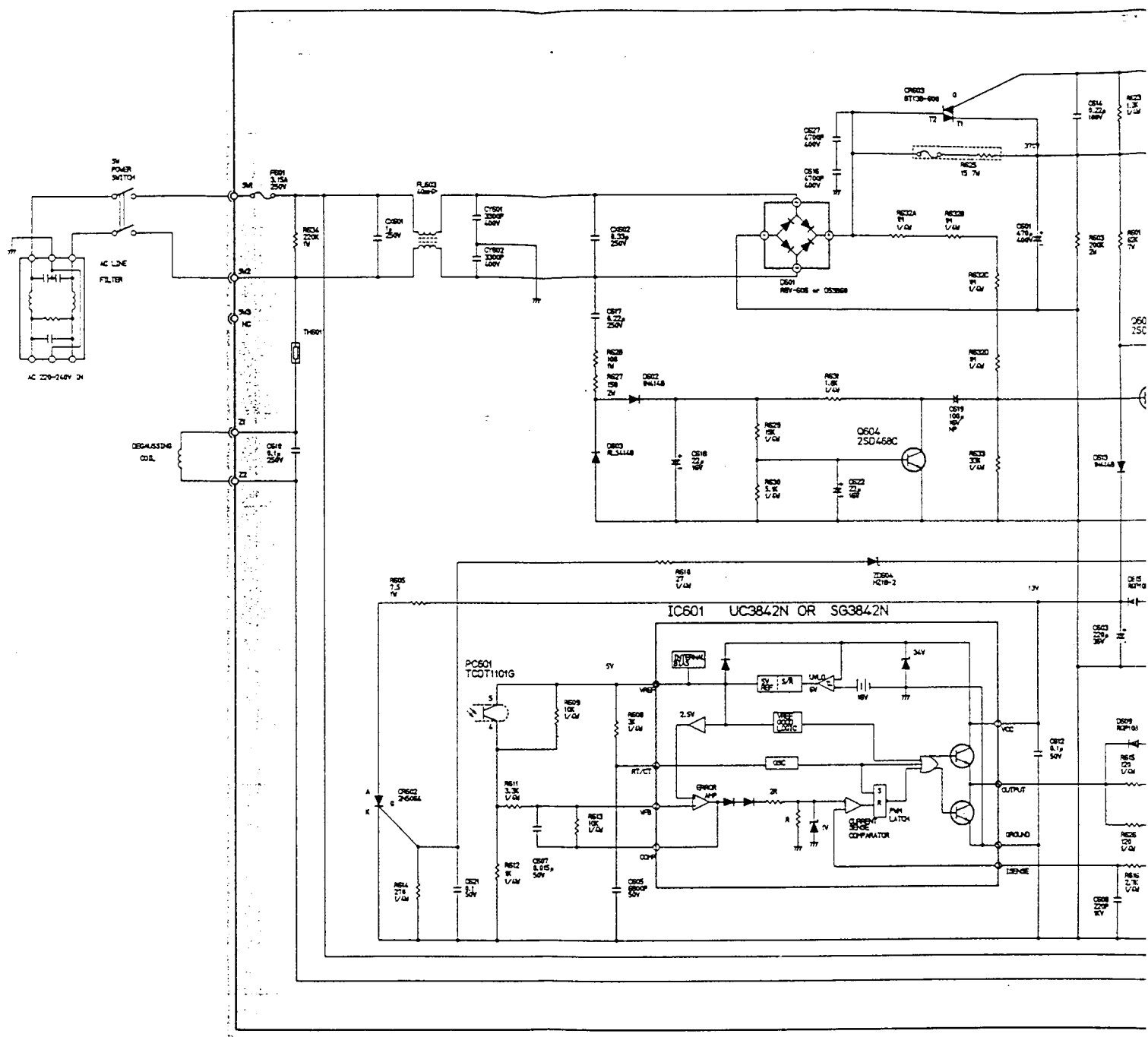


# CHEMATIC DIAGRAM(3/3)

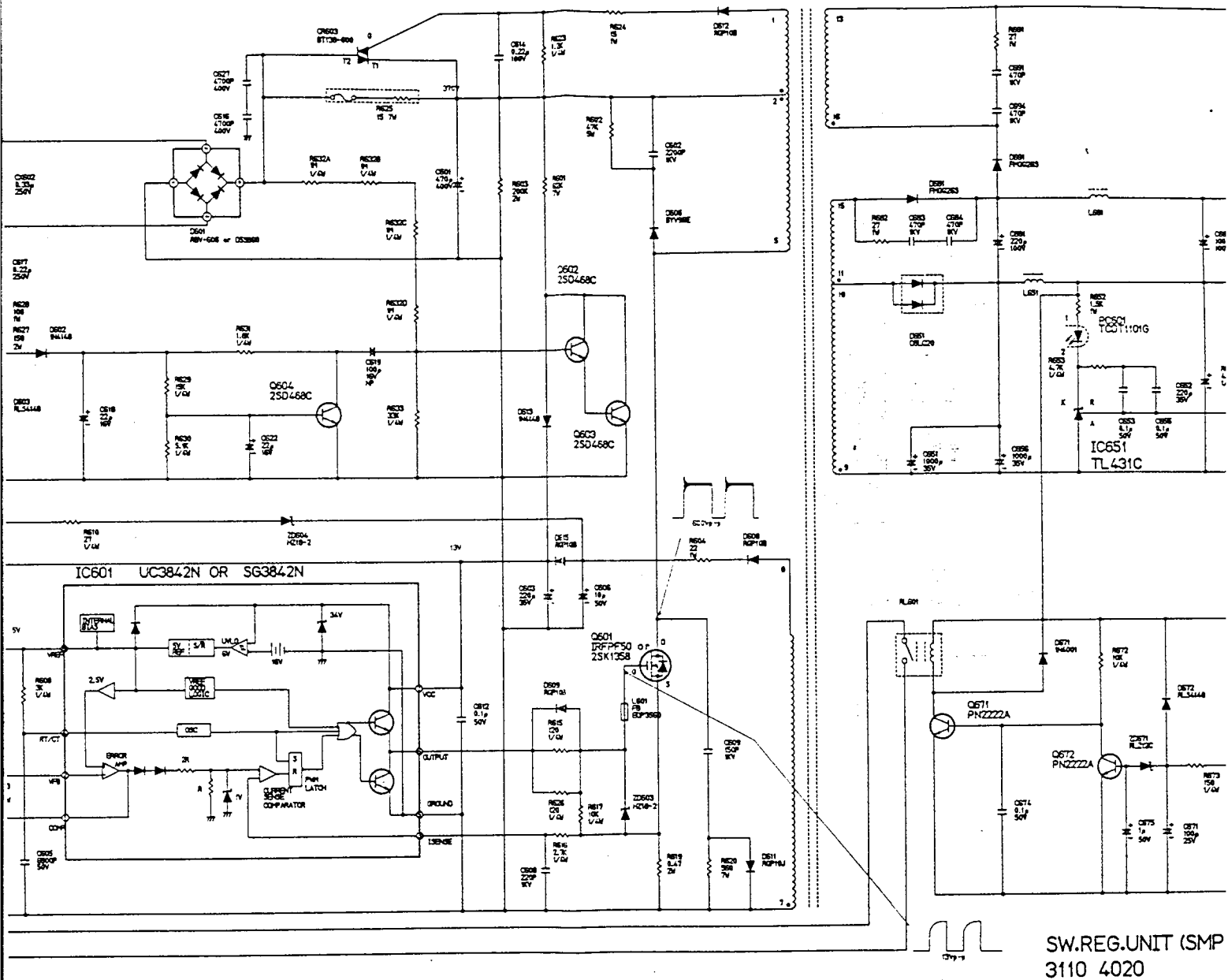


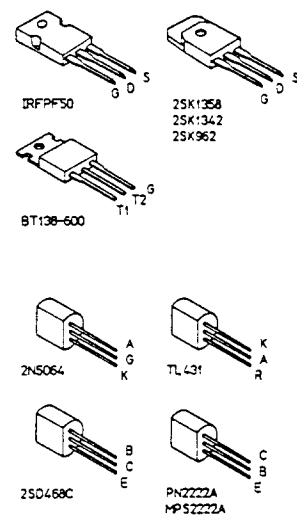
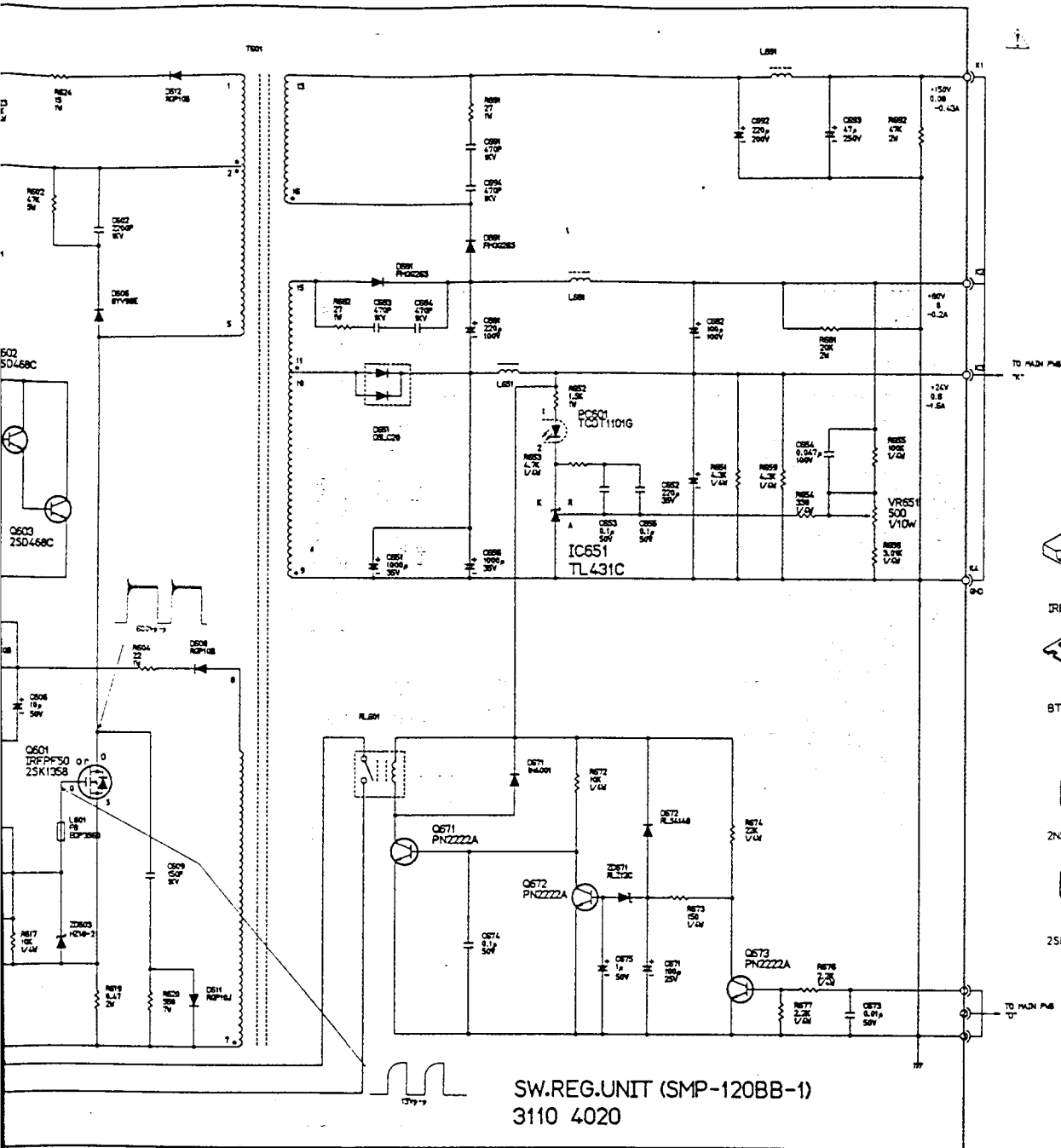
COMPONENT	U1	U2	U3	U4
W1	1.5	1.5	1.5	3.0
W2	4.0	4.0	4.0	3.0

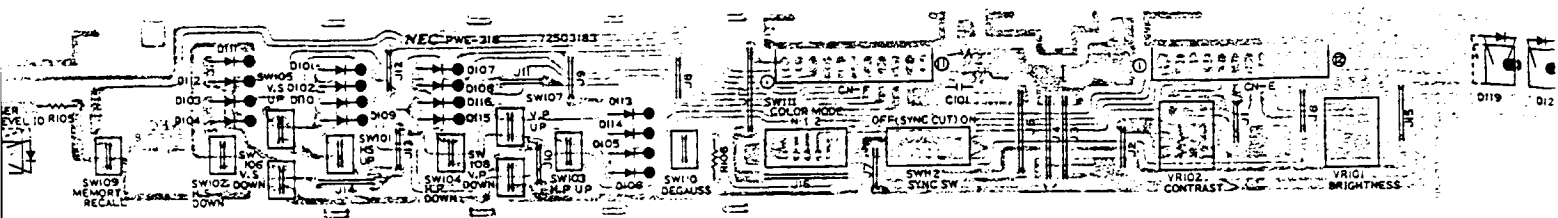
MODEL JC-1531VMB-2/R-2/B(EF)-2 (SW REG PWB)  
SCHEMATIC DIAGRAM



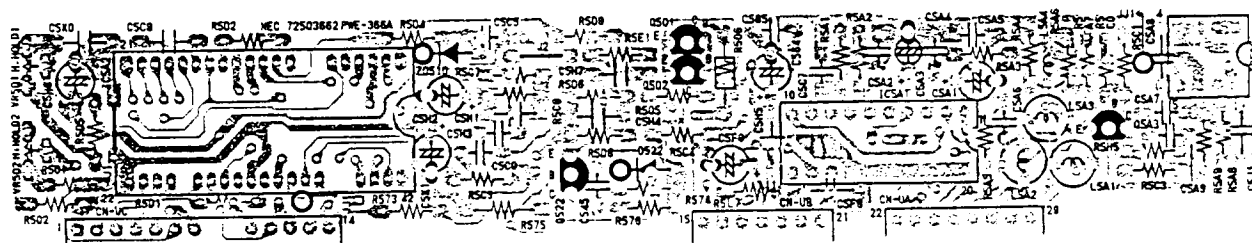
WB)



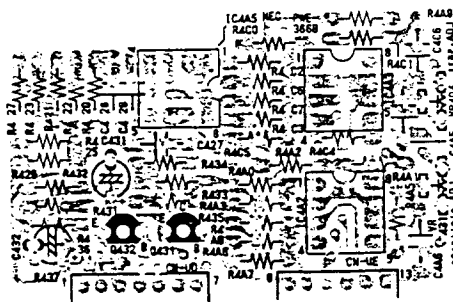




CONTROL PWB ASSY (PWE-318)  
—Component Side—

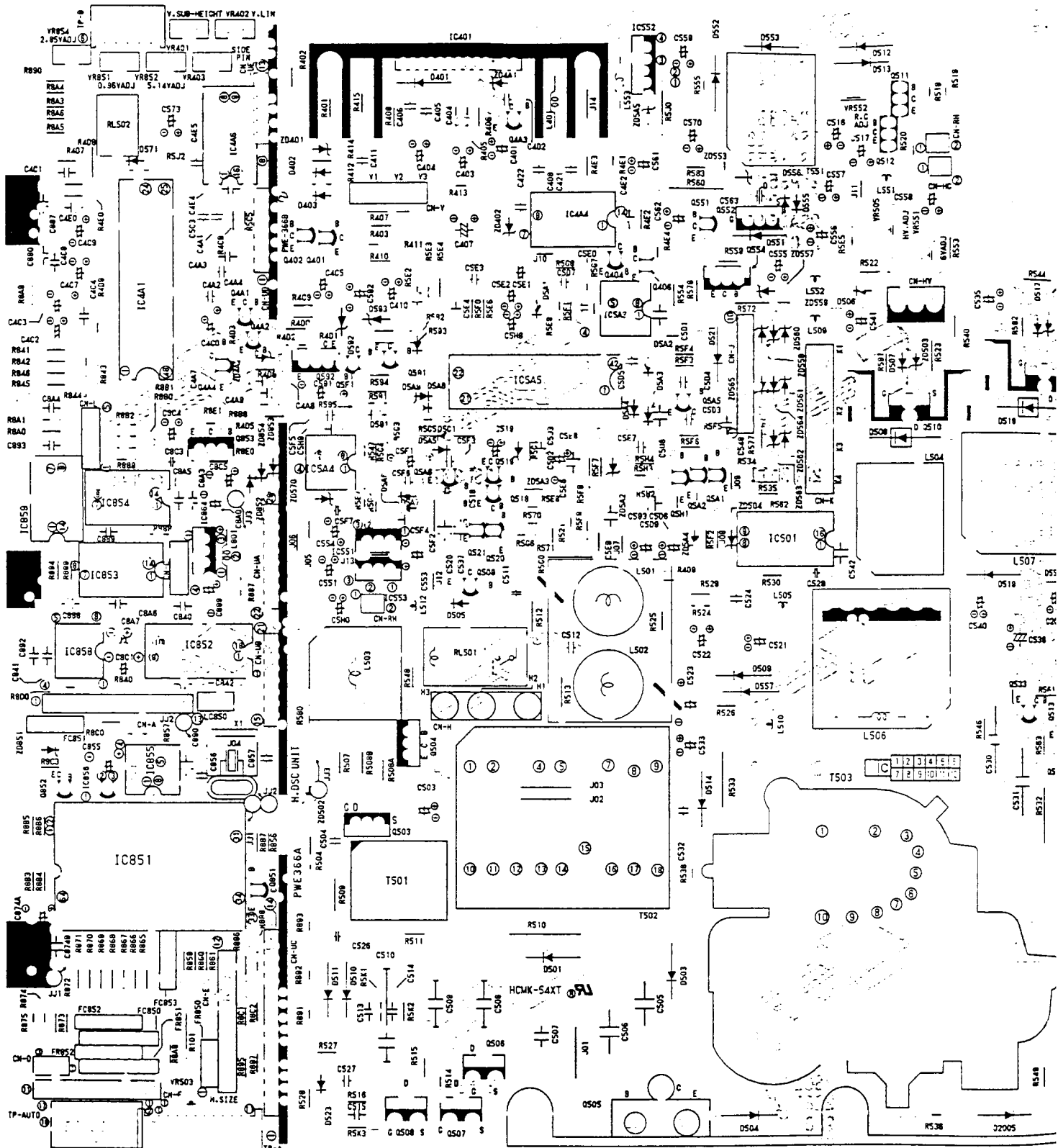


UNIT PWB ASSY (H OSC UNIT) (PWE-366A)  
—Component Side—



UNIT PWB ASSY (DISTORTION UNIT) (PWE-366B)  
—Component Side—

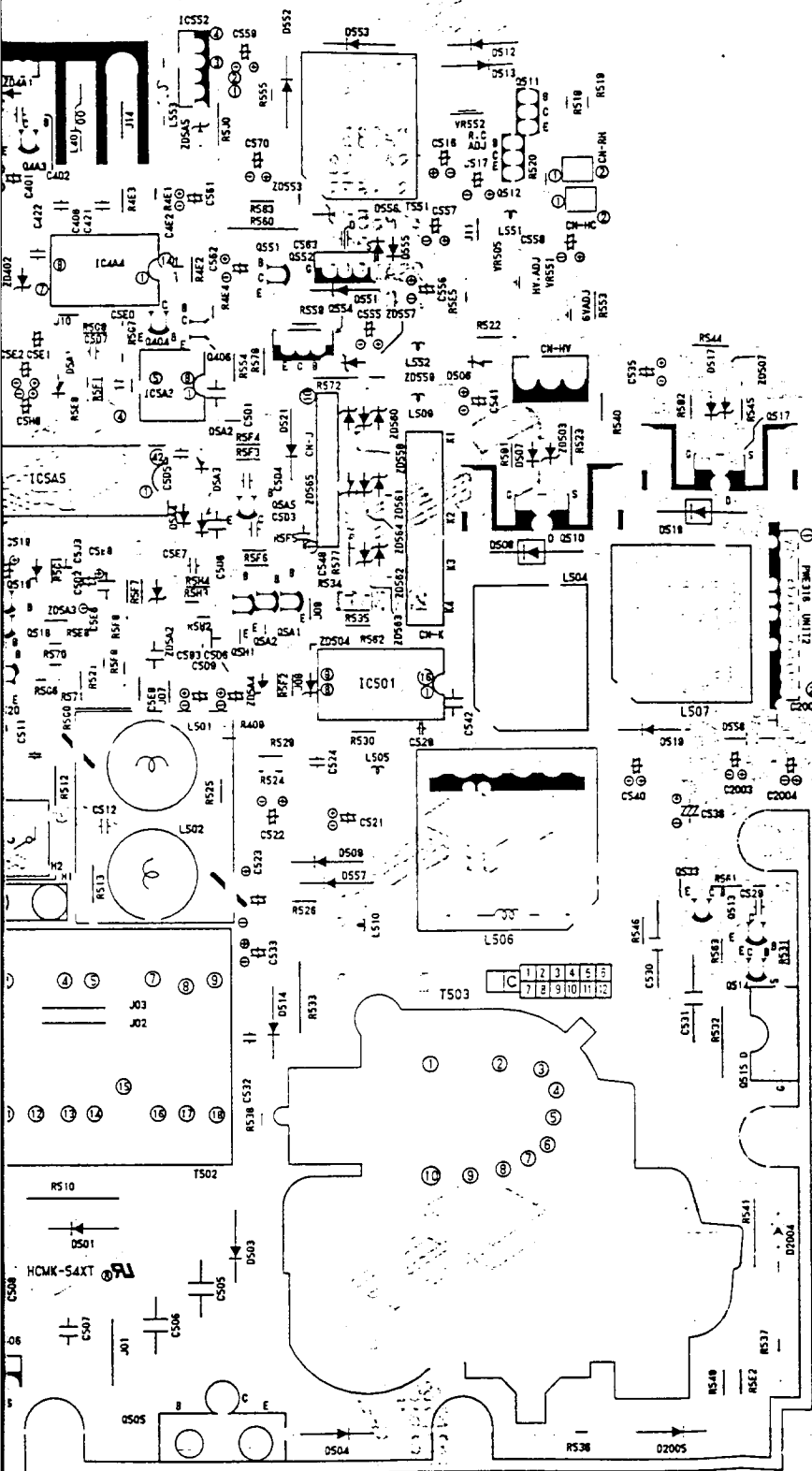
# PRINTED WIRING BOARDS



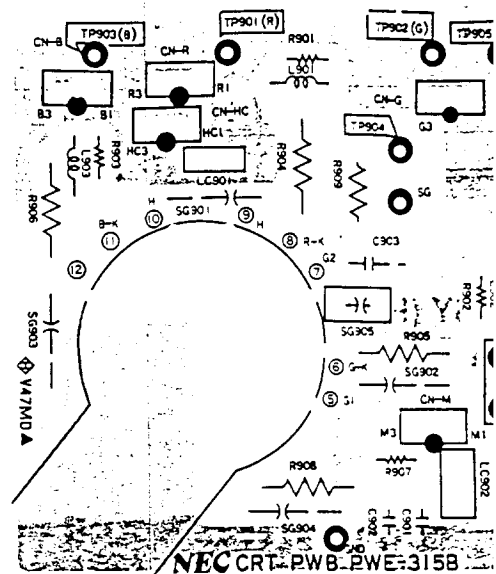
DEF PWB ASSY (PWE-365)

—Solder Side—

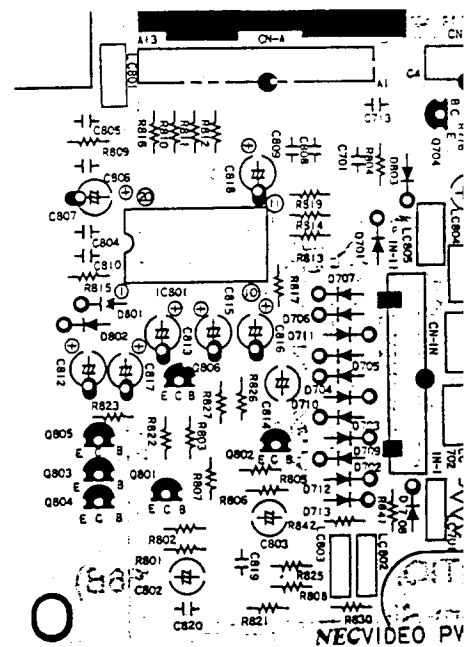
RDS



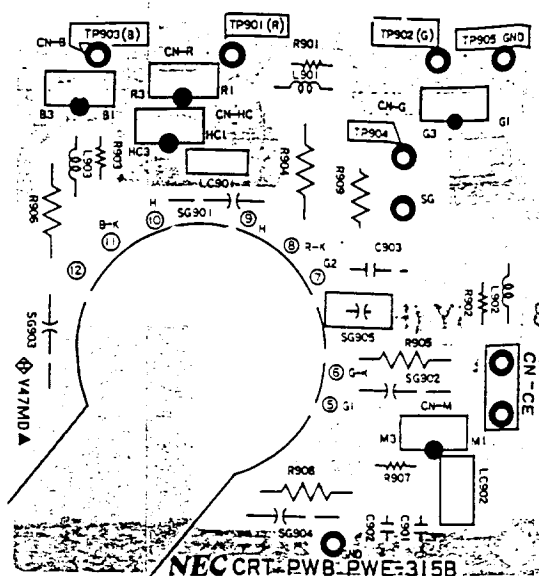
WB ASSY (PWE-365)  
—Solder Side—



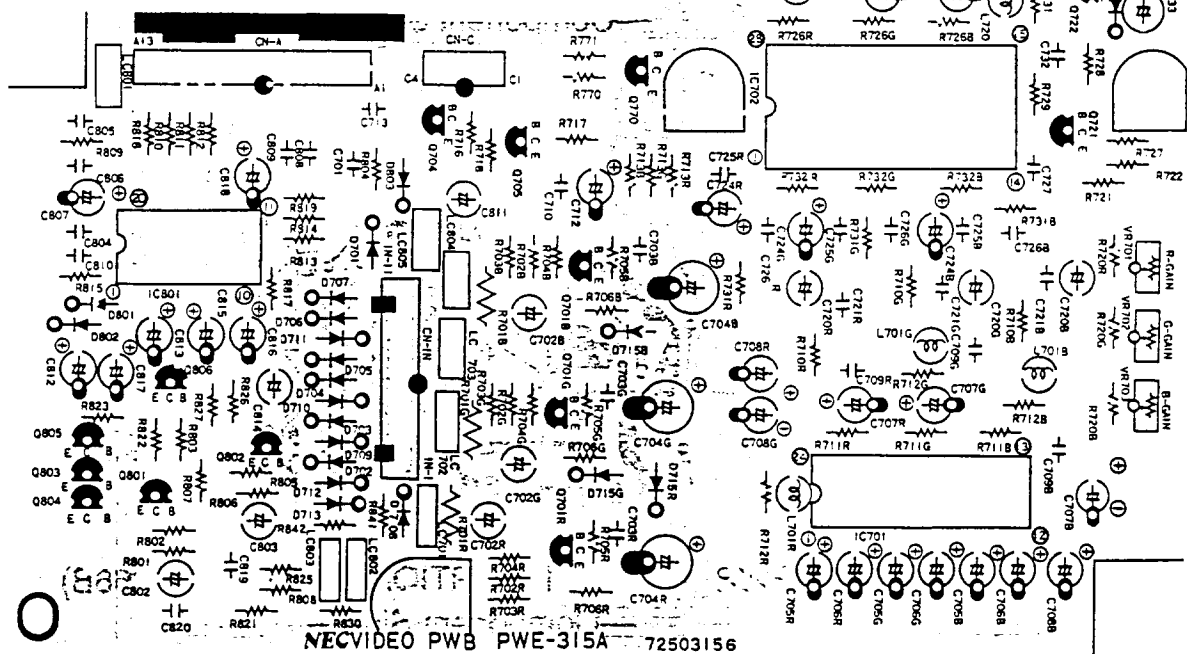
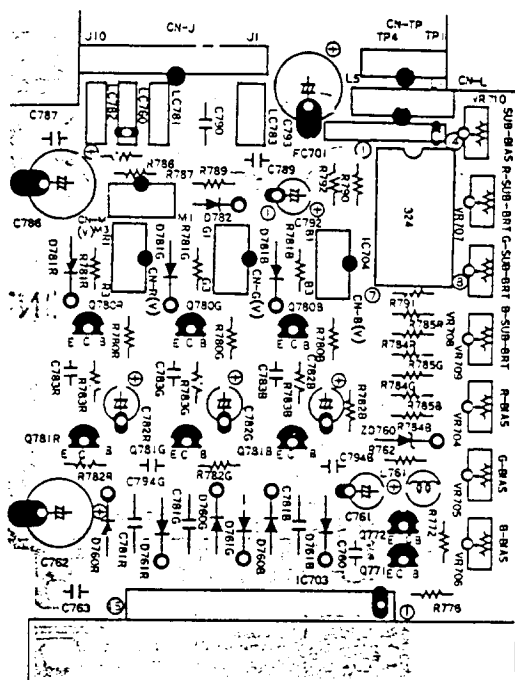
CRT PWB ASSY (PWE-315B)  
—Component Side—



VIDEO PWB ASSY (PWE-315B)  
—Component Side—

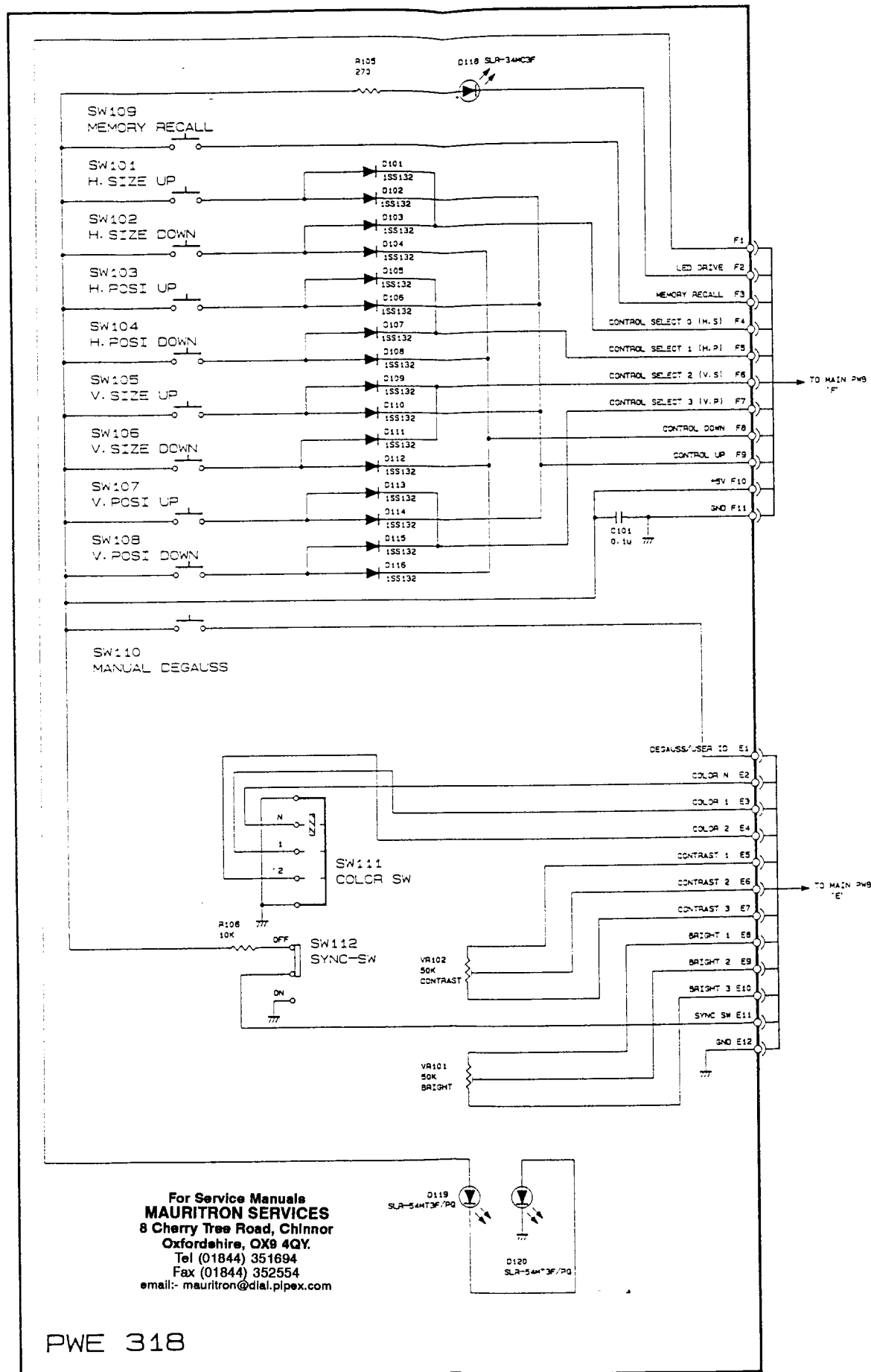


CRT PWB ASSY (PWE-315B)  
—Component Side—



VIDEO PWB ASSY (PWE-315A)  
—Component Side—

# MODEL JC-1531VMA-2/B-2/R-2/B-2(EE) MAIN



For Service Manuals  
**MAURITRON SERVICES**  
 8 Cherry Tree Road, Chinnor  
 Oxfordshire, OX9 4QY.  
 Tel (01844) 351694  
 Fax (01844) 352554  
 email:- mauritron@dial.pipex.com

# N PWB SCHEMATIC DIAGRAM(4/4)

## NOTES

1. RESISTOR VALUES ARE IN  $\Omega$  (OHM). K=1,000  $\Omega$  M=1,000,000  $\Omega$
2. ALL RESISTORS ARE 1/8WATT EXCEPT WHERE OTHERWISE INDICATED.
3. CAPACITOR VALUES ARE IN  $\mu$ F UNLESS OTHERWISE INDICATED. P=PF
4. ALL CAPACITORS ARE 50VOLTS EXCEPT WHERE OTHERWISE INDICATED.
5. VOLTS AND WAVEFORMS ARE MEASURED UNDER THE INVERTED "H" CHARACTER SIGNALS. THE CONTRAST CONTROL IS MAXIMUM. THE BRIGHTNESS CONTROL IS MINIMUM AND ALL OTHER CONTROLS ARE NORMAL OPERATION.
6.  $\oplus$  : HORIZONTAL RATE  $\otimes$  : VERTICAL RATE
7. VOLTAGES AND WAVEFORMS ARE MESURD UNDER THE FOLLOWING SYNC. EXCEPT WHERE OTHERWISE INDICATED.

SELF TEST MODE	:	HORIZONTAL	RATE=30.3KHz
		VERTICAL	RATE=70Hz
		HORIZONTAL SYNC.	POSITIVE
		VERTICAL SYNC.	POSITIVE
8. N -- THE PARTS FOR NEC TYPE1 CRT  
NT -- THE PARTS FOR NEC TYPE2 CRT  
H -- THE PARTS FOR HITACHI CRT  
T -- THE PARTS FOR TOSHIBA CRT

## WARNING

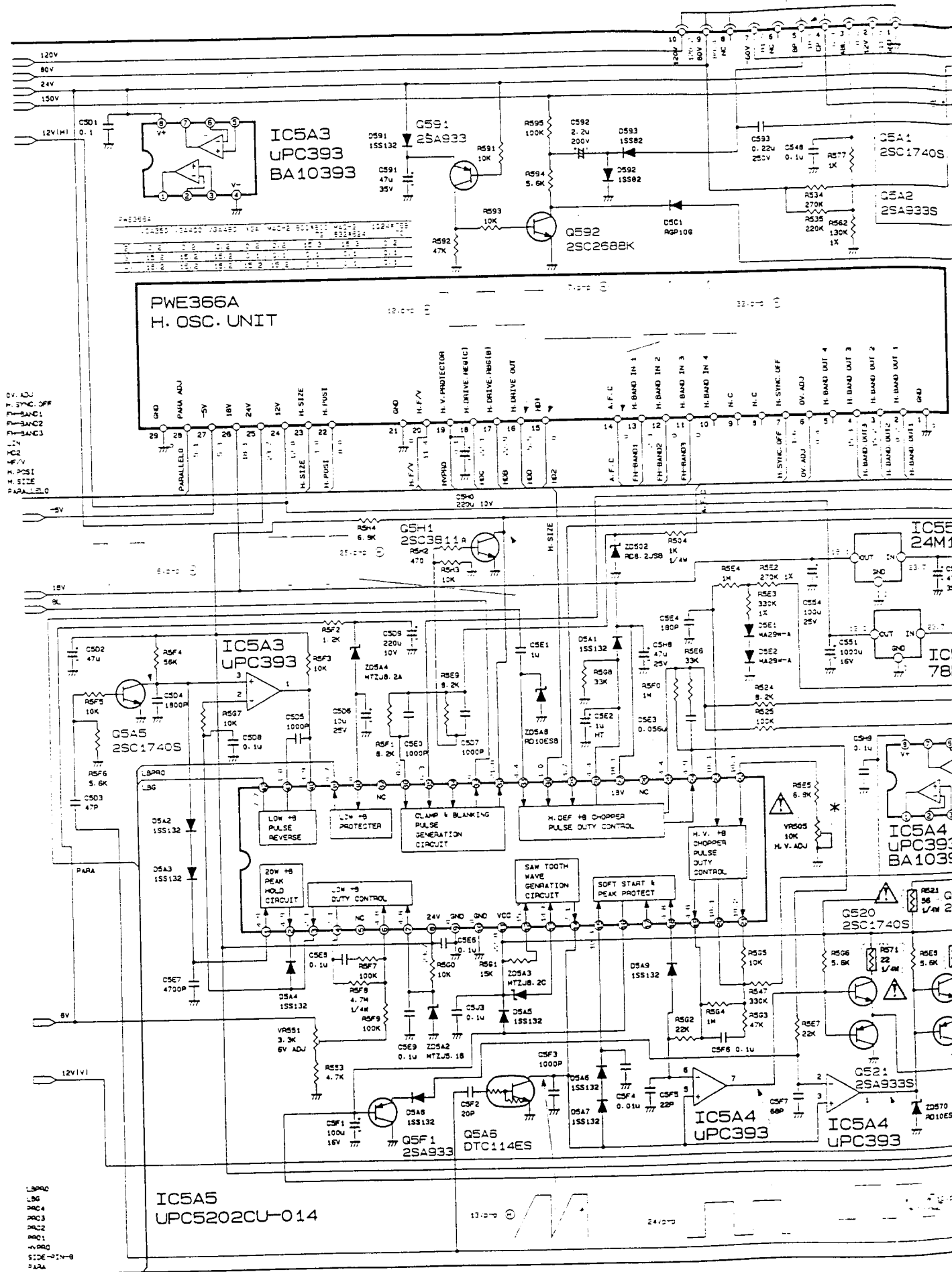
REPLACEMENT PARTS WHICH HAVE SPECIAL SAFETY CHARACTERISTICS ARE IDENTIFIED BY  $\Delta$  SHADING ON THE SCHEMATICS. REPLACE THESE CRITICAL COMPONENTS WITH RECOMMENDED REPLACEMENT PARTS.

DON'T DEGRADE THE SAFETY OF THE SET THROUGH IMPROPER SERVICING.

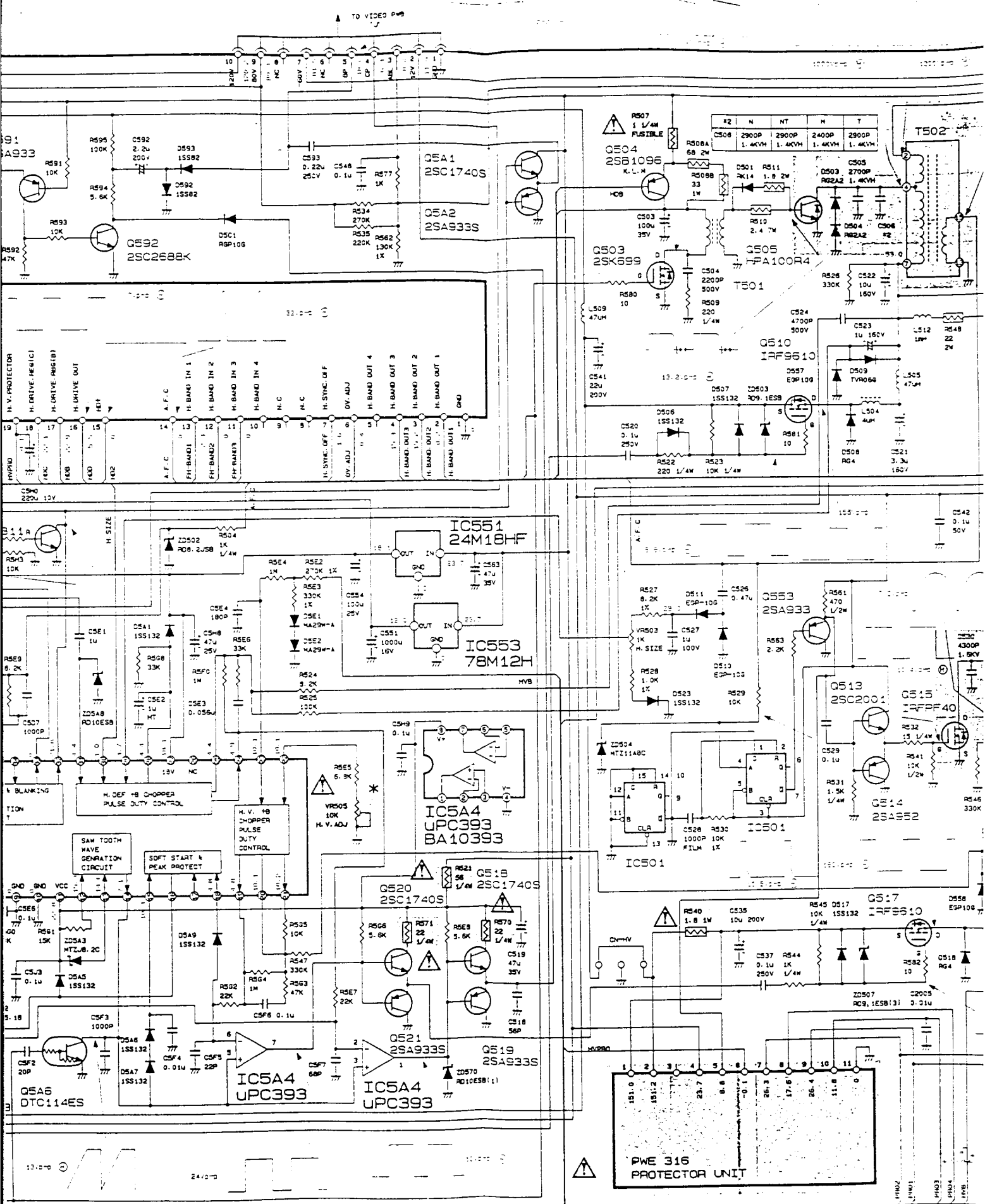
CONTROL (S) MARKED \* IS PERMANENTLY FROZEN.  
DO NOT ATTEMPT TO DEFEAT OR IMPROPERLY REPLACE.

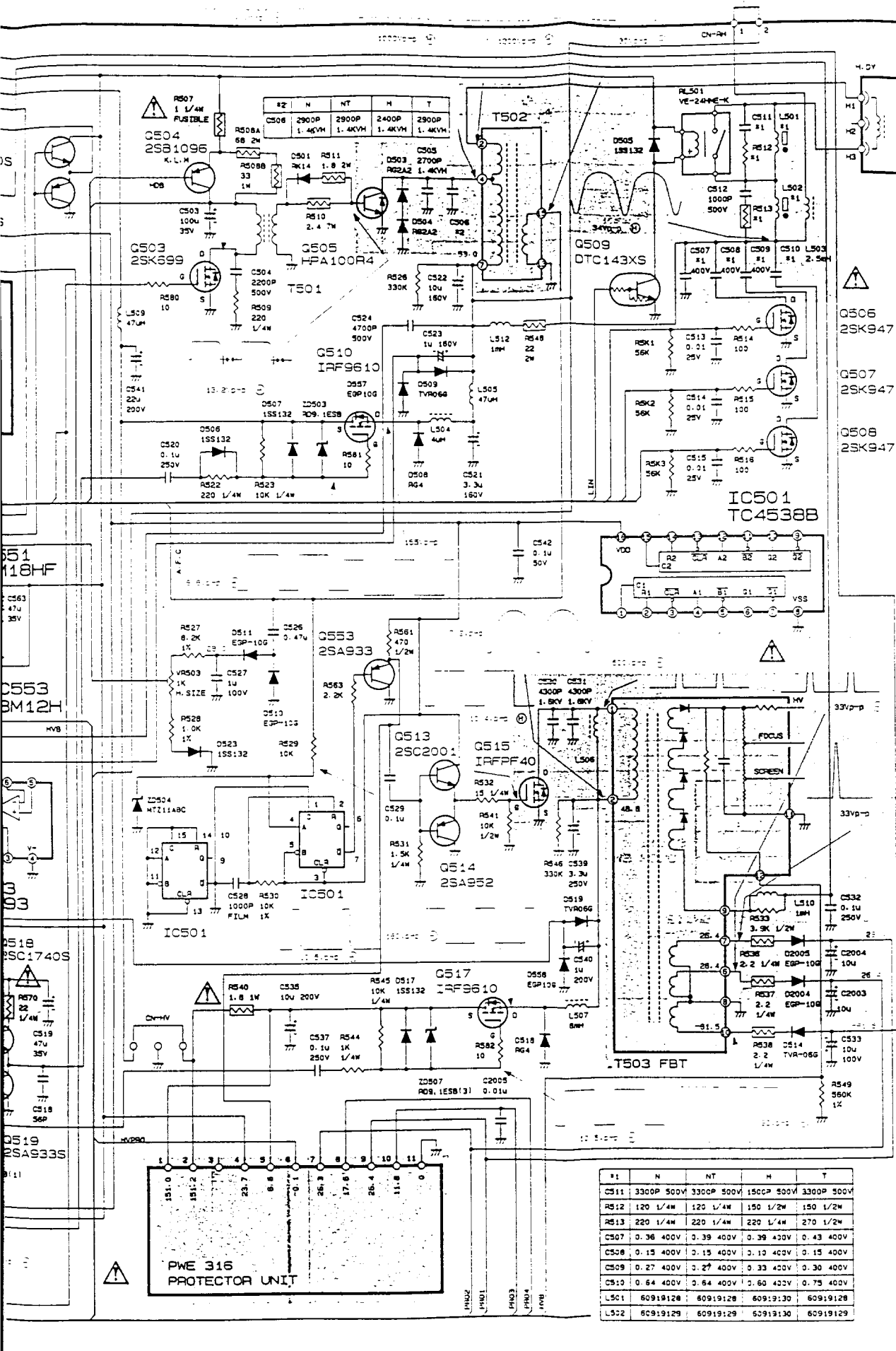
# MODEL JC-1531VMA-2/B-2/R-2/B-2(EE)

TO VIDEO PWS



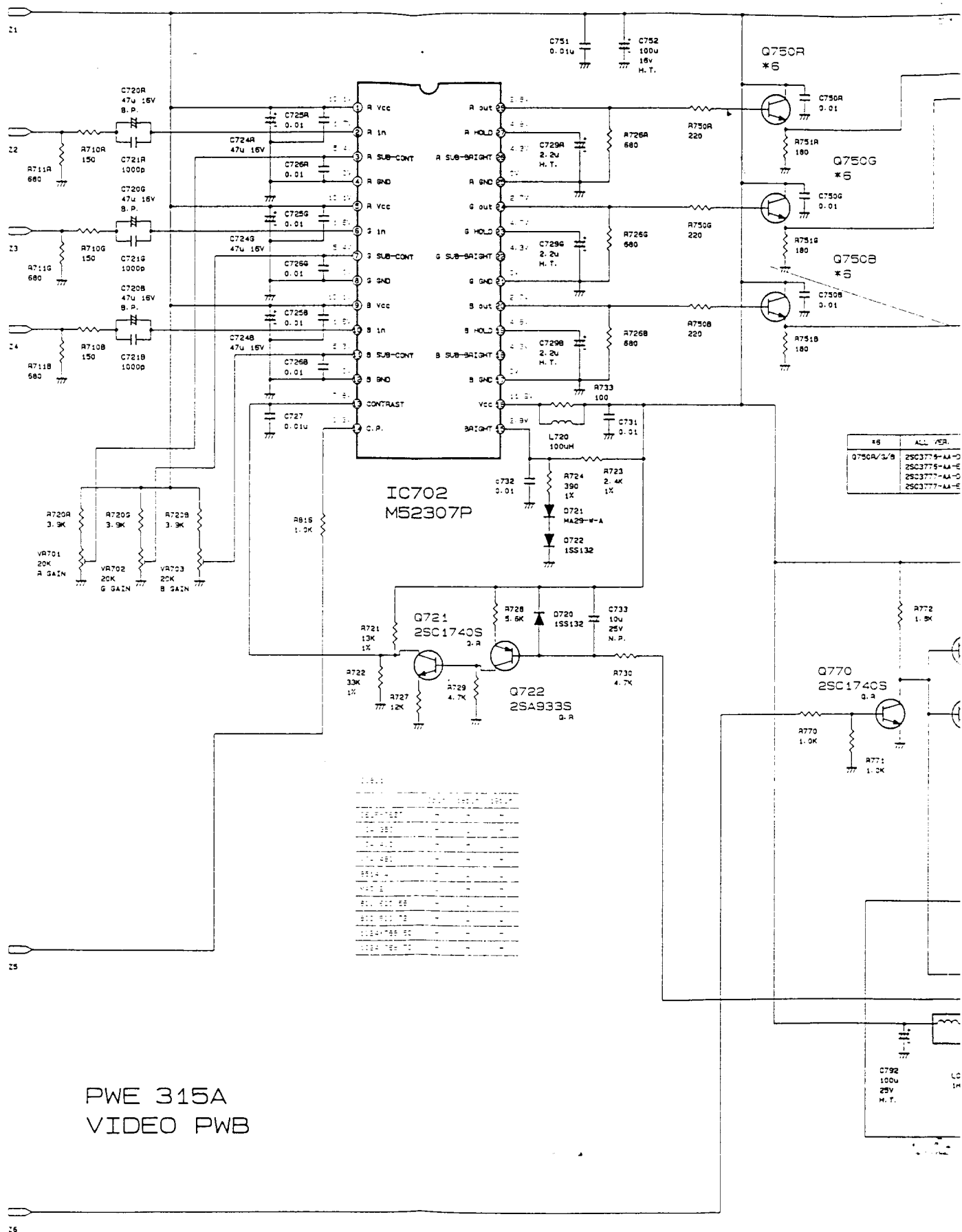
# VMA-2/B-2/R-2/B-2 (EE) MAIN PWB SCHEMATIC DI





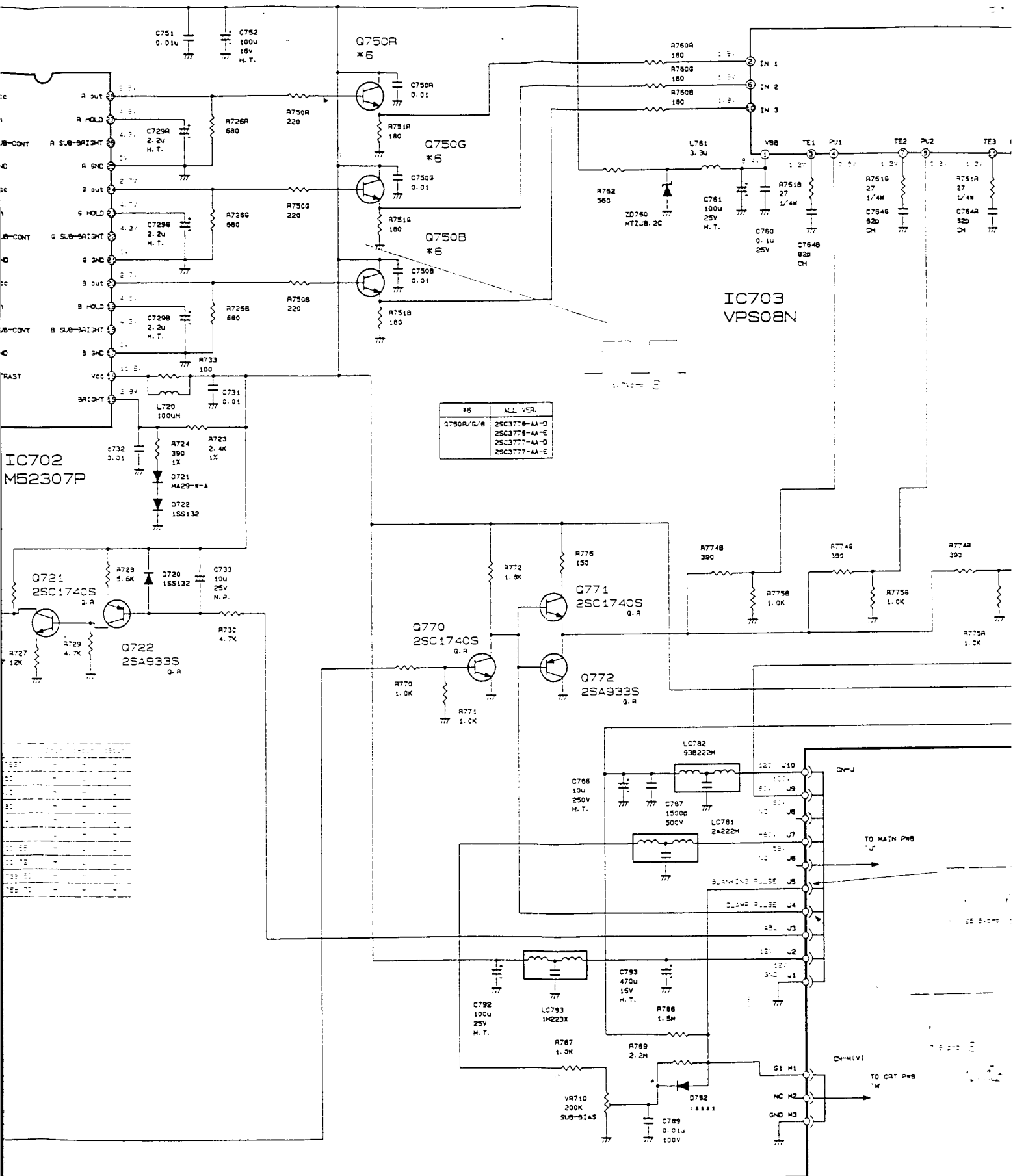
MODEL JC-1531VMA-2/B-2/R-2/B-2 (EE)

VIDEO CRT PWB S



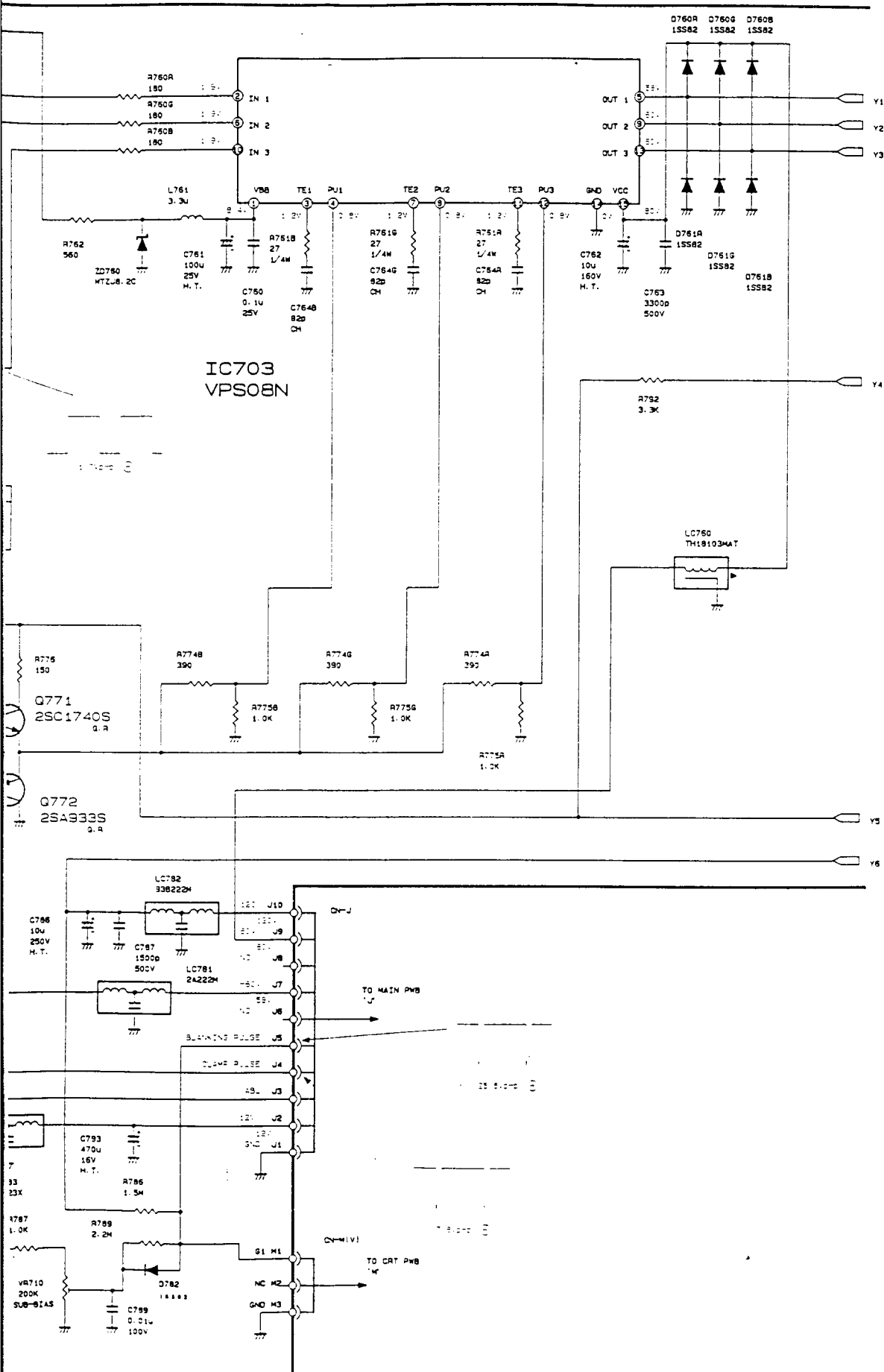
MA-2/B-2/R-2/B-2(EE)

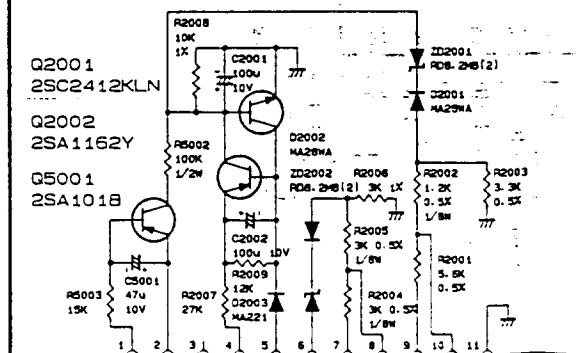
# VIDEO CRT PWB SCHEMATIC DIAGRAM(2/3)



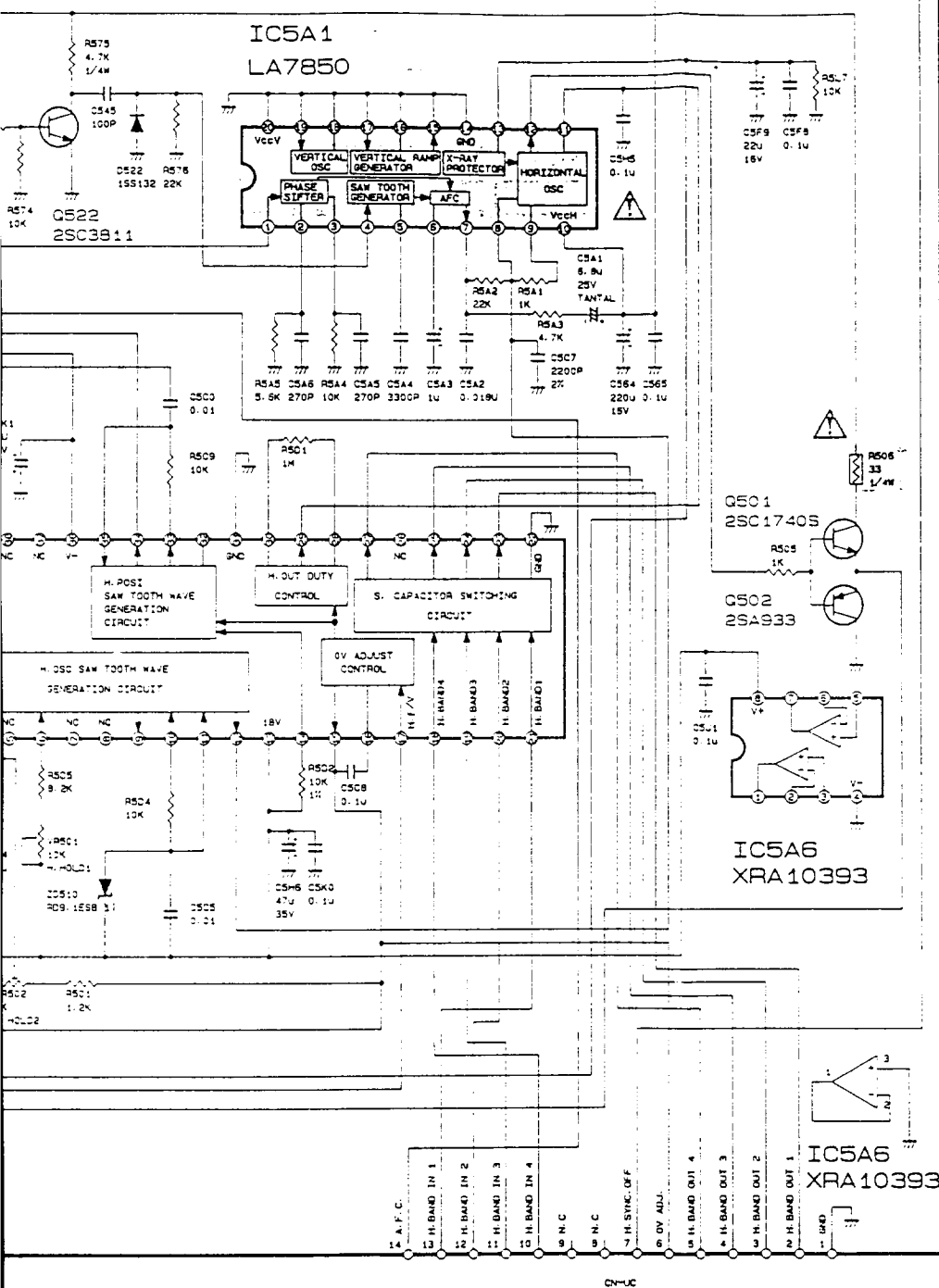
# SCHEMATIC DIAGRAM(2/3)

RUN NO. 1

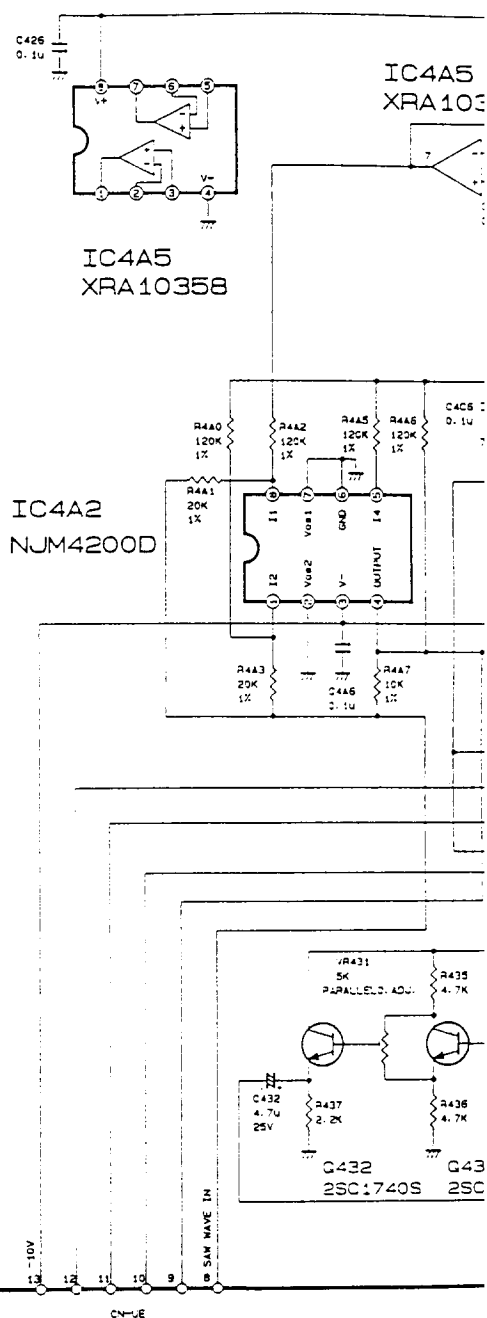




## PWE-366A H. OSC UNIT



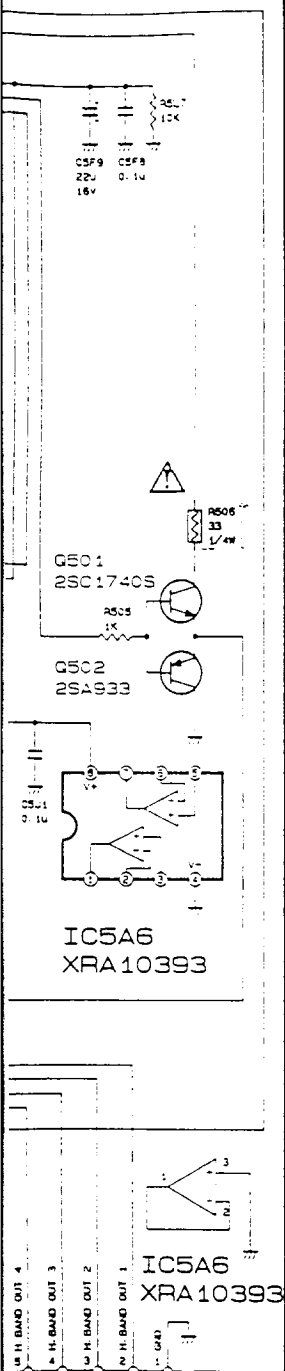
PWE-366B  
DIST. ADJ UNIT



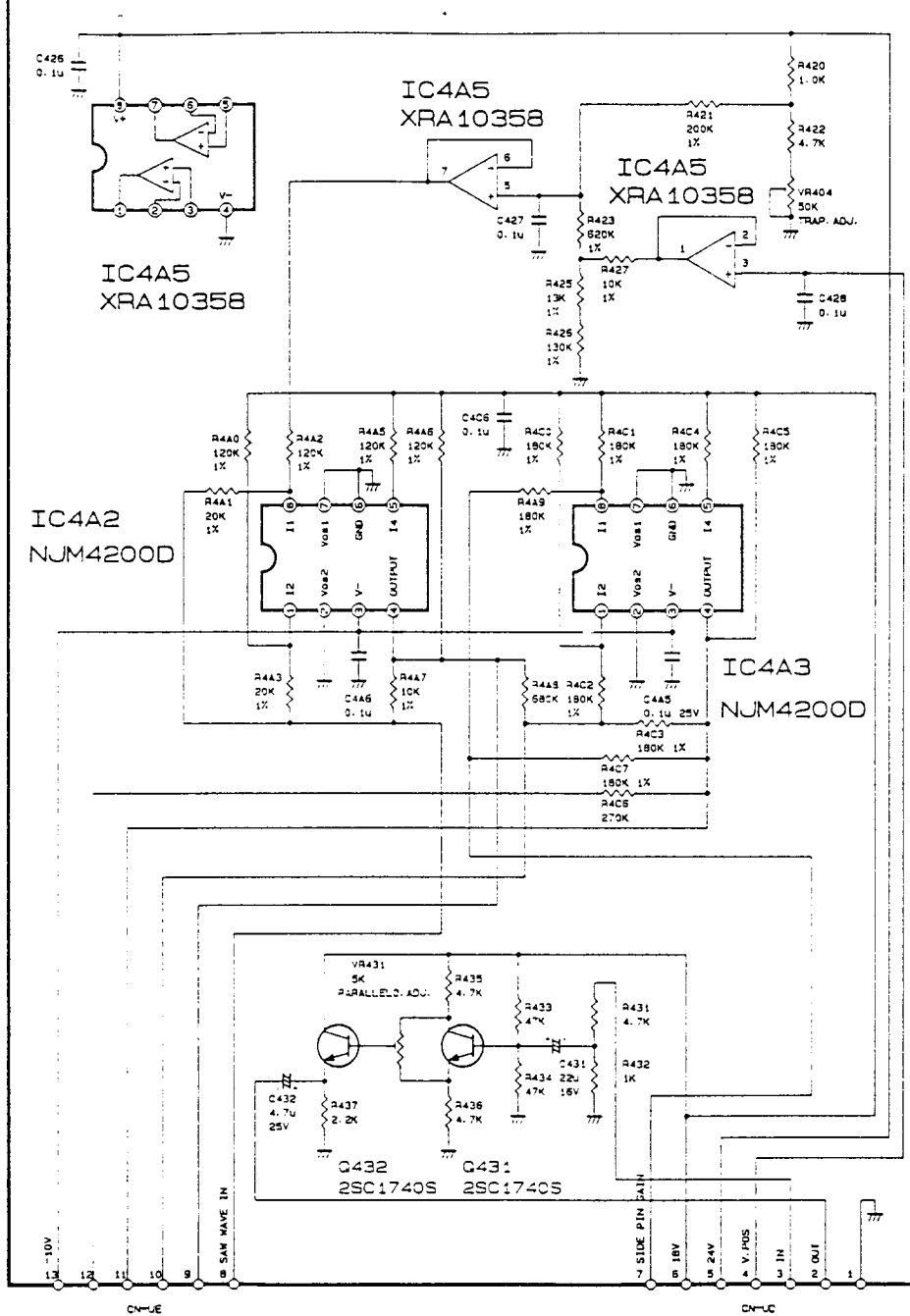
# E) UNIT PWB SCHEMATIC DIAGRAM(1/1)

RUN NO. 1

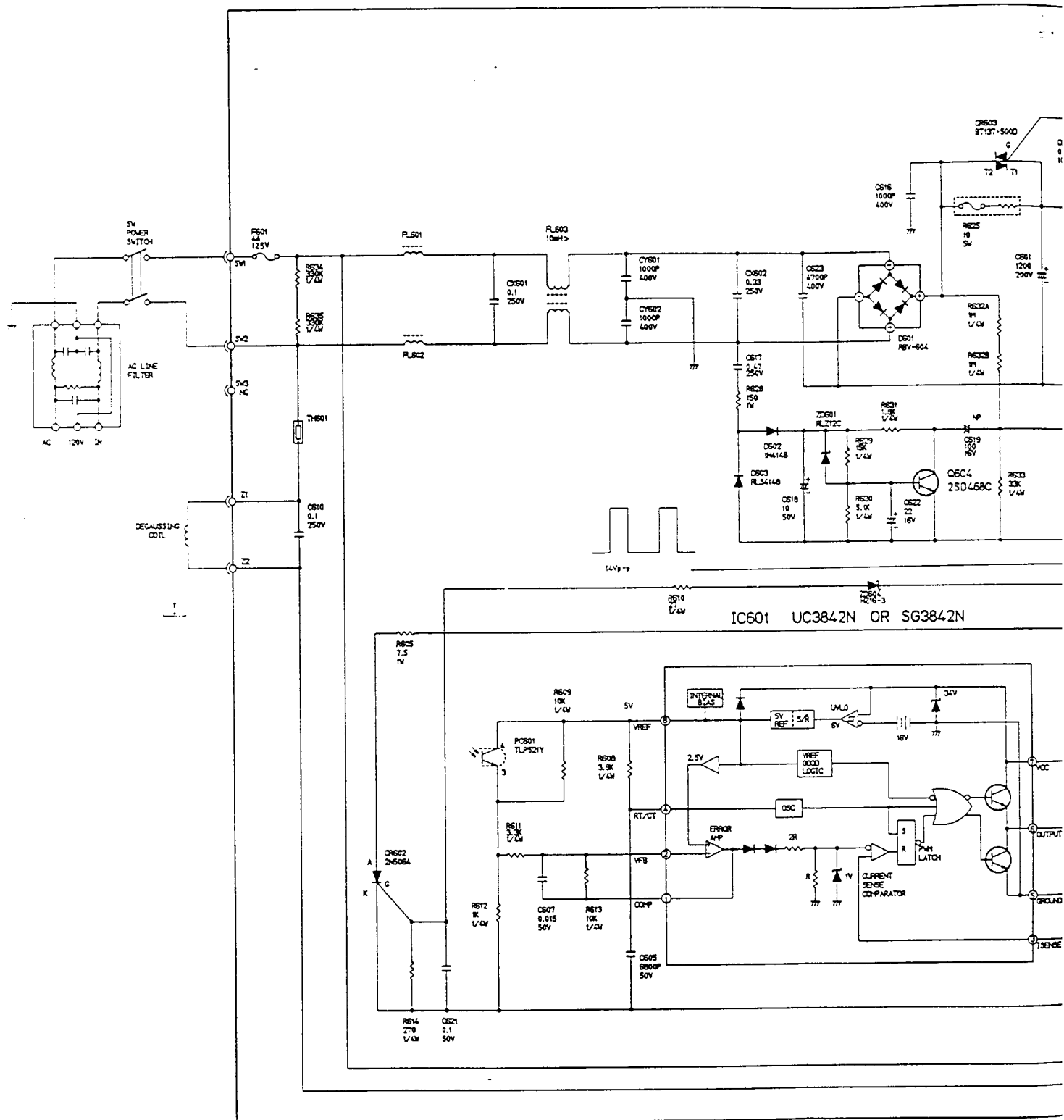
## OSC UNIT

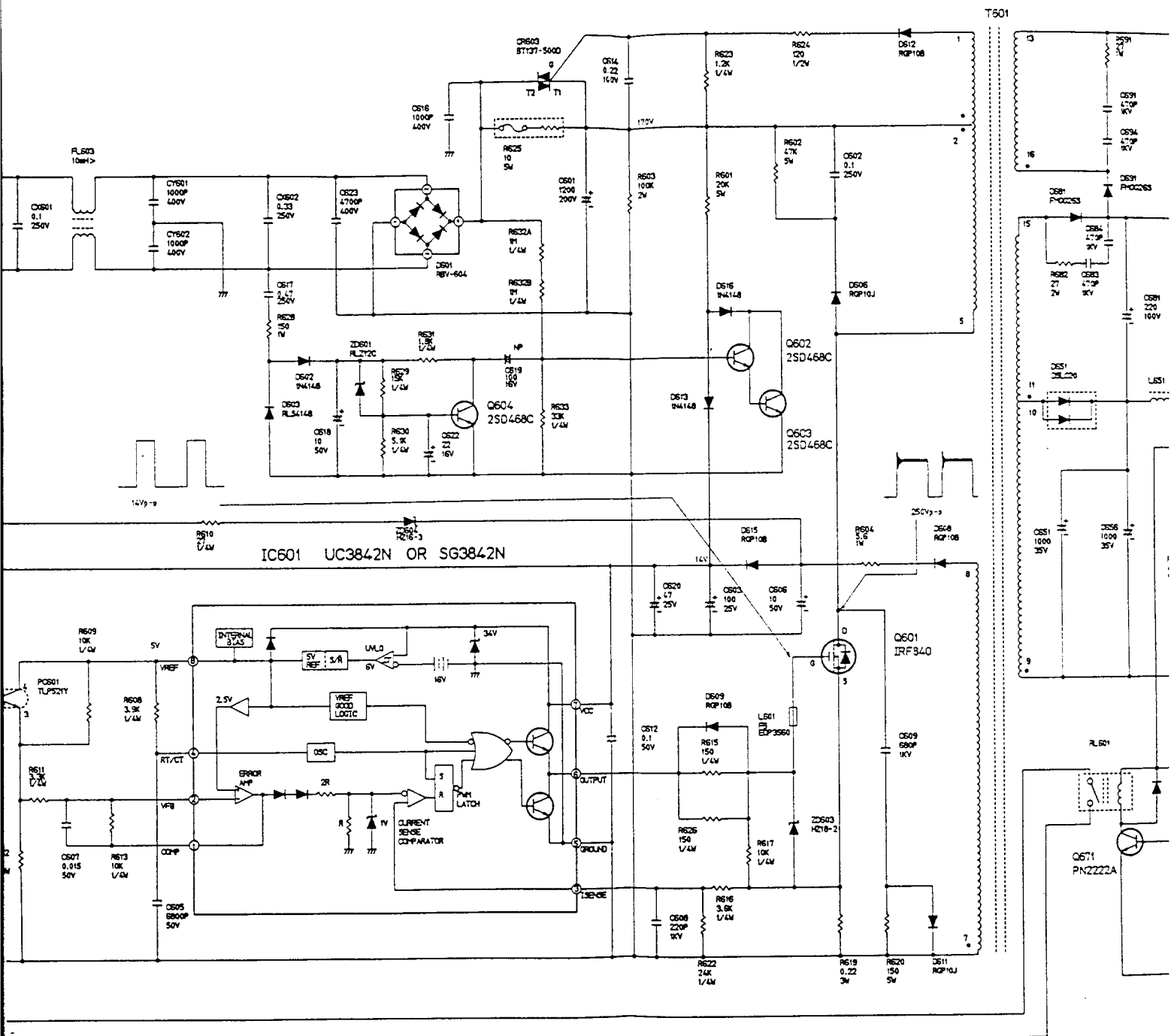


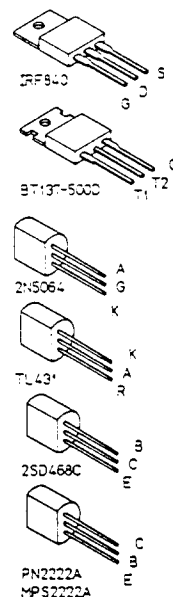
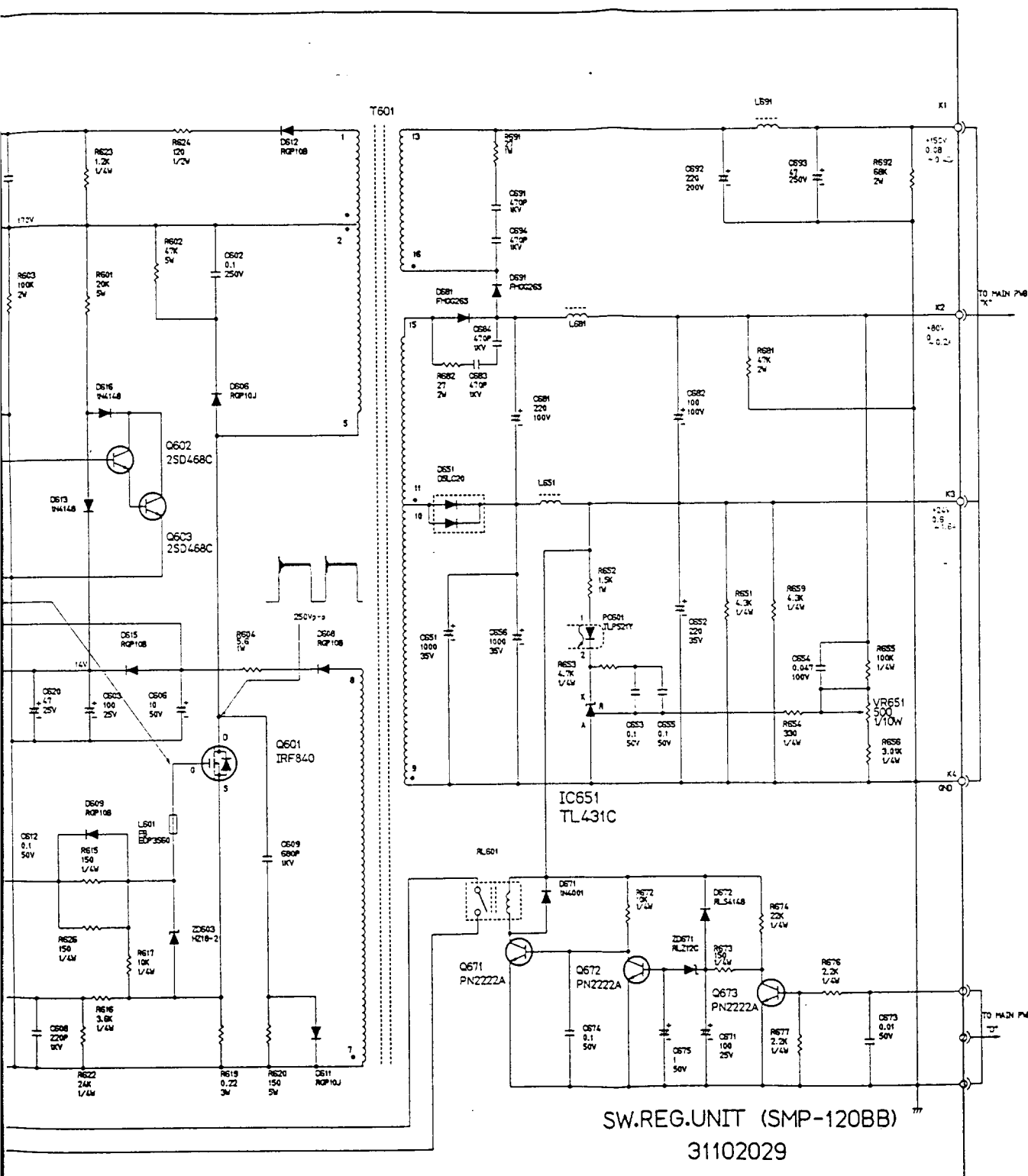
## PWE-366B DIST. ADJ UNIT



# MODEL JC-1531VMA-2 (SW. REG. PWB) SCHEMATIC DIAGRAM

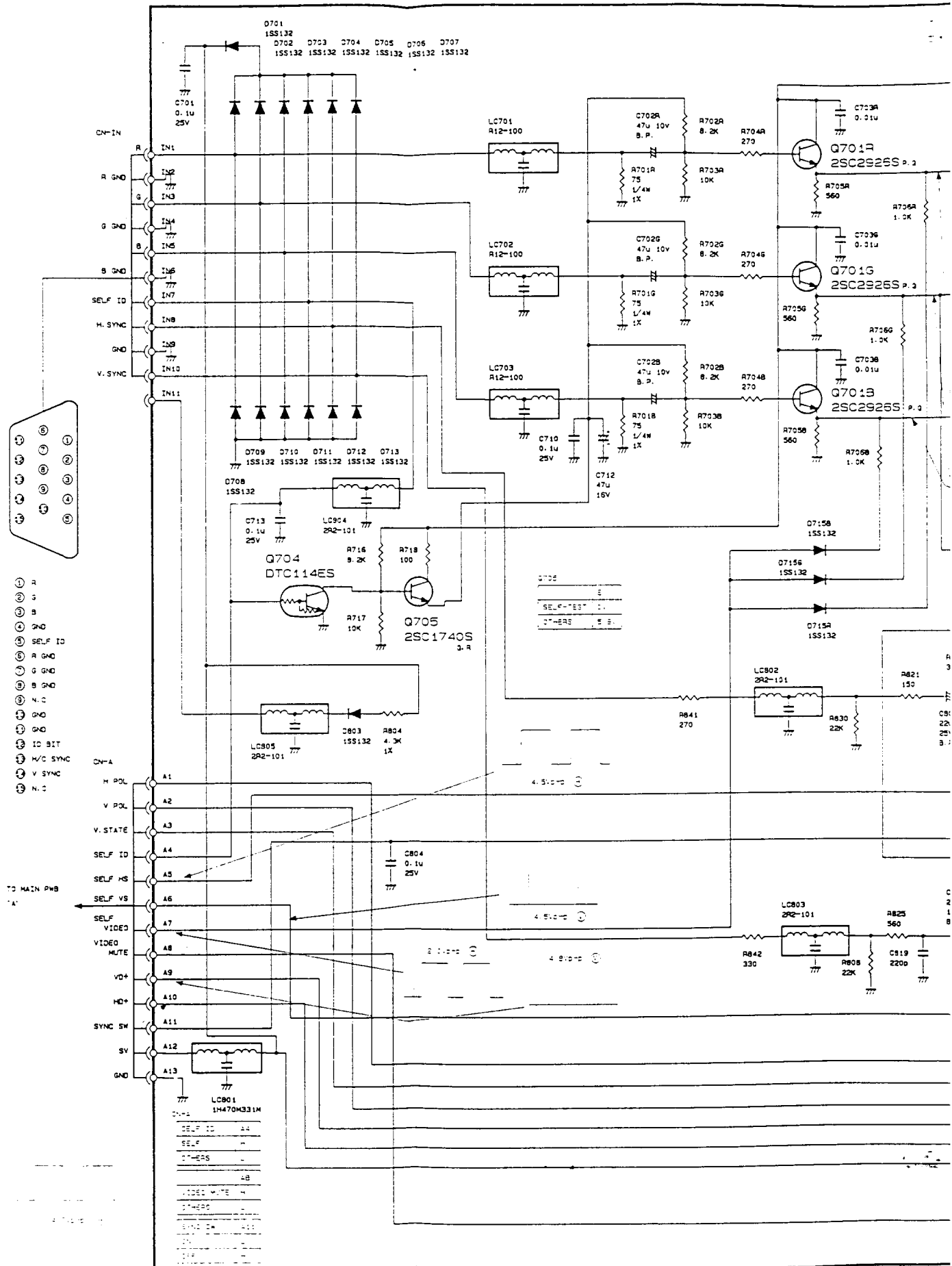






# MODEL JC-1531VMA-2/B-2/R-2/B-2(EF)

## VIDEO CRT PWB

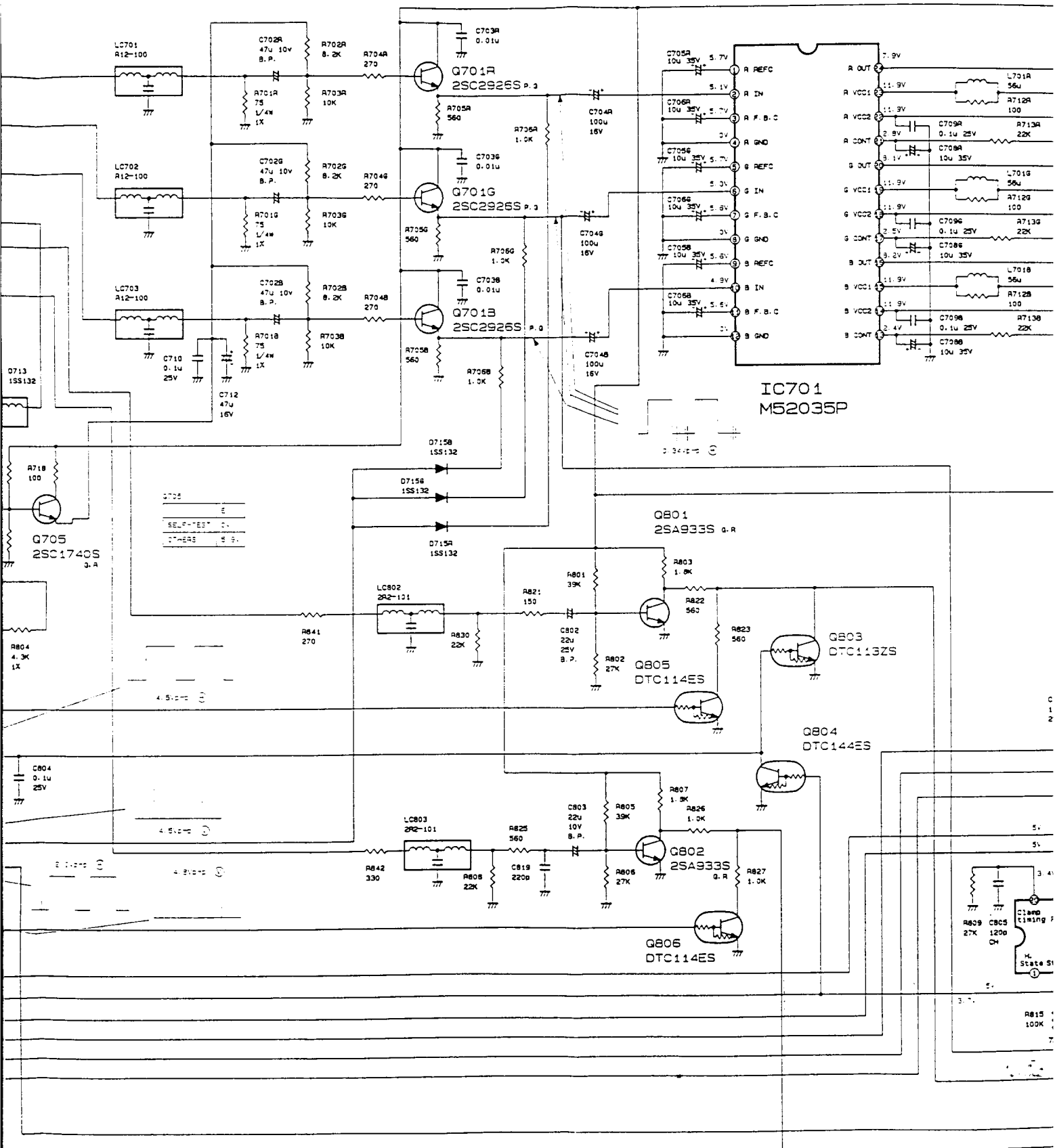


# VMA-2/B-2/R-2/B-2(EE)

## VIDEO CRT PWB SCHEMATIC DIAGRAM(1/3)

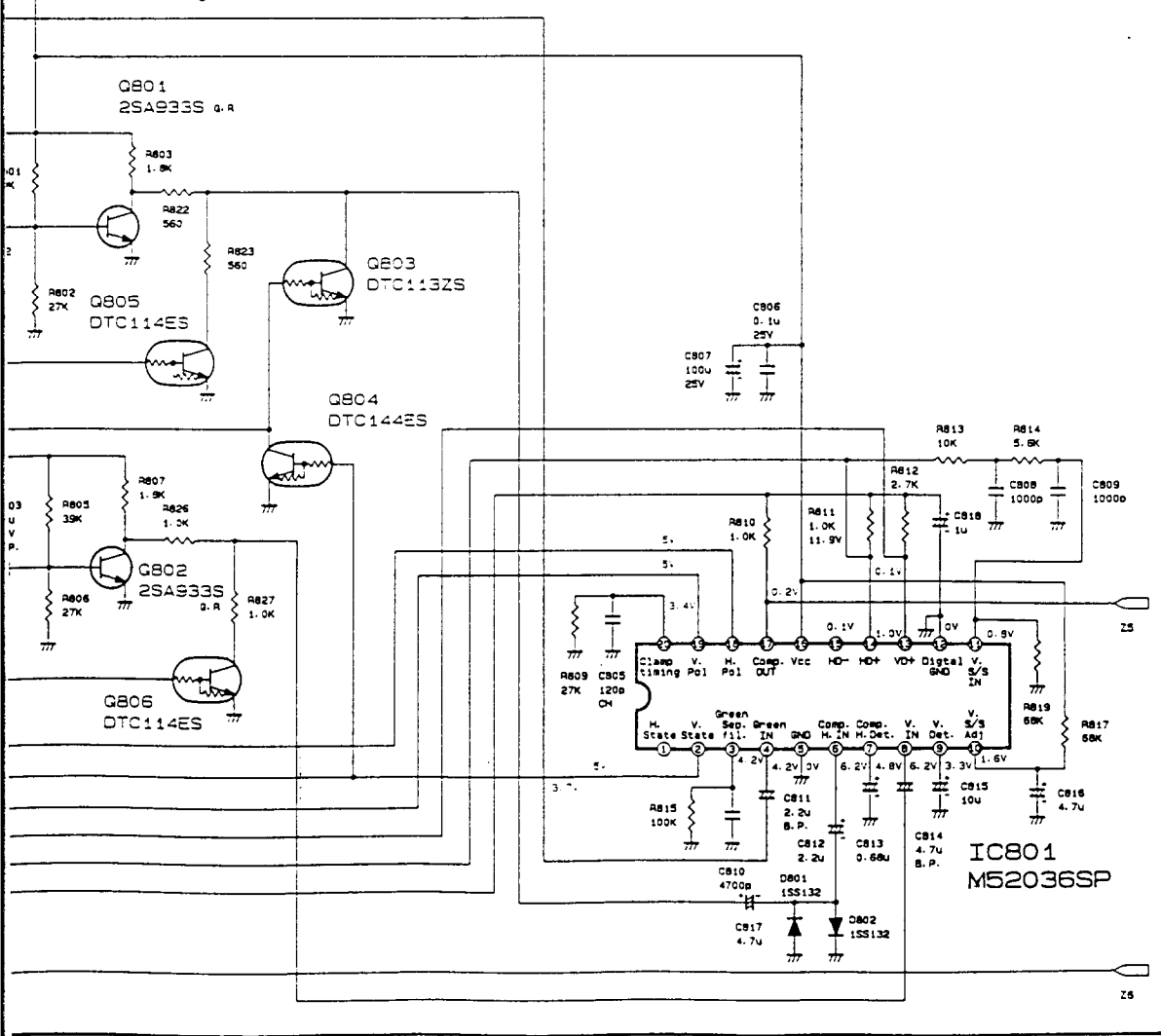
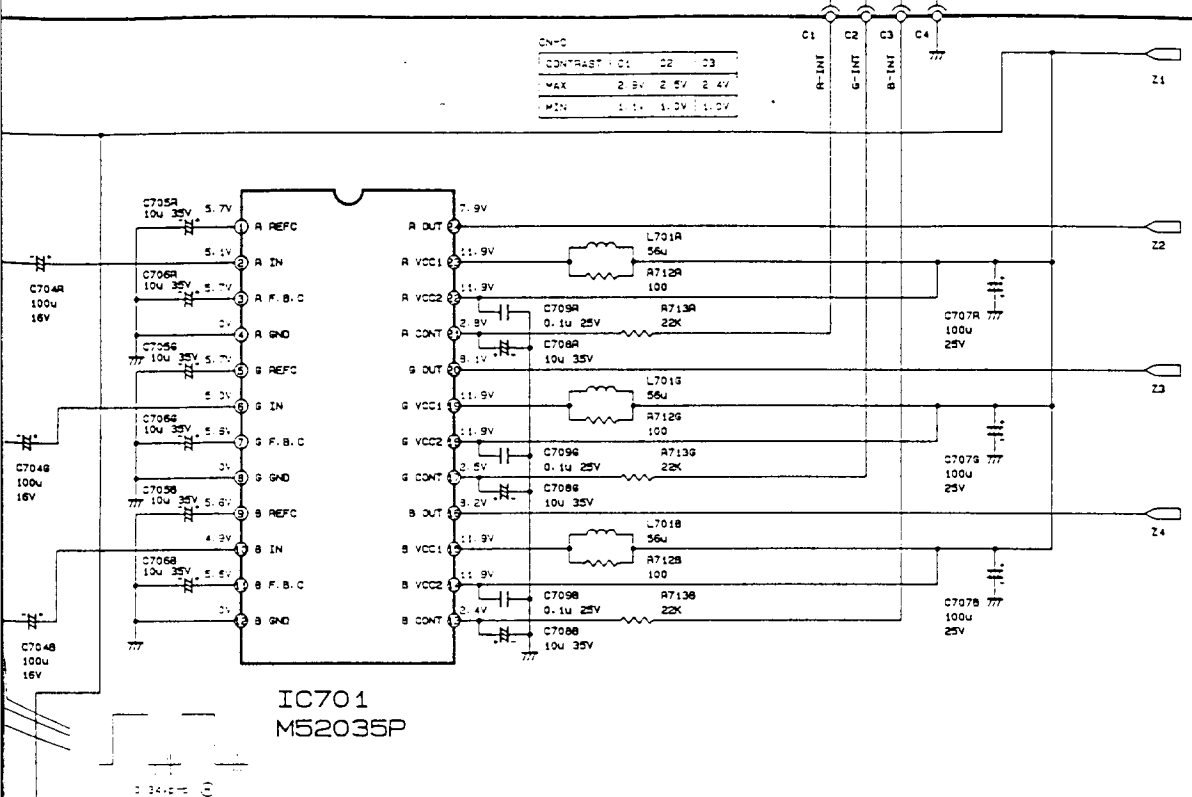
0705 0706 0707  
155132 155132 155132

CONTRAST	01	02	03
MAX	2.5V	2.5V	2
MIN	1.5V	1.5V	1

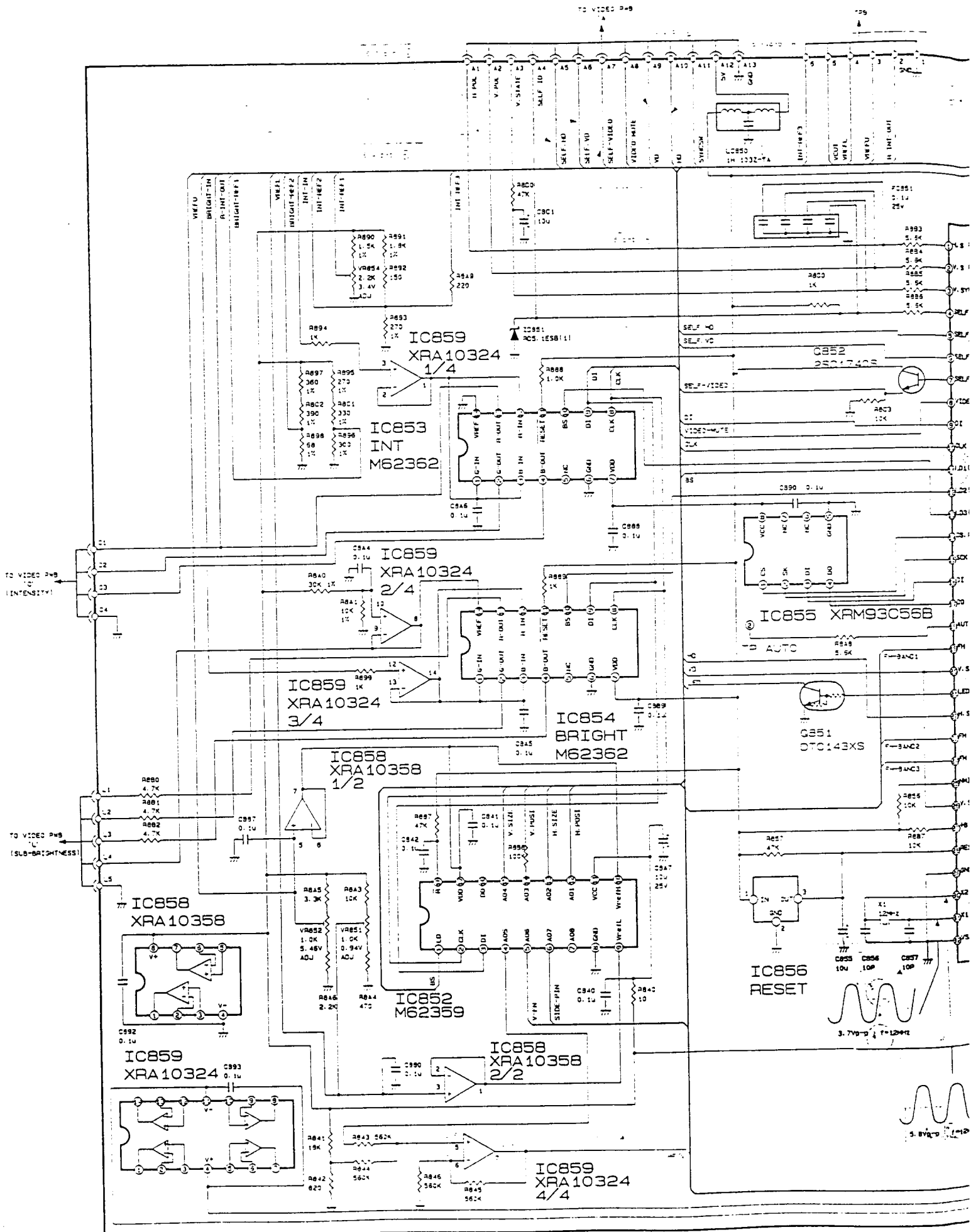


TO MAIN PW

CONTRAST	C1	C2	C3
MAX	2.5V	2.5V	2.4V
MIN	1.1V	1.2V	1.2V



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TO VIDEO PAB

TO CONTROL PAB

IC859  
XRA10324  
4/4

IC854  
BRIGHT  
M62362

IC855  
XPM93C56B

IC856  
RESET

IC851  
UPD78C12A

IC85  
LM29

TABLE:

	VGA350 (V)	VGA400	VGA480	XGA	MAC-2 800x600 (72)	MAC-2 932x624	1024x768 (70)
19	2.3	2.3	2.3	2.3	2.3	0	2.3
23	0	0	0	5	5	5	5
24	0	0	0	0	5	5	5
40	0	0	0	0	0	0	0
49	0	0	5	0	0	0	0
50	5	5	5	0	5	5	5
51	5	5	5	0	5	5	5

TC951									
	VEA350 (V)	VGA400	VGA480	VGA	MAC-2	800x600 (72)	MAC-2 832x624	1024x768 (70)	
(19)	2.3	2.3	2.3	2.3	2.3	0	0	2.3	
(23)	0	0	0	5	5	5	5	5	
(24)	0	0	0	0	0	5	5	5	
(48)	0	0	0	0	0	0	0	0	
(49)	0	0	5	0	0	0	0	0	
(50)	5	5	5	0	5	5	5	5	
(51)	5	5	5	0	5	5	5	5	

RUN NO. 1

