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# SAFETY PRECAUTIONS

During servicing, carefully observe the following.

## 1. OBSERVE ALL PRECAUTIONS

Items and locations that require special care during servicing, such as the cabinet, chassis, and parts, are labeled with individual safety instructions. Carefully comply with these instructions and all precautions in the instruction manual.

## 2. BE CAREFUL OF ELECTRIC SHOCK

The chassis carries an AC voltage. If you touch the chassis while it is still alive, you will get a severe shock. If you think the chassis is alive, use an isolating transformer or gloves, or pull out the plug before replacing any parts.

## 3. USE SPECIFIED PARTS

The parts have been chosen for minimum flammability and for specific levels of voltage resistance. Replacement parts must match these original specifications.

Parts whose specifications are particularly vital to safe use and maintenance of the set are marked  $\Delta$  on the schematic diagram and parts list.

Substitution of these parts can be dangerous for you and the customer, so use only specified parts.

## 4. REMOUNT ALL PARTS AND RECONNECT ALL WIRES AS ORIGINALLY INSTALLED

For safety, insulating tape and tubes are used throughout, but some lift-off parts on the printed wiring board require special attention.

All wires are positioned away from high-temperature and high-voltage parts, and, if removed for servicing, they must be returned precisely to their original positions.

## 5. HANDLE THE CATHODE RAY TUBE CAREFULLY

The set has an anti-explosion-type cathode ray tube as a precaution against violent implosion.

However, when the tube is removed or the set is serviced from the back, any shock to the cone can be dangerous. Be especially careful when handling the tube.

## 6. PRECAUTIONS AGAINST X-RAYS

Design of the cathode ray tube and high voltage peripheral circuits assure adequate protection against X-rays.

Any change in these circuits and connections can be dangerous. Use specified parts only. Use of other than specified parts can result in higher than rated voltages and lead to dangerous X-ray emissions.

## 7. RUN A COMPLETE SAFETY CHECK AT THE COMPLETION OF SERVICING

Make sure all screws, parts and wires are back in place and secure. Also make sure no damage has occurred during or as a result of servicing.

Also make insulation checks between external metal parts and plug blades.

(Insulation check)

Pull the plug out of the outlet, remove the antenna, and turn on the power.

The resistance between each plug blade and external metal parts (Note 1) must be at least  $1.0M\Omega$  as measured with a 500V insulation resistance meter (Note 2).

If resistance is below  $1.0M\Omega$ , the set must be inspected and repaired.

(Note 1)

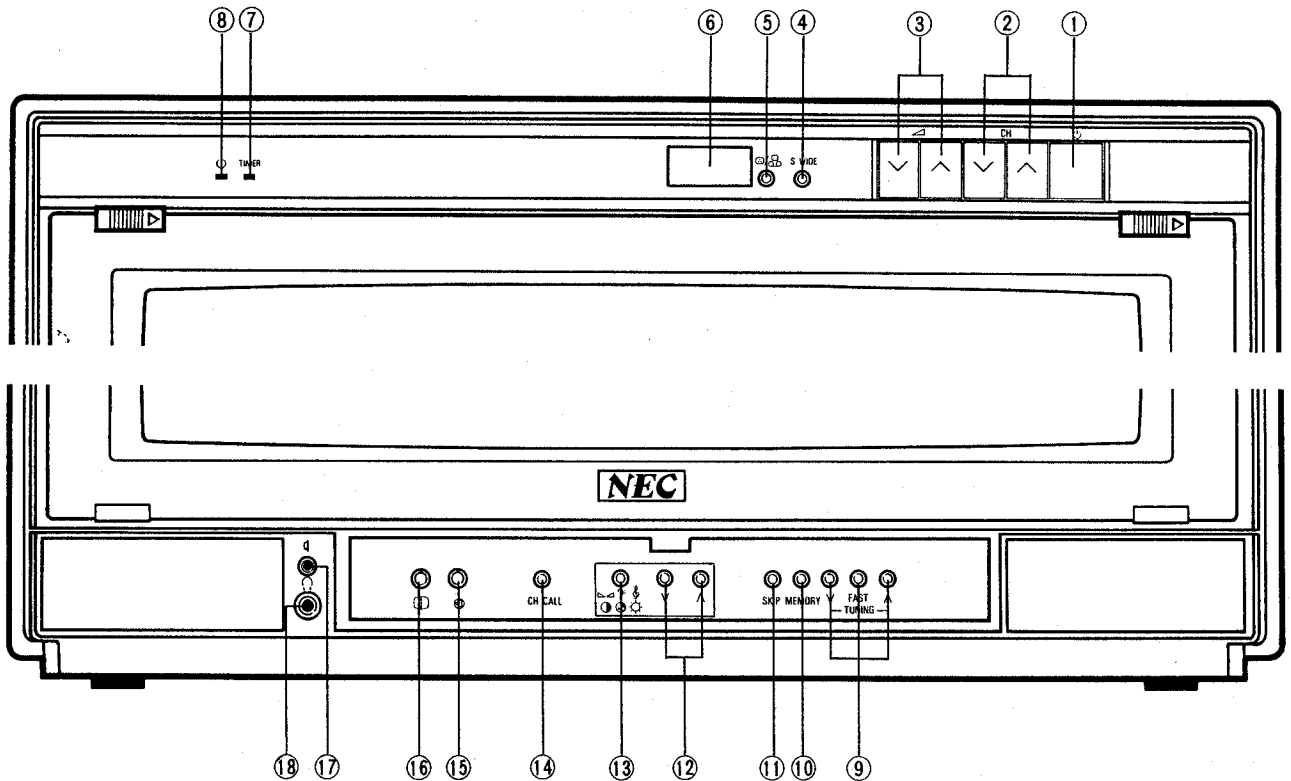
External metal parts.....Antenna terminal, earphone jack, sound recording terminal, etc.

(Note 2)

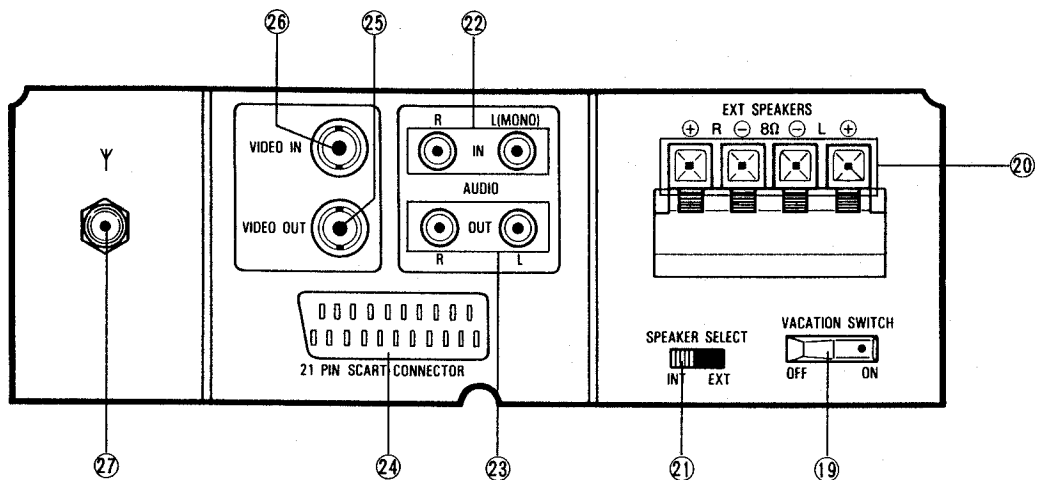
If a 500V insulation resistance meter is not available, use a tester.

# LOCATION AND FUNCTION OF CONTROLS

## •FRONT PANEL




















## •REAR PANEL




## DESCRIPTION OF CONTROLS

### FRONT PANEL

1. POWER button (  ); Turns the monitor power ON and OFF when in the standby condition.
2. CHANNEL up/down buttons (CH); Used to change the channel.
3. VOLUME up/down buttons (  ); Control the volume level.
4. S WIDE button (S WIDE); Press this button to create more ambience and a simulated stereo effect from a monaural sound source.
5. TV/VIDEO button (  ); Press this button to switch between TV input, VIDEO 1 input and VIDEO 2 input (21 pin scart connector).
6. Infrared sensor window; Receives the infrared signal transmitted by the remote control unit.
7. TIMER indicator; Lights when the on-timer on the Remote Control unit is activated.
8. Standby indicator (  ); Lights when the VACATION switch is turned ON.
9. TUNING down/fast/up buttons (  /FAST/  ); Used to set the monitor into the preset mode for channel programming.
10. MEMORY button; Used for channel memory when in the preset mode.
11. SKIP button; Used to programme the channel skipping when in the preset mode.
12. FUNCTION control buttons (  ); Used to adjust the function when in the function adjustment mode.
13. FUNCTION select button (  ,  ,  ,  ,  ,  ); Press this button to enter the function adjustment mode.
14. CHANNEL CALL button (CH CALL); Press this button to continuously display the channel number, time and mode.
15. SHARPNESS control (  ); Use to adjust picture sharpness.
16. VERTICAL HOLD control (  ); Use to adjust the vertical picture frame when the picture rolls vertically.
17. EARPHONE jack (  ); For earphone connection (when connected, speaker output is shut off).
18. HEADPHONES jack (  ); For connection of stereo headphones (when connected, speaker output is shut off).

### REAR PANEL

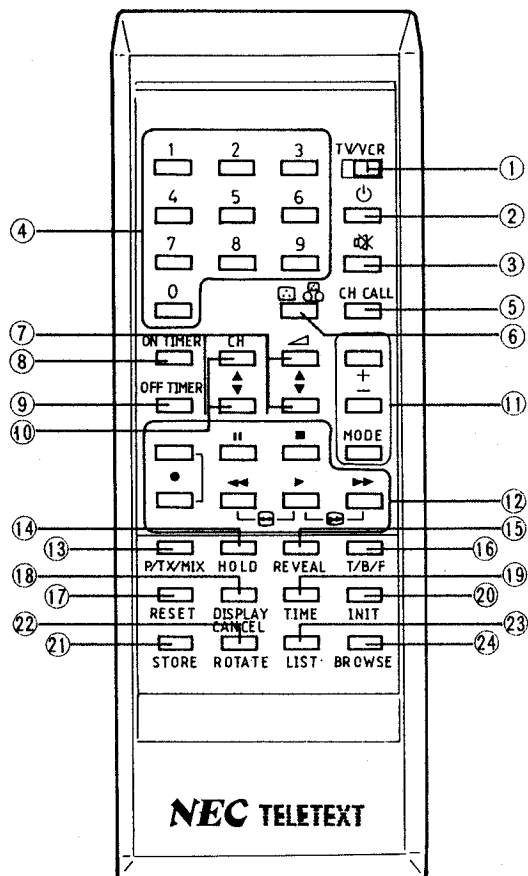
19. VACATION switch; The main POWER switch supplies AC for operating the TV monitor. Normally leave this switch set to ON, switch to OFF when going on vacation or not using the monitor for long periods of time.
20. EXT SPEAKER terminals; Connect external speaker systems directly to these connectors.
21. SPEAKER SELECT switch; Use this switch to select the internal or external speaker system.  
INT: Normally keep the switch at this setting for sound reproduction from the built-in speaker system.  
EXT: Use this setting for sound reproduction from external speakers connected to the external speaker terminal.
22. AUDIO Input terminals (phono pin type); Connect with audio outputs of an external component.
23. AUDIO Output terminals (phono pin type); Connect with audio inputs of an external component.
24. 21 pin SCART connector; Use this terminal to connect consumer video peripherals which use a 21 pin connector.
25. VIDEO Output terminal (BNC type); Connect with video inputs of external components to relay the image produced on the monitor screen to the external unit.
26. VIDEO Input terminal (BNC type); Connect with the video outputs of an external video component to reproduce the image from an external component on the monitor screen.
27. ANTENNA terminal (  ) (75Ω coaxial cable type); Connect a suitable antenna to this socket.

## REMOTE CONTROL OPERATION

NEC has now incorporated both TV and NEC VCR remote control operations into one handy unit. You need only slide a switch to change to either TV or NEC VCR remote control operation.

Your TV monitor can be controlled from your easy chair with the remote control unit accessory. The remote control unit operates by an infrared beam aimed at a sensor window on the front panel of the TV monitor. It features standard channel up/down buttons, a TV monitor on/off power button, volume up/down buttons, a MUTE button, OFF-TIMER and ON-TIMER buttons, a  $\text{TV/VCR}$  button, a channel call button and 10 channel select buttons etc. so that you can tune in any station directly. (For VCR control buttons, refer to the VCR instruction manual.) Plus all teletext controls.

If your unit is supplied without the batteries installed, install the batteries as described in "Battery Installation and Replacement" before operation.



## ■ REMOTE CONTROL UNIT FUNCTIONS

### TV/VCR ①

Use this switch to select the operation of your TV monitor or NEC VCR. Switch to "TV" for the TV monitor operations through your remote control unit, VCR functions will not operate. To operate your NEC VCR, switch to "VCR" and the VCR functions on the unit, plus VCR power and channel up/down will come in. (See VCR instruction manual).

### " $\text{Power}$ ": Power ②

Push the Power button to switch power either ON or OFF when the Vacation Switch on the TV monitor is ON (the Standby indicator will be lit).

### " $\text{Mute}$ ": Mute ③

Pushing this button cuts off the sound reproduced from the speakers and changes the colour of the volume indication bars to red. Pushing it once more returns the volume to the previous level and changes the colour of the bars back to green.

### "0-9": Channel Select keys ④

Use buttons "0-9" in combination for direct channel selection regardless of any previous memory settings or functions. For channels 1-9, channel numbers can be keyed in in two digits, (the first digit being "0") or in one digit. If the desired channel is keyed in using 1 digit, 3 seconds are required before the command takes effect. Also use these keys for setting the clock time, on-time and off-time. In the teletext mode, use these keys for selecting the desired page of TEXT.

### "CH CALL": Channel Call ⑤

Push this button to display the channel number, time and TV/VIDEO mode continuously on the screen.

### " $\text{TV/VCR}$ ": Mode Select ⑥

Push this button to select between TV, VIDEO 1 and VIDEO 2 mode.

### " $\text{Volume}$ ": Volume ⑦

Pushing the " $\text{Volume Up}$ " button increases volume continuously until you release your finger. Pushing the " $\text{Volume Down}$ " button reduces volume continuously until you release your finger. When you push these buttons, the volume indication bar (green) appears at the bottom of the screen.

### "ON-TIMER": ⑧

Push this button to set the turn-on time. Refer to the section "PROGRAMMING THE ON-TIMER".

### "OFF-TIMER": ⑨

Push this button to set the turn-off time. Refer to the section "PROGRAMMING THE OFF-TIMER".

### "CH $\text{Up/Down}$ ": Channel up/down ⑩

Press the channel " $\text{Up}$ " button to tune in higher channels, and the " $\text{Down}$ " button to tune in lower channels. When in TEXT mode, Press the channel " $\text{Up}$ " button to step up the teletext page, and press the channel " $\text{Down}$ " button to step down the teletext page.

#### MODE + - buttons ⑪

Press the MODE button to enter the Function adjustment mode. Each time this button is pressed the selected function, displayed in magenta, will change. The adjustment is then controlled by the "+ -" buttons (see page 6).

#### VCR control buttons ⑫

Refer to your NEC VCR user's manual for operating instructions of these buttons.

#### Buttons for TELETEXT Use

##### P/TX/MIX button ⑬

1. Press the P/TX/MIX button to switch from normal TV reception to one of the teletext information displays. (P→TX).
2. Press the P/TX/MIX button again, and the TV switches from the teletext display to a mixed TV and teletext display.
3. Press the P/TX/MIX button once again to switch from the TV and teletext mixed display to the normal TV display. (MIX→P)

##### HOLD button ⑭

Press the HOLD button to hold the display of your selected teletext page. The word "HOLD" will be displayed on the top center of the TV screen. To cancel hold, press the HOLD button again.

##### REVEAL button ⑮

Pressing REVEAL button will display concealed tests (such as quiz pages with hidden answers, etc). To cancel, press P/TX/MIX button or REVEAL button.

##### T/B/F (Top, Bottom, Full) button ⑯

Press the T/B/F button to expand one half of the screen. Press the T/B/F button again, and the other half of the screen will be expanded. Press the T/B/F button again to return to the normal teletext display.

##### RESET button ⑰

When the RESET button is pressed, the teletext page is reset to display the initial page.

**NOTE:** When the RESET button is pressed while in the LIST mode, the LIST mode is cancelled and the TV reverts back to normal teletext operation.

##### DISPLAY CANCEL button ⑱

When in text mode, press the DISPLAY CANCEL button to return the TV to normal TV display. This is particularly useful with (a) newsflash pages or (b) viewing TV while looking for a selected page.

1. While in text mode, select a newsflash page. Press display cancel button, and every time new information is available (a newsflash), it is displayed automatically. Pressing DISPLAY CANCEL button clears this, until the

2. While in text mode, select desired page for viewing and press DISPLAY CANCEL button. When this page is found the page number and 'FOUND' are displayed at the top of the screen.

##### TIME button ⑲

This function is for selected pages only (p.196 or p.296). With this button you can store a specific page of information to be displayed at some predetermined time. While in TEXT mode, select the required page using ten (10) keys or CHANNEL UP/DOWN buttons, Press the TIME button. The letter "T" followed by "\*" is displayed at the top of the screen. The desired viewing time can now be entered. e.g. For 3:30p.m. enter (using the ten keys) 1-5-3-0. Press the DISPLAY CANCEL button to return to normal TV mode. When the set time arrives (15:30) the TV automatically displays the teletext page selected.

#### NOTES:

1. In some teletext broadcast it is not possible to select the page directly. You should first select the relevant page number on which the 'clock alarm' or 'attention sign' is transmitted.
2. To cancel the TIME function press the reset button.

##### INITIAL button ⑳

Use this button to alter the teletext page you receive, when you first switch to teletext.

1. Select programme position desired.
2. Press P/TX/MIX button.
3. Press INIT button (THE BLUE box in which the page number is displayed changes to red).
4. Input the page number you would like displayed, when selecting text mode (the red box then changes to blue, as this page is automatically stored).

#### NOTES:

1. If a page number is not input, the red box will automatically return to blue.
2. The initial page facility is only available on programmes one to ten.
3. A different page can be stored on each programme position (one to ten).
4. The initial pages are stored in the TV memory.

##### STORE button ㉑

Use the STORE button to STORE a page of teletext in the TV memory. To do this first select the page of teletext you desire to store (whilst in TEXT mode). Press the STORE button. The programme number is then displayed on the top left hand side of the screen alongside an asterisk (e.g. \*02). This page can then be displayed by pressing the rotate button.

#### EXAMPLE:

Press the TV button and select programme position one using the 10 keys buttons. Press the TEXT button and select a page of text. The stored page number and programme number are displayed at the top left hand side of the page. e.g. P200 \*02.

Pressing the ROTATE button switches between the displayed page and the stored page.

To cancel the stored page, press the STORE button again.

#### ROTATE button ②②

When in the list mode the rotate button is used to rotate between the selected pages displayed at the top of the screen.

#### LIST button ②③

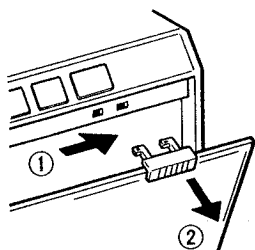
While in TEXT mode, press the LIST button, four numbers will appear at the top right hand side of the text page. The first of these LIST numbers will be yellow, you can change this number by using the 10 keys or CHANNEL UP/DOWN buttons. Pressing the LIST button will automatically store the page number selected and step to the next number for the process to be repeated. To access the pages stored in the LIST memory press the rotate button. The selected page number is then displayed at the top left hand side of text page. To escape from the LIST mode press the RESET button.

## DETACHING THE GLASS FILTER

The tinted glass filter is fitted over the monitor's TV screen for viewing comfort. If you should prefer not to use it, or need to remove it for cleaning, it may be detached as described below.

### •REMOVING THE FILTER

1. Press on the filter glass below the glass filter latches and slide the latches toward the right ①.
2. When the latch is released, the glass will fall forward as shown ②.
3. Lift the glass filter out of the filter holder at the bottom of the screen and remove it.



#### NOTE:

1. If a number is not input within approximately five seconds, list function is automatically cancelled and the yellow number reverts back to white. To input a number simply press the LIST again and continue as described above.
2. The list numbers are preceded by a ">" i.e. > 158 158 158 158. When the rotate button is pressed the '>' steps up to the next position, indicate which page will be selected next time the rotate button is pressed i.e. 158> 158 158 158.

#### BROWSE button ②④

Press the BROWSE button to select random pages of the teletext system.

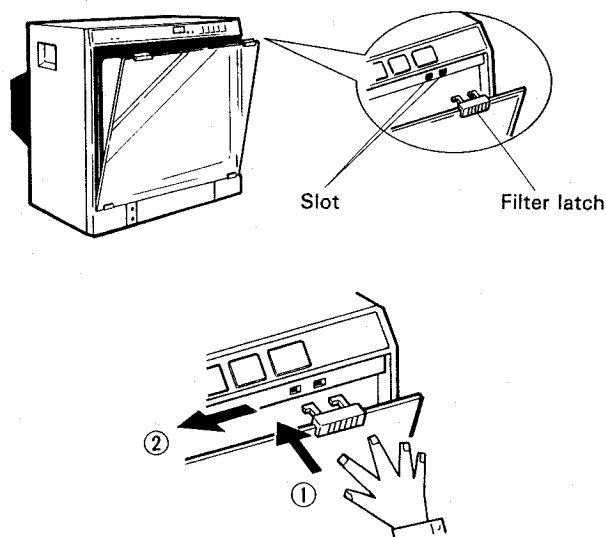
#### CH up/down buttons

##### PAGE UP/DOWN

In text mode, when the CHANNEL UP button is pressed, steps up the teletext page one by one, and the CHANNEL DOWN button pressed, steps down the teletext page one by one.

### •REATTACHING THE FILTER

1. Insert the glass filter in the filter holder at the base of the screen, and fit it in place.
2. Insert the filter latches into the slots as shown ①.
3. Press and then slide the latches to the left to secure the glass in place ②.



## ■ 21 PIN SCART

The 21 pin SCART connector is used for connecting a wide array of consumer video peripherals to the TV monitor, including VCR's, Video disc players, HI-FI systems, personal computer and TV games with RGB source.

When an external component, connected with the 21 pin SCART, is turned ON, the TV monitor will automatically enter the VIDEO 2 mode regardless of the present mode.

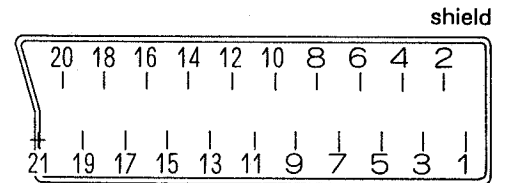
**NOTE:** As connection terminology and individual operating features of your equipment may vary, be sure to carefully read the operating manuals for the VCR, VDP and other equipment you are using to ensure proper operation. When making connections, make sure that you use the specified cables.

### 21 pin SCART CONNECTOR

The 21 pin SCART CONNECTOR specification consists of the following connections.

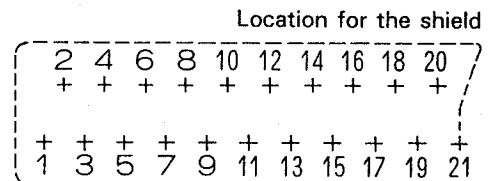
1 Audio out (right)	500mV/10K ohm
2 Audio in (right)	500mV/10K ohm
3 Audio out (left)	500mV/10K ohm
4 Audio earth	
5 Blue earth	
6 Audio in (left)	500mV/10K ohm
7 Blue in	700mV/75 ohm
8 Function Switch	Logical 0: 0V-2V/10K ohm Logical 1: 10V-12V/10K ohm
9 Green earth	
10 Not used	—
11 Green in	700mV/75 ohm
12 Not used	—
13 Red earth	
14 Blanking Earth	—
15 Red in	700mV/75 ohm
16 Blanking	Logical 0: 0V-0.4V/75 ohm Logical 1: 1V-3V/75 ohm
17 Video Output earth	
18 Video Input earth	
19 Video Out	1V/75 ohm
20 Video In	1V/75 ohm
21 Socket earth	

**Note:** When the 21pin scart connector is used, and the TV monitor is set in the RGB mode, any function change that produces an on-screen display will result in slight colour distortion, only while the on-screen is displayed.



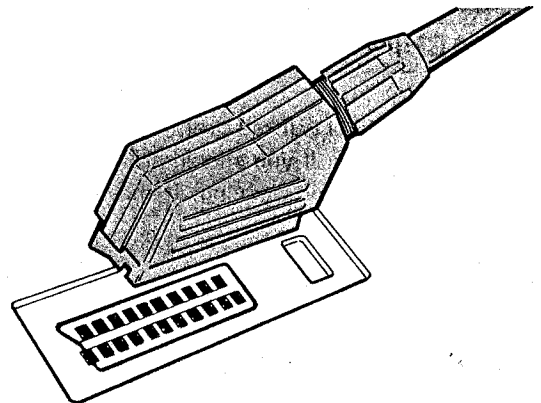
CONNECTOR PLUG

(As seen from the wiring side)



21 Pin SCART SOCKET

(As seen from the wiring side)





# MECHANICAL DISASSEMBLY

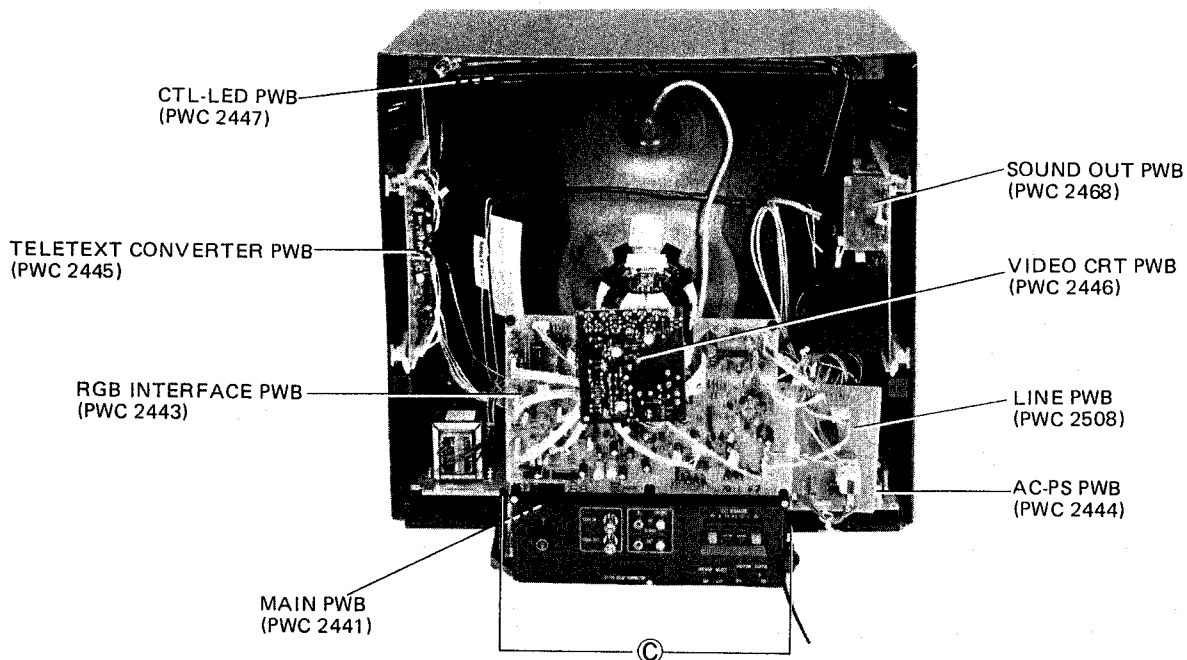
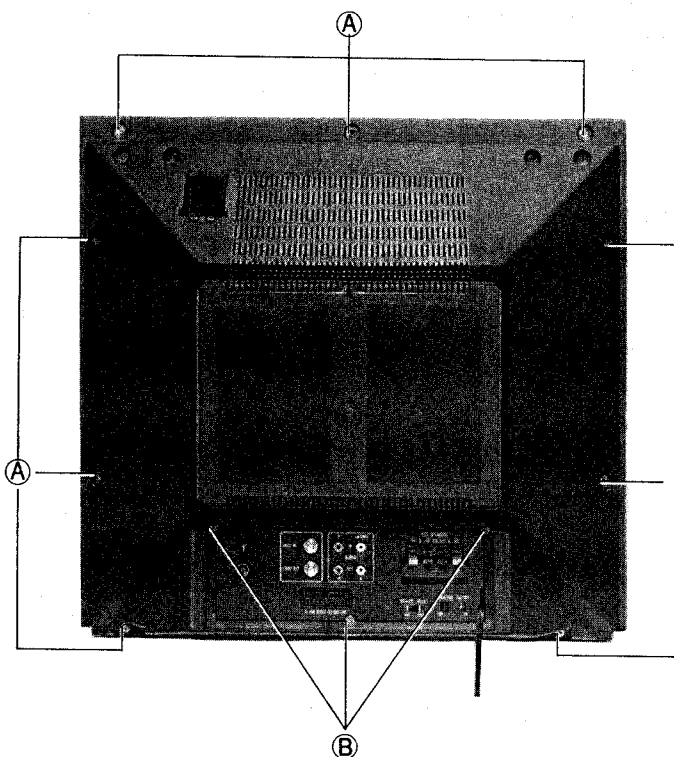
## 1. CABINET BACK REMOVAL

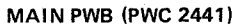
1. Remove 9 Backcover mounting screws (A).
2. Remove 3 Terminals Board mounting screws (B).
3. Gently remove the Backcover.

## 2. CHASSIS SERVICE POSITION

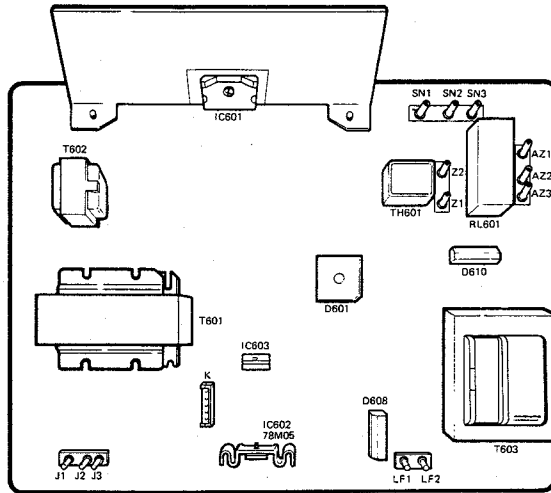
### Main Chassis Removal

1. Remove 2 Main-chassis mounting screws (C).
2. Slide back the Main chassis.

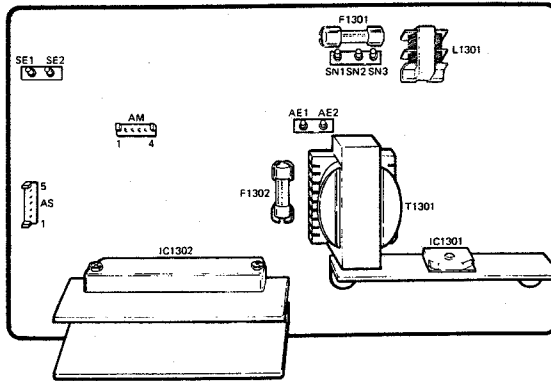




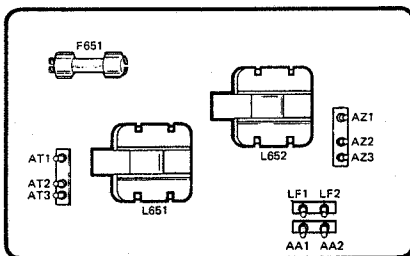
# PARTS LOCATION DIAGRAMS



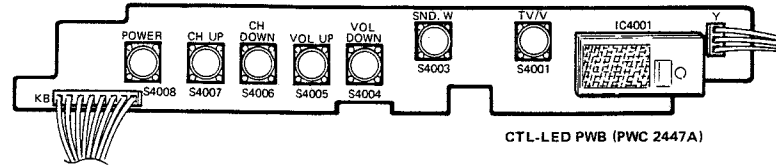
AC-PS PWB (PWC 2444)



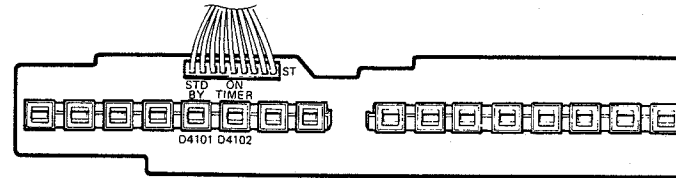
SOUND OUT PWB (PWC 2468)



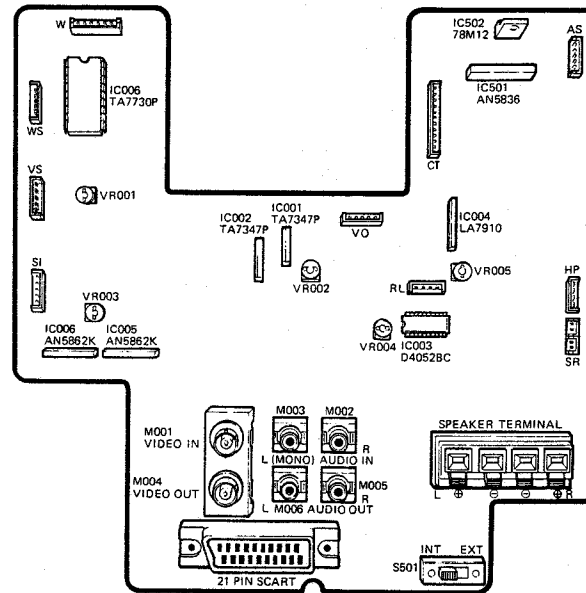
LINE FILTER PWB (PWC 2508)



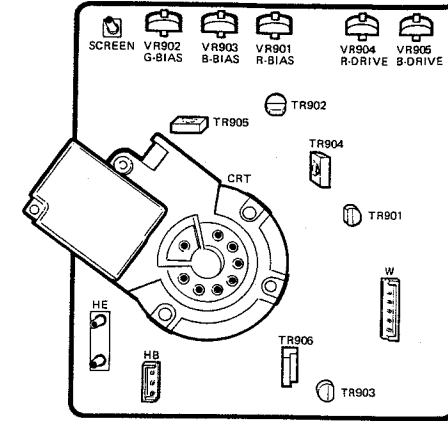
CTL-LED PWB (PWC 2447A)



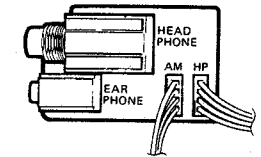
CTL-LED PWB (PWC 2447B)



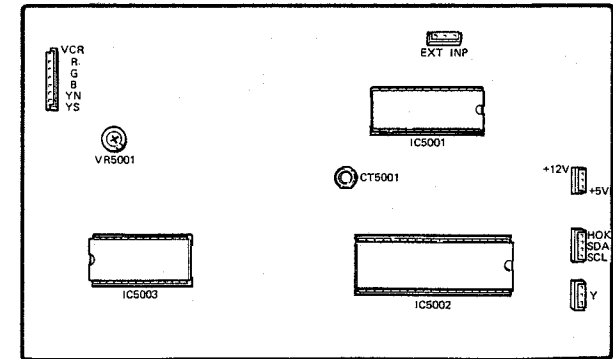
RGB INTERFACE PWB (PWC 2443)



VIDEO CRT PWB (PWC 2446)

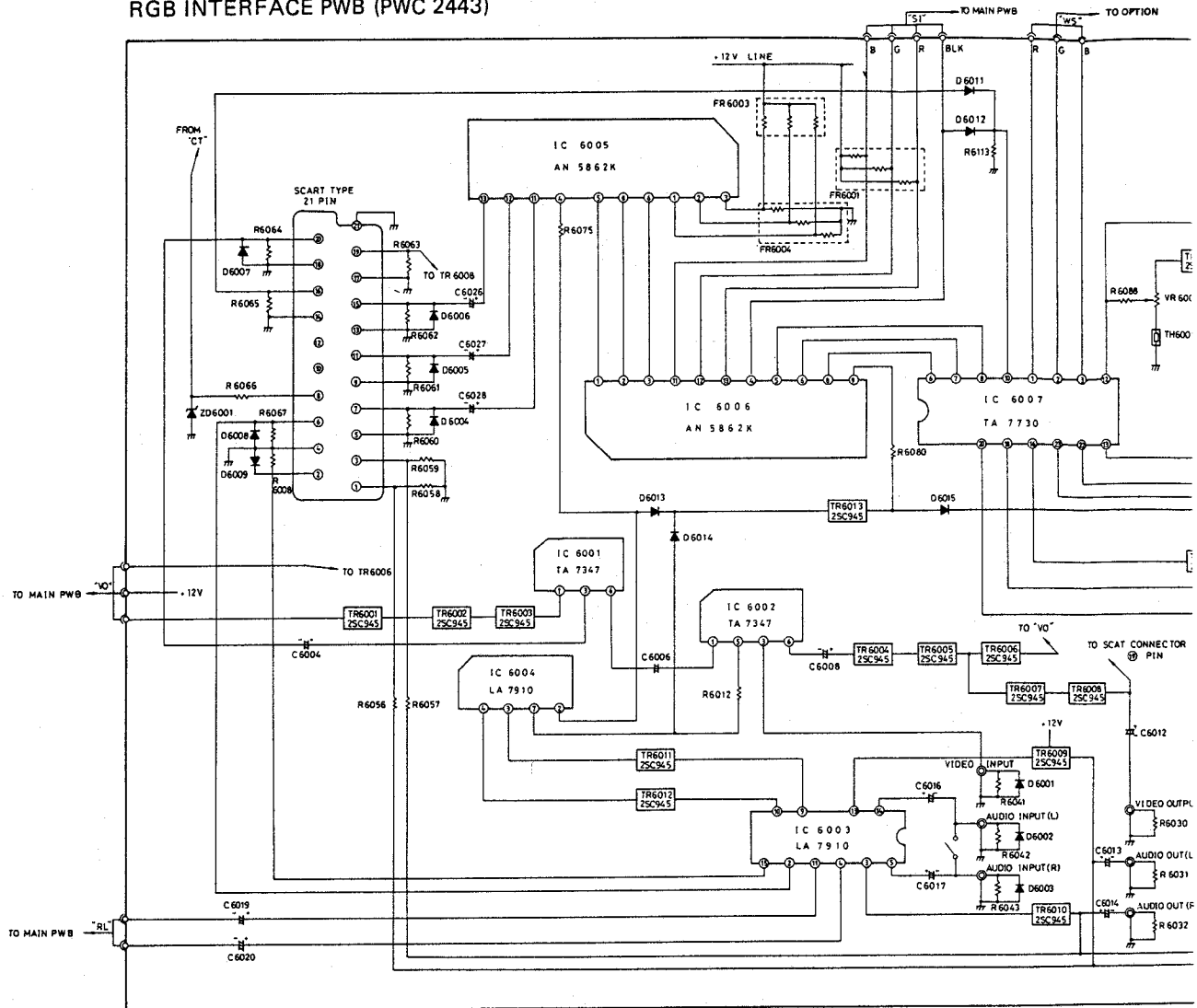


PHONE PWB (PWC 2443B)

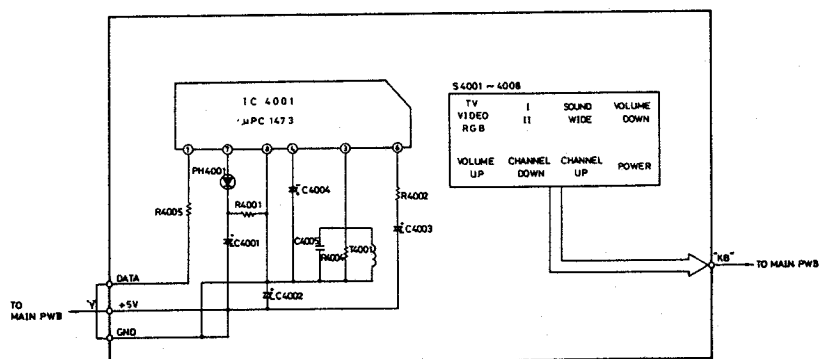


TELETEXT CONVERTER PWB (PWC 2445)

RGB INTERFACE PWB (PWC 2443)

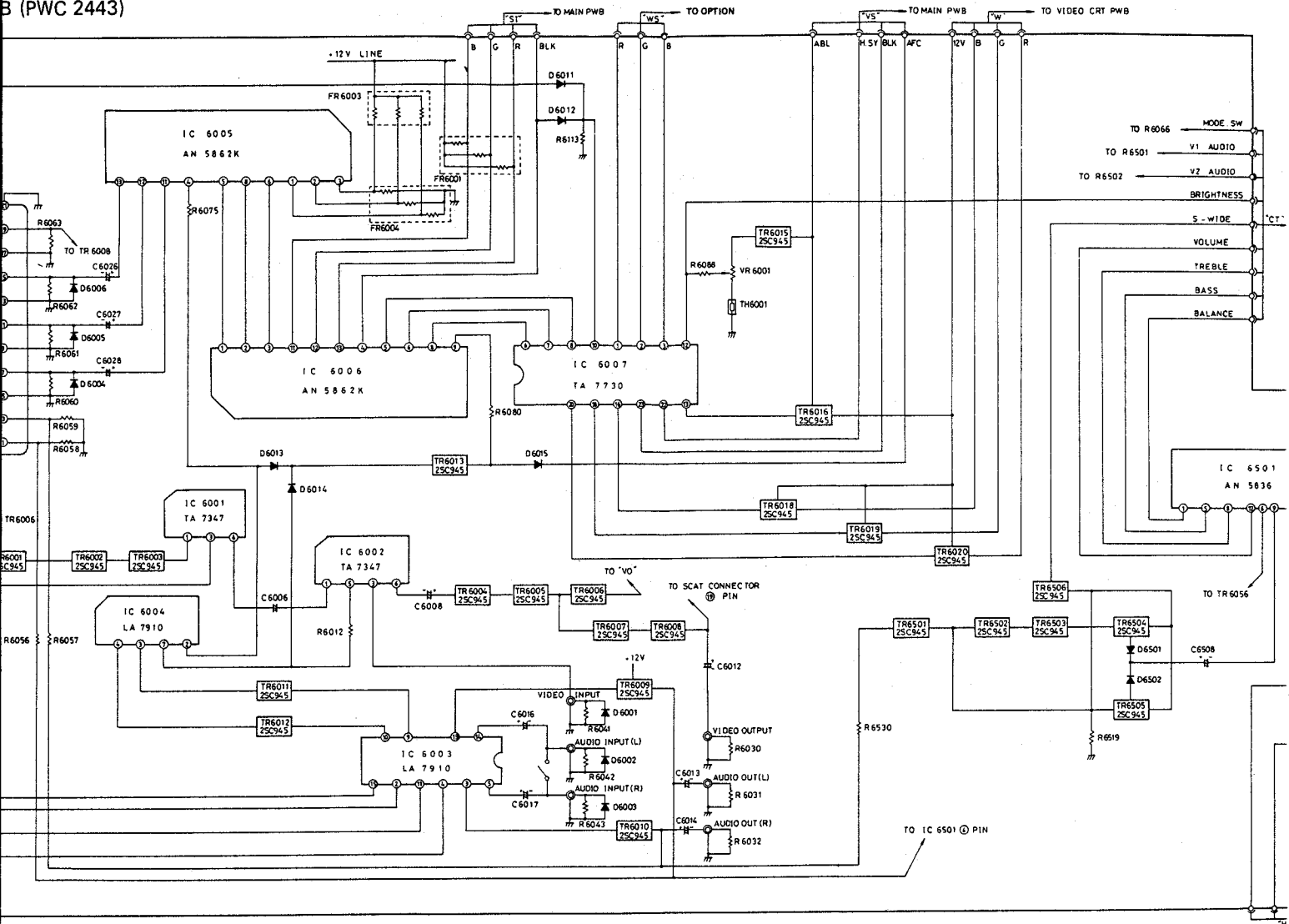


CTL-LED PWB (PWC 2447A)

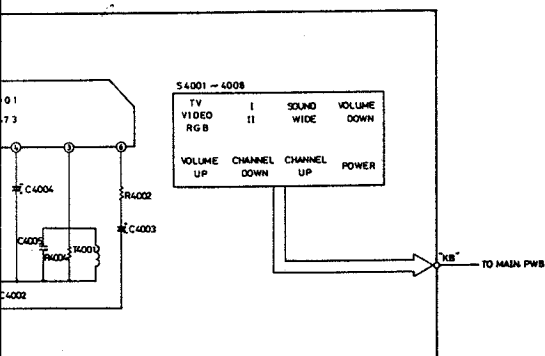


# BLOCK DIAGRAMS

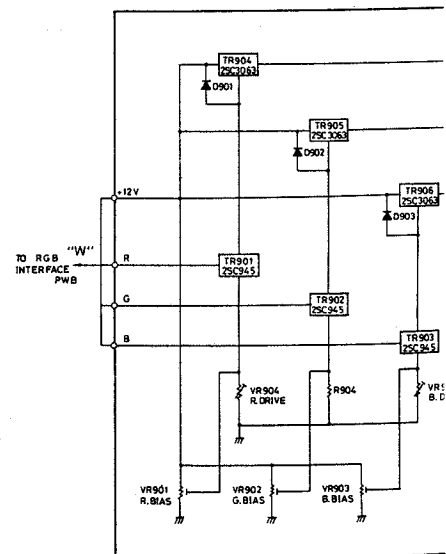
B (PWC 2443)



(PWC 2447A)



VIDEO CRT PWB (PWC 2446)



TO RGB  
INTERFACE  
PWB

12V

R

G

B

TR904  
2SC945

D901

TR905  
2SC945

D902

TR906  
2SC945

D903

TR901  
2SC945

TR902  
2SC945

TR903  
2SC945

VR904  
R.DRIVE

R904

VR905  
B.DRIVE

VR901  
R.BIAS

VR902  
G.BIAS

VR903  
B.BIAS

160V

TO TR

WB

HEATER

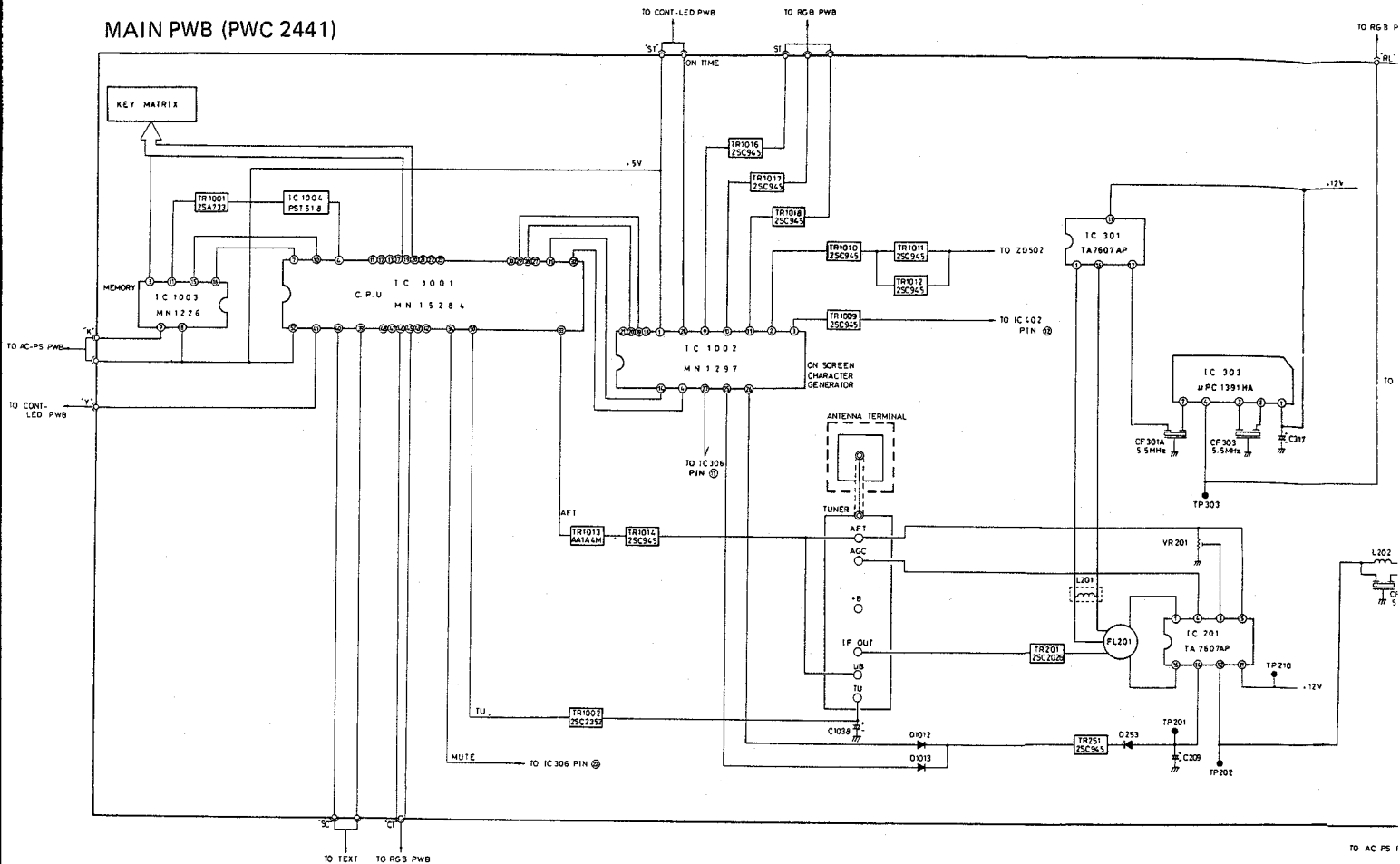
CRT A51JAR61X

FOCUS

SCREEN

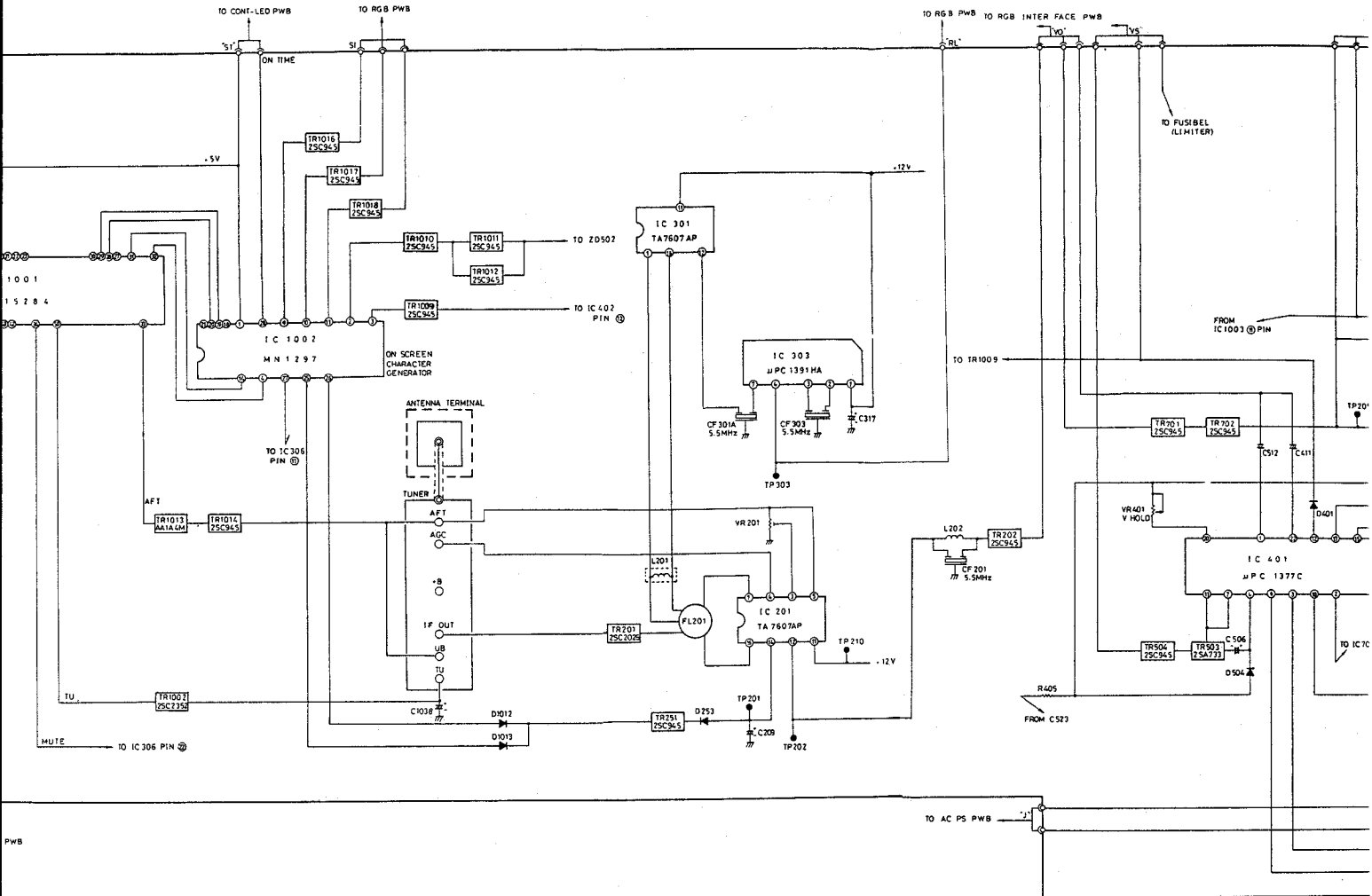
TO MAIN PWB

MAIN PWB (PWC 2441)



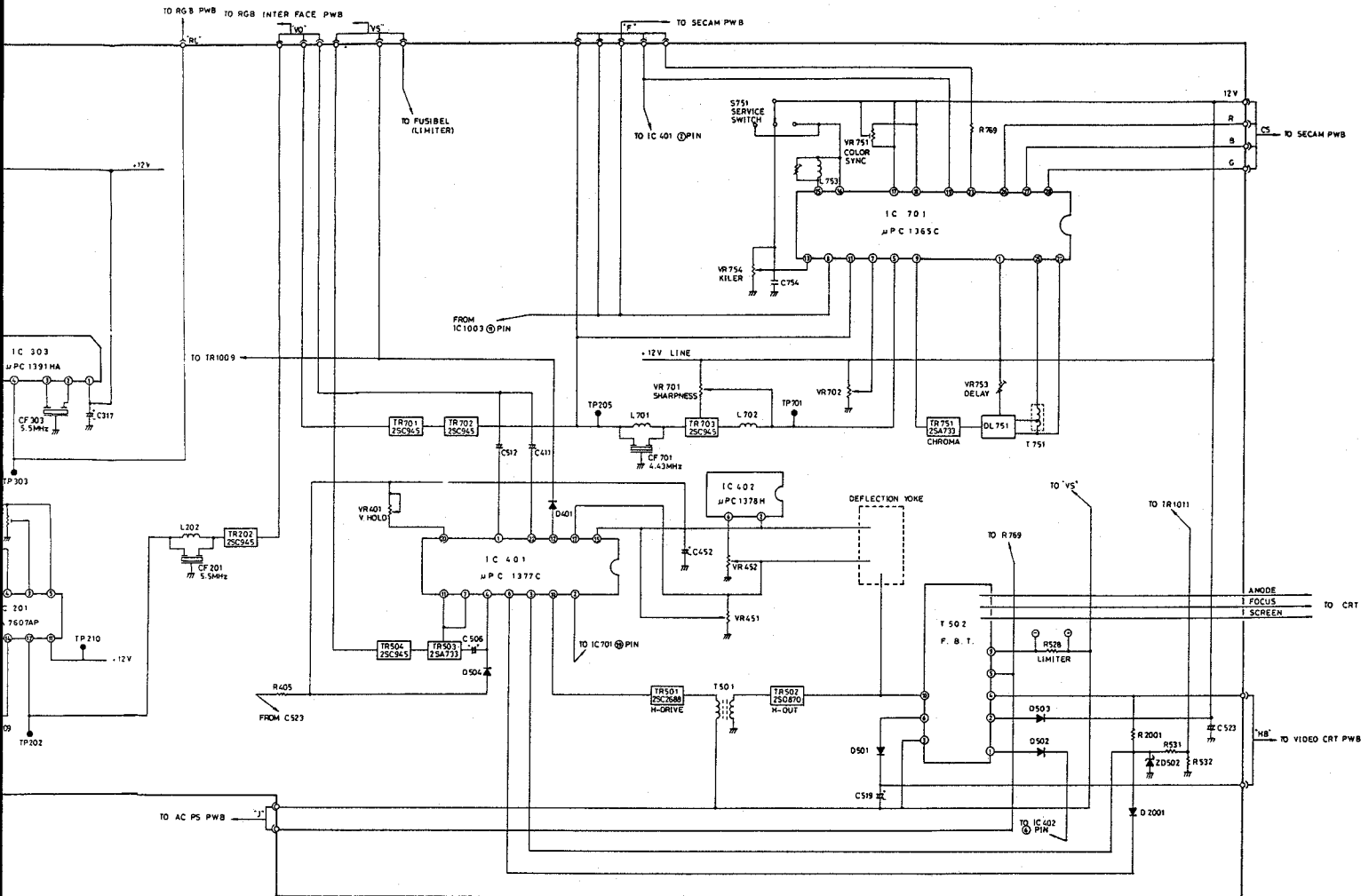
TO AC PS 1

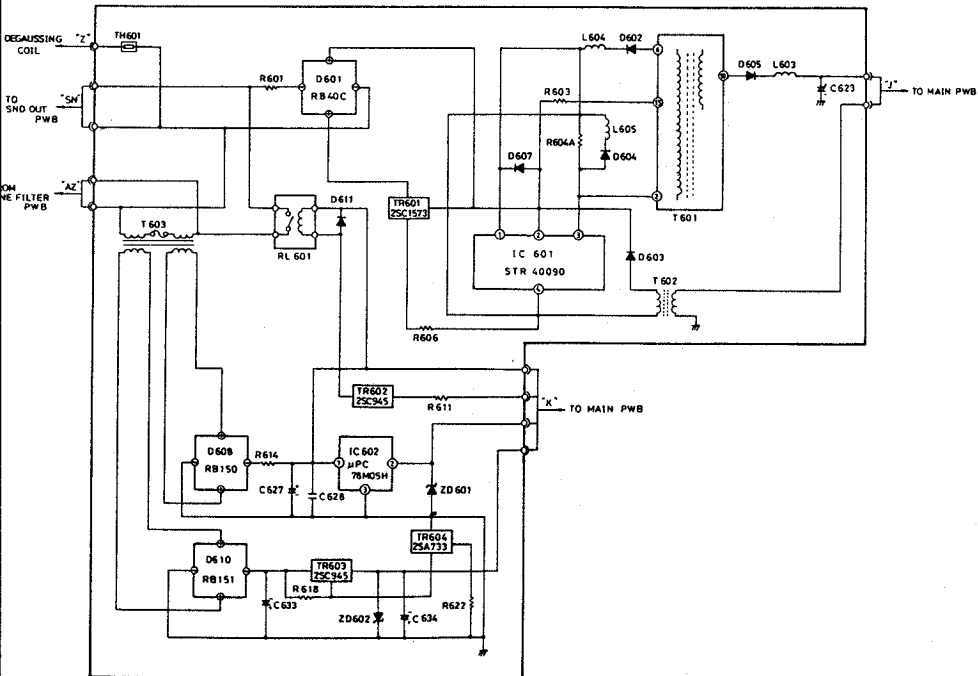
## BLOCK DIAGRMS



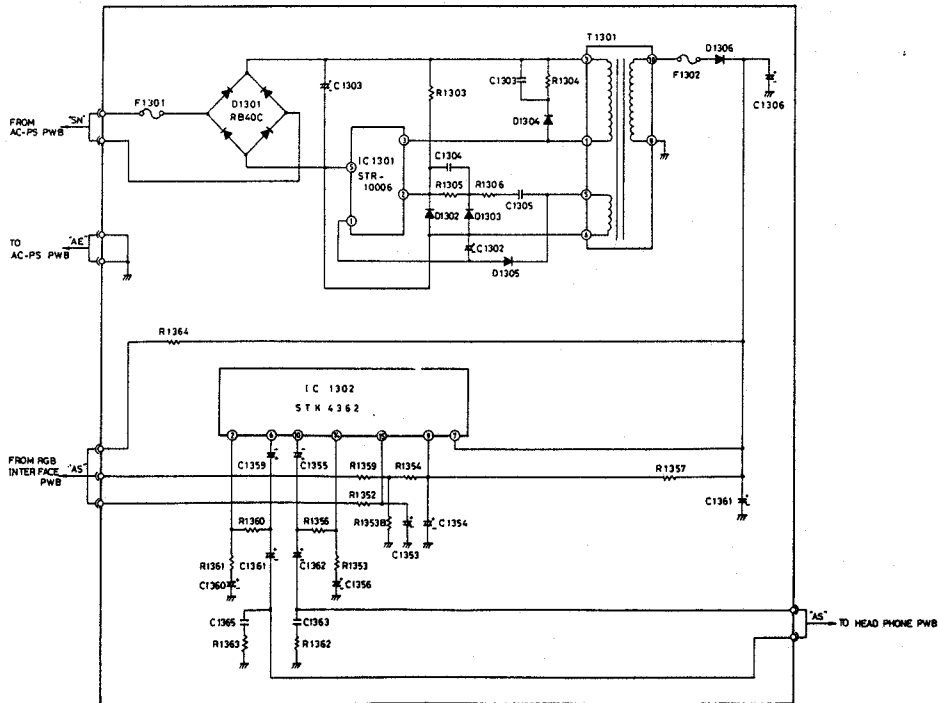


## CK DIAGRAMS

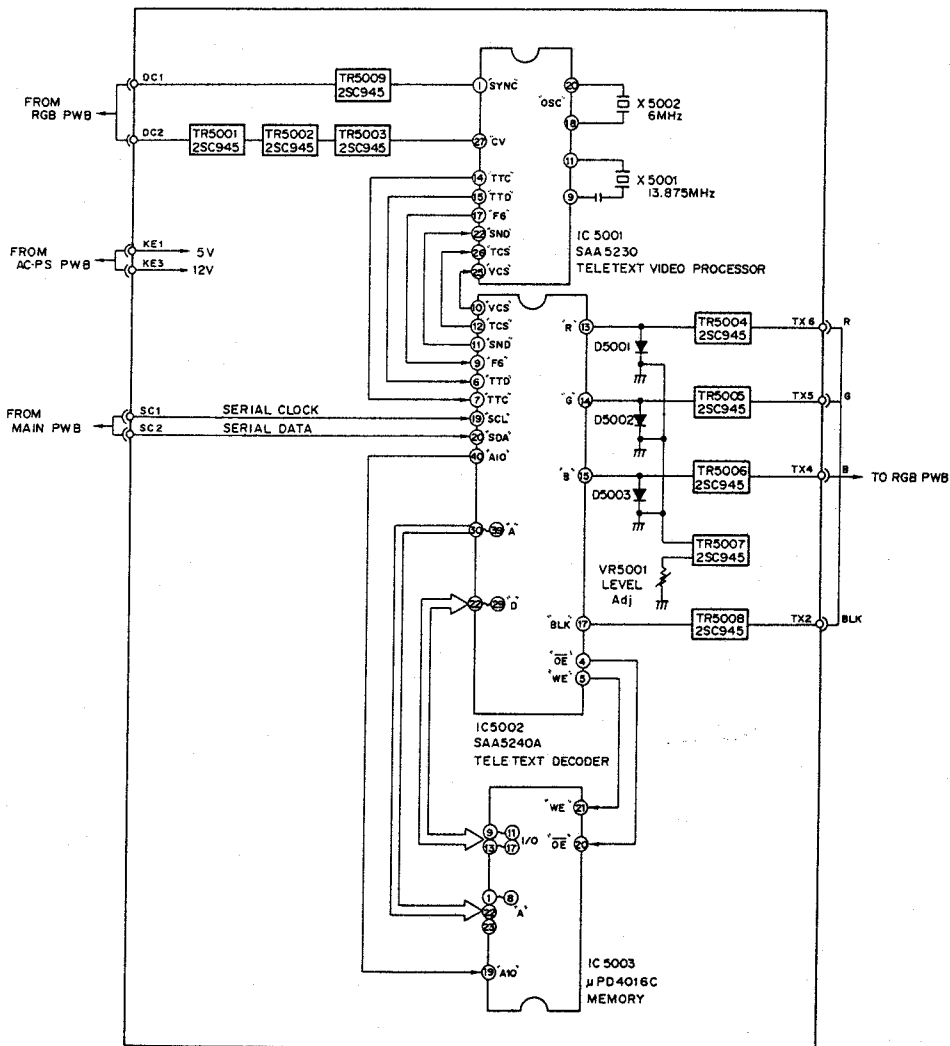




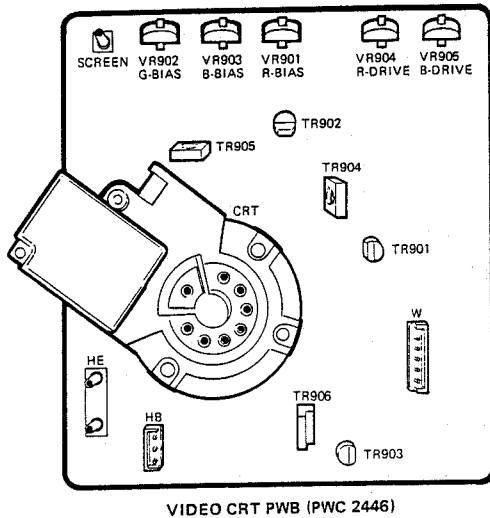
# SOUND OUT PWB (PWC 2468)



# TELETEXT CONVERTER PWB (PWC 2446)



# ADJUSTMENT PROCEDURE



Note: Allow ten minutes warm-up before attempting adjustment procedure.

## Power Source Section

Confirmation of +B2 (115VDC)

- (1) Plug the power cord into a 240V AC main power supply.
- (2) Feed in a monoscope pattern signal (or equivalent signal), set the CONTRAST and BRIGHTNESS to the maximum positions and volume to the minimum position.
- (3) Connect a voltmeter to J1 terminal and ground.
- (4) Confirm that the voltage is  $115.0 \pm 1.5\text{VDC}$ .

Confirmation of high voltage

- (1) Set the BRIGHTNESS and CONTRAST to the maximum positions.
- (2) Confirm that the high voltage is  $26.5\text{kV} \pm 1.0\text{kV}$ .

## Focus Control Adjustment

- (1) Feed in a monoscope pattern signal (or equivalent signal), set fine tuning to obtain an optimum picture.
- (2) Set the BRIGHTNESS to the optimum position and CONTRAST to the maximum position.
- (3) Adjust the FOCUS VR to obtain optimum focus at the center of the screen.

## Sub Brightness Control Adjustment

- (1) Feed in a monoscope pattern signal (or equivalent signal).
- (2) Set the BRIGHTNESS VR to the maximum position and CONTRAST VR to the minimum position.
- (3) Adjust VR6001 (SUB BRIGHTNESS on the RGB INTERFACE PWB) to obtain a 1.1 mA reading on the ammeter.

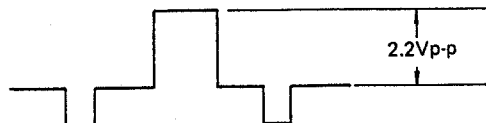
## PICTURE

### White Balance Adjustment

- (1) Feed in a monoscope pattern signal (or equivalent signal) and set the BRIGHTNESS and CONTRAST to the minimum position.
- (2) Set VR904 (R. DRIVE), VR905 (B. DRIVE), VR901 (R. BIAS), VR902 (G. BIAS) and VR903 (B. BIAS) to the mechanical center positions.
- (3) Set the SCREEN VR to the minimum position, and set TP401 to ground through a jumper lead. The raster will be replaced by a horizontal line.
- (4) Adjust VR6001 (SUB BRIGHTNESS on the RGB INTERFACE PWB) so that the voltage at the G-cathode of the CRT is 160 VDC.
- (5) Turn the SCREEN VR clockwise until the first coloured horizontal line is barely visible on the screen.
- (6) Turn fully counterclockwise the associated BIAS VR of the colour which appears.
- (7) Turn the SCREEN VR to obtain a barely visible horizontal line of another colour on the screen. Turn the associated BIAS VR fully counterclockwise.
- (8) Again adjust the SCREEN VR to obtain the barely visible horizontal line of the remaining colour. But leave the associated BIAS VR at its mechanical center.
- (9) Turn the other two BIAS VRs clockwise to obtain a white horizontal line.
- (10) Remove the jumper lead from TP401 and adjust white balance with the R. and B. DRIVE VRs.
- (11) Adjusting the BRIGHTNESS and CONTRAST, check the tracking of white balance. If necessary repeat steps (1) to (10).

### Sub-Contrast (VR701) Adjustment

- (1) Feed in a standard colour bar signal (or equivalent signal).
- (2) Set the COLOUR control and BRIGHTNESS control to the minimum position and CONTRAST control to the maximum position.
- (3) Connect an oscilloscope to terminal "W2" on VIDEO/CRT PWB.
- (4) Adjust Sub-CONTRAST (VR701) control so as to obtain the waveform as shown in the Fig. below.



## RF VIF

### Video IF Sweep Alignment

- (1) Connect a 39.5 MHz signal generator to the VIF input terminal through the pad shown in Fig. 1a. Set its accuracy within  $\pm 10$  kHz and output level to 90 dB $\mu$  or thereabout.

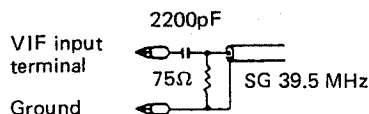


Fig. 1a

- (2) Connect the AGC bias control shown in Fig. 1b. to TP201 (pin 14 of IC201) and adjust IF AGC bias to 8V. (IF GAIN attenuation is approx. -26dB).

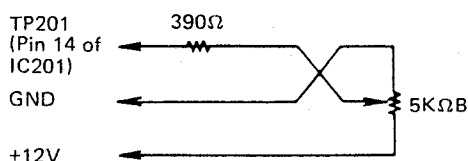


Fig. 1b

- (3) Connect a DC voltmeter (15VDC) to TP202, and turn T201 until the indication of the voltmeter is minized.

### AFT Adjustment

Connect the voltmeter to AFT terminal of the tuner. Turn T202 to be sure that the indicating hand deflects by about 3 volts upward and downward from the 6.5 volt mark, and set T202 so that the voltmeter indicates the same value as when there is no signal.

### RF AGC Adjustment

- (1) Feed in a 60  $\mu$ dBV standard colour bar signal (peak value, 75-ohm load), set fine tuning to obtain an optimum picture and set the memory mode (i.e., not in preset mode).
- (2) Adjust VR201 (RF AGC) to obtain a 7.0VDC reading at tuner AGC terminal.
- (3) Increase the input signal level to 63  $\mu$ dB and make sure that the AGC voltage drops.

## TELETEXT SECTION

### PLL Adjustment

- (1) Feed in video signal with a teletext signal.
- (2) Connect an I<sup>2</sup>C Bus control signal.
- (3) Set to the TEXT mode. Connect the signal from pin 25 (VCS) of IC5001 to channel 1 of an oscilloscope. Connect the signal from pin 28 (TCS) of IC5001 to channel 2 (CHOP MODE, TRIGGER CH1).
- (4) Adjust CT5001 so the synchronization of the two signals is as shown on the right.

## ON SCREEN

### Display Position Adjustment

- (1) Feed in a complete pattern signal (or equivalent).
- (2) Push the CH-CALL button and confirm the CH No on the screen.
- (3) Adjust VR1001 so the display is as shown in the diagram below.

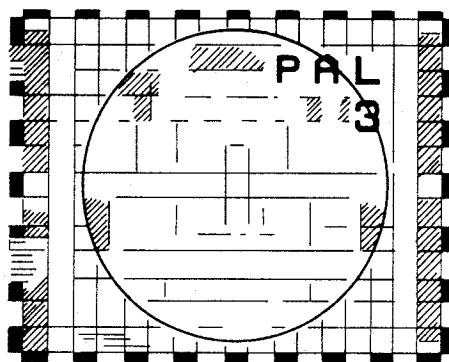


Fig. 2a

### CHARACTER Brightness Adjustment

- (1) Connect an oscilloscope to pin 13 of IC6006.
- (2) Push the CH-CALL button and confirm the on-screen display.
- (3) Adjust VR6003 to obtain 300mVp-p  $\pm$  20mV and the waveform shown below.

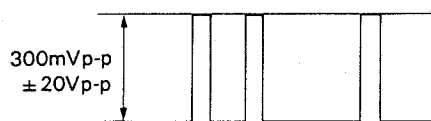


Fig. 2b

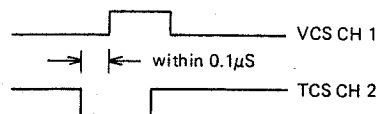
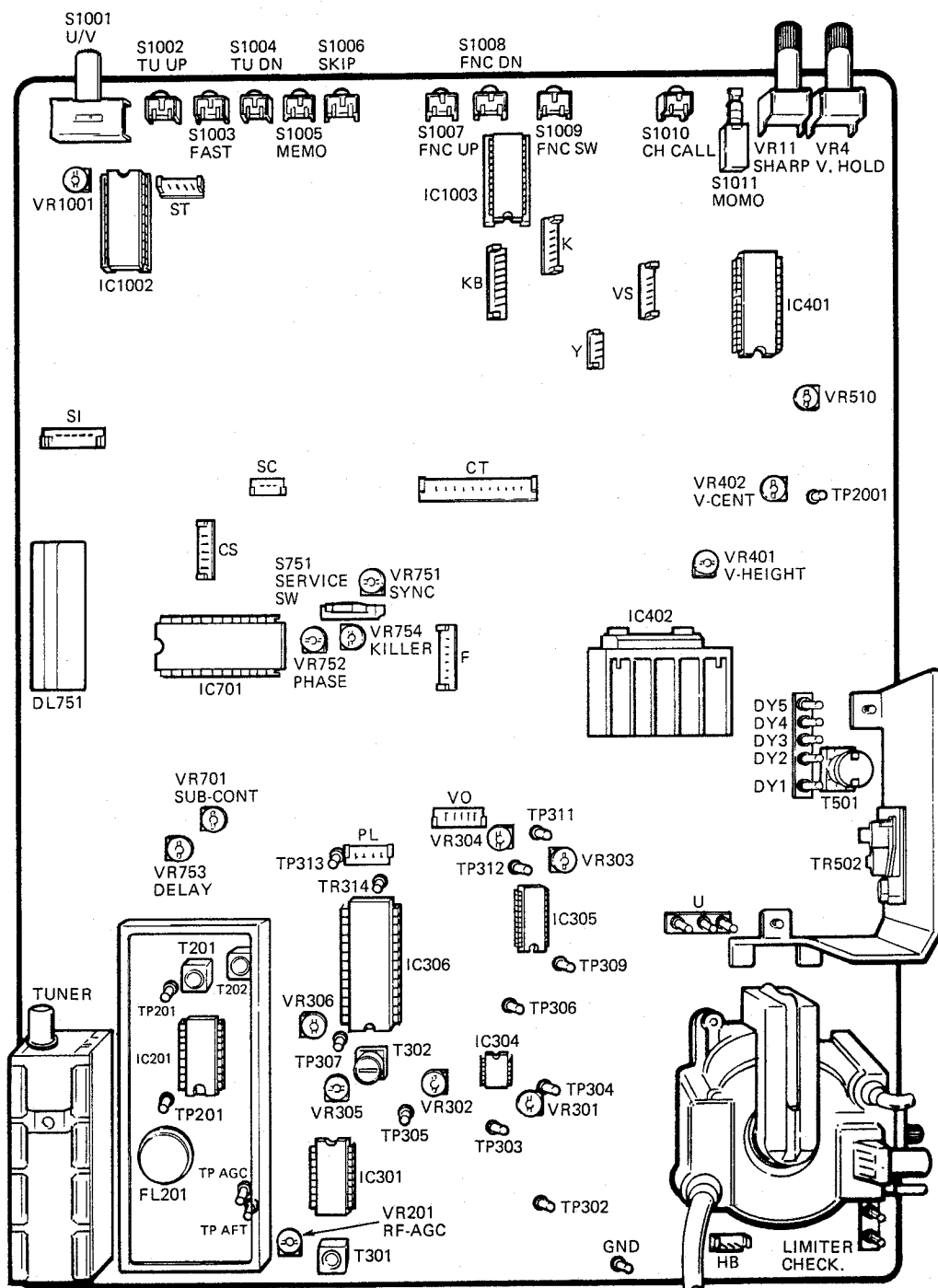


Fig. 3

### RGB Output Level Adjustment

Connect an oscilloscope to connector TX6, and adjust VR5001 so the output level is 0.5 Vp-p.



## HORIZONTAL AND VERTICAL

### Sub Horizontal Hold Adjustment

- (1) Feed in a monoscope pattern signal (or equivalent signal).
- (2) Connect a 100 $\mu$ F condenser to pin 1 of IC401.
- (3) Adjust VR501 (H. HOLD) so that the pattern center is positioned at the mechanical center of the CRT.

### Vertical Synchronization Adjustment

Adjust VR - 4 (V. HOLD) to the center of the vertical synchronizing pull-in range.

### Vertical Amplitude Adjustment

Feed in a complete pattern signal (or equivalent signal) and adjust VR401 (V. HEIGHT) to obtain a proper circle.

### Vertical Centering Position Adjustment

- (1) Feed in a complete pattern signal (or equivalent signal)
- (2) Adjust VR402 (V-CENT) to obtain a proper position.

## PAL CHROMA

### Colour Sync Adjustment

- (1) Feed in a PAL standard colour bar signal and set the fine tuning to obtain an optimum picture (i.e. not in preset mode).
- (2) Set S751 to ADJUST position and adjust VR751 (COLOUR SYNC) until the colour bar pattern is synchronized.
- (3) Return S751 to NORMAL position.

### Delay Line Adjustment (To be done after Colour Sync Adjustment)

- (1) Feed in a PAL "DEM" signal (Philips Model PM5509).
- (2) Set the time tuning to obtain an optimum picture position (i.e. not in preset mode) and the COLOUR to the maximum position.
- (3) Connect an oscilloscope (0.5 V/cm range) to WS1 terminal (R-Y) demodulator output) via the pad shown in Fig. 4b.
- (4) Turn T751 so as to adjust the first bars of each line to the same height. Confirm that core of transformer is not set too far toward the end.

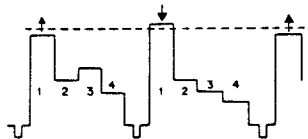


Fig. 4a T751 Adjustment

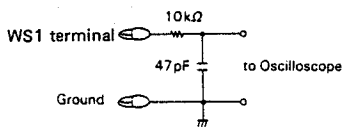
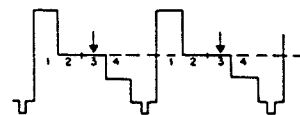


Fig. 4b Chroma Pad

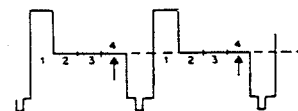
- (5) Adjust VR753 (DELAY) to align the third bars to the same height.

Fig. 5a VR753 Adjustment



- (6) Adjust VR752 (PHASE) to align the fourth bars to the same height.

Fig. 5b Waveform after Adjustment



- (7) Reduce setting of the BRIGHTNESS to confirm that there is no hangover blind.
- (8) If necessary, repeat steps (4) to (6).

### Colour Killer Adjustment

- (1) Feed in a monoscope pattern signal (or equivalent signal) and set the preset mode, then set fine tuning toward higher frequency until sound bars appear on the screen.
- (2) Adjust VR754 (KILLER) until colour noise disappears.
- (3) Set the memory mode and make sure that no colour noise is observed on the screen.
- (4) Feed in a 30 dBμ input colour bar signal and make sure that colour appears correctly.

## AUDIO/VIDEO INTERFACE SECTION

### Video Signal Output Level Adjustment

- (1) Feed in a standard colour-bar signal (or equivalent signal).
- (2) Connect an oscilloscope to Video Output terminal.
- (3) Adjust VIDEO OUTPUT level control (VR6002) so as output voltage obtain is 2Vp-p.

### RGB Demodulator Signals Adjustment

- (1) Feed in a standard colour-bar signal (or equivalent signal).
- (2) Set the Color Control and BRIGHTNESS Control to their minimum position.
- (3) Connect an oscilloscope to pin 1 of IC6007 on the RGB PWB.
- (4) Adjust the CONTRAST Control (on the MAIN PWB) so as output voltage obtain is 0.5Vp-p.

### Sub-Colour (VR755) Adjustment

- (1) Feed in a standard colour bar signal (or equivalent signal).
- (2) Set the COLOUR control to the maximum position and Sub-CONTRAST control to the minimum position.
- (3) Connect the external capacitor (100μF/25D) between pin 5 of IC701 and ground (The luminance signal will erase).
- (4) Connect an oscilloscope to pin 26 of IC701 and adjust Sub-Colour control (VR 755) so as to obtain a red output level of 0.6Vp-p.

## SOUND PROCESS

### 1. Detector Coil Adjustment (T301-38.9 MHz)

- (1) Feed in a 38.9 MHz output level to 90 dB generator signal to the TUNER IF output terminal.
- (2) Connect the AGC bias Control to pin 14 of IC301.
- (3) Connect a high impedance voltmeter to TP301 and adjust AGC bias Control to obtain a 6VDC reading at TP301.
- (4) Adjust T301 to obtain a minimum voltage at TP301.



# PURITY AND CONVERGENCE ADJUSTMENT

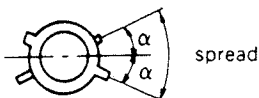
Allow 10 minutes minimum warm-up time.

## Purity Adjustment

- (1) Degauss the CRT with degausser.
- (2) Feed in a monoscope pattern signal.
- (3) Check whether the static magnets are fixed in the correct position as shown in Fig. 6 and whether (a) purity magnet, (b) 4-pole magnet and (c) 6-pole magnet fingers are at the positions indicated in Fig. 7.

**Note:** When the 4-pole and 6-pole magnet fingers are lined up correctly, the magnetic field is "zero" and R.G.B. static convergence should be close. If off, perform rough convergence adjustment before proceeding to the later adjustment.

- (4) Disconnect "CS1" connector chip on the MAIN PWB to obtain magenta color (R & B).
- (5) Loosen the deflection yoke set screw and pull the yoke backward.
- (6) Spread out the two fingers of the purity magnet for the same angle from their original horizontal positions until a magenta vertical stripe appears in the centre of the screen.



- (7) While watching the screen, move the deflection yoke forward until optimum purity position is obtained, then tighten deflection yoke setscrew lightly. If the deflection yoke tends to bow down, insert a spare wedge from top of the yoke flare mouth.
- (8) Reconnect "CS1" connector chip and check for even white screen. If even white color is not obtained, repeat steps (4) to (8).
- (9) Connect the jumper lead between TP401 and the ground to obtain a horizontal line on the screen. If the horizontal line is tilted, rotate the deflection yoke until the horizontal line is positioned within  $\pm 5$  mm from the geometrical centre of the screen. If the horizontal line is not positioned as above, rotate the purity magnet (while maintaining the preset angle between the fingers) until the horizontal line is positioned within the tolerance.

**Note:** During this adjustment, the V.CENT VR must be set to the centre position.

- (10) Remove the jumper lead and confirm purity of entire screen area.
- (11) If necessary, repeat steps (4) to (10).
- (12) Tighten the deflection yoke setscrew at 14 kg-cm torque.
- (13) After completing the purity adjustment, adjust CRT focus to obtain an optimum picture. Adjust focus on the monoscope pattern with maximum contrast and brightness to obtain optimum focus at third and fourth focus contrast chart zones. (Refer to Fig. 8.)

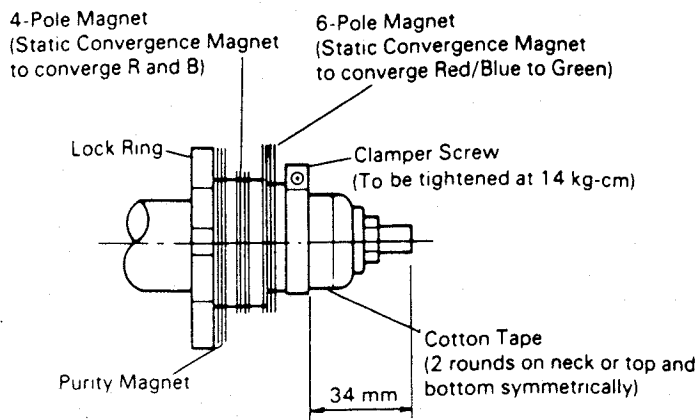


Fig. 6 Static Magnets

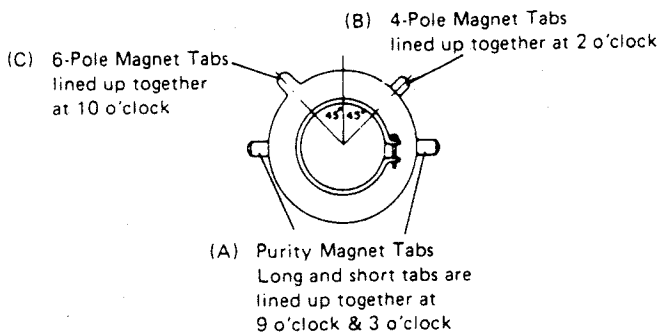


Fig. 7 Static Magnet Positions  
(Viewed from Rear of CRT)

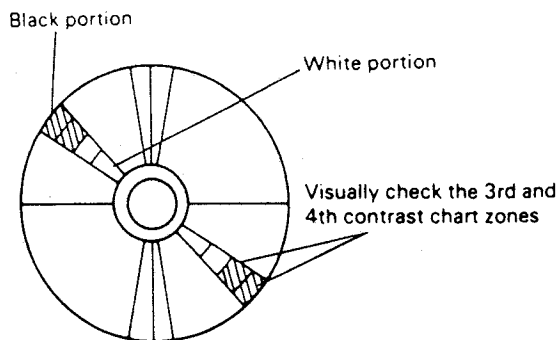
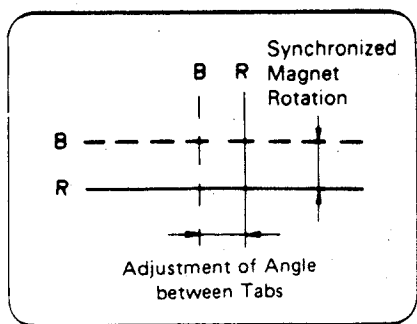
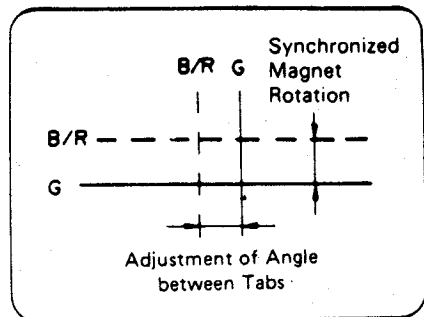


Fig. 8 Focus Adjustment



4-Pole Magnet for R & B



6-Pole Magnet for B/R & G

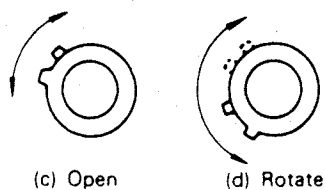
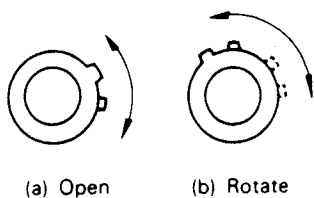


Fig. 9 Static Convergence Adjustment

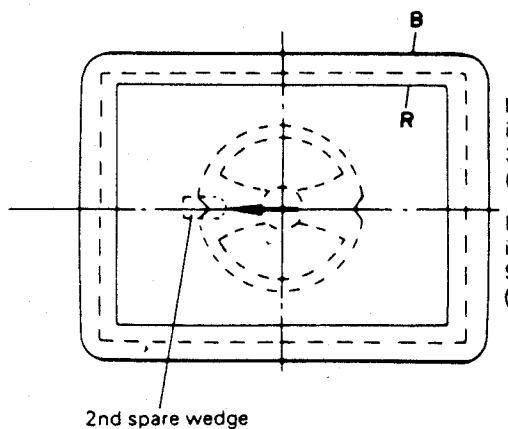
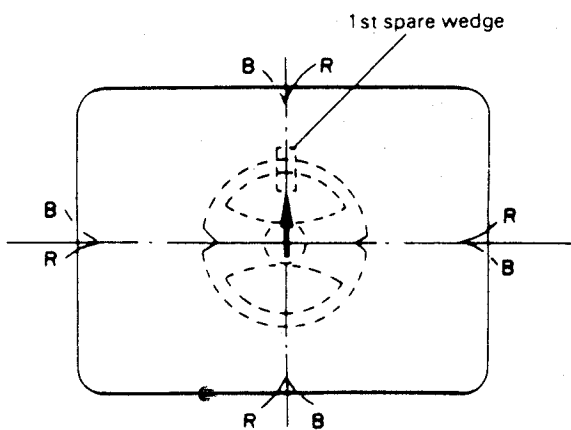


Fig. 10 Dynamic Convergence Adjustment  
(Front View)

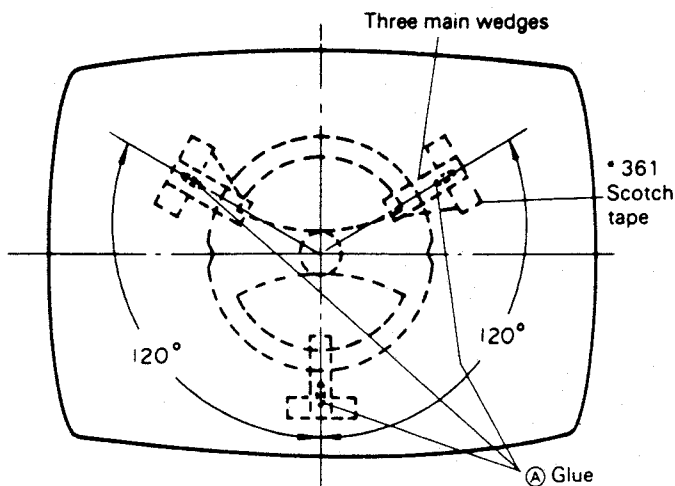


Fig. 11 Mounting the Wedge

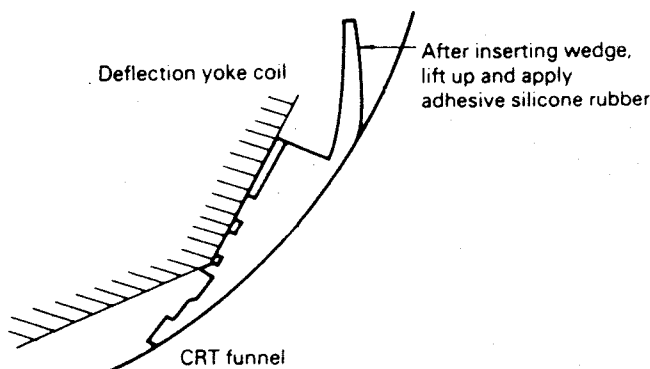


Fig. 12 Deflection Yoke Fixing Method

### Static Convergence Adjustment

- (1) Feed in a crosshatch pattern signal and adjust the CONTRAST and BRIGHTNESS to minimize the black portion of the pattern.
  - (2) Disconnect "CS3" connector chip on the MAIN PWB to obtain only red and blue on the screen.
  - (3) Spread out the two fingers of the 4-pole magnets until the red and blue vertical stripes converge in the centre of the screen. (Refer to Fig. 9 (a).)
  - (4) Next, with the same fingers spread, rotate the two fingers of the 4-pole magnets together until the red and blue horizontal stripes converge in the centre of the screen. (Refer to Fig. 9 (b).)
- If this operation causes the converging vertical stripes to get out of alignment, change the angle of fingers to

- (5) Reconnect "CS3" connector chip to obtain red, green and blue on the screen.
  - (6) Spread out the two fingers of the 6-pole magnets until the red/blue and green vertical stripes converge in the centre of the screen. (Refer to Fig. 9 (c).)
  - (7) Next, with the same fingers spread, rotate the two fingers of the 6-pole magnets together until the red/blue and green horizontal stripes converge in the centre of the screen. (Refer to Fig. 9 (d).)
- If this operation causes the converging vertical stripes to get out of alignment, change the angle of fingers to obtain fine adjustment.
- (8) After completion of the above adjustments, red/blue and green should converge in the centre of the screen. If not, repeat steps (2) through (7).

### Dynamic Convergence Adjustment

**Note:** Wedges should be fixed at 120° intervals.

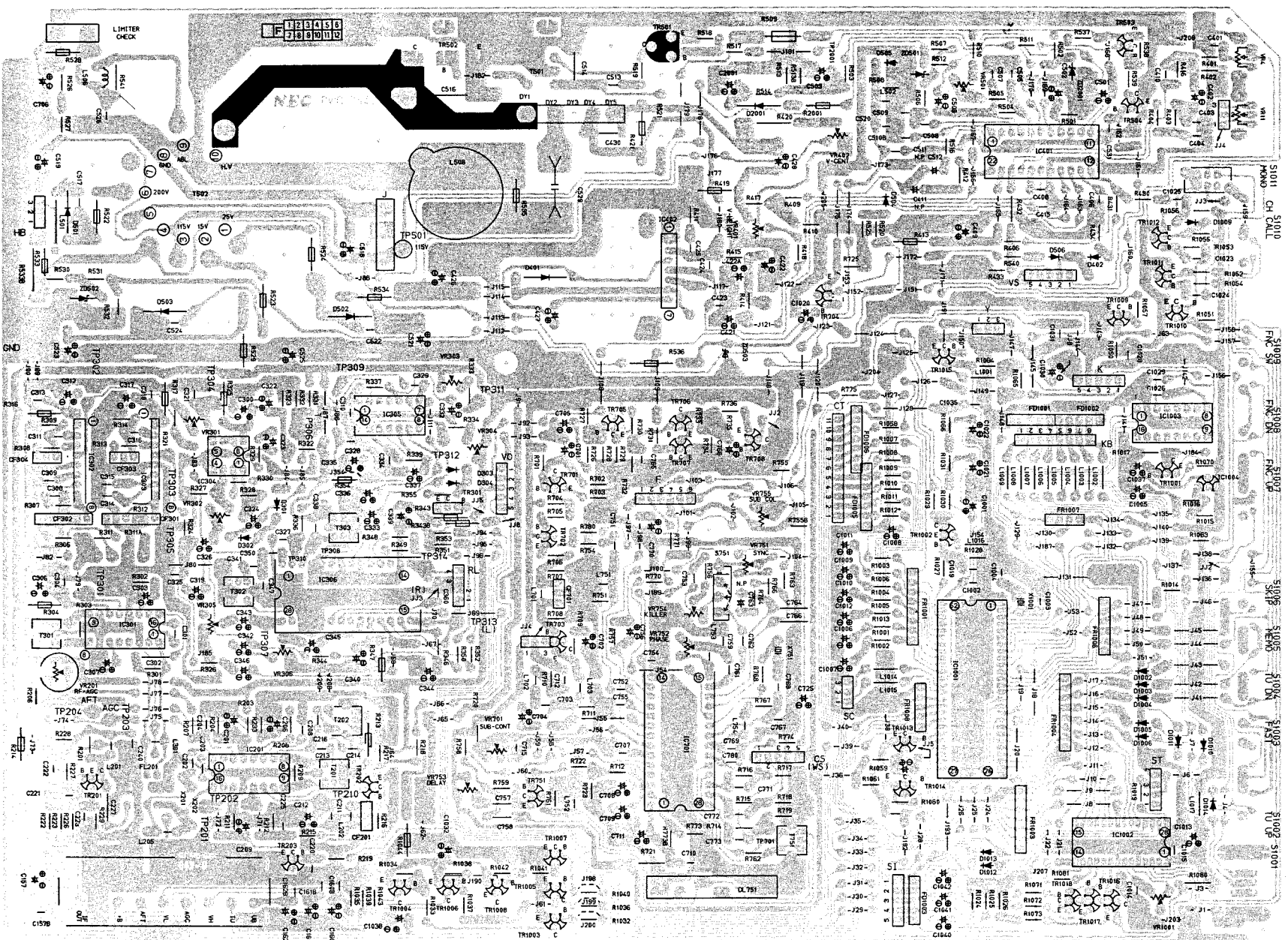
- (1) Insert the first spare wedge directly on the top of the deflection yoke flare to minimize misconvergences of red and blue vertical stripes at the top and bottom centre, and also red and blue horizontal stripes at the right and left centre of the screen. (Refer to Fig. 10.)
- (2) If the blue at the outer extremities of the screen is now outside the red as shown in Fig.10 , insert the second spare wedge at the 3 o'clock position (viewed from the rear) and adjust the angle of the yoke for best convergence.
- (3) If the blue at the outer extremities of the screen is inside the red, insert the second spare wedge at the 9 o'clock position and adjust the angle of the yoke for best convergence.
- (4) Insert the main wedge directly below deflection yoke flare and insert second and third main wedges spaced 120° apart.
- (5) Remove the spare wedges and insert main wedges forcefully without changing deflection yoke angle after adjustments.
- (6) Confirm convergence of entire screen area.

### Deflection Yoke Fixing Method

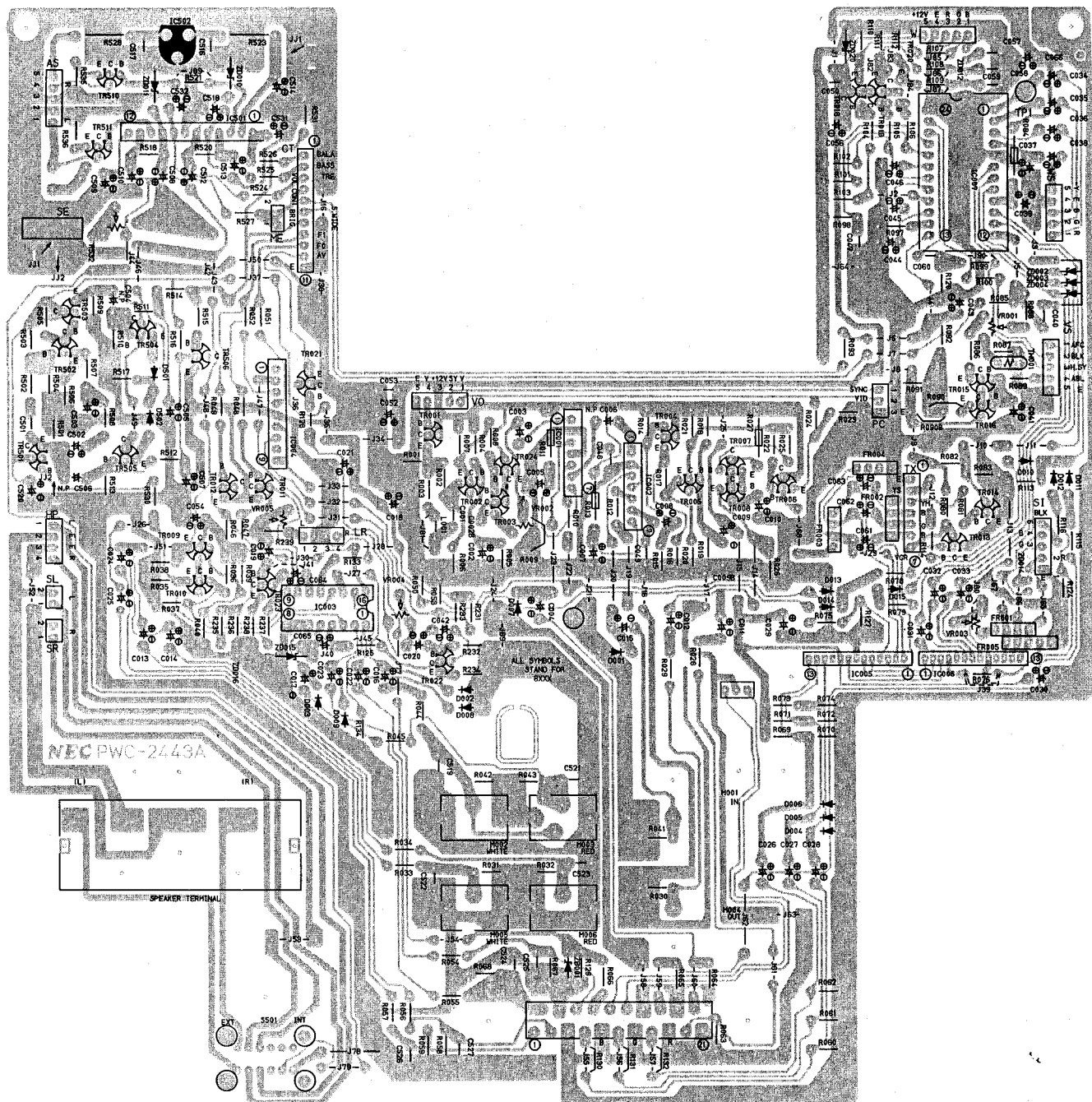
- (1) Before inserting the main wedges, apply No. 3145 RTV silicone rubber to the place where the main wedges will contact the deflection yoke coil. (Refer to Fig.12 .)
- (2) Insertion pressure of wedges should be more than 10 kg.
- (3) Apply adhesive (No. 3145 RTV silicone rubber) between the wedge and the CRT funnel (refer to Fig.11 and Fig. 12.), and then use Scotch tape No. 361 to cover any open spaces.
- (4) Apply paint lock to the static magnets and the deflection yoke setscrew.

**MAIN PWB (PWC 2441)**

**Solder Side —**

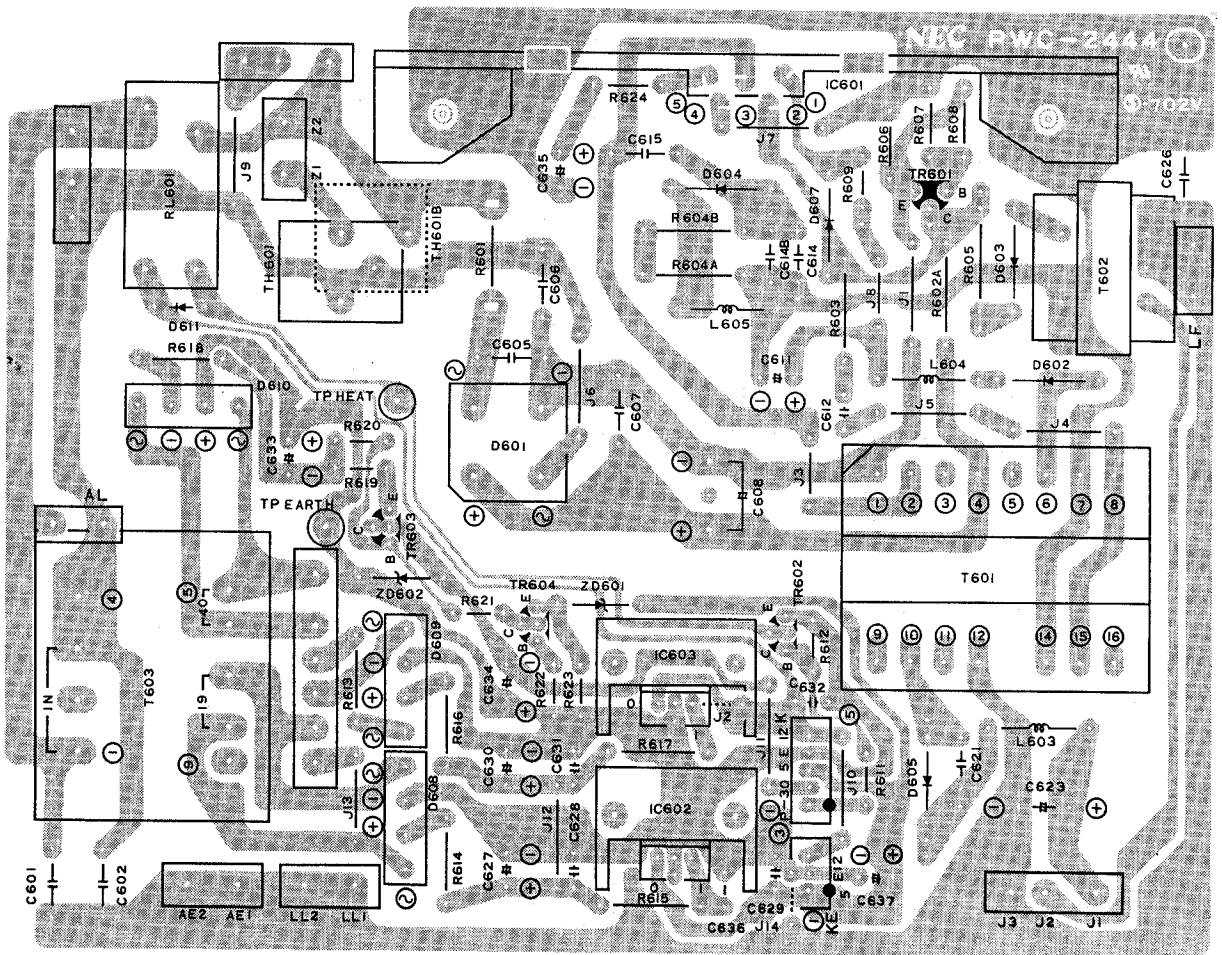


— Solder Side —



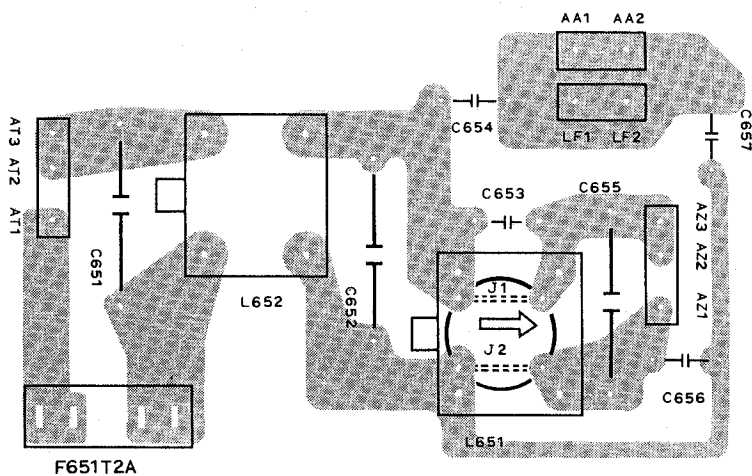
# AC-PS PWB (PWC 2444)

— Solder Side —

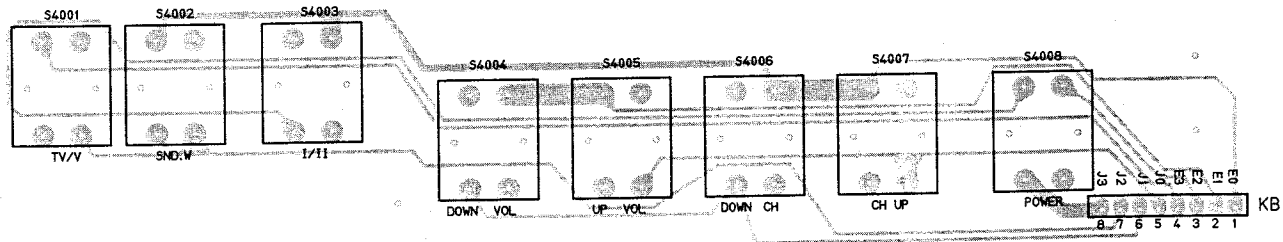


# LINE FILTER PWB (PWC 2508)

— Solder Side —



— Solder Side —



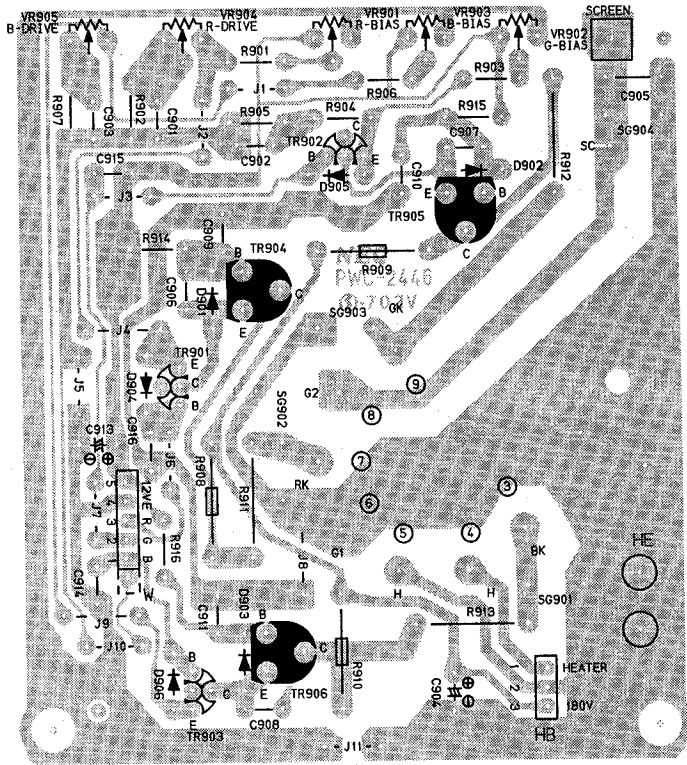






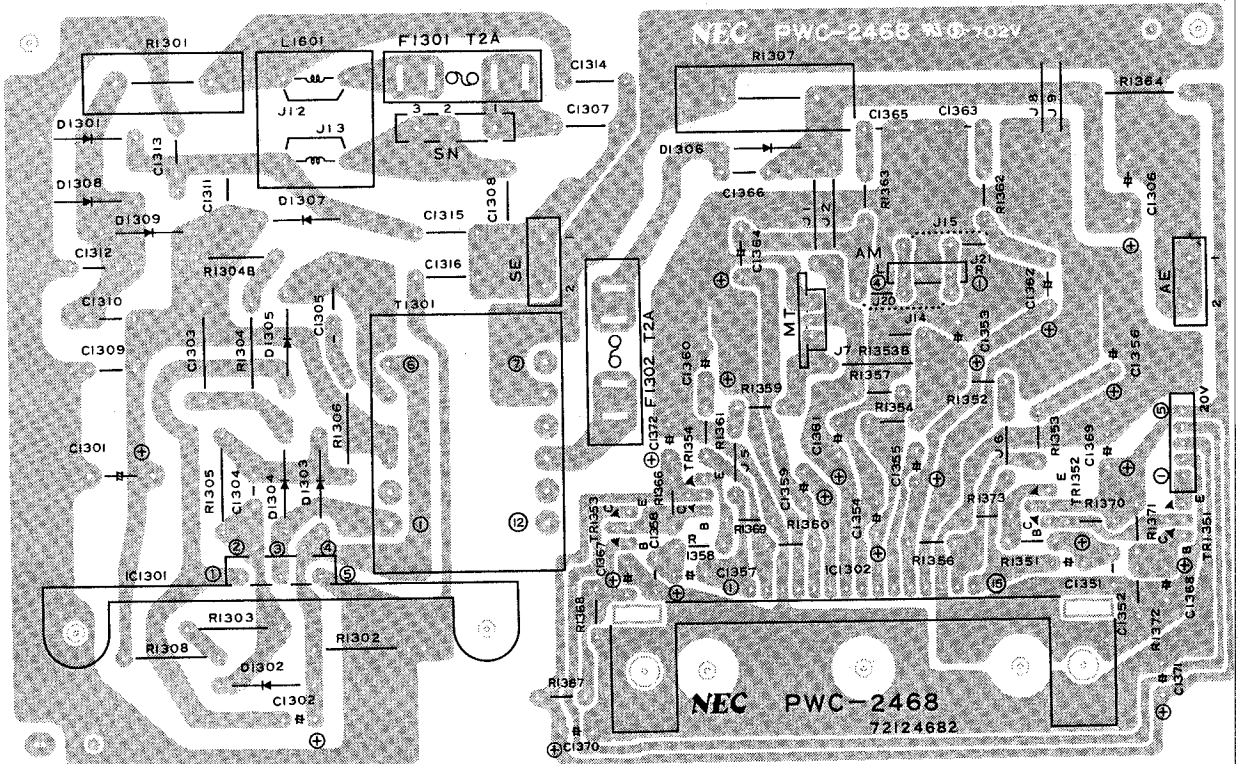
# VIDEO CRT PWB (PWC 2446)

— Solder Side —



# SND OUT PWB (PWC 2468)

— Solder Side —



# REPLACEMENT PARTS LIST

## Notes:

1. Parts orders must contain model name, parts number and description.
2. When you place an order for spare parts, please refer to the respective service manual and mention the right parts number on your P.O. Sheets.
3. Standard resistors, capacitors and coils which are normally available from local electronics suppliers are not stocked in our warehouse.

4. The quantity of spare parts mentioned in this list is for one set.
5. The components identified by a  $\Delta$  mark or with the symbol Nos. shaded are critical for safety. Replace only with parts number specified.

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

TUNER	$\Delta$ 33021013	CRT-A51JAR60X (VMW)	1
	34333341	TUNER, UHF VARACTOR	1

### \*\*\* ICS \*\*\*

IC1001	37058145	MOS MN15284KNH-1 (V/S)	1
IC1002	37058104	MOS MN1297NHE (CRT DIS)	1
IC1003	37058123	MOS MN1226N (EARM)	1
IC1004	37056018	IC PST518A	1
$\Delta$ IC1301	37005075	IC STR10006 (REG)	1
IC1302	37001076	IC STK4362 (AMP)	1
IC201	37007011	IC TA7607AP (VIF)	1
IC301	37007011	IC TA7607AP (VIF)	1
IC303	37001070	IC UPC1391HA (SIF DET)	1
IC4001	37011077	IC UPC1473HA (AMP)	1
IC401	37009016	IC UPC1377C (HORI)	1
IC402	37006009	IC UPC1378H (V. OUT)	1
IC5001	37058124	IC SAA5230 (VIP2)	1
IC5002	37058125	IC SAA5240A (EURO CCT)	1
IC5003	37051477	MOS UPD4016C-2 (S-RAM)	1
IC6001	37011041	IC TA7347P (VIDEO SW)	1
IC6002	37011041	IC TA7347P (VIDEO SW)	1
IC6003	37053002	MOS UPD4052BC (MPX) (ESD)	1
IC6004	37011039	IC LA7910 (BAND SW)	1
IC6005	37011089	IC AN5862K (ANALOG-SW)	1
IC6006	37011089	IC AN5862K (ANALOG-SW)	1
IC6007	37011088	IC TA7730P (RGB-IF)	1

For Service Manuals Contact  
MAURITRON TECHNICAL SERVICES  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
Tel: 01844-351694 Fax: 01844-352554  
Email: enquiries@maurifron.co.uk

SYMBOL	PARTS NO	DESCRIPTION	QTY
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$\Delta$ IC601	37005058	IC STR40090 (REG)	1
$\Delta$ IC602	37011026	IC UPC78C5H (REG)	1
$\Delta$ IC603	37005048	IC UPC7812H	1
IC6501	37001059	IC AN5836 (DC-CONT)	1
IC6502	37005011	IC UPC78M12H (REC)	1
IC701	37003015	IC UPC1365C	1

### \*\*\* TRANSISTORS \*\*\*

TR1001	35160500	TR, AN1A4M-T	1
TR1002	35058011	TR, 2SC2352 K	1
TR1009	35007217	TR, 2SC945-T Q	1
TR1010	35007217	TR, 2SC945-T Q	1
TR1011	35007217	TR, 2SC945-T Q	1
TR1012	35007217	TR, 2SC945-T Q	1
TR1013	35160501	TR, AA1A4M-T	1
TR1014	35007217	TR, 2SC945-T Q	1
TR1016	35007217	TR, 2SC945-T Q	1
TR1017	35007217	TR, 2SC945-T Q	1
TR1018	35007217	TR, 2SC945-T Q	1
TR1351	35007216	TR, 2SC945-T P	1
TR1352	35007216	TR, 2SC945-T P	1
TR1353	35007216	TR, 2SC945-T P	1
TR1354	35007216	TR, 2SC945-T P	1
TR201	35053700	TR, 2SC2026	1
TR202	35007217	TR, 2SC945-T Q	1
TR203	35007217	TR, 2SC945-T Q	1
TR4102	35007216	TR, 2SC945-T P	1
TR5001	35007217	TR, 2SC945-T Q	1
TR5002	35007217	TR, 2SC945-T Q	1
TR5003	35007217	TR, 2SC945-T Q	1
TR5004	35007217	TR, 2SC945-T Q	1
TR5005	35007217	TR, 2SC945-T Q	1
TR5006	35007217	TR, 2SC945-T Q	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
TR5007	350D7217	TR,2SC945-T Q	1
TR5008	350D7217	TR,2SC945-T Q	1
TR5009	350D7217	TR,2SC945-T Q	1
TR501	35056312	TR,2SC2688 L	1
TR502	35066100	TR,2SD870	1
TR503	350K3517	TR 2SA733/2SA733A Q	1
TR504	350D7217	TR,2SC945-T Q	1
TR6001	350D7216	TR,2SC945-T P	1
TR6002	350D7216	TR,2SC945-T P	1
TR6004	350D7216	TR,2SC945-T P	1
TR6005	350D7216	TR,2SC945-T P	1
TR6006	350D7216	TR,2SC945-T P	1
TR6007	350D7216	TR,2SC945-T P	1
TR6008	350D7216	TR,2SC945-T P	1
TR6009	350D7216	TR,2SC945-T P	1
TR601	35058517	TR,2SC1573A Q	1
TR6010	350D7216	TR,2SC945-T P	1
TR6011	350D7216	TR,2SC945-T P	1
TR6012	350D7216	TR,2SC945-T P	1
TR6013	350D7216	TR,2SC945-T P	1
TR6015	350D7216	TR,2SC945-T P	1
TR6016	350D7216	TR,2SC945-T P	1
TR602	35053213	TR,2SC2002 M	1
TR6021	350K3517	TR 2SA733/2SA733A Q	1
TR6024	350D7216	TR,2SC945-T P	1
TR603	35047216	TR,2SC945 P	1
TR604	35003516	TR,2SA733/733A P	1
TR6501	350D7216	TR,2SC945-T P	1
TR6502	350D7216	TR,2SC945-T P	1
TR6503	350D7216	TR,2SC945-T P	1
TR6504	350D7216	TR,2SC945-T P	1
TR6505	350D7216	TR,2SC945-T P	1
TR6506	350D7216	TR,2SC945-T P	1
TR6510	350D7216	TR,2SC945-T P	1
TR6511	350D7216	TR,2SC945-T P	1
TR701	350D7217	TR,2SC945-T Q	1
TR702	350D7217	TR,2SC945-T Q	1
TR703	350D7217	TR,2SC945-T Q	1
TR751	350K3517	TR 2SA733/2SA733A Q	1
TR901	350D7216	TR,2SC945-T P	1
TR902	350D7216	TR,2SC945-T P	1
TR903	350D7216	TR,2SC945-T P	1
TR904	35084401	TR,2SC3063-RL	1
TR905	35084401	TR,2SC3063-RL	1
TR906	35084401	TR,2SC3063-RL	1

\*\*\* DIODES \*\*\*

D1002	360K1027	DIODE 1SS132	1
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SYMBOL	PARTS NO	DESCRIPTION	QTY
D1003	360K1027	DIODE 1SS132	1
D1004	360K1027	DIODE 1SS132	1
D1005	360K1027	DIODE 1SS132	1
D1006	360K1027	DIODE 1SS132	1
D1009	360K1027	DIODE 1SS132	1
D1010	360K1027	DIODE 1SS132	1
D1012	360K1027	DIODE 1SS132	1
D1013	360K1027	DIODE 1SS132	1
ΔD1301	361K7091	RECTIFIER,SI. RM11B	1
D1302	361K7160	RECTIFIER,SI. TVR-06G G23	1
D1303	361K7160	RECTIFIER,SI. TVR-06G G23	1
D1304	36107174	RECTIFIER,SI. RU1P	1
D1305	361K7160	RECTIFIER,SI. TVR-06G G23	1
D1306	36107521	RECTIFIER,SI. RL22	1
D1307	361K7091	RECTIFIER,SI. RM11B	1
D1308	361K7091	RECTIFIER,SI. RM11B	1
D1309	361K7091	RECTIFIER,SI. RM11B	1
D2001	361K7160	RECTIFIER,SI. TVR-06G G23	1
D401	361K7094	RECTIFIER,SI. SM-1A-02	1
D402	360K1027	DIODE 1SS132	1
D4101	36801152	DIODE,LIGHT-E SEL1321G-D	1
D4102	36801152	DIODE,LIGHT-E SEL1321G-D	1
D5001	360K1027	DIODE 1SS132	1
D5002	360K1027	DIODE 1SS132	1
D5003	360K1027	DIODE 1SS132	1
D501	361K7160	RECTIFIER,SI. TVP-06G G23	1
D502	36107175	RECTIFIER,SI. RH1S	1
D503	361K7160	RECTIFIER,SI. TVP-06G G23	1
D504	360K1027	DIODE 1SS132	1
D505	360K1027	DIODE 1SS132	1
D506	360K1027	DIODE 1SS132	1
D6001	360K1027	DIODE 1SS132	1
D6002	360K1027	DIODE 1SS132	1
D6003	360K1027	DIODE 1SS132	1
D6004	360K1027	DIODE 1SS132	1
D6005	360K1027	DIODE 1SS132	1
D6006	360K1027	DIODE 1SS132	1
D6007	360K1027	DIODE 1SS132	1
D6008	360K1027	DIODE 1SS132	1
D6009	360K1027	DIODE 1SS132	1
ΔD601	36108009	DIODE,RB-40C BRIDGE	1
D6010	360K1027	DIODE 1SS132	1
D6011	360K1027	DIODE 1SS132	1
D6012	360K1027	DIODE 1SS132	1
D6013	360K1027	DIODE 1SS132	1
D6014	360K1027	DIODE 1SS132	1
D6015	360K1027	DIODE 1SS132	1
D602	36107171	RECTIFIER,SI. EU-1Z	1
D603	36107168	RECTIFIER,SI. EH-1	1
D604	36107170	RECTIFIER,SI. RH-2D	1
D605	36107166	RECTIFIER,SI. RU-2	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
D607	36107168	RECTIFIER, SI.EH-1	1
ΔD6C8	36108003	DIODE, BRIDGE RB-150	1
ΔD609	36108003	DIODE, BRIDGE RB-150	1
ΔD61C	36108011	DIODE, RB-151 BRIDGE	1
D611	36001027	DIODE 1SS132	1
D6501	360K1027	DIODE 1SS132	1
D6502	360K1027	DIODE 1SS132	1
D901	360K1027	DIODE 1SS132	1
D902	360K1027	DIODE 1SS132	1
D903	360K1027	DIODE 1SS132	1
D904	360K1027	DIODE 1SS132	1
D905	360K1027	DIODE 1SS132	1
D906	360K1027	DIODE 1SS132	1
FD1001	36108031	DIODE ARRAY DAP401	1
FD1002	36108031	DIODE ARRAY DAP401	1
FD1003	36108031	DIODE ARRAY DAP401	1
FD1005	36108080	DIODE, NETWORK RD12EB*5A	1
FD1006	36108080	DIODE, NETWORK RD12EB*5A	1
FD6001	36108075	DIODE, NETWORK 13Z3NA	1
FD6003	36108075	DIODE, NETWORK 13Z3NA	1
PH4001	36803009	DIODE, PHOTO PH302B(1)	1
TH601	38112025	THERMISTOR, POSITIVE	1
ZD2001	360K3121	DIODE RD6.8EB(3)-T4	1
ZD5001	360K3122	DIODE, ZENER RD5.6EB(1)-T4	1
ZD5002	360K3122	DIODE, ZENER RD5.6EB(1)-T4	1
ZD501	360K3098	DIODE RD12EB(3)-T4	1
ZD502	360K3098	DIODE RD12EB(3)-T4	1
ZD503	360K3049	ZENER DIODE UPC574J-T	1
ZD6001	360K3100	DIODE RD5.1EB(2)-T4	1
ZD601	36003132	DIODE RD3.0EB2	1
ZD6010	360K3125	DIODE RD13EB(2)-T4	1
ZD6011	360K3125	DIODE RD13EB(2)-T4	1
ZD6015	360K3125	DIODE RD13EB(2)-T4	1
ZD6016	360K3125	DIODE RD13EB(2)-T4	1
ZD602	36003109	DIODE RD30EB(2)	1

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

ΔT1301	46308401	TRANS, CONVERTER	1
T501	46399007	TRANS, H.DRIVE	1
ΔT502	47105267	F.B.T	1
ΔT601	46310404	TRANS, CONVERTER	1
T602	45404801	TRANS, EARPHONE	1
ΔT603	45021821	TRANS, POWER 18V 0.25A	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
*** VARIABLE RESISTORS ***			
VR1001	41071211	R, VARIABLE B4.7K	1
VR11	41011336	R, VARIABLE B1K-H	1
VR201	41071211	R, VARIABLE B4.7K	1
VR4	41011332	R, VARIABLE B10K-H	1
VR401	41071205	R, VARIABLE B470H	1
VR402	41061511	R, VARIABLE B4.7K	1
VR5001	41085C59	R, VARIABLE B10K	1
VR501	41071210	R, VARIABLE B3.3K	1
VR6001	41071117	R, VARIABLE B47K	1
VR701	41071217	R, VARIABLE B47K	1
VR751	41071211	R, VARIABLE B4.7K	1
VR752	41071207	R, VARIABLE B1.0K	1
VR753	41071207	R, VARIABLE B1.0K	1
VR754	41071211	R, VARIABLE B4.7K	1
VR755	41071213	R, VARIABLE B10K	1
VR901	41085007	R, VARIABLE B3K	1
VR902	41085C07	R, VARIABLE B3K	1
VR903	41085007	R, VARIABLE B3K	1
VR904	41085C02	R, VARIABLE B200H	1
VR905	41085002	R, VARIABLE B200H	1

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

ΔRL601	65602042	RELAY G5R-1112P	1
S1002	65361016	SWITCH, PUSH BUTTON	1
S1003	65361016	SWITCH, PUSH BUTTON	1
S1004	65361016	SWITCH, PUSH BUTTON	1
S1005	65361016	SWITCH, PUSH BUTTON	1
S1006	65361016	SWITCH, PUSH BUTTON	1
S1007	65361016	SWITCH, PUSH BUTTON	1
S1008	65361016	SWITCH, PUSH BUTTON	1
S1009	65361016	SWITCH, PUSH BUTTON	1
S1010	65361016	SWITCH, PUSH BUTTON	1
S4001	65361002	SWITCH, PUSH BUTTON	1
S4002	65361002	SWITCH, PUSH BUTTON	1
S4004	65361002	SWITCH, PUSH BUTTON	1
S4005	65361002	SWITCH, PUSH BUTTON	1
S4006	65361002	SWITCH, PUSH BUTTON	1
S4007	65361002	SWITCH, PUSH BUTTON	1
S4008	65361002	SWITCH, PUSH BUTTON	1
S601	65208007	SWITCH, SEE-SAW	1
S6501	65113052	SWICH, SLIDE	1
S751	66099003	SWITCH, LEVER	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
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\*\*\* COILS & FILTERS \*\*\*

CF201	61321203	COIL,DEGAUSSING	1
CF301	61111005	CERAMIC TRAP 6.0MHZ	1
CF303	61105013	SIF FILTER 6.0	1
CF701	61112C13	CERAMIC DISCRIMINATER	1
	61111008	CERAMIC TRAP 4.43MHZ	1
DL751	61511062	DELAY LINE	1
FB201	61605007	FERRITE BEADS 2.5*1.2*0.7	1
FB501	61605005	FERRITE BEADS 5*10*1.8	1
FB602	61605005	FERRITE BEADS 5*10*1.8	1
FB603	61605005	FERRITE BEADS 5*10*1.8	1
FL201	61120942	IF DOUBLE SAW F F1815	1
L1001	61067018	COIL,FILTER 12UH	1
L1002	610F7514	COIL,FILTER 5.6UH	1
L1003	610F7514	COIL,FILTER 5.6UH	1
L1004	610F7514	COIL,FILTER 5.6UH	1
L1005	610F7514	COIL,FILTER 5.6UH	1
L1006	610F7514	COIL,FILTER 5.6UH	1
L1007	610F7514	COIL,FILTER 5.6UH	1
L1008	610F7514	COIL,FILTER 5.6UH	1
L1009	610F7514	COIL,FILTER 5.6UH	1
L1014	610F7514	COIL,FILTER 5.6UH	1
L1015	610F7514	COIL,FILTER 5.6UH	1
L1016	610F7514	COIL,FILTER 5.6UH	1
L1017	610F7514	COIL,FILTER 5.6UH	1
L201	61011130	COIL,SAW MATCHING	1
L202	610E1717	COIL,FILTER 10UHA,T (S)	1
L301	61011140	COIL,SAW MATCHING 1R9	1
L5002	610E1719	COIL,FILTER 15UH	1
L501	610F6014	COIL,FILTER 5.6UH	1
L502	61064055	COIL,FILTER 4700UH	1
ΔL508	60917057	COIL,H,LIN	1
L603	61067044	COIL,FILTER	1
L604	61067044	COIL,FILTER	1
L605	61067044	COIL,FILTER	1
L651	61062022	COIL,LINE FILTER	1
L652	61062022	COIL,LINE FILTER	1
L701	61051710	COIL,FILTER 2.7UH	1
L702	610E1714	COIL,FILTER 5.6UH	1
L703	610E1723	COIL,FILTER 33UHA,T (S)	1
L751	61051718	COIL,FILTER 12UH	1
L752	610E1717	COIL,FILTER 10UHA,T (S)	1
L753	610E1723	COIL,FILTER 33UHA,T (S)	1
L754	610E1714	COIL,FILTER 5.6UH	1
T201	60280002	VIF DET/AFT COIL 38.9MHZ	1
T202	60280002	VIF DET/AFT COIL 38.9MHZ	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
T301	60280002	VIF DET/AFT COIL 38.9MHZ	1
T4001	60299101	COIL,DETECTOR 39KHZ	1
T751	60567003	COIL,DL MATCHING	1

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

	93L70A01	AC-PS PWB ASSY	1
	93L70F02	MAIN PWB ASSY	1
	93L70G01	CRT PWB ASSY	1
	93L70K01	CONT-LED PWB ASSY	1
	93L70P02	SND OUT PWB ASSY	1
	93L70R02	RGB INTERFACE PWB ASSY	1
	93L70T01	TEXT PWB ASSY	1
	93L70W01	LINE FILTER PWB ASSY	1

\*\*\* ELECTRICAL PARTS & MISCELLANEOUS PARTS \*\*\*

	Δ 48007302	DEFLECTION YOKE	1
	49005011	MAGNET,CPC	1
	63010106	SPEAKER 90*50MM 16H 3W	1
	63561021	EARPHONE 16H PULG 3.5	1
	Δ 70032052	SG/CRT SOCKET	1
	70101027	TR.SOCKET FK111-0	1
	70301520	WEDGE 10	2
	70505025	JACK,EARPHONE	1
	70507011	JACK,HEADPHONE	1
	70800313	LINE CCRD BS-2 L2.5	1
	71122521	TERMINAL BOARD,ANTENNA	1
	71199021	TERMINAL 4P,SPEAKER	1
	79607081	REM-T HAND UNIT	1
	71205037	HOLDER,FUSE	2
	71205037	HOLDER,FUSE	2
	71205037	HOLDER,FUSE	2
	39030097	R,NETWORK 7*47K 5% 1/8W	1
	39030011	R,NETWORK 1/8W 6X47KK	1
	39030085	R,NETWORK 7*22K 5% 1/8W	1
	39030086	R,NETWORK 5*33K 5% 1/8W	1
	39030089	R,NETWORK 1/8W 3X33K 5%	1
	39035106	R,NETWORK 3*33H 5% 1/4W	1
	39030161	R,NETWORK 1/8W 3X82KJ	1
FB1301			
FB1302			
FB651			
FR1001			
FR1003			
FR1004			
FR1006			
FR1007			
FR5001			
FR6001			

SYMBOL	PARTS NO	DESCRIPTION	QTY
FR6003	39030155	R,NETWORK 3*100K 5% 1/8W	1
FR6004	39030154	R,NETWORK 3*47K 5% 1/8W	1
FR6005	39030160	R,NETWORK 3X39K 5% 1/8W	1
F1301	66671005	FUSE2AT 25CV SEMKO 20MM	1
F1302	66671005	FUSE2AT 250V SEMKO 20MM	1
F651	66671005	FUSE2AT 250V SEMKO 20MM	1
SG901	66706001	SPARK GAP 1.2KV	1
SG902	66706001	SPARK GAP 1.2KV	1
SG903	66706001	SPARK GAP 1.2KV	1
SK1001	70102923	IC SOCKET 52P	1
SK1002	70102920	IC SOCKET 28P	1
SK1003	70102143	IC SOCKET 16P	1
SK5001	70102148	IC SOCKET 28P	1
SK5002	70102149	IC SOCKET 40P	1
SK5003	70102147	IC SOCKET 24P	1
X1001	64099037	X*TAL 4.194304MHZ	1
X5001	64099039	X*TAL 13.875MHZ	1
X5002	64099038	X*TAL 6.000MHZ	1
X751	64003026	X TAL 4.43M(KSS)	1

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

	24DS5141	CABINET,FRONT	1
	24DS5362	CABINET BACK	1
	24FS0151	HOLDER,SUN SHIELD	2
	24FS0162	HOLDER,SUN SHIELDING	2
	24FS4382	TERMINAL PANEL	1
	24FS4491	HAND POUCH	2
	24FS4561	LID,CONTROL	1
	24JS0021	FILTER,SUN SHIELDING	1
	24448392	BRACKET A,CRT	2
	24448402	BRACKET B,CRT	2
	24514792	COIL SPRING	1
	24541491	LUG	4

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

	24GS2601	PUSH BUTTON	1
	24GS2761	PUSH BUTTON (POWER)	1
	24GS2901	PUSH BUTTON (UP)	2
	24GS2911	PUSH BUTTON (DOWN)	2
	24GS2921	PUSH BUTTON (2P)	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
*** PRINTED & PACKING MATERIALS ***			
	24MS0521	FILLER T,CARTON	1
	24MS0531	FILLER B,CARTON	1
	24MS1131	FILLER A,CARTON	1
	24MS4961	CARTON BOX	1
	78055731	INSTRUCTION BOOK	1

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

R1001	401K5711	R,CARBON 39K 5% 1/6W	1
R1002	401K5715	R,CARBON 56K 5% 1/6W	1
R1003	401K5705	R,CARBON 22K 5% 1/6W	1
R1004	401K5715	R,CARBON 56K 5% 1/6W	1
R1005	401K5715	R,CARBON 56K 5% 1/6W	1
R1006	401K5715	R,CARBON 56K 5% 1/6W	1
R1007	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1008	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1009	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1010	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1011	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1012	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1013	401K5701	R,CARBON 15K 5% 1/6W	1
R1014	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1015	401K5697	R,CARBON 10K 5% 1/6W	1
R1016	401K5617	R,CARBON 4.7H 5% 1/6W	1
R1017	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1019	401K5697	R,CARBON 10K 5% 1/6W	1
R1024	401K5653	R,CARBON 150H 5% 1/6W	1
R1025	401K5653	R,CARBON 150H 5% 1/6W	1
R1026	401K5653	R,CARBON 150H 5% 1/6W	1
R1027	401K5697	R,CARBON 10K 5% 1/6W	1
R1028	401K5697	R,CARBON 10K 5% 1/6W	1
R1029	401K5697	R,CARBON 10K 5% 1/6W	1
R1030	401K5701	R,CARBON 15K 5% 1/6W	1
R1031	401K5701	R,CARBON 15K 5% 1/6W	1
R1044	40405117	R,METAL 4.7H 5% 1/4W	1
R1050	401K5697	R,CARBON 10K 5% 1/6W	1
R1051	401K5697	R,CARBON 10K 5% 1/6W	1
R1052	401K5681	R,CARBON 2.2K 5% 1/6W	1
R1053	401K5715	R,CARBON 56K 5% 1/6W	1
R1054	401K5715	R,CARBON 56K 5% 1/6W	1
R1055	401K5681	R,CARBON 2.2K 5% 1/6W	1
R1056	401K5701	R,CARBON 15K 5% 1/6W	1
R1057	401K5697	R,CARBON 10K 5% 1/6W	1
R1058	401K5673	R,CARBON 1.0K 5% 1/6W	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
R1059	401K5689	R,CARBON 4.7K 5% 1/6W	1
R1060	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1061	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1064	401K5713	R,CARBON 47K 5% 1/6W	1
R1065	401K5713	R,CARBON 47K 5% 1/6W	1
R1066	401K5701	R,CARBON 15K 5% 1/6W	1
R1070	401K5697	R,CARBON 10K 5% 1/6W	1
R1071	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1072	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1073	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1090	401K5697	R,CARBON 10K 5% 1/6W	1
R1301	40216004	R,WIRE 4.7H 10% 5W	1
R1302	40404811	R,METAL 0.68H 10% 1W	1
R1303	401H5721	R,CARBON 100K 5% 1/2W	1
R1304	40372213	R,METAL 47K 5% 2W	1
R1304B	40372209	R,METAL 33K 5% 2W	1
R1305	401H5657	R,CARBON 220H 5% 1/2W	1
R1306	401H5639	R,CARBON 39H 5% 1/2W	1
R1307	40216018	R,WIRE 33OH 10% 5W	1
R1308	401H5721	R,CARBON 100K 5% 1/2W	1
R1351	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1352	401K5697	R,CARBON 10K 5% 1/6W	1
R1353	401K5661	R,CARBON 330H 5% 1/6W	1
R1353B	401K5697	R,CARBON 10K 5% 1/6W	1
R1354	401K5707	R,CARBON 27K 5% 1/6W	1
R1356	401K5701	R,CARBON 15K 5% 1/6W	1
R1357	401K5649	R,CARBON 100H 5% 1/6W	1
R1358	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1359	401K5697	R,CARBON 10K 5% 1/6W	1
R1360	401K5701	R,CARBON 15K 5% 1/6W	1
R1361	401K5661	R,CARBON 330H 5% 1/6W	1
R1362	401K5617	R,CARBON 4.7H 5% 1/6W	1
R1363	401K5617	R,CARBON 4.7H 5% 1/6W	1
R1364	40372155	R,METAL 18OH 5% 2W	1
R1366	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1367	401K5685	R,CARBON 3.3K 5% 1/6W	1
R1368	401K5687	R,CARBON 3.9K 5% 1/6W	1
R1369	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1370	401K5673	R,CARBON 1.0K 5% 1/6W	1
R1371	401K5685	R,CARBON 3.3K 5% 1/6W	1
R1372	401K5687	R,CARBON 3.9K 5% 1/6W	1
R1373	401K5673	R,CARBON 1.0K 5% 1/6W	1
ΔR2001	40405109	R,METAL 2.2H 5% 1/4W	1
R201	401K5663	R,CARBON 390H 5% 1/6W	1
R202	401K5681	R,CARBON 2.2K 5% 1/6W	1
R203	401K5717	R,CARBON 68K 5% 1/6W	1
R204	401K5725	R,CARBON 150K 5% 1/6W	1
R206	401K5679	R,CARBON 1.8K 5% 1/6W	1
R207	401K5673	R,CARBON 1.0K 5% 1/6W	1
R208	401K5701	R,CARBON 15K 5% 1/6W	1
R209	401K5677	R,CARBON 1.5K 5% 1/6W	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
R211	401K5739	R,CARBON 560K 5% 1/6W	1
R212	401K5681	R,CARBON 2.2K 5% 1/6W	1
R213	40405133	R,METAL 22H 5% 1/4W	1
R214	40405117	R,METAL 4.7H 5% 1/4W	1
R215	401K5661	R,CARBON 330H 5% 1/6W	1
R217	401K5689	R,CARBON 4.7K 5% 1/6W	1
R218	401K5645	R,CARBON 68H 5% 1/6W	1
R219	401K5713	R,CARBON 47K 5% 1/6W	1
R222	401K5643	R,CARBON 56H 5% 1/6W	1
R223	401K5631	R,CARBON 18H 5% 1/6W	1
R226	401K5677	R,CARBON 1.5K 5% 1/6W	1
R227	401K5691	R,CARBON 5.6K 5% 1/6W	1
R228	401K5661	R,CARBON 330H 5% 1/6W	1
R229	401K5637	R,CARBON 33H 5% 1/6W	1
R233	401K5729	R,CARBON 220K 5% 1/6W	1
R301	401K5683	R,CARBON 2.7K 5% 1/6W	1
R302	401K5739	R,CARBON 560K 5% 1/6W	1
R303	401K5709	R,CARBON 33K 5% 1/6W	1
R304	40405133	R,METAL 22H 5% 1/4W	1
R311	401K5661	R,CARBON 330H 5% 1/6W	1
R312	401K5665	R,CARBON 470H 5% 1/6W	1
R313	401K5659	R,CARBON 270H 5% 1/6W	1
R314	401K5661	R,CARBON 330H 5% 1/6W	1
R317	40405149	R,METAL 100H 5% 1/4W	1
R324	401K5681	R,CARBON 2.2K 5% 1/6W	1
R351	401K5673	R,CARBON 1.0K 5% 1/6W	1
R4001	401K5673	R,CARBON 1.0K 5% 1/6W	1
R4002	401K5625	R,CARBON 10H 5% 1/6W	1
R4003	401K5641	R,CARBON 47H 5% 1/6W	1
R4004	401K5721	R,CARBON 100K 5% 1/6W	1
R401	40107197	R,CARBON 10K 5% 1/6W	1
R402	40107197	R,CARBON 10K 5% 1/6W	1
R403	401K5697	R,CARBON 10K 5% 1/6W	1
R404	401K5697	R,CARBON 10K 5% 1/6W	1
R406	401K5709	R,CARBON 33K 5% 1/6W	1
R409	401K5709	R,CARBON 33K 5% 1/6W	1
R4103	40106655	R,CARBON 180H 5% 1/4W	1
R4104	401K5697	R,CARBON 10K 5% 1/6W	1
R4105	40106655	R,CARBON 180H 5% 1/4W	1
R412	401K5655	R,CARBON 180H 5% 1/6W	1
R413	40405145	R,METAL 68H 5% 1/4W	1
R414	401K5701	R,CARBON 15K 5% 1/6W	1
R415	401K5701	R,CARBON 15K 5% 1/6W	1
R416	401K5683	R,CARBON 2.7K 5% 1/6W	1
R418	401K5697	R,CARBON 10K 5% 1/6W	1
R419	40371109	R,METAL 2.2H 5% 1W	1
R420	40371159	R,METAL 270H 5% 1W	1
R421	401H5661	R,CARBON 330H 5% 1/2W	1
R430	401K5673	R,CARBON 1.0K 5% 1/6W	1
R431	401K5689	R,CARBON 4.7K 5% 1/6W	1
R432	401K5689	R,CARBON 4.7K 5% 1/6W	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
R433	401K5677	R,CARBON 1.5K 5% 1/6W	1
R434	401K5677	R,CARBON 1.5K 5% 1/6W	1
R5001	401K5697	R,CARBON 10K 5% 1/6W	1
R5002	401K5697	R,CARBON 10K 5% 1/6W	1
R5003	401K5673	R,CARBON 1.0K 5% 1/6W	1
R5004	401K5671	R,CARBON 820H 5% 1/6W	1
R5006	401K5673	R,CARBON 1.0K 5% 1/6W	1
R5007	401K5699	R,CARBON 12K 5% 1/6W	1
R5008	401K5697	R,CARBON 10K 5% 1/6W	1
R5009	401K5673	R,CARBON 1.0K 5% 1/6W	1
R501	401K5709	R,CARBON 33K 5% 1/6W	1
R5010	401K5649	R,CARBON 100H 5% 1/6W	1
R5011	401K5673	R,CARBON 1.0K 5% 1/6W	1
R5012	401K5675	R,CARBON 1.2K 5% 1/6W	1
R5015	401K5715	R,CARBON 56K 5% 1/6W	1
R5016	401K5673	R,CARBON 1.0K 5% 1/6W	1
R5017	401K5661	R,CARBON 330H 5% 1/6W	1
R5018	401K5665	R,CARBON 470H 5% 1/6W	1
R5019	401K5665	R,CARBON 470H 5% 1/6W	1
R502	401K5693	R,CARBON 6.8K 5% 1/6W	1
R5020	401K5689	R,CARBON 4.7K 5% 1/6W	1
R5021	401K5689	R,CARBON 4.7K 5% 1/6W	1
R5022	401K5685	R,CARBON 3.3K 5% 1/6W	1
R5023	401K5657	R,CARBON 220H 5% 1/6W	1
R5024	401K5675	R,CARBON 1.2K 5% 1/6W	1
R5025	401K5645	R,CARBON 68H 5% 1/6W	1
R5026	401K5685	R,CARBON 3.3K 5% 1/6W	1
R5027	401K5657	R,CARBON 220H 5% 1/6W	1
R5028	401K5675	R,CARBON 1.2K 5% 1/6W	1
R5029	401K5645	R,CARBON 68H 5% 1/6W	1
R503	401K5673	R,CARBON 1.0K 5% 1/6W	1
R5030	401K5685	R,CARBON 3.3K 5% 1/6W	1
R5031	401K5657	R,CARBON 220H 5% 1/6W	1
R5032	401K5675	R,CARBON 1.2K 5% 1/6W	1
R5033	401K5645	R,CARBON 68H 5% 1/6W	1
R5034	401K5705	R,CARBON 22K 5% 1/6W	1
R5035	401K5661	R,CARBON 330H 5% 1/6W	1
R5038	401K5675	R,CARBON 1.2K 5% 1/6W	1
R504	401K5717	R,CARBON 68K 5% 1/6W	1
R5040	401K5657	R,CARBON 220H 5% 1/6W	1
R5041	401K5645	R,CARBON 68H 5% 1/6W	1
R5042	401K5673	R,CARBON 1.0K 5% 1/6W	1
R5043	401K5645	R,CARBON 68H 5% 1/6W	1
R5045	401K5689	R,CARBON 4.7K 5% 1/6W	1
R505	401K5699	R,CARBON 12K 5% 1/6W	1
R506	401K5687	R,CARBON 3.9K 5% 1/6W	1
R507	401K5673	R,CARBON 1.0K 5% 1/6W	1
R508	401K5685	R,CARBON 3.3K 5% 1/6W	1
R509	40372195	R,METAL 8.2K 5% 2W	1
R510	401K5673	R,CARBON 1.0K 5% 1/6W	1
R511	401K5689	R,CARBON 4.7K 5% 1/6W	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
R513	401K5697	R,CARBON 10K 5% 1/6W	1
R514	401K5709	R,CARBON 33K 5% 1/6W	1
R516	401K5661	R,CARBON 330H 5% 1/6W	1
R517	401K5665	R,CARBON 470H 5% 1/6W	1
R518	401K5661	R,CARBON 330H 5% 1/6W	1
R519	401K5689	R,CARBON 4.7K 5% 1/6W	1
R520	401K5693	R,CARBON 6.8K 5% 1/6W	1
R521	40373189	R,METAL 4.7K 5% 3W	1
ΔR522	40405109	R,METAL 2.2H 5% 1/4W	1
ΔR523	R,METAL 1.0H 5% 1W		1
ΔR524	40405109	R,METAL 2.2H 5% 1/4W	1
R525	401K5689	R,CARBON 4.7K 5% 1/6W	1
R526	40107217	R,CARBON 68K 5% 1/6W	1
R527	401K5705	R,CARBON 22K 5% 1/6W	1
ΔR528	40177173	R,CARBON 1.0K 5% 1/4W	1
R529	40373121	R,METAL 6.8H 5% 3W	1
R530	401K5673	R,CARBON 1.0K 5% 1/6W	1
R531	401K5689	R,CARBON 4.7K 5% 1/6W	1
R532	401K5683	R,CARBON 2.7K 5% 1/6W	1
R533	40371121	R,METAL 6.8H 5% 1W	1
R533B	40185133	R,CARBON 22H 5% 1/2W	1
R534	40371119	R,METAL 5.6H 5% 1W	1
R535	40371185	R,METAL 3.3K 5% 1W	1
R536	40372197	R,METAL 10K 5% 2W	1
R537	401K5689	R,CARBON 4.7K 5% 1/6W	1
R538	401K5697	R,CARBON 10K 5% 1/6W	1
R539	401K5681	R,CARBON 2.2K 5% 1/6W	1
R540	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6001	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6002	401K5671	R,CARBON 820H 5% 1/6W	1
R6003	401K5669	R,CARBON 680H 5% 1/6W	1
R6004	401K5697	R,CARBON 10K 5% 1/6W	1
R6005	401K5681	R,CARBON 2.2K 5% 1/6W	1
R6006	401K5657	R,CARBON 220H 5% 1/6W	1
R6007	401K5663	R,CARBON 390H 5% 1/6W	1
R6008	401K5649	R,CARBON 100H 5% 1/6W	1
R6009	401K5689	R,CARBON 4.7K 5% 1/6W	1
R601	40216004	R,WIRE 4.7H 10% 5W	1
R6010	401K5697	R,CARBON 10K 5% 1/6W	1
R6011	40177149	R,CARBON 100H 5% 1/4W	1
R6012	401K5697	R,CARBON 10K 5% 1/6W	1
R6013	40177149	R,CARBON 100H 5% 1/4W	1
R6014	401K5697	R,CARBON 10K 5% 1/6W	1
R6015	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6016	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6017	401K5665	R,CARBON 470H 5% 1/6W	1
R6018	401K5697	R,CARBON 10K 5% 1/6W	1
R6019	401K5689	R,CARBON 4.7K 5% 1/6W	1
R602A	40185245	R,CARBON 1.0M 5% 1/2W	1
R6020	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6021	401K5673	R,CARBON 1.0K 5% 1/6W	1



SYMBOL	PARTS NO	DESCRIPTION	QTY
R6022	401K5649	R,CARBON 100H 5% 1/6W	1
R6023	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6024	401K5645	R,CARBON 68H 5% 1/6W	1
R6025	401K5649	R,CARBON 100H 5% 1/6W	1
R6026	401H5657	R,CARBON 220H 5% 1/2W	1
R6027	40177117	R,CARBON 4.7H 5% 1/4W	1
R6028	401K5645	R,CARBON 68H 5% 1/6W	1
R6029	401K5645	R,CARBON 68H 5% 1/6W	1
R603	40185125	R,CARBON 10H 5% 1/2W	1
R6030	401K5721	R,CARBON 100K 5% 1/6W	1
R6031	401K5721	R,CARBON 100K 5% 1/6W	1
R6032	401K5721	R,CARBON 100K 5% 1/6W	1
R6033	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6034	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6035	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6036	401K5717	R,CARBON 68K 5% 1/6W	1
R6037	401K5713	R,CARBON 47K 5% 1/6W	1
R6038	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6039	401K5717	R,CARBON 68K 5% 1/6W	1
R604A	40372213	R,METAL 47K 5% 2W	1
R604B	40372213	R,METAL 47K 5% 2W	1
R6040	401K5713	R,CARBON 47K 5% 1/6W	1
R6041	401K5646	R,CARBON 75H 5% 1/6W	1
R6042	401K5721	R,CARBON 100K 5% 1/6W	1
R6043	401K5721	R,CARBON 100K 5% 1/6W	1
R6044	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6045	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6046	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6047	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6048	401K5697	R,CARBON 10K 5% 1/6W	1
R6049	401K5697	R,CARBON 10K 5% 1/6W	1
R605	40372141	R,METAL 47H 5% 2W	1
R6050	401K5697	R,CARBON 10K 5% 1/6W	1
R6051	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6052	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6053	401K5697	R,CARBON 10K 5% 1/6W	1
R6054	401K5649	R,CARBON 100H 5% 1/6W	1
R6055	401K5649	R,CARBON 100H 5% 1/6W	1
R6056	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6057	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6058	401K5721	R,CARBON 100K 5% 1/6W	1
R6059	401K5721	R,CARBON 100K 5% 1/6W	1
R606	40499002	R,METAL 1.0H 5% 2W	1
R6060	401K5643	R,CARBON 56H 5% 1/6W	1
R6061	401K5643	R,CARBON 56H 5% 1/6W	1
R6062	401K5643	R,CARBON 56H 5% 1/6W	1
R6063	401K5721	R,CARBON 100K 5% 1/6W	1
R6064	401K5646	R,CARBON 75H 5% 1/6W	1
R6065	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6066	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6067	401K5721	R,CARBON 100K 5% 1/6W	1

For Service Manuals Contact  
MAURITRON TECHNICAL SERVICES  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
Tel: 01844-351694 Fax: 01844-352554  
Email: enquiries@mauritron.co.uk

SYMBOL	PARTS NO	DESCRIPTION	QTY
R6068	401K5721	R,CARBON 100K 5% 1/6W	1
R6069	401K5721	R,CARBON 100K 5% 1/6W	1
R607	40136179	R,CARBON 1.8K 5% 1/4W	1
R6070	401K5713	R,CARBON 47K 5% 1/6W	1
R6071	401K5721	R,CARBON 100K 5% 1/6W	1
R6072	401K5713	R,CARBON 47K 5% 1/6W	1
R6073	401K5721	R,CARBON 100K 5% 1/6W	1
R6074	401K5713	R,CARBON 47K 5% 1/6W	1
R6075	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6078	401K5697	R,CARBON 10K 5% 1/6W	1
R6079	401K5673	R,CARBON 1.0K 5% 1/6W	1
R608	40136189	R,CARBON 4.7K 5% 1/4W	1
R6080	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6083	401K5683	R,CARBON 2.7K 5% 1/6W	1
R6084	40177117	R,CARBON 4.7H 5% 1/4W	1
R6085	401K5715	R,CARBON 56K 5% 1/6W	1
R6086	401K5717	R,CARBON 68K 5% 1/6W	1
R6087	401K5683	R,CARBON 2.7K 5% 1/6W	1
R6088	401K5697	R,CARBON 10K 5% 1/6W	1
R6089	401K5673	R,CARBON 1.0K 5% 1/6W	1
R609	40136187	R,CARBON 3.9K 5% 1/4W	1
R6090	401K5705	R,CARBON 22K 5% 1/6W	1
R6091	401K5719	R,CARBON 82K 5% 1/6W	1
R6092	401K5697	R,CARBON 10K 5% 1/6W	1
R6093	401K5719	R,CARBON 82K 5% 1/6W	1
R6097	401K5697	R,CARBON 10K 5% 1/6W	1
R6098	401K5705	R,CARBON 22K 5% 1/6W	1
R6100	401K5697	R,CARBON 10K 5% 1/6W	1
R6104	401K5671	R,CARBON 820H 5% 1/6W	1
R6105	401K5671	R,CARBON 820H 5% 1/6W	1
R6106	401K5671	R,CARBON 820H 5% 1/6W	1
R611	40107181	R,CARBON 2.2K 5% 1/6W	1
R6110	401K5675	R,CARBON 1.2K 5% 1/6W	1
R6111	401K5675	R,CARBON 1.2K 5% 1/6W	1
R6112	401K5675	R,CARBON 1.2K 5% 1/6W	1
R6113	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6114	401K5649	R,CARBON 100H 5% 1/6W	1
R6115	401K5649	R,CARBON 100H 5% 1/6W	1
R6116	401K5649	R,CARBON 100H 5% 1/6W	1
R612	40107189	R,CARBON 4.7K 5% 1/6W	1
R6124	401K5677	R,CARBON 1.5K 5% 1/6W	1
R6125	401K5691	R,CARBON 5.6K 5% 1/6W	1
R6127	401K5665	R,CARBON 470H 5% 1/6W	1
R6128	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6129	401K5697	R,CARBON 10K 5% 1/6W	1
R6130	401K5631	R,CARBON 18H 5% 1/6W	1
R6131	401K5631	R,CARBON 18H 5% 1/6W	1
R6132	401K5631	R,CARBON 18H 5% 1/6W	1
R6133	401K5713	R,CARBON 47K 5% 1/6W	1
R6134	401K5713	R,CARBON 47K 5% 1/6W	1
ΔR614	40178117	R,CARBON 4.7H 5% 1/2W	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
△R616	40371125	R,METAL 10H 5% 1W	1
R618	40177109	R,CARBON 2.2H 5% 1/4W	1
R619	40107177	R,CARBON 1.5K 5% 1/6W	1
R6198	40107211	R,CARBON 39K 5% 1/6W	1
R6199	401C6691	R,CARBON 5.6K 5% 1/4W	1
R620	40107189	R,CARBON 4.7K 5% 1/6W	1
R621	40107197	R,CARBON 1CK 5% 1/6W	1
R622	40107181	R,CARBON 2.2K 5% 1/6W	1
R623	40107197	R,CARBON 1CK 5% 1/6W	1
R624	40136189	R,CARBON 4.7K 5% 1/4W	1
R6501	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6502	401K5719	R,CARBON 82K 5% 1/6W	1
R6503	401K5721	R,CARBON 100K 5% 1/6W	1
R6504	401K5711	R,CARBON 39K 5% 1/6W	1
R6505	401K5697	R,CARBON 10K 5% 1/6W	1
R6506	401K5697	R,CARBON 10K 5% 1/6W	1
R6507	401K5683	R,CARBON 2.7K 5% 1/6W	1
R6508	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6509	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6510	401K5713	R,CARBON 47K 5% 1/6W	1
R6511	401K5711	R,CARBON 39K 5% 1/6W	1
R6512	401K5711	R,CARBON 39K 5% 1/6W	1
R6513	401K5713	R,CARBON 47K 5% 1/6W	1
R6514	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6515	401K5697	R,CARBON 10K 5% 1/6W	1
R6516	401K5689	R,CARBON 4.7K 5% 1/6W	1
R6517	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6518	401K5691	R,CARBON 5.6K 5% 1/6W	1
R6520	401K5691	R,CARBON 5.6K 5% 1/6W	1
R6523	40177109	R,CARBON 2.2H 5% 1/4W	1
R6524	401K5653	R,CARBON 150H 5% 1/6W	1
R6525	401K5653	R,CARBON 150H 5% 1/6W	1
R6526	401K5653	R,CARBON 150H 5% 1/6W	1
R6527	401K5665	R,CARBON 470H 5% 1/6W	1
R6528	40177149	R,CARBON 100H 5% 1/4W	1
R6530	401K5649	R,CARBON 100H 5% 1/6W	1
R6532	401K5719	R,CARBON 82K 5% 1/6W	1
R6535	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6536	401K5673	R,CARBON 1.0K 5% 1/6W	1
R6601	401H5659	R,CARBON 270H 5% 1/2W	1
R66C2	401H5659	R,CARBON 270H 5% 1/2W	1
R66C3	401H5645	R,CARBON 68H 5% 1/2W	1
R6604	401H5645	R,CARBON 68H 5% 1/2W	1
R701	401K5701	R,CARBON 15K 5% 1/6W	1
R7C2	401K5697	R,CARBON 10K 5% 1/6W	1
R703	401K5673	R,CARBON 1.0K 5% 1/6W	1
R704	401K5673	R,CARBON 1.0K 5% 1/6W	1
R705	401K5649	R,CARBON 100H 5% 1/6W	1
R706	401K5673	R,CARBON 1.0K 5% 1/6W	1
R707	401K5665	R,CARBON 470H 5% 1/6W	1
R708	401K5685	R,CARBON 3.3K 5% 1/6W	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
R709	401K5655	R,CARBON 180H 5% 1/6W	1
R710	401K5685	R,CARBON 3.3K 5% 1/6W	1
R711	401K5673	R,CARBON 1.0K 5% 1/6W	1
R712	401K5697	R,CARBON 10K 5% 1/6W	1
R714	401K5673	R,CARBON 1.0K 5% 1/6W	1
R715	401K5673	R,CARBON 1.0K 5% 1/6W	1
R716	401K5673	R,CARBON 1.0K 5% 1/6W	1
R717	401K5681	R,CARBON 2.2K 5% 1/6W	1
R718	401K5681	R,CARBON 2.2K 5% 1/6W	1
R719	401K5681	R,CARBON 2.2K 5% 1/6W	1
R720	401K5697	R,CARBON 1CK 5% 1/6W	1
R721	40405109	R,METAL 2.2H 5% 1/4W	1
R722	401K5703	R,CARBON 18K 5% 1/6W	1
R723	401K5715	R,CARBON 56K 5% 1/6W	1
R751	401K5685	R,CARBON 3.3K 5% 1/6W	1
R754	401K5649	R,CARBON 100H 5% 1/6W	1
R756	401K5737	R,CARBON 470K 5% 1/6W	1
R757	401K5729	R,CARBON 220K 5% 1/6W	1
R758	401K5649	R,CARBON 100H 5% 1/6W	1
R759	401K5649	R,CARBON 100H 5% 1/6W	1
R761	401K5663	R,CARBON 390H 5% 1/6W	1
R762	401K5681	R,CARBON 2.2K 5% 1/6W	1
R763	401K5707	R,CARBON 27K 5% 1/6W	1
R764	401K5689	R,CARBON 4.7K 5% 1/6W	1
R766	401K5707	R,CARBON 27K 5% 1/6W	1
R767	401K5677	R,CARBON 1.5K 5% 1/6W	1
R768	401K5673	R,CARBON 1.0K 5% 1/6W	1
R770	401K5673	R,CARBON 1.0K 5% 1/6W	1
R772	401K5693	R,CARBON 6.8K 5% 1/6W	1
R773	401K5697	R,CARBON 10K 5% 1/6W	1
R774	401K5689	R,CARBON 4.7K 5% 1/6W	1
R775	401K5673	R,CARBON 1.0K 5% 1/6W	1
R901	401K5679	R,CARBON 1.8K 5% 1/6W	1
R902	401K5653	R,CARBON 150H 5% 1/6W	1
R903	401K5679	R,CARBON 1.8K 5% 1/6W	1
R904	401K5649	R,CARBON 100H 5% 1/6W	1
R905	401K5653	R,CARBON 150H 5% 1/6W	1
R906	401K5679	R,CARBON 1.8K 5% 1/6W	1
R907	401K5653	R,CARBON 150H 5% 1/6W	1
R908	40372199	R,METAL 12K 5% 2W	1
R909	40372199	R,METAL 12K 5% 2W	1
R910	40372199	R,METAL 12K 5% 2W	1
R911	401H5673	R,CARBON 1.0K 5% 1/2W	1
R912	401H5673	R,CARBON 1.0K 5% 1/2W	1
R913	401H5673	R,CARBON 1.0K 5% 1/2W	1
R914	401K5649	R,CARBON 100H 5% 1/6W	1
R915	401K5649	R,CARBON 100H 5% 1/6W	1
R916	401K5649	R,CARBON 100H 5% 1/6W	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
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\*\*\* CAPACITORS \*\*\*

C1001	430A9C19	C,ELEC 10V 470UF	1
C1002	421J9001	C,CERAMIC 50V 0.1UF	1
C1003	423A2027	C,CERAMIC 50V 18PF	1
C1004	423A2027	C,CERAMIC 50V 18PF	1
C1005	430A9027	C,ELEC 16V 33UF	1
C1006	430A9C61	C,ELEC 50V 1UF	1
C1007	430A9061	C,ELEC 50V 1UF	1
C1008	430A9061	C,ELEC 50V 1UF	1
C1009	430A9C61	C,ELEC 50V 1UF	1
C1010	430A9061	C,ELEC 50V 1UF	1
C1011	430A9C61	C,ELEC 50V 1UF	1
C1012	430A9061	C,ELEC 50V 1UF	1
C1013	430A9016	C,ELEC 10V 100UF	1
C1014	423A2037	C,CERAMIC 50V 47PF	1
C1019	423A2037	C,CERAMIC 50V 47PF	1
C1020	430A9065	C,ELEC 50V 10UF	1
C1021	435A7067	C,TANTALUM 35V 0.22UF	1
C1022	435A7067	C,TANTALUM 35V 0.22UF	1
C1023	427F4001	C,FILM 50V 1000PF	1
C1024	427F4017	C,FILM 50V 0.022UF	1
C1025	421C0225	C,CERAMIC 50V 0.01UF	1
C1026	421J9C01	C,CERAMIC 50V 0.1UF	1
C1028	421J9001	C,CERAMIC 50V 0.1UF	1
C1029	421J9001	C,CERAMIC 50V 0.1UF	1
C1030	430A9C29	C,ELEC 16V 100UF	1
C1031	421J9001	C,CERAMIC 50V 0.1UF	1
C1032	430A9029	C,ELEC 16V 100UF	1
C1035	421J9001	C,CERAMIC 50V 0.1UF	1
C1037	430A9063	C,ELEC 50V 3.3UF	1
C1038	435A7067	C,TANTALUM 35V 0.22UF	1
C1040	430A9061	C,ELEC 50V 1UF	1
C1041	430A9061	C,ELEC 50V 1UF	1
C1042	430A9061	C,ELEC 50V 1UF	1
C1090	43019029	C,ELEC 16V 100UF	1
C1301	43104071	C,ELEC 400V 100UF	1
C1302	430A9026	C,ELEC 16V 22UF	1
C1303	42703671	C,FILM 400V 0.047UF	1
C1304	427F4021	C,FILM 50V 0.047UF	1
C1305	42760C33	C,FILM 50V 0.47UF	1
C1306	43019073	C,ELEC 50V 100UF	1
C1309	42056006	C,CERAMIC 400V 2200PF	1
ΔC1310	42053067	C,CERAMIC 400V 2200PF	1
ΔC1311	42053067	C,CERAMIC 400V 2200PF	1
ΔC1312	42053067	C,CERAMIC 400V 2200PF	1
ΔC1313	42053067	C,CERAMIC 400V 2200PF	1
C1316	42054009	C,CERAMIC 400V 470PF	1
C1351	430B5101	C,ELEC 50V 0.47UF	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
C1352	421C0225	C,CERAMIC 50V 0.01UF	1
C1353	430A9C28	C,ELEC 16V 47UF	1
C1354	430B3110	C,ELEC 50V 100UF	1
C1355	430A9068	C,ELEC 50V 47UF	1
C1356	430A9030	C,ELEC 16V 220UF	1
C1357	430B5101	C,ELEC 50V 0.47UF	1
C1358	421C0225	C,CERAMIC 50V 0.01UF	1
C1359	430B3109	C,ELEC 50V 47UF	1
C1360	430A9030	C,ELEC 16V 220UF	1
C1361	430A9C68	C,ELEC 50V 47UF	1
C1362	4301J046	C,ELEC 25V 1000UF	1
C1363	421J9C36	C,CERAMIC 25V 0.1UF	1
C1364	4301J046	C,ELEC 25V 1000UF	1
C1365	421J9C36	C,CERAMIC 25V 0.1UF	1
C1366	42051113	C,CERAMIC 500V 4700PF	1
C1367	430A9C61	C,ELEC 50V 1UF	1
C1368	430A9061	C,ELEC 50V 1UF	1
C1369	4301J046	C,ELEC 25V 1000UF	1
C1370	430A9C68	C,ELEC 50V 47UF	1
C1372	430A9068	C,ELEC 50V 47UF	1
C157	430A9C29	C,ELEC 16V 100UF	1
C160	430A9025	C,ELEC 16V 10UF	1
C1999	42130717	C,CERAMIC 50V 2200PF	1
C2001	430A9064	C,ELEC 50V 4.7UF	1
C201	430A9037	C,ELEC 25V 4.7UF	1
C202	421C0225	C,CERAMIC 50V 0.01UF	1
C203	421C0225	C,CERAMIC 50V 0.01UF	1
C204	421C0225	C,CERAMIC 50V 0.01UF	1
C206	430A9061	C,ELEC 50V 1UF	1
C208	421C0225	C,CERAMIC 50V 0.01UF	1
C209	430A4103	C,ELEC 50V 0.47UF	1
C211	421C0225	C,CERAMIC 50V 0.01UF	1
C212	430A9029	C,ELEC 16V 100UF	1
C213	423A2C03	C,CERAMIC 50V 3PF	1
C214	423A2C03	C,CERAMIC 50V 3PF	1
C216	423A2C33	C,CERAMIC 50V 33PF	1
C220	421C0225	C,CERAMIC 50V 0.01UF	1
C221	421C0225	C,CERAMIC 50V 0.01UF	1
C222	421C0217	C,CERAMIC 50V 2200PF	1
C223	421C0225	C,CERAMIC 50V 0.01UF	1
C227	421C1067	C,CERAMIC 50V 2200PF	1
C301	421C0225	C,CERAMIC 50V 0.01UF	1
C302	421C1025	C,CERAMIC 25V 0.01UF	1
C303	430A4101	C,ELEC 50V 0.22UF	1
C304	421C0225	C,CERAMIC 50V 0.01UF	1
C306	430A9028	C,ELEC 16V 47UF	1
C307	430A4103	C,ELEC 50V 0.47UF	1
C314	427F4C67	C,FILM 50V 0.022UF	1
C315	427F4C67	C,FILM 50V 0.022UF	1
C316	423A2C31	C,CERAMIC 50V 27PF	1
C317	430A9029	C,ELEC 16V 100UF	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
C318	421C0225	C,CERAMIC 50V 0.01UF	1
C325	427F4C67	C,FILM 50V 0.022UF	1
C346	430A9025	C,ELEC 16V 10UF	1
C4001	430A9025	C,ELEC 16V 10UF	1
C4002	43019029	C,ELEC 16V 100UF	1
C4003	4301JC64	C,ELEC 50V 4.7UF	1
C4004	430A9025	C,ELEC 16V 10UF	1
C4005	421D5005	C,CERAMIC 25V 2200PF	1
C4006	421J9001	C,CERAMIC 50V 0.1UF	1
C401	427F4C71	C,FILM 50V 0.047UF	1
C402	430A4101	C,ELEC 50V 0.22UF	1
C403	427F4C69	C,FILM 50V 0.033UF	1
C404	427F4C69	C,FILM 50V 0.033UF	1
C406	427F4C73	C,FILM 50V 0.068UF	1
C408	4282C025	C,METAL FILM 50V 1UF	1
C409	430A9032	C,ELEC 16V 470UF	1
C410	427F4C67	C,FILM 50V 0.022UF	1
C411	433A3055	C,ELEC 50V 1UF	1
C415	421C0213	C,CERAMIC 50V 1000PF	1
C422	43950083	C,TANTALUM 25V 10UF	1
C422A	439E0063	C,TANTALUM 16V 2.2UF	1
C423	427F4C67	C,FILM 50V 0.022UF	1
C424	420C9551	C,CERAMIC 500V 100PF	1
C426	4301J057	C,ELEC 35V 470UF	1
C427	430B5090	C,ELEC 35V 100UF	1
C428	4301J057	C,ELEC 35V 470UF	1
C430	4203J575	C,CERAMIC 500V 0.01UF	1
C5001	430A9028	C,ELEC 16V 47UF	1
C5003	430A9026	C,ELEC 16V 22UF	1
C5004	433A3055	C,ELEC 50V 1UF	1
C5005	423A2C25	C,CERAMIC 50V 15PF	1
C5006	421C0213	C,CERAMIC 50V 1000PF	1
C5007	423A1101	C,CERAMIC 50V 470PF	1
C5008	427F4C67	C,FILM 50V 0.022UF	1
C5009	423A1C55	C,CERAMIC 50V 270PF	1
C501	430A9029	C,ELEC 16V 100UF	1
C5C10	423A2C45	C,CERAMIC 50V 100PF	1
C5011	423A2025	C,CERAMIC 50V 15PF	1
C5012	4231FC31	C,CERAMIC 50V 27PF	1
C5013	427F4073	C,FILM 50V 0.068UF	1
C5014	423A1C53	C,CERAMIC 50V 220PF	1
C5015	427F4C71	C,FILM 50V 0.047UF	1
C5016	430A9061	C,ELEC 50V 1UF	1
C5017	423A2027	C,CERAMIC 50V 18PF	1
C5018	427F4C71	C,FILM 50V 0.047UF	1
C5019	420B9525	C,CERAMIC 50V 0.01UF	1
C502	430A9063	C,ELEC 50V 3.3UF	1
C5020	430A9029	C,ELEC 16V 100UF	1
C5021	420B9525	C,CERAMIC 50V 0.01UF	1
C5022	430A9029	C,ELEC 16V 100UF	1
C5023	421J9036	C,CERAMIC 25V 0.1UF	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
C5024	430A9029	C,ELEC 16V 100UF	1
C5025	421J9C36	C,CERAMIC 25V 0.1UF	1
C5026	420B9525	C,CERAMIC 50V 0.01UF	1
C5027	430A9C29	C,ELEC 16V 100UF	1
C5028	420B9525	C,CERAMIC 50V 0.01UF	1
C5029	430A9C29	C,ELEC 16V 100UF	1
C503	430A4105	C,ELEC 50V 1UF	1
C5030	420B9525	C,CERAMIC 50V 0.01UF	1
C5031	430A9029	C,ELEC 16V 100UF	1
C5032	420B9525	C,CERAMIC 50V 0.01UF	1
C5040	423A1045	C,CERAMIC 50V 100PF	1
C5041	423A1045	C,CERAMIC 50V 100PF	1
C5042	423A1045	C,CERAMIC 50V 100PF	1
C505	427J9C58	C,FILM 100V 5600PF	1
C506	430A4105	C,ELEC 50V 1UF	1
C507	427F4C59	C,FILM 50V 4700PF	1
C508	427F4C69	C,FILM 50V 0.033UF	1
C509	427F4C63	C,FILM 50V 0.01UF	1
C510B	421C0210	C,CERAMIC 50V 560PF	1
C511	421C0213	C,CERAMIC 50V 1000PF	1
C512	433A3055	C,ELEC 50V 1UF	1
C513	420C9560	C,CERAMIC 500V 560PF	1
C514	4203J575	C,CERAMIC 500V 0.01UF	1
△C516	42807586	C,METAL FILM 1.6KV 8000PF	1
C517	420C9567	C,CERAMIC 500V 2200PF	1
C518	4309J021	C,ELEC 160V 3.3UF	1
C519	4309JC40	C,ELEC 160V 10UF	1
C520	423A1074	C,CERAMIC 50V 270PF	1
C521	4301J058	C,ELEC 35V 1000UF	1
C522	420C9560	C,CERAMIC 500V 560PF	1
C523	4301J046	C,ELEC 25V 1000UF	1
C524	420C9567	C,CERAMIC 500V 2200PF	1
C525	430A9032	C,ELEC 16V 470UF	1
C526	421J9C01	C,CERAMIC 50V 0.1UF	1
C529	42899C50	C,METAL FILM 400V 0.33UF	1
C531	421C0225	C,CERAMIC 50V 0.01UF	1
C6001	423A2C39	C,CERAMIC 50V 56PF	1
C6002	430A9025	C,ELEC 16V 10UF	1
C6003	430A9C29	C,ELEC 16V 100UF	1
C6004	430A9C25	C,ELEC 16V 10UF	1
C6005	430A9029	C,ELEC 16V 100UF	1
C6006	4331C027	C,ELEC 16V 220UF	1
C6007	430A9C29	C,ELEC 16V 100UF	1
C6008	430A9029	C,ELEC 16V 100UF	1
C6009	430A9025	C,ELEC 16V 10UF	1
C601	42056004	C,CERAMIC 400V 1000PF	1
C6010	430A9028	C,ELEC 16V 47UF	1
C6011	430A9032	C,ELEC 16V 470UF	1
C6012	430A9032	C,ELEC 16V 470UF	1
C6013	430A9025	C,ELEC 16V 10UF	1
C6014	430A9025	C,ELEC 16V 10UF	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
C6015	430A9025	C.ELEC 16V 10UF	1
C6016	430A9025	C.ELEC 16V 10UF	1
C6017	430A9025	C.ELEC 16V 10UF	1
C6018	430A9029	C.ELEC 16V 100UF	1
C6019	430A9025	C.ELEC 16V 10UF	1
C602	42056004	C.CERAMIC 400V 1000PF	1
C6021	430A9029	C.ELEC 16V 100UF	1
C6022	430A9025	C.ELEC 16V 10UF	1
C6023	430A9025	C.ELEC 16V 10UF	1
C6024	430A9025	C.ELEC 16V 10UF	1
C6025	430A9025	C.ELEC 16V 10UF	1
C6026	43CA9C25	C.ELEC 16V 10UF	1
C6027	430A9C25	C.ELEC 16V 10UF	1
C6028	430A9C25	C.ELEC 16V 10UF	1
C6029	430A9029	C.ELEC 16V 100UF	1
C6030	430A9029	C.ELEC 16V 100UF	1
C6031	430A9061	C.ELEC 50V 1UF	1
C6032	430A9C61	C.ELEC 50V 1UF	1
C6033	430A9061	C.ELEC 50V 1UF	1
C6034	430A9061	C.ELEC 50V 1UF	1
C6035	430A9C61	C.ELEC 50V 1UF	1
C6036	430A9061	C.ELEC 50V 1UF	1
C6037	430A9061	C.ELEC 50V 1UF	1
C6039	430A9029	C.ELEC 16V 100UF	1
C6040	427F4067	C.FILM 50V 0.022UF	1
C6041	430A9061	C.ELEC 50V 1UF	1
C6042	430A9025	C.ELEC 16V 10UF	1
C6043	421C0225	C.CERAMIC 50V 0.01UF	1
C6044	430A9025	C.ELEC 16V 10UF	1
C6045	430A9025	C.ELEC 16V 10UF	1
C6046	430A9025	C.ELEC 16V 10UF	1
C6047	423A1047	C.CERAMIC 50V 120PF	1
C6048	423A2041	C.CERAMIC 50V 68PF	1
C605	42051113	C.CERAMIC 500V 4700PF	1
C6052	430A9029	C.ELEC 16V 100UF	1
C6053	421C0225	C.CERAMIC 50V 0.01UF	1
C6054	430A9029	C.ELEC 16V 100UF	1
C6056	430A9029	C.ELEC 16V 100UF	1
C606	42051113	C.CERAMIC 500V 4700PF	1
C6060	421J9036	C.CERAMIC 25V 0.1UF	1
C6061	430A9061	C.ELEC 50V 1UF	1
C6062	430A9061	C.ELEC 50V 1UF	1
C6063	430A9061	C.ELEC 50V 1UF	1
C607	42051113	C.CERAMIC 500V 4700PF	1
C608	43104071	C.ELEC 400V 100UF	1
C611	4309J040	C.ELEC 160V 10UF	1
C612	4276D071	C.FILM 50V 0.047UF	1
C614	42099084	C.CERAMIC 1KV 1000PF	1
C615	42099065	C.CERAMIC 125V 0.01UF	1
C621	4209JC59	C.CERAMIC 2KV 560PF	1
C623	4309JC64	C.ELEC 160V 100UF	1

For Service Manuals Contact  
MAURITRON TECHNICAL SERVICES  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
Tel: 01844-351694 Fax: 01844-352554  
Email: enquiries@mauritron.co.uk

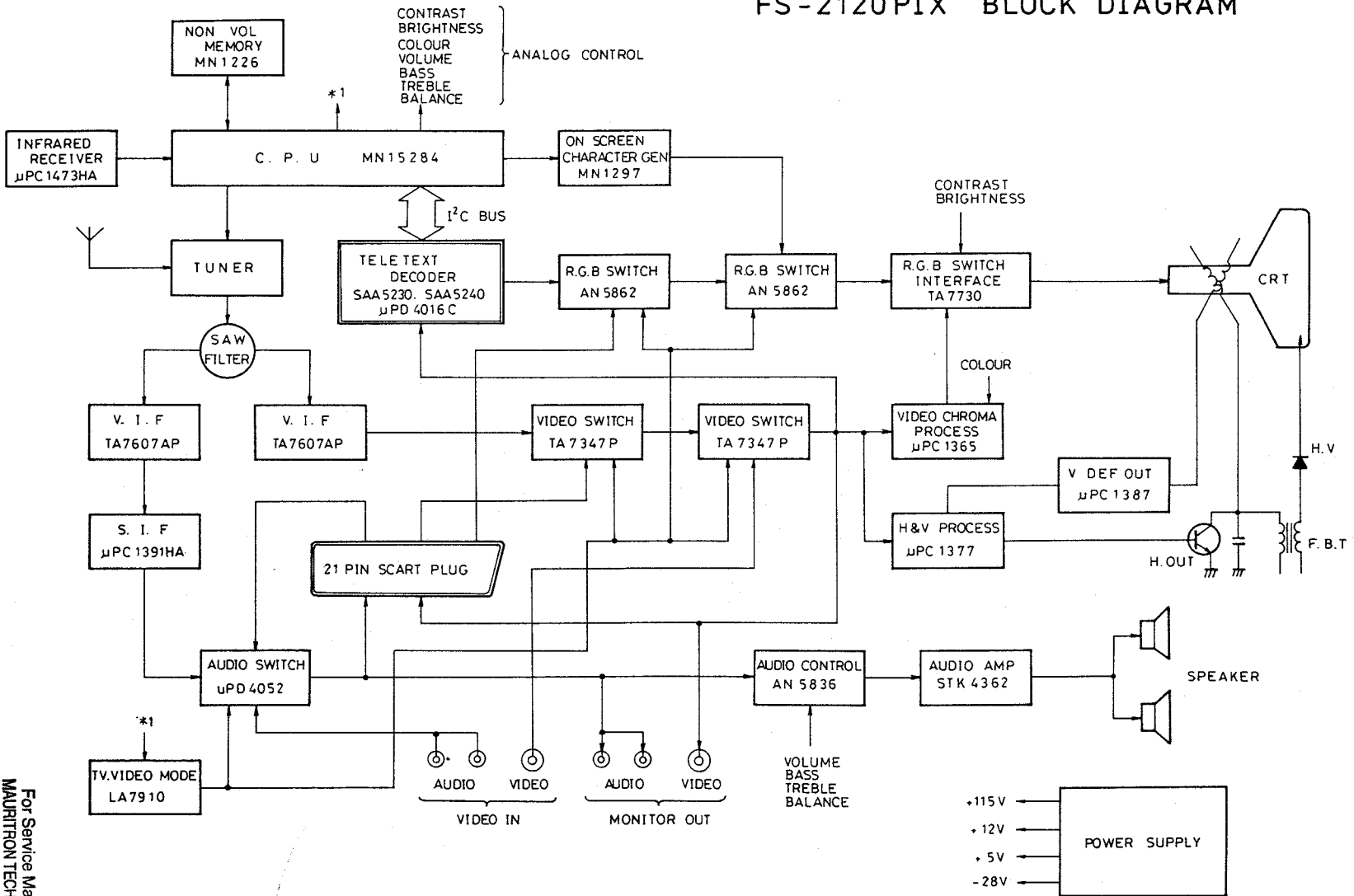
SYMBOL	PARTS NO	DESCRIPTION	QTY
C626	42056003	C.CERAMIC 400V 470PF	1
C627	43026034	C.ELEC 16V 2200UF	1
C628	4219JC02	C.CERAMIC 50V 0.1UF	1
C629	4219JC02	C.CERAMIC 50V 0.1UF	1
C630	4301J056	C.ELEC 35V 330UF	1
C631	4219J002	C.CERAMIC 50V 0.1UF	1
C632	4219J002	C.CERAMIC 50V 0.1UF	1
C633	4301J069	C.ELEC 50V 100UF	1
C634	4301J065	C.ELEC 50V 10UF	1
C635	4300E116	C.ELEC 160V 1UF	1
C6501	421D5012	C.CERAMIC 25V 6800PF	1
C6502	430A9026	C.ELEC 16V 22UF	1
C6503	430A4103	C.ELEC 50V 0.47UF	1
C6504	433A3C33	C.ELEC 25V 10UF	1
C6505	430A9061	C.ELEC 50V 1UF	1
C6506	433A3C33	C.ELEC 25V 10UF	1
C6507	430A9061	C.ELEC 50V 1UF	1
C6508	433A3C33	C.ELEC 25V 10UF	1
C6509	430A9061	C.ELEC 50V 1UF	1
C651	42824225	C.METAL FILM 250V 0.1UF	1
C6510	430A4101	C.ELEC 50V 0.22UF	1
C6512	433A3C33	C.ELEC 25V 10UF	1
C6513	430A4101	C.ELEC 50V 0.22UF	1
C6514	4301J033	C.ELEC 16V 1000UF	1
C6516	421J9036	C.CERAMIC 25V 0.1UF	1
C6517	421J9C01	C.CERAMIC 50V 0.1UF	1
C6520	430A9029	C.ELEC 16V 100UF	1
C653	42056006	C.CERAMIC 400V 2200PF	1
C654	42056004	C.CERAMIC 400V 1000PF	1
C655	42824225	C.METAL FILM 250V 0.1UF	1
C656	42056006	C.CERAMIC 400V 2200PF	1
C657	42056004	C.CERAMIC 400V 1000PF	1
C701	430A9029	C.ELEC 16V 100UF	1
C702	430A9028	C.ELEC 16V 47UF	1
C703	423A2041	C.CERAMIC 50V 68PF	1
C704	430A9025	C.ELEC 16V 10UF	1
C706	430A9025	C.ELEC 16V 10UF	1
C707	423A2033	C.CERAMIC 50V 33PF	1
C708	430A4101	C.ELEC 50V 0.22UF	1
C709	430A9064	C.ELEC 50V 4.7UF	1
C710	421C0225	C.CERAMIC 50V 0.01UF	1
C711	430A9C32	C.ELEC 16V 47CUF	1
C712	423A2037	C.CERAMIC 50V 47PF	1
C715	421C0225	C.CERAMIC 50V 0.01UF	1
C725	430A9029	C.ELEC 16V 100UF	1
C751	423A2039	C.CERAMIC 50V 56PF	1
C752	421C0225	C.CERAMIC 50V 0.01UF	1
C753	427F4075	C.FILM 50V 0.1UF	1
C754	427F4075	C.FILM 50V 0.1UF	1
C755	421J9C01	C.CERAMIC 50V 0.1UF	1
C756	430A4105	C.ELEC 50V 1UF	1

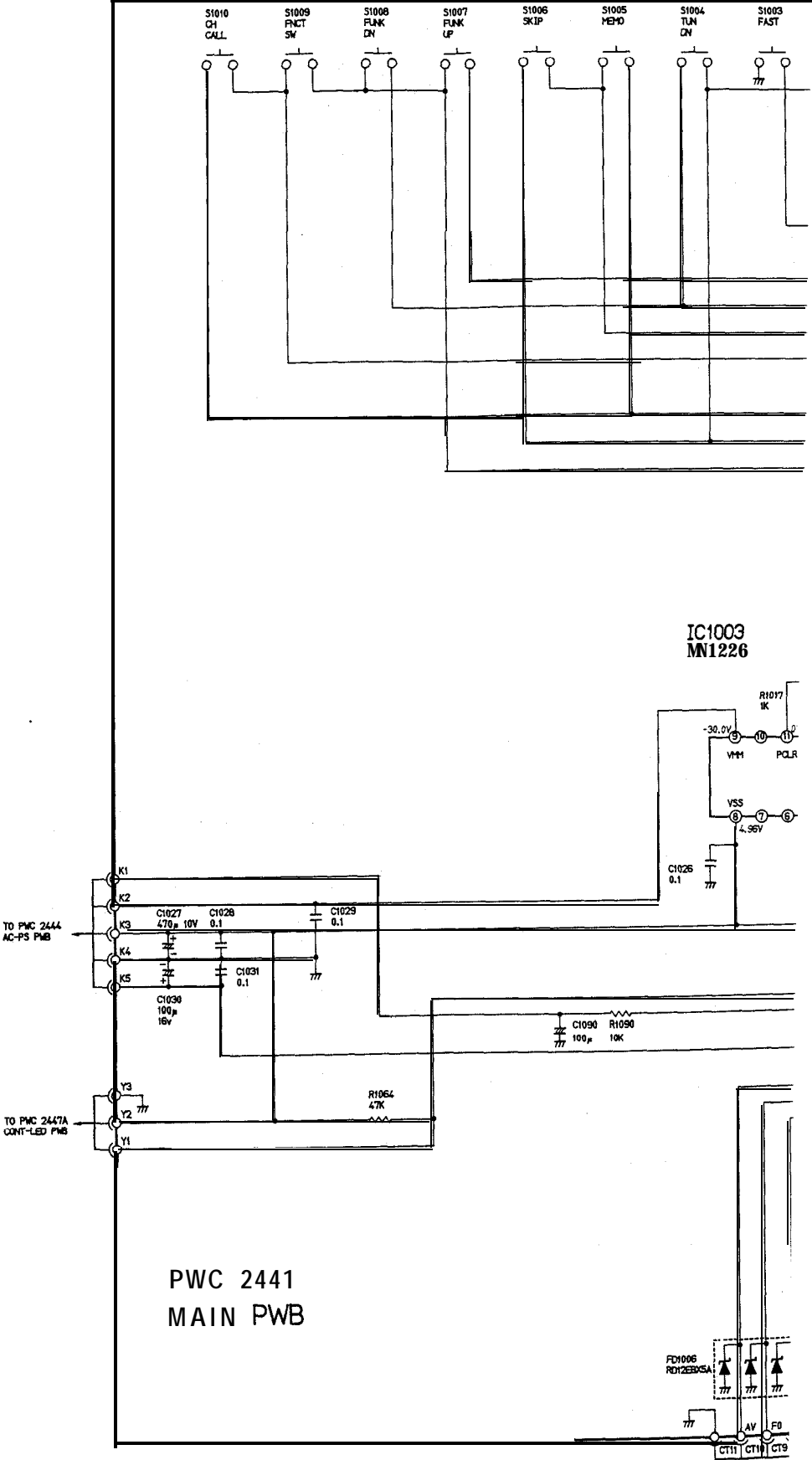
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C757	421C1025	C,CERAMIC 25V 0.01UF	1
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C759	423A2C37	C,CERAMIC 50V 47PF	1
C761	423A1045	C,CERAMIC 50V 100PF	1
C762	421C0225	C,CERAMIC 50V 0.01UF	1
C763	433A3C43	C,ELEC 35V 4.7UF	1
C764	421C1025	C,CERAMIC 25V 0.01UF	1
C766	421C1025	C,CERAMIC 25V 0.01UF	1
C767	423A2C37	C,CERAMIC 50V 47PF	1
C768	423A2C37	C,CERAMIC 50V 47PF	1
C769	423A2C27	C,CERAMIC 50V 18PF	1
C770	430A9C61	C,ELEC 50V 1UF	1
C780	423A1053	C,CERAMIC 50V 220PF	1
C901	421C0213	C,CERAMIC 50V 1000PF	1
C902	421C0210	C,CERAMIC 50V 560PF	1
C903	421C0213	C,CERAMIC 50V 1000PF	1
C904	4300E124	C,ELEC 250V 10UF	1
C905	42034713	C,CERAMIC 2KV 0.001UF	1
C906	421C0207	C,CERAMIC 50V 330PF	1
C907	421C0207	C,CERAMIC 50V 330PF	1
C908	421C0207	C,CERAMIC 50V 330PF	1
C909	421C0225	C,CERAMIC 50V 0.01UF	1
C910	421C0225	C,CERAMIC 50V 0.01UF	1
C911	421C0225	C,CERAMIC 50V 0.01UF	1

PARTS NO	FS-2120PIX (WG)	QTY
24DS5141	CABINET FRONT ASSY	1
79607081	REMOTE CONTROL UNIT RC-1012E	1
97L91601	COMPLETE SET ASSY	1

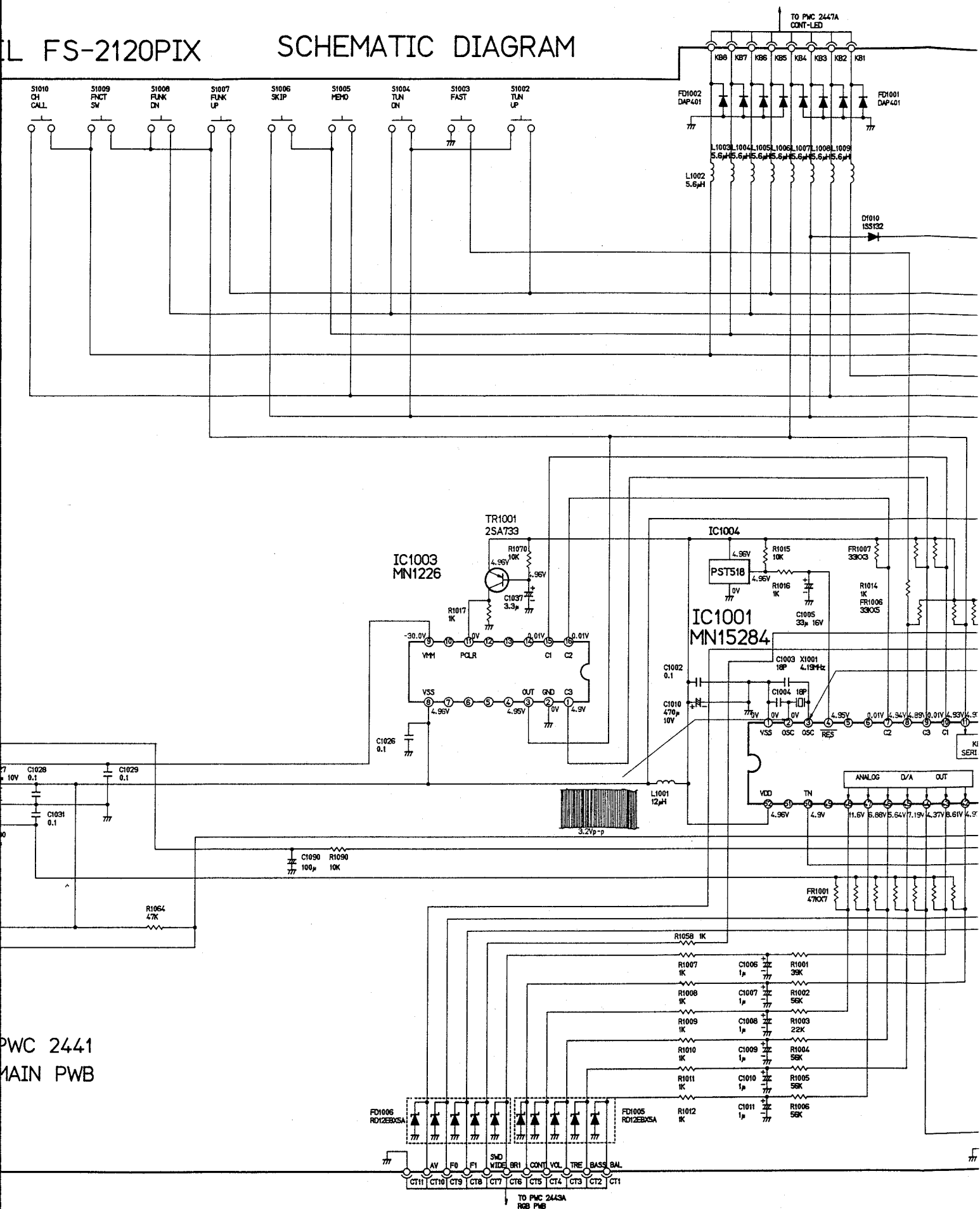
PARTS NO	FS-2120PIX (MB)	QTY
24DS5151	CABINET FRONT ASSY	1
79605961	REMOTE CONTROL UNIT RC-1007E	1
97L70601	COMPLETE SET ASSY	1

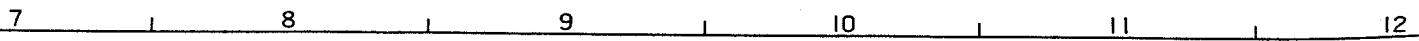
# FS-2120PIX BLOCK DIAGRAM



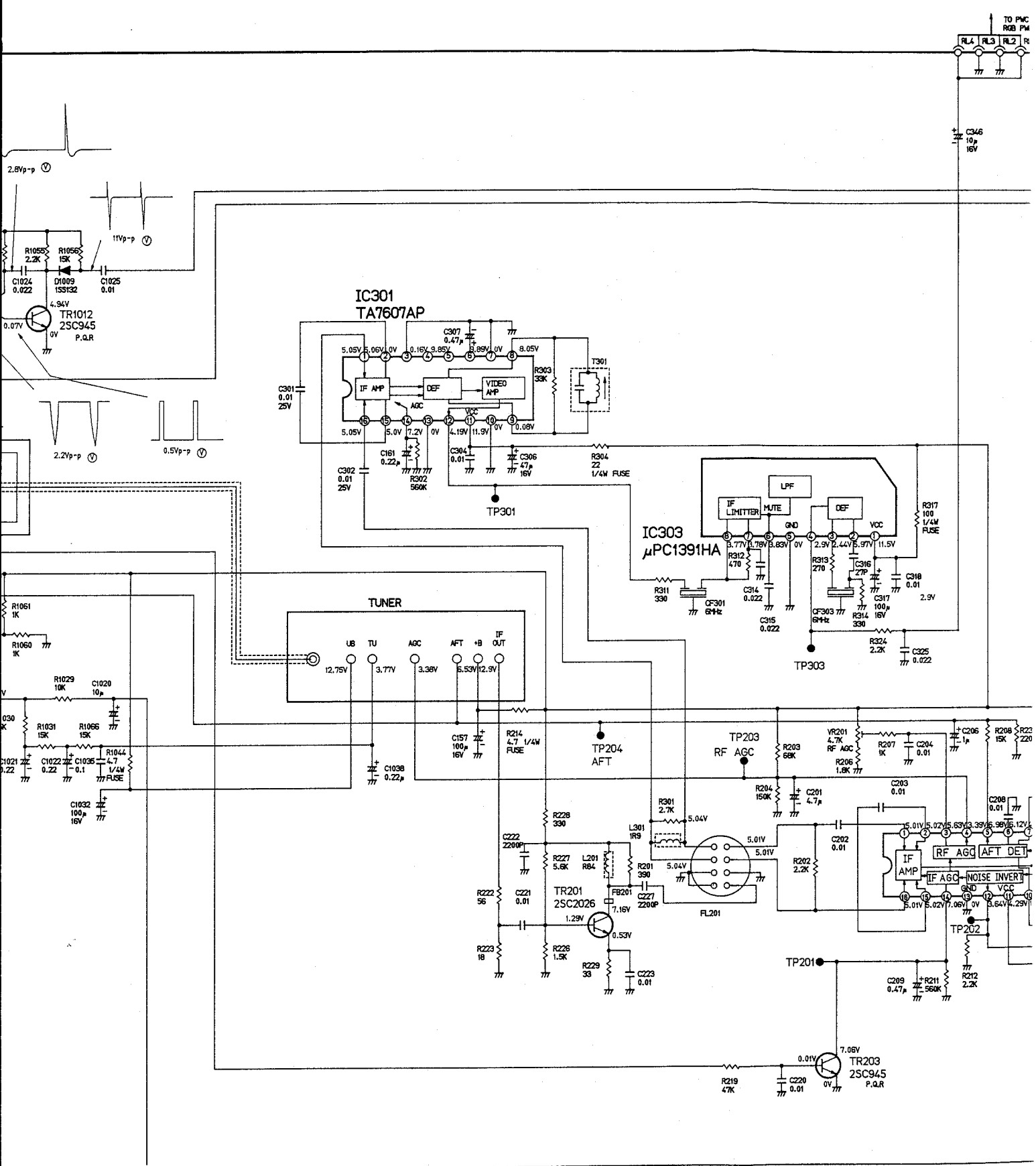


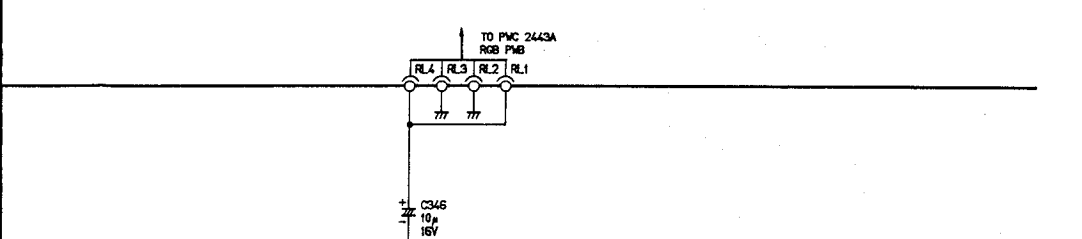




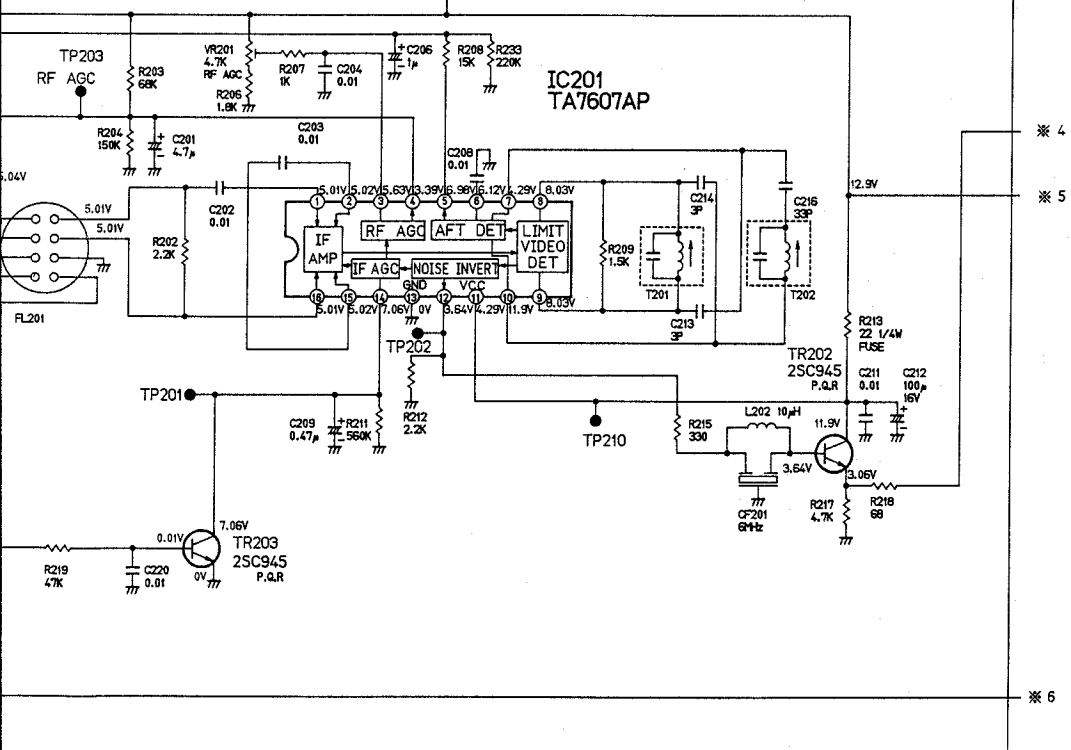
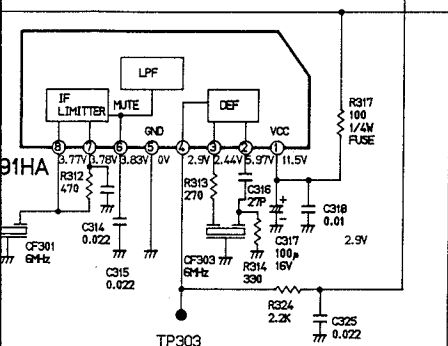








※ 1  
※ 2



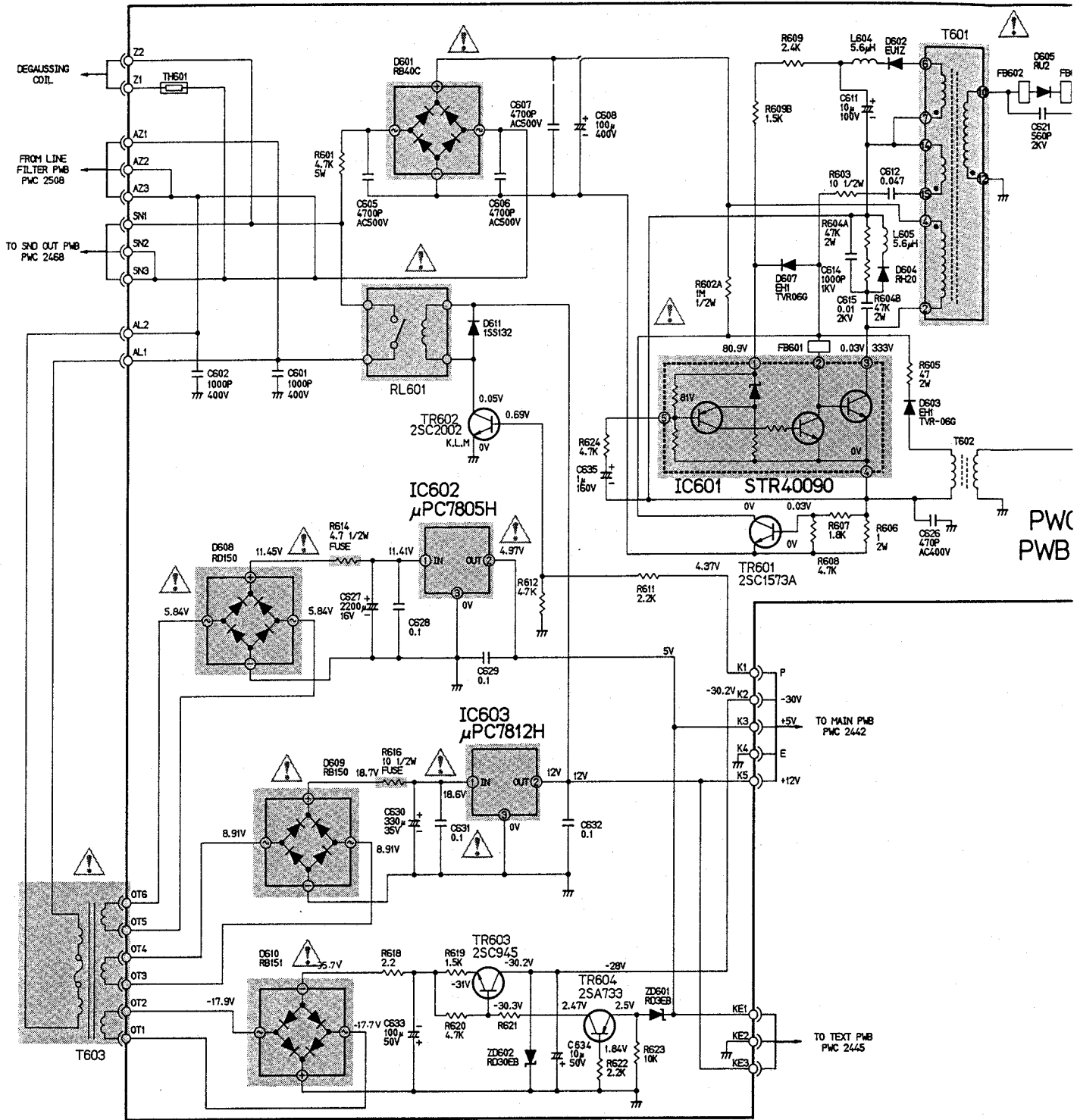
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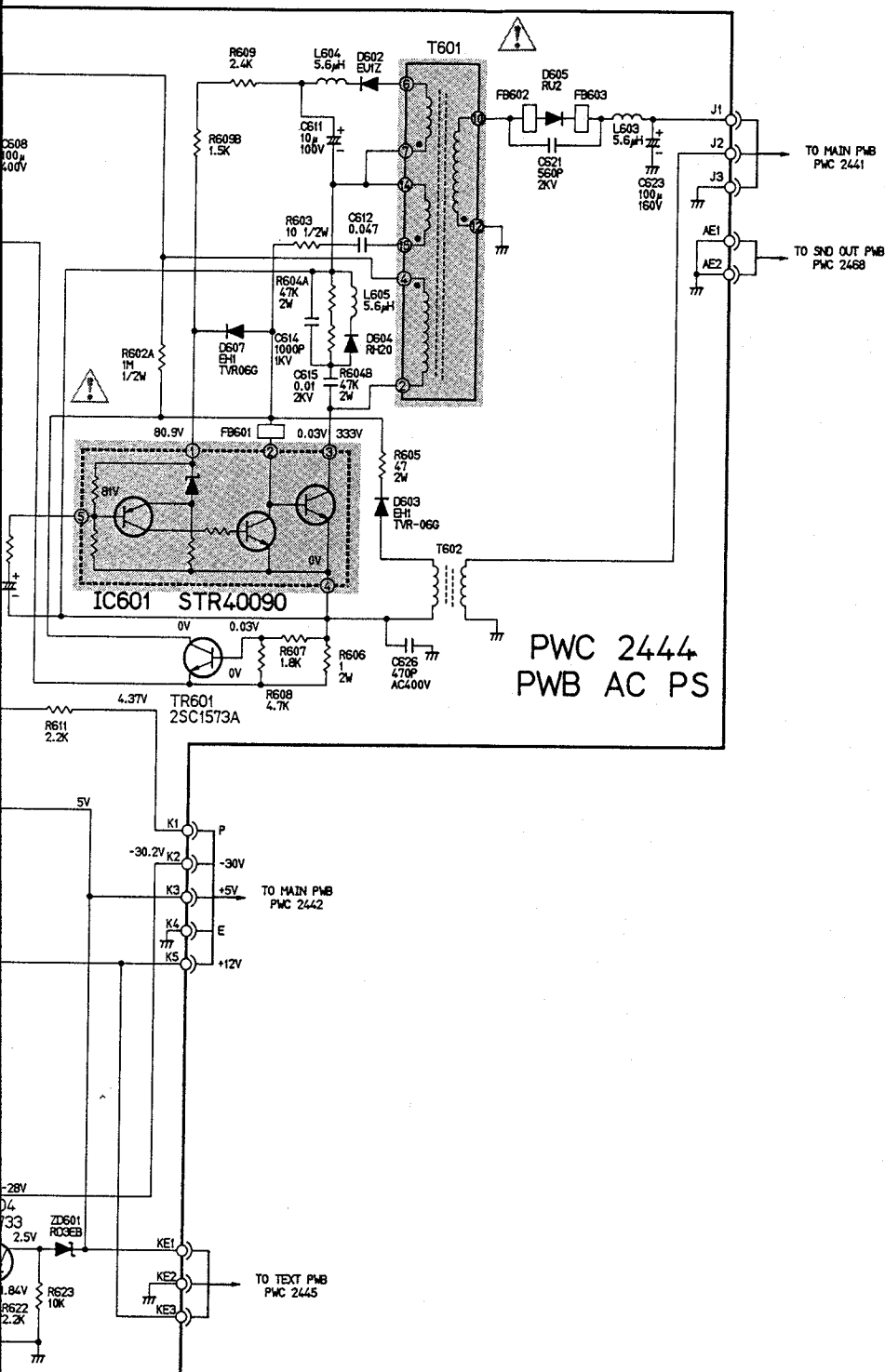
※ 4

※ 5

※ 6

MODEL FS-2120PIX  
AC PS PWB  
SCHEMATIC DIAGRAM

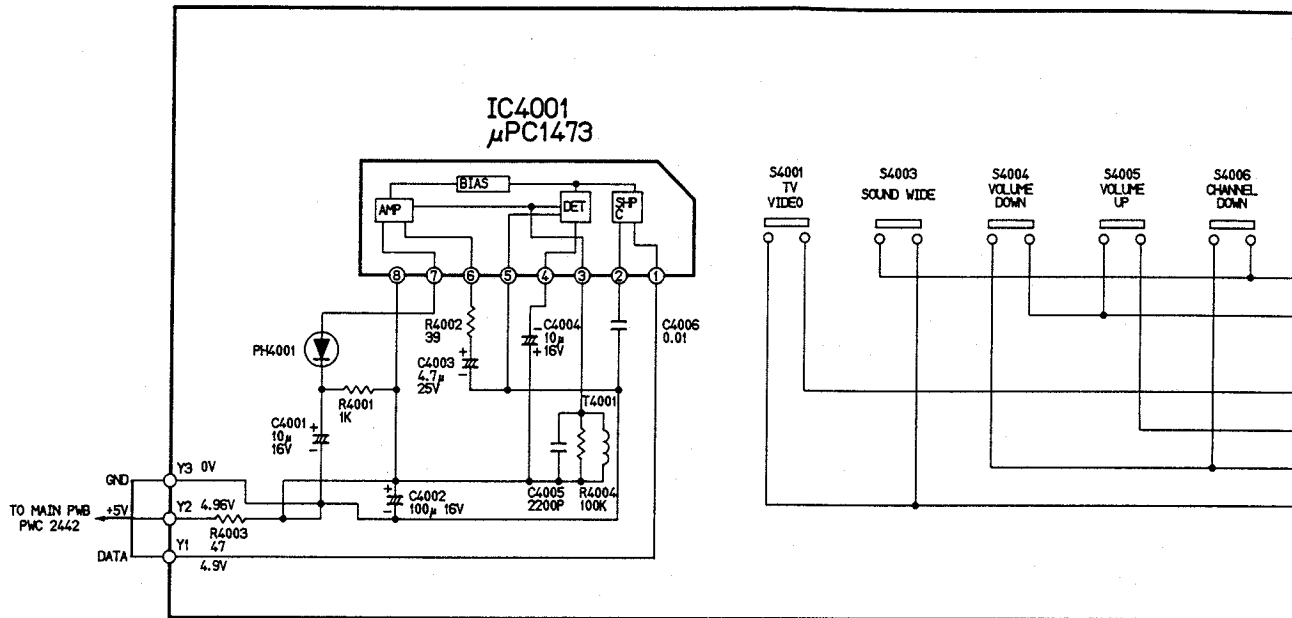




# MODEL FS-2120PIX

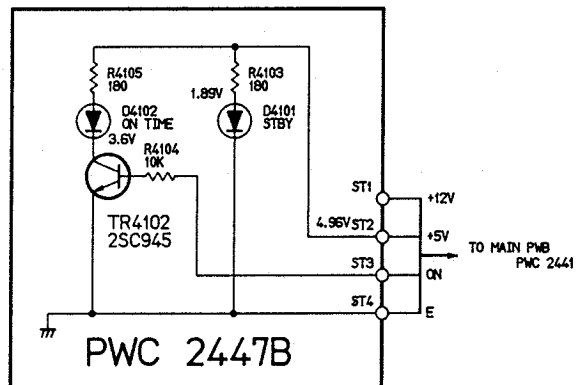
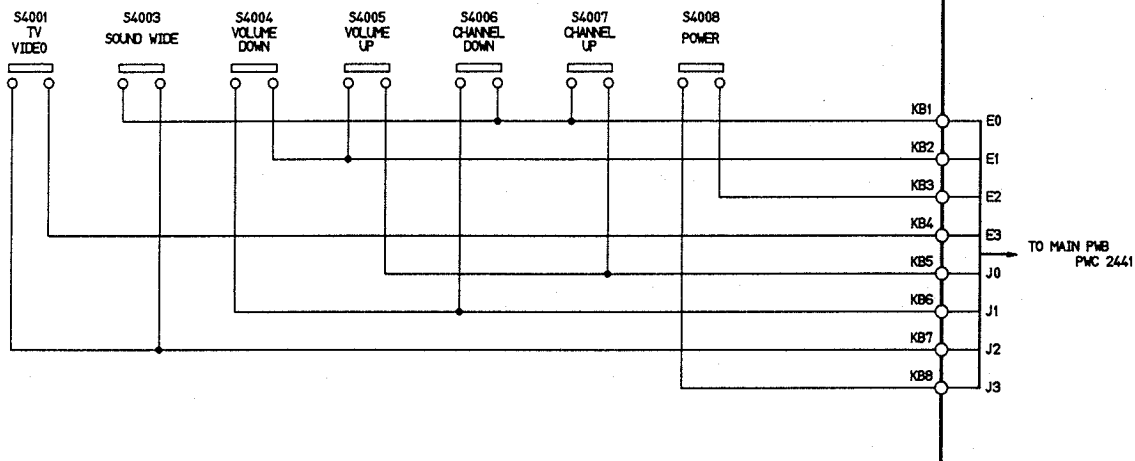
## CTL LED PWB

### SCHEMATIC DIAGRAM





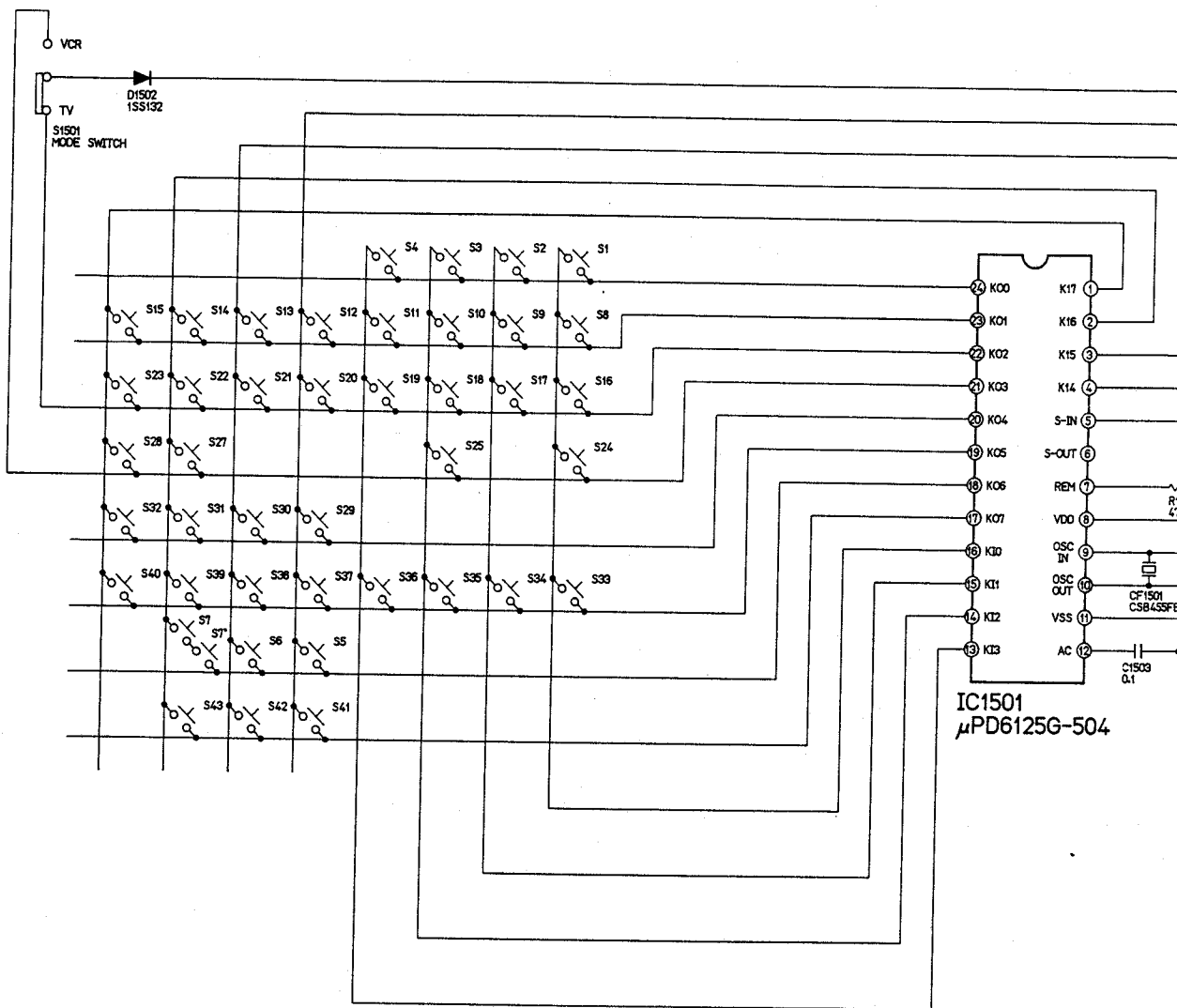
# PWC 2447A CTL LED PWB



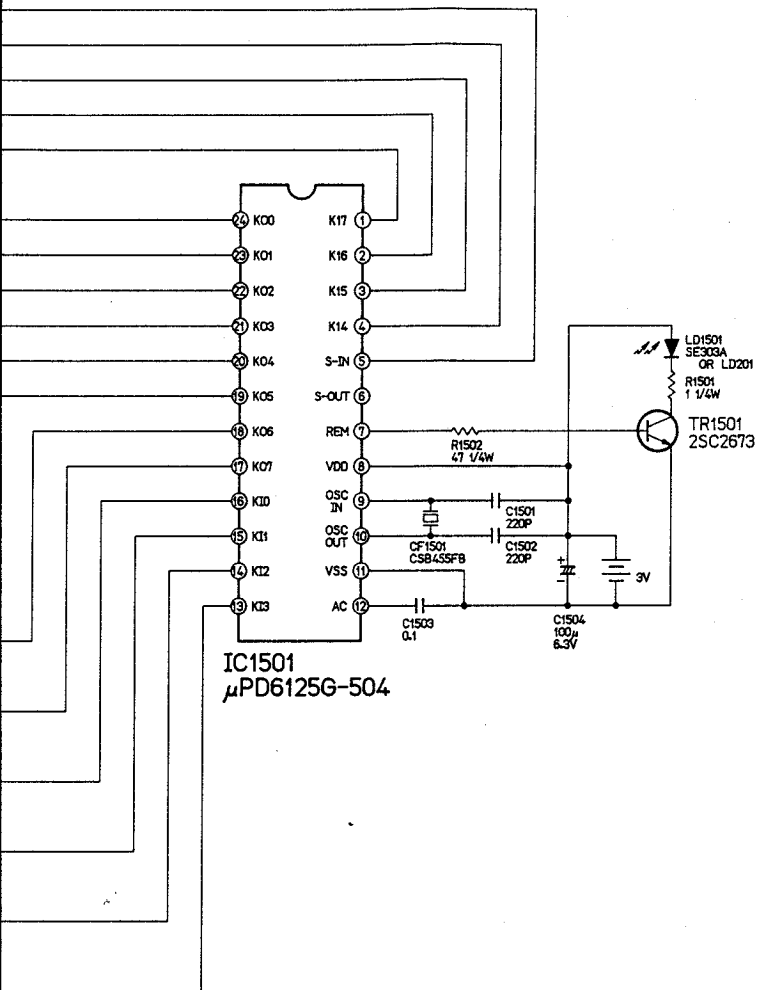
# MODEL FS-2120PIX

## REMOTE CONTROL (RC-1007E) (RC-1008E)

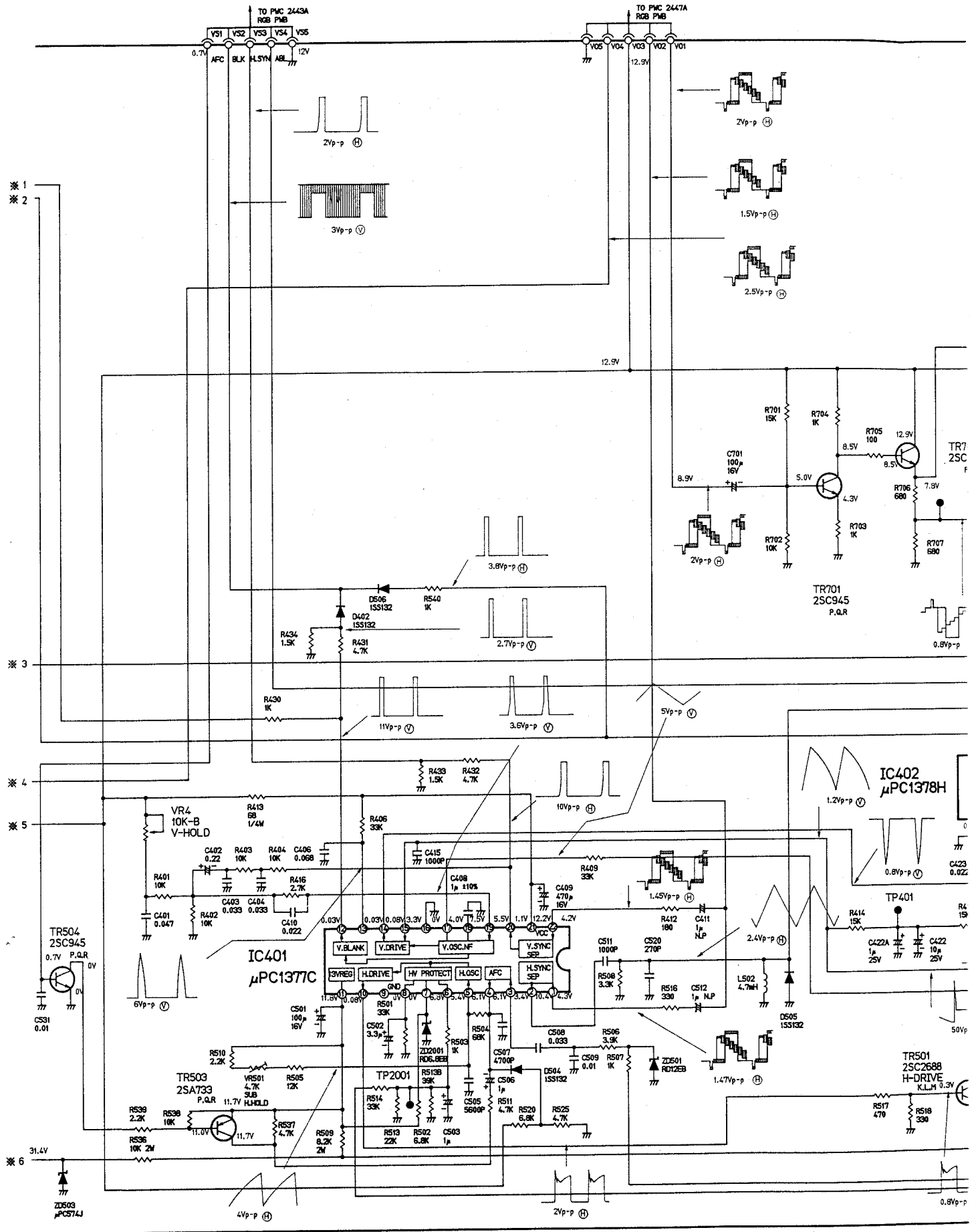
### SCHEMATIC DIAGRAM

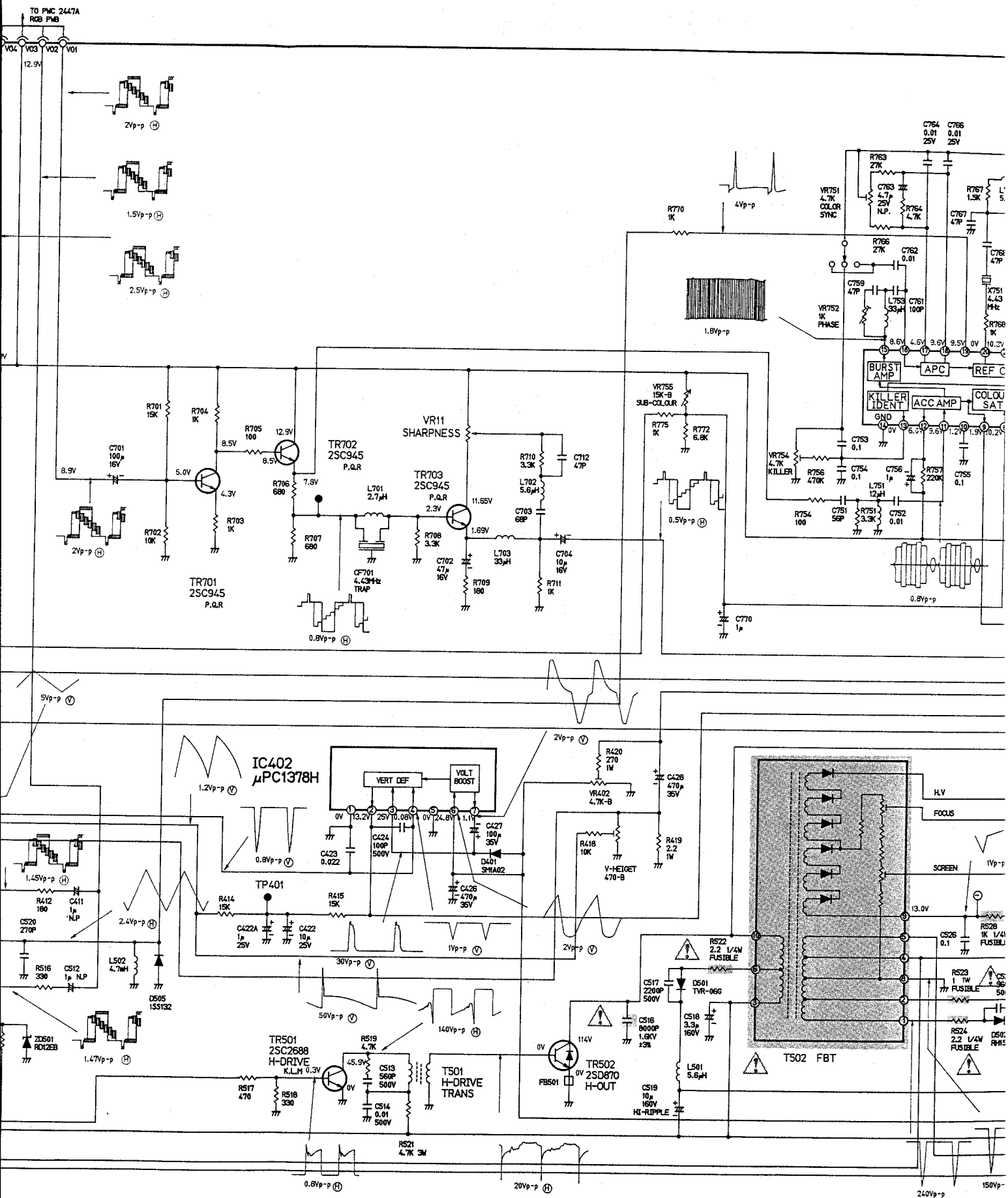


C-1008E)

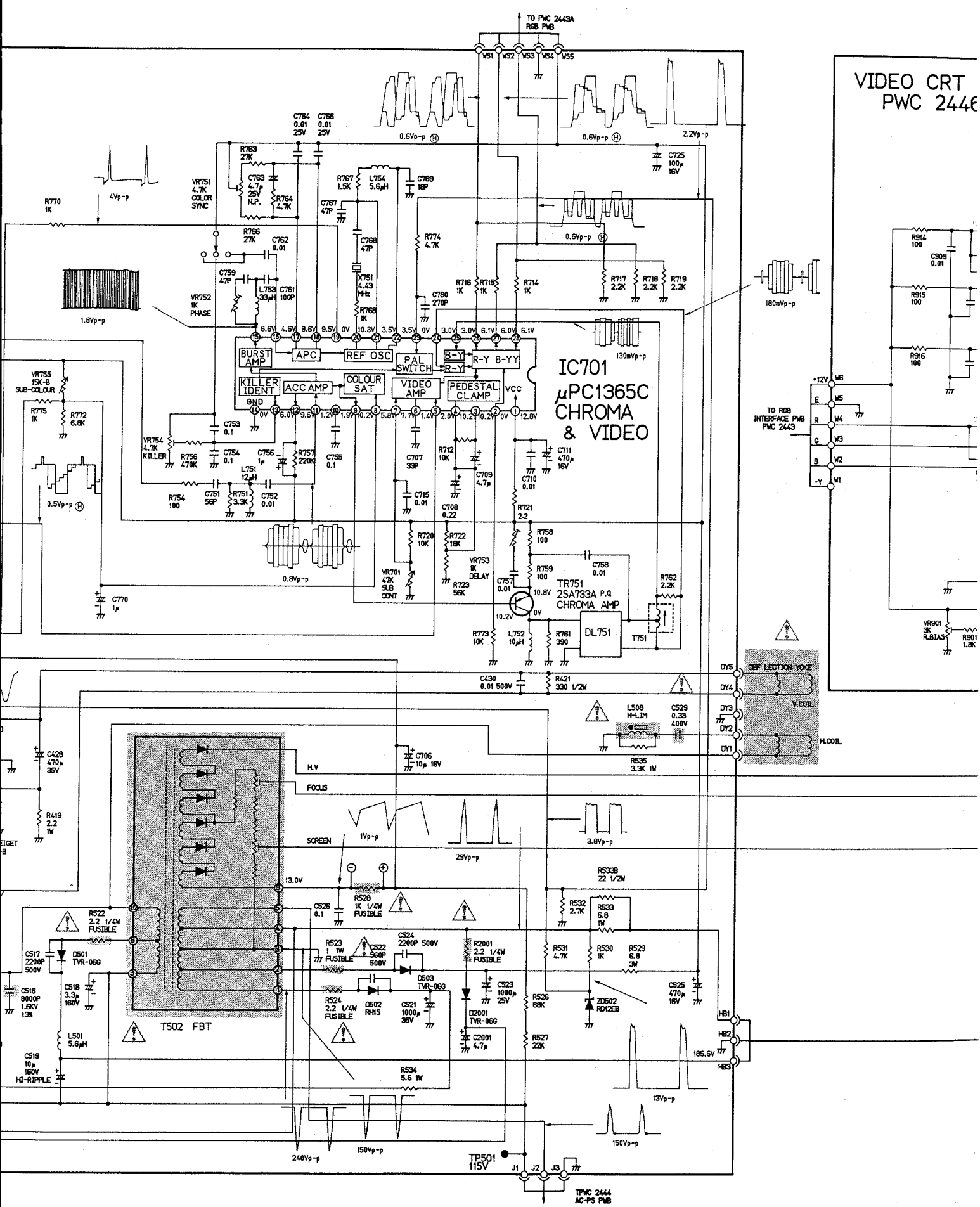


			COMMAND			
			TV		VCR	
KEY SW	MODE SW	CUSTOM	18	18	19	19
S1	0	0	CH UP		CH UP	
S2	0	1	CH DOWN		CH DOWN	
S3	0	2	VOLUME UP			
S4	0	3	VOLUME DOWN			
S5	0	4			STOP	
S6	0	5			PLAY	
S7 S7	0	6			REC	
S8	0	8	POWER		POWER	
S9	0	9	MUTE			
S10	0	A	TV/V1/V2			
S11	0	B	ANALOG SW			
S12	0	C	ANALOG UP			
S13	0	D	ANALOG DOWN			
S14	0	E				
S15	0	F	CH CALL			
S16	1	0	1			
S17	1	1	2			
S18	1	2	3			
S19	1	3	4			
S20	1	4	5			
S21	1	5	6			
S22	1	6	7			
S23	1	7	8			
S24	1	8	9			
S25	1	A	0			
S26	1	D	PGM I/II			
S27	1	E	OFF TIMER			
S28	1	F	ON TIMER			
S29	5	4	TOP / BOTTOM / FULL			
S30	5	5	REVEAL			
S31	5	6	HOLD			
S32	5	7	RESET			
S33	5	8	TIMED PAGE			
S34	5	9	DISPLAY			
S35	5	A	INIT			
S36	5	B	STORE			
S37	5	C	ROTATE			
S38	5	D	LIST			
S39	5	E	BROWSE			
S40	5	F	PICTURE / TEXT / Box			
S41	0	C			FF	
S42	0	D			REWIND	
S43	0	E			PAUSE	

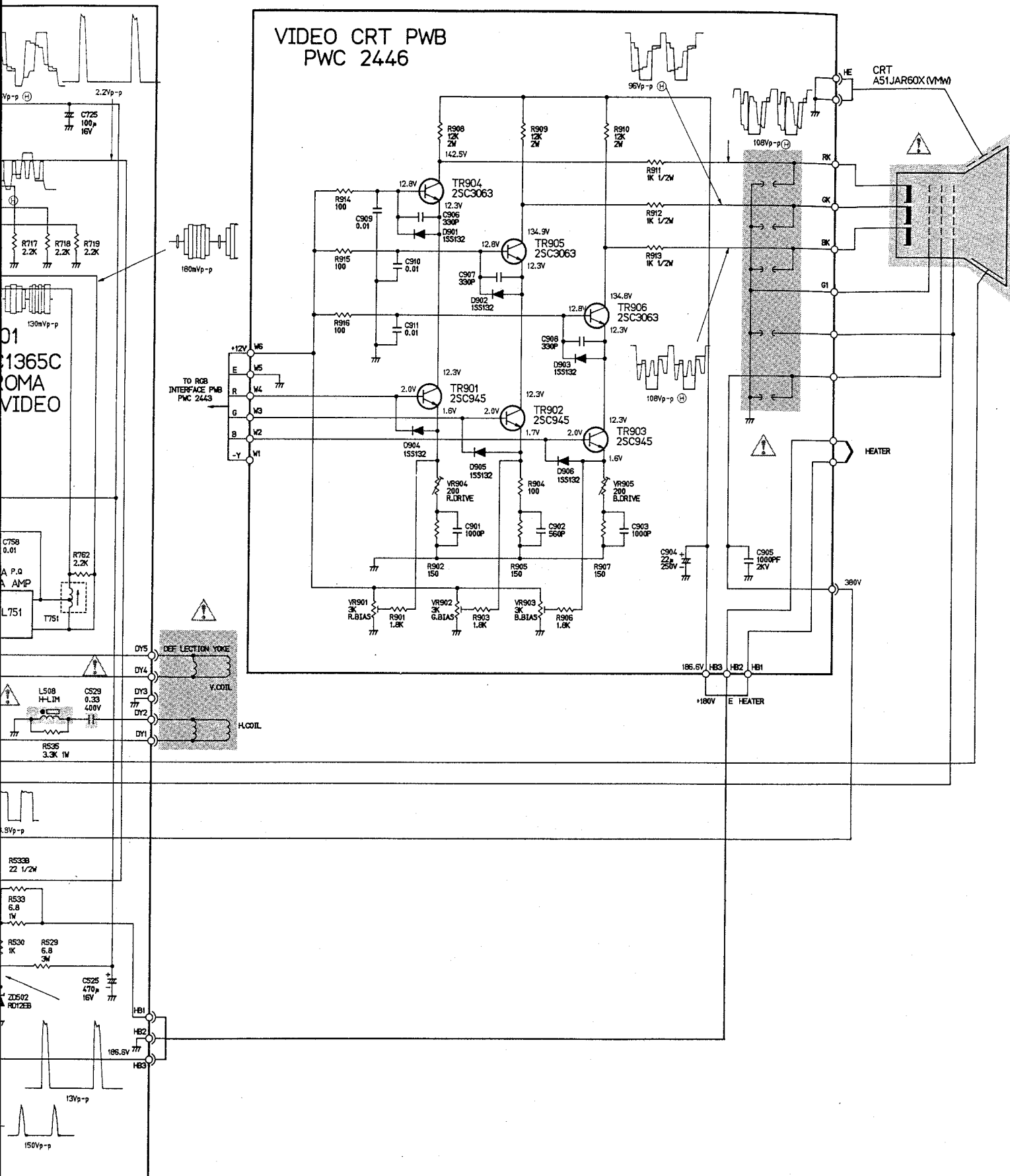




# VIDEO CRT PWC 2446



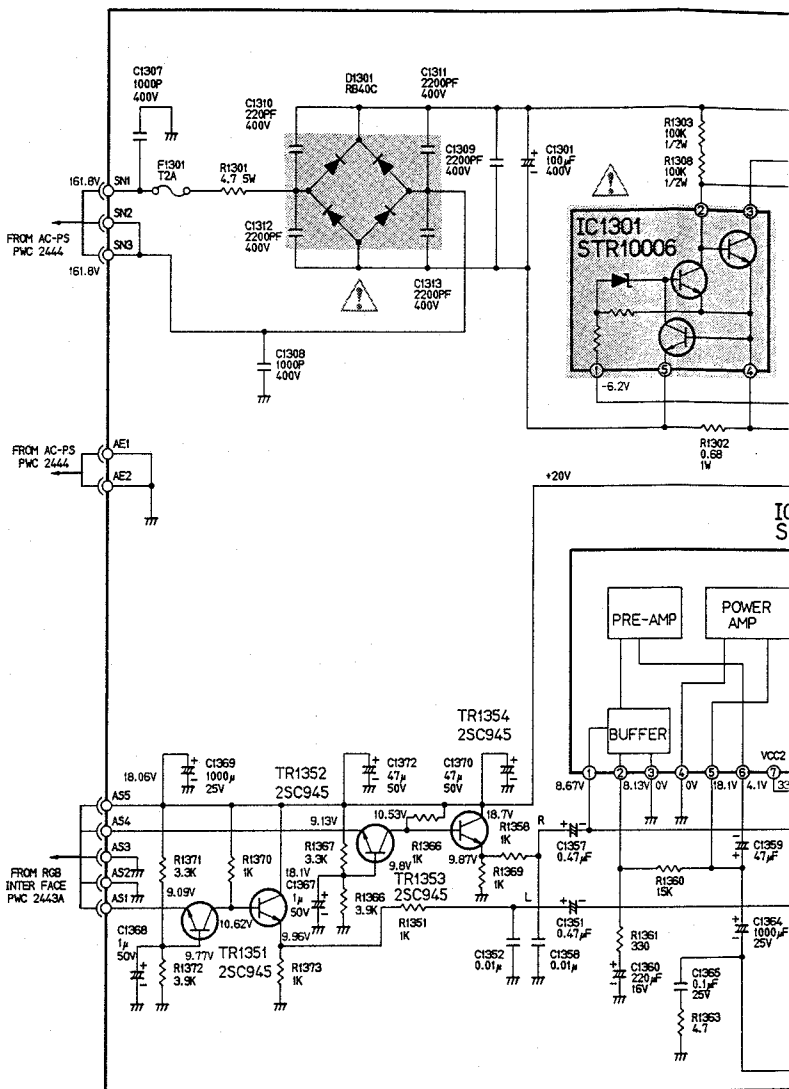
# VIDEO CRT PWB PWC 2446



# MODEL FS-2120PIX

## SND OUT

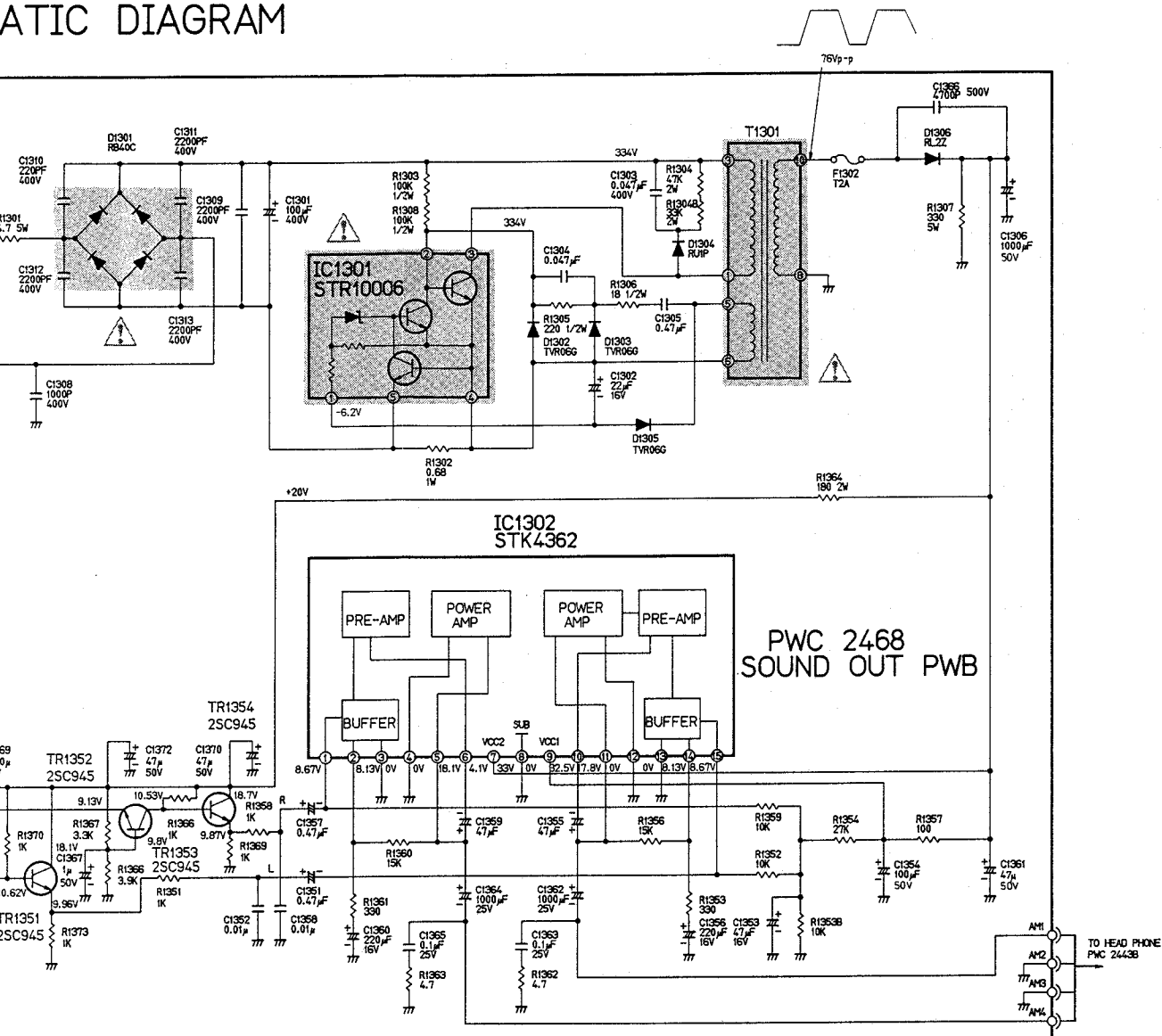
### SCHEMATIC DIAGRAM



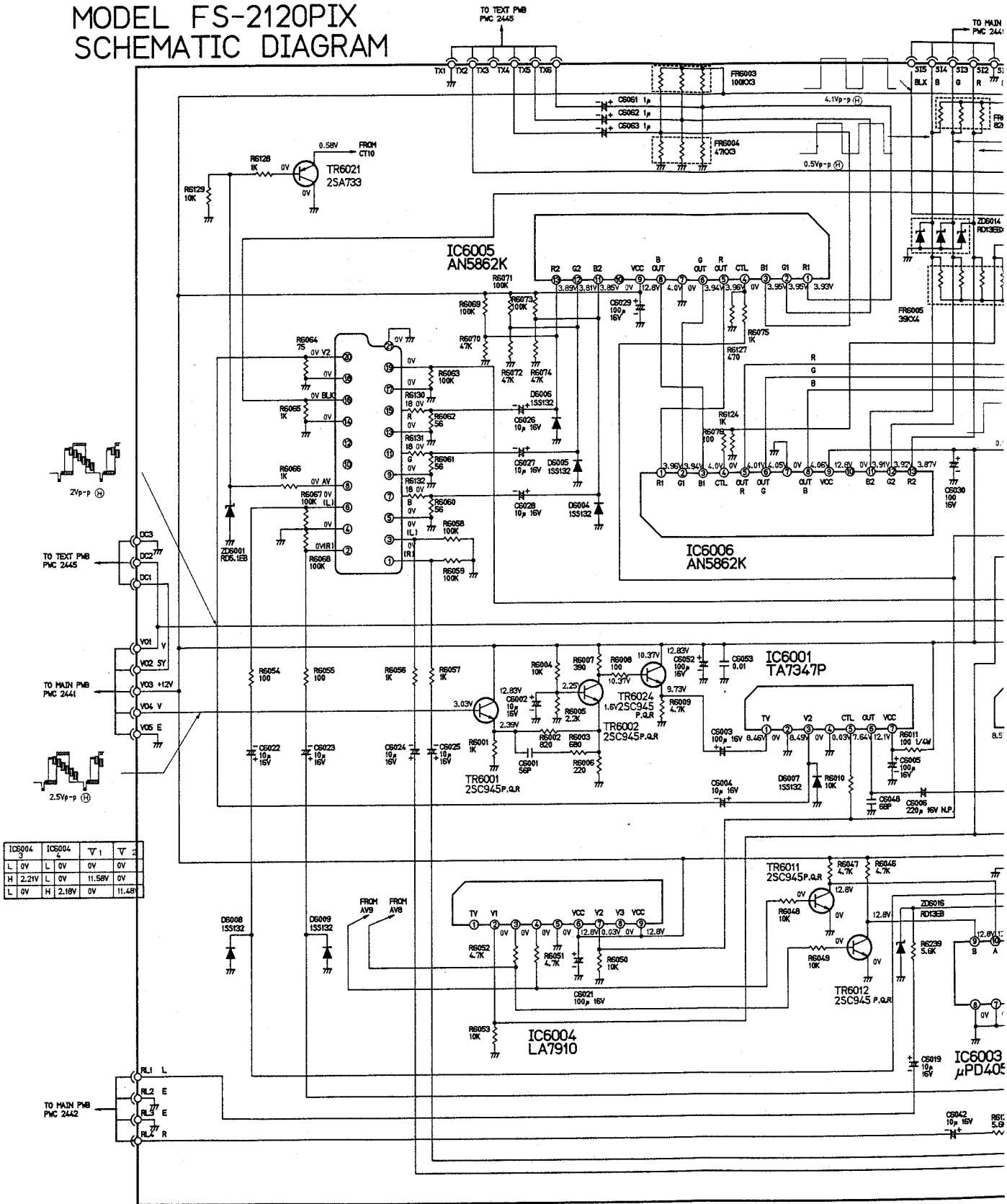


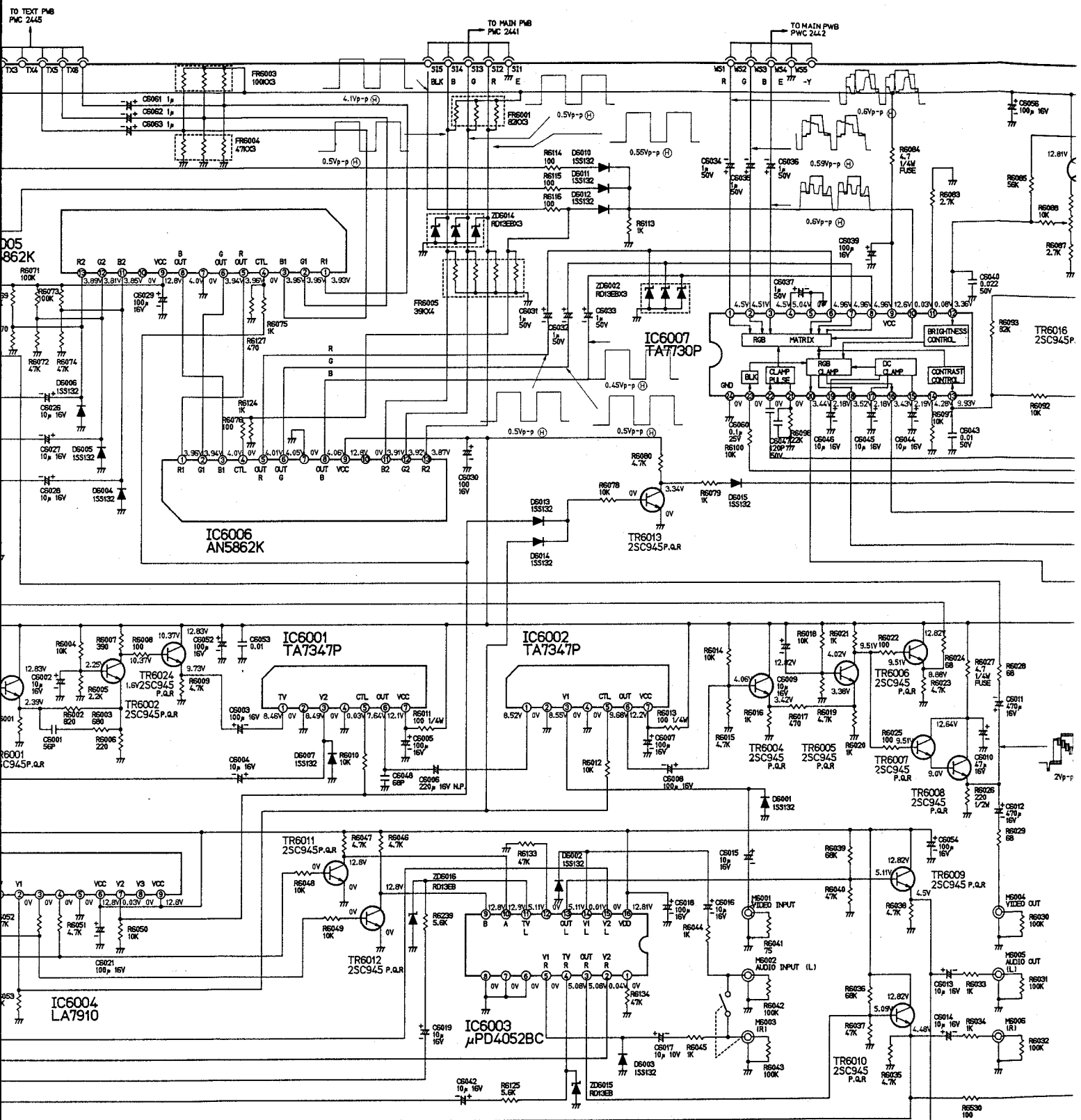
FS-2120PIX  
UT  
ATIC DIAGRAM

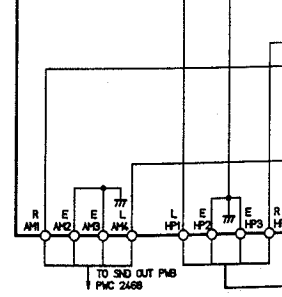
RUN NO. 2

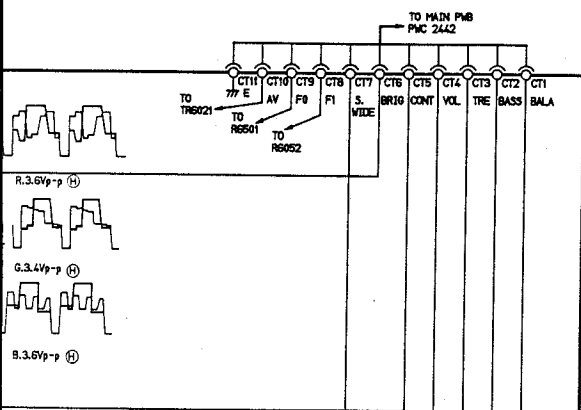


MODEL FS-2120PIX  
SCHEMATIC DIAGRAM

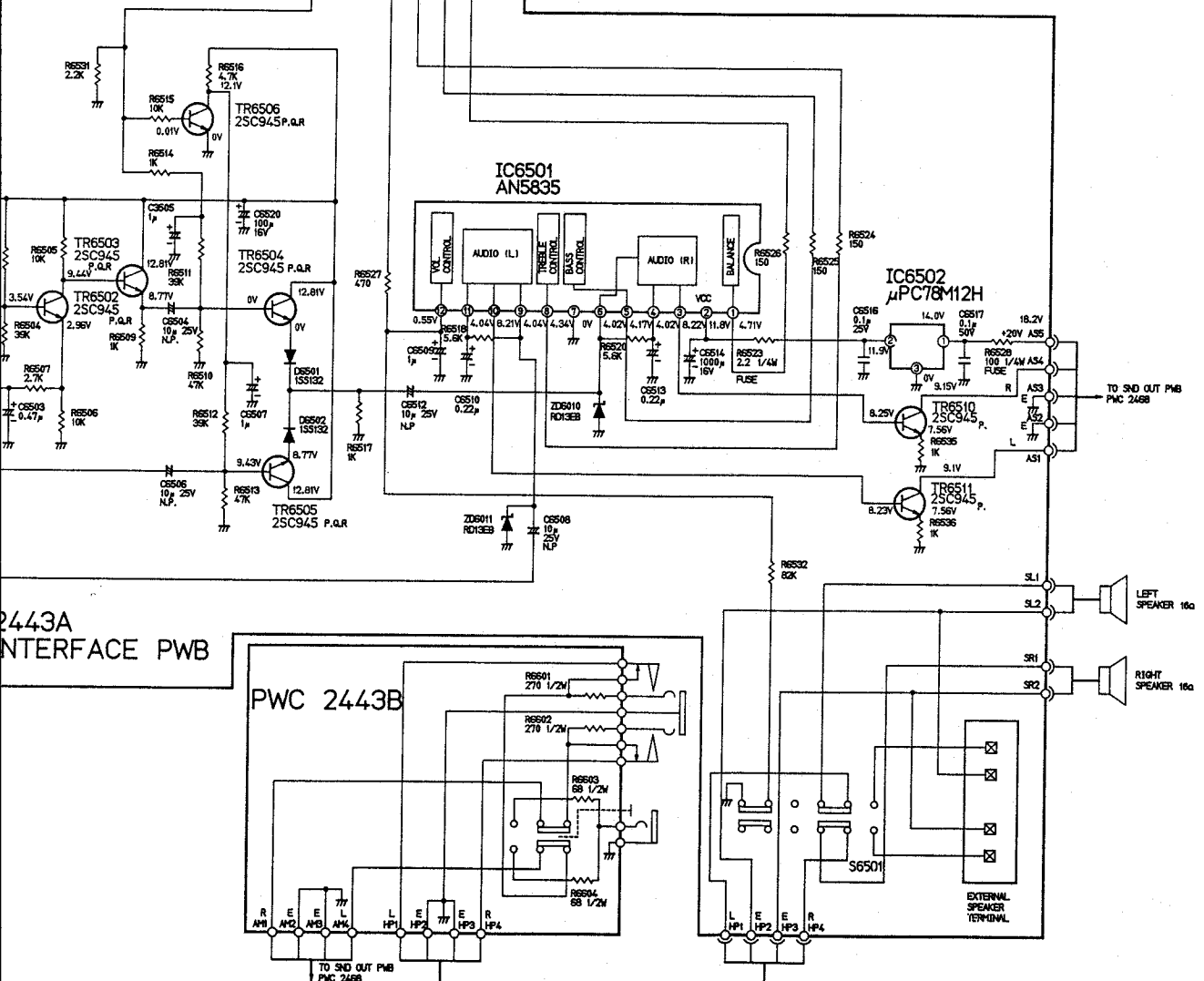
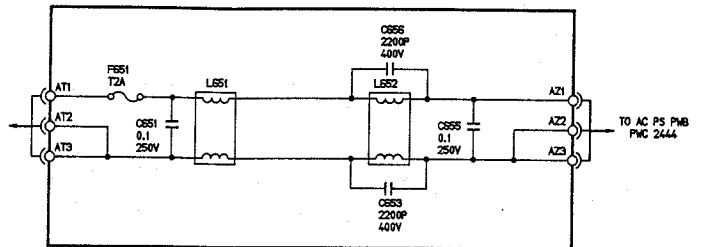








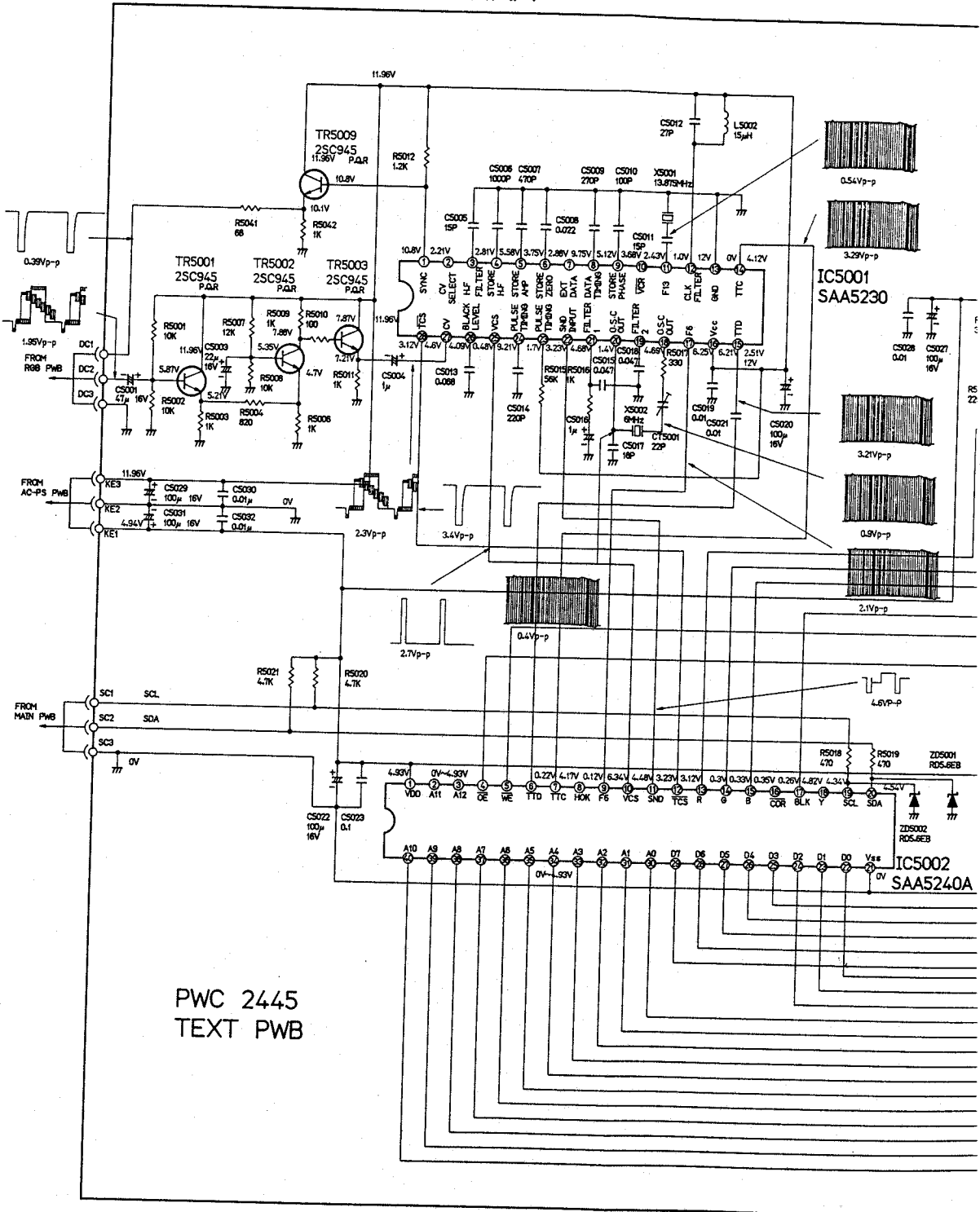
# MODEL FS-2120PIX LINE FILTER SCHEMATIC DIAGRAM



# MODEL FS-2120PIX

## TEXT PWB

### SCHEMATIC DIAGRAM



PWC 2445  
TEXT PWB

