



# SERVICE MANUAL

**20" COLOR TELEVISION  
with TELETEXT**

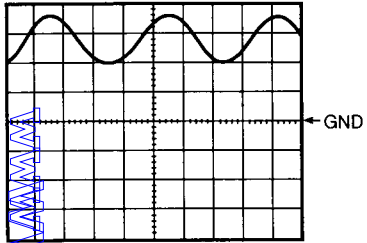
**TV-2000T MK8**



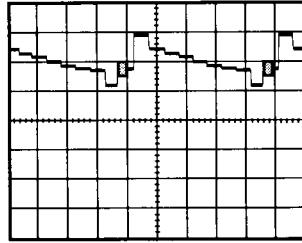
# WAVEFORMS

WFa ~ W Ft = Waveforms to be observed at  
Waveform check points.  
(Shown in Schematic Diagram.)

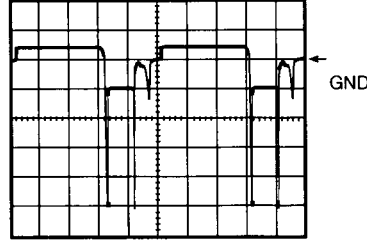
**Input:** PAL Color Bar Signal (with 1KHz Audio Signal)  
**Receiving Ch.:** E2 ch (48.25MHz)  
**Preset Mode:** Press Picture Select button on the remote control unit,  
then press the number "1" button.  
(Brightness—Center Color—Center Contrast—Approx 70%)



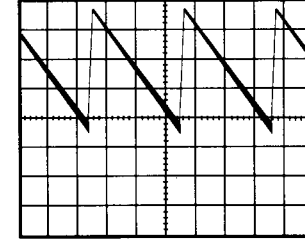
WFa 1DIV: 1V 0.2msec



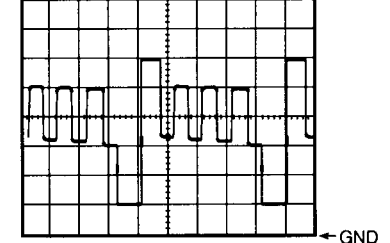
WFe 1DIV: 0.5V 10µsec



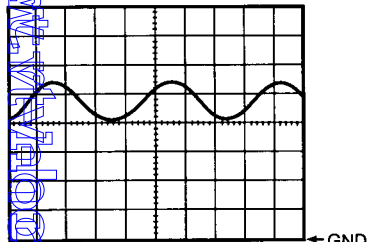
WFi 1DIV: 2V 10µsec



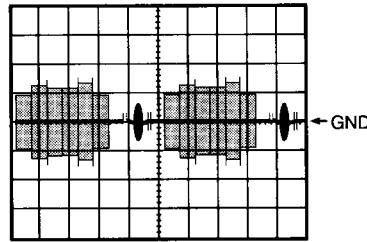
WFn 1DIV: 0.5V 5msec



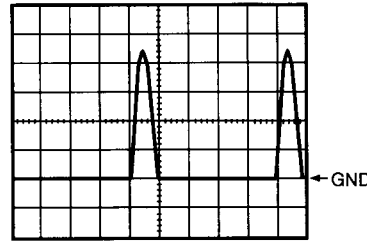
WFq 1DIV: 1V 10µsec



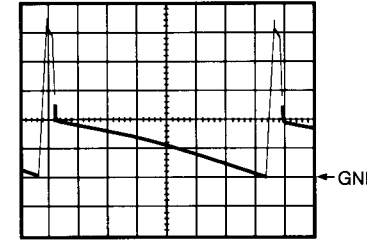
Wfb 1DIV: 1V 0.2msec



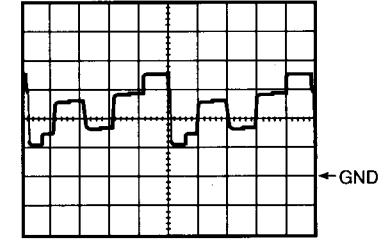
Wff 1DIV: 0.2V 10µsec



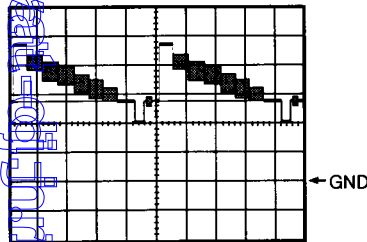
WFj 1DIV: 250V 10µsec



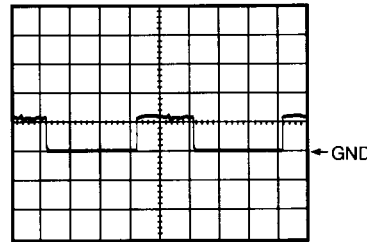
Wfn 1DIV: 10V 2msec



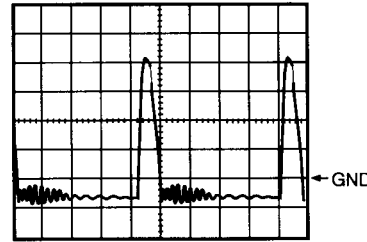
Wfr 1DIV: 50V 10µsec



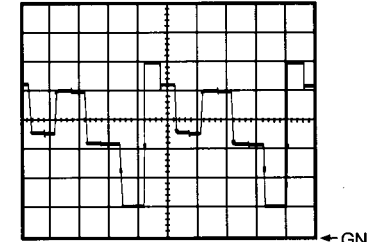
Wfc 1DIV: 1V 10µsec



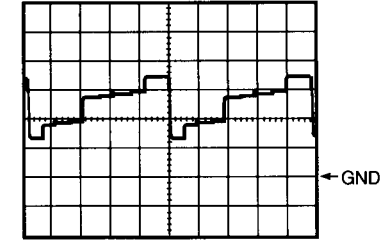
Wfg 1DIV: 0.5V 10µsec



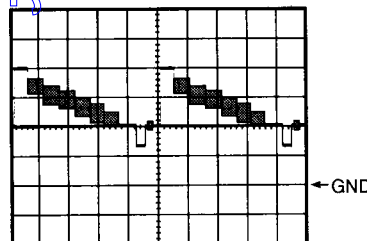
Wfk 1DIV: 5V 10µsec



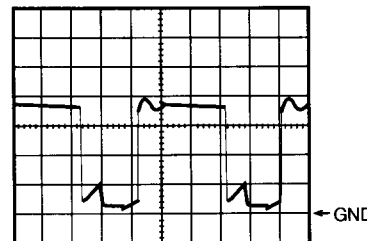
Wfo 1DIV: 1V 10µsec



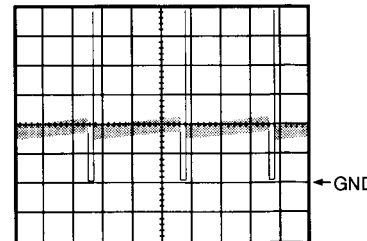
Wfs 1DIV: 50V 10µsec



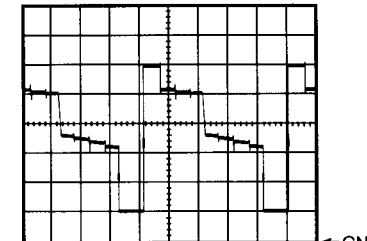
Wfd 1DIV: 1V 10µsec



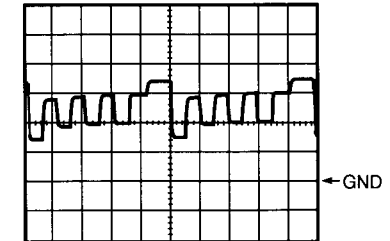
Wfh 1DIV: 50V 10µsec



Wfi 1DIV: 0.5V 5msec

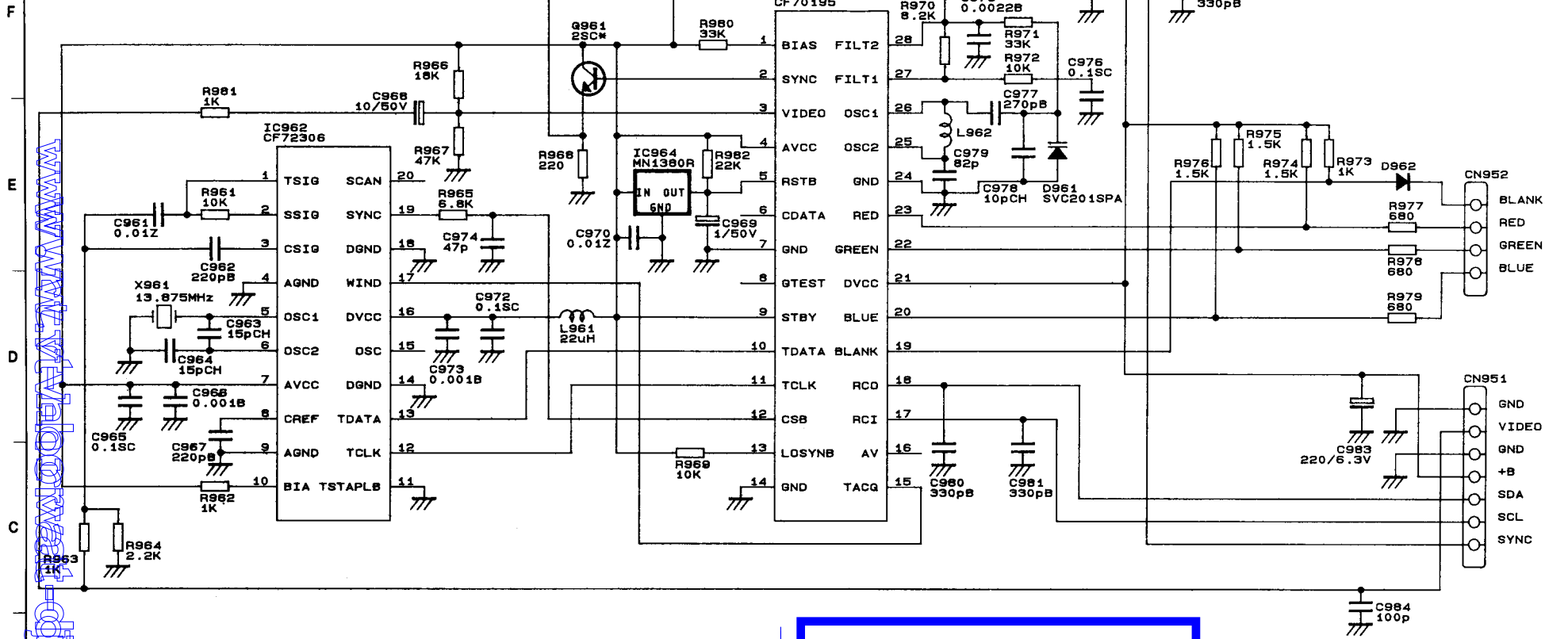


Wfp 1DIV: 1V 10µsec







Wft 1DIV: 50V 10µsec

# Teletext Schematic Diagram

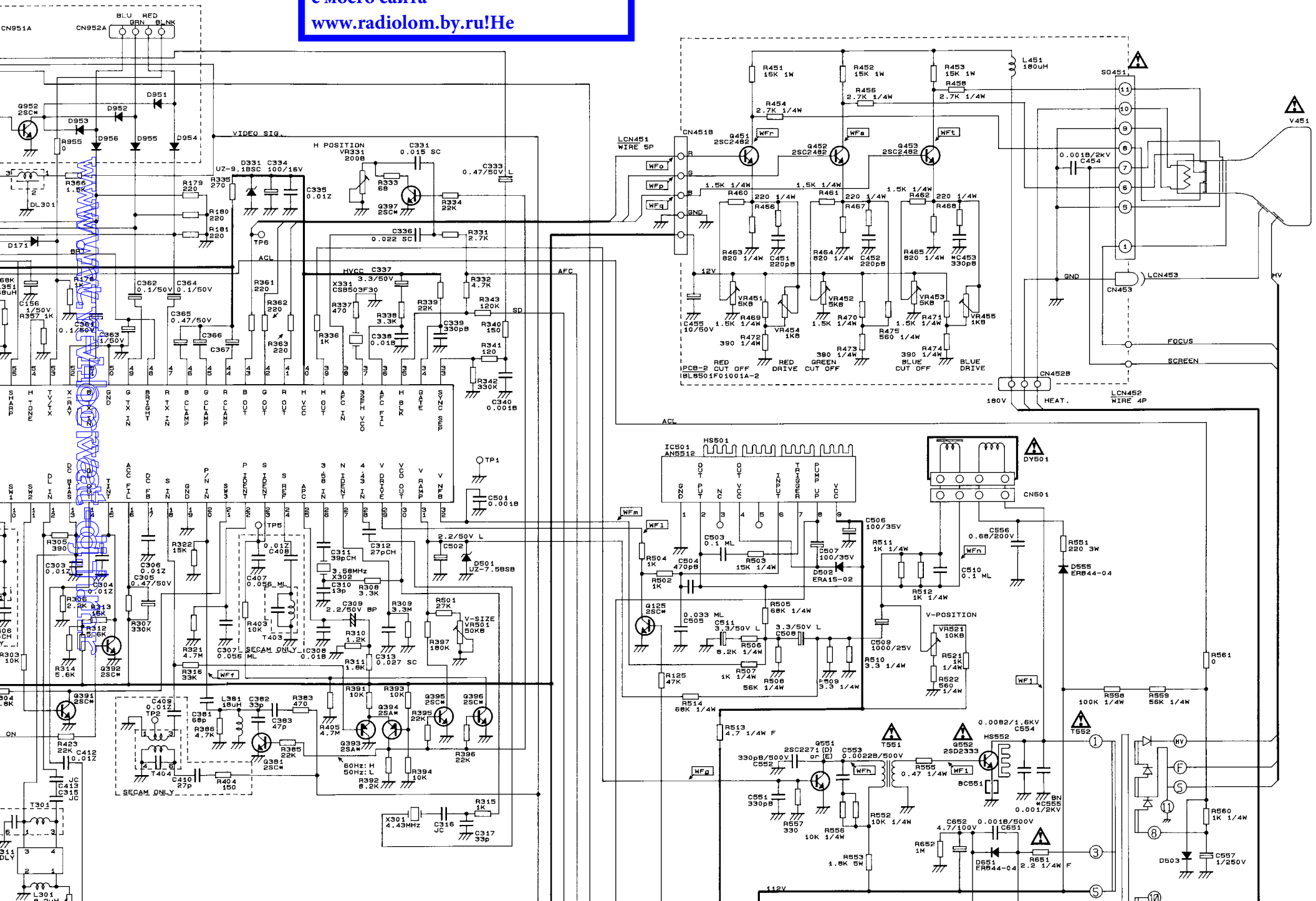


## NOTES:

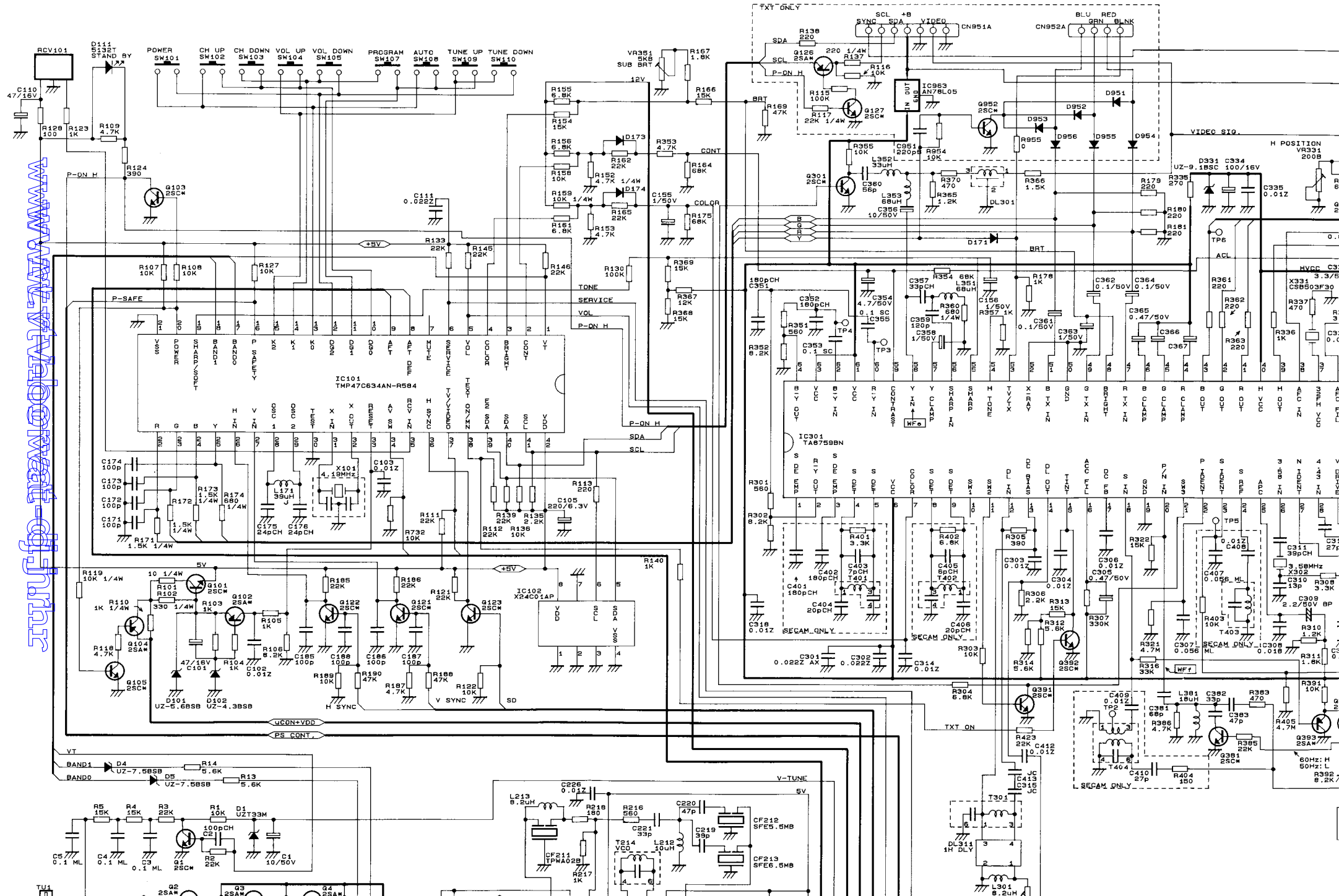
- CHASSIS SCHEMATIC DIAGRAM NOTES.
1. ALL RESISTOR VALUES ARE IN OHMS. K=1000, M=1000K.
  2. ALL CAPACITANCE VALUES ARE IN uF UNLESS OTHERWISE NOTED. pF=uuF.
  3.  SAFETY REQUIREMENTS COMPONENT IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS. THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.
  4.  IS COLD GROUND.
  5.  IS HOT GROUND.
  6.  WAVEFORM READINGS.
  7. NO INDICATED DIODES ARE USED 1N4148M.
  8. NO INDICATED 2SC\* ARE USED KTC3199.
  9. NO INDICATED 2SA\* ARE USED KTA1267.

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с моего сайта  
[www.radiolom.by.ru](http://www.radiolom.by.ru)! Не



# Main / CRT Schematic Diagram



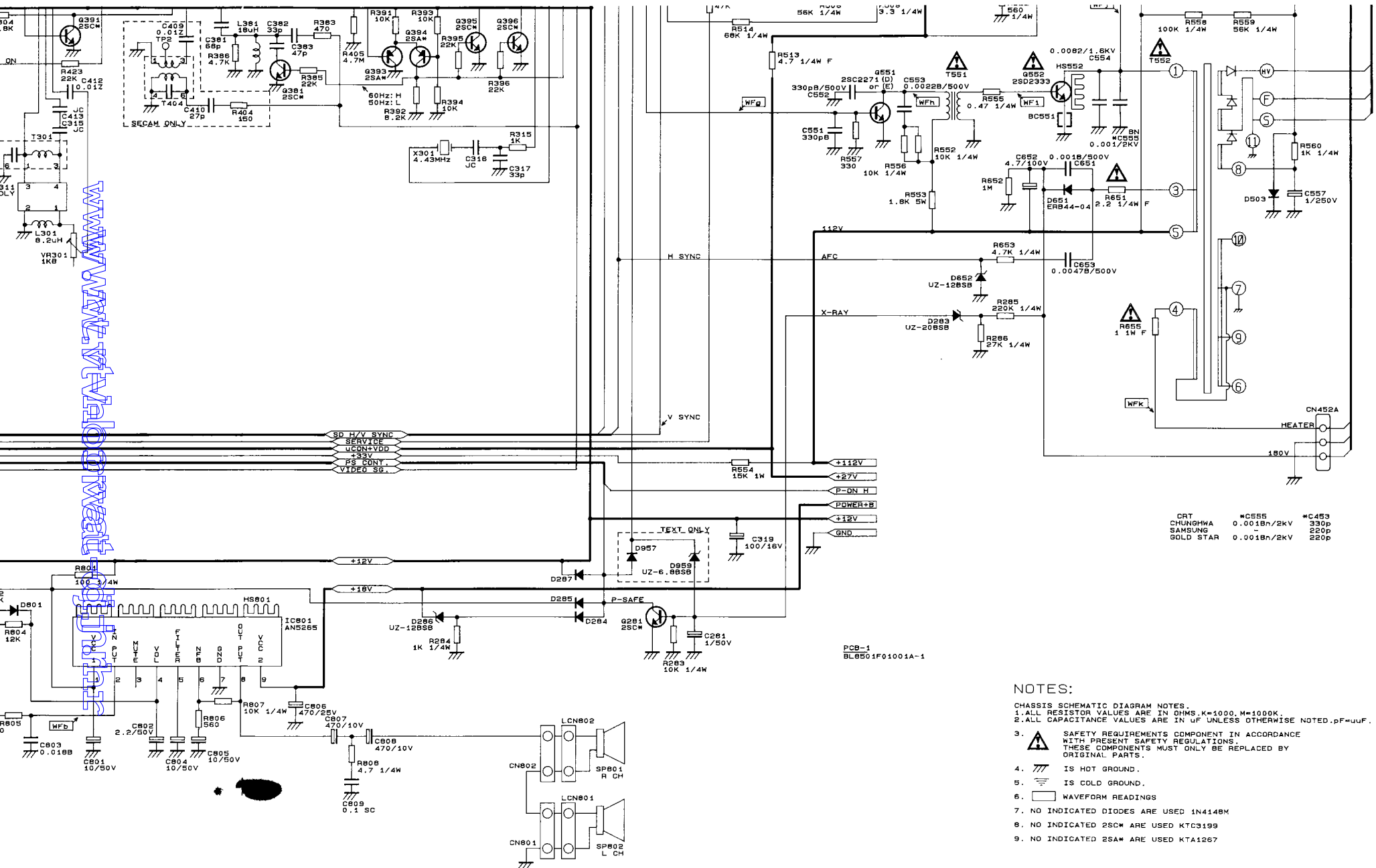
WWW.VIDEOWARE.COM

G





F

E

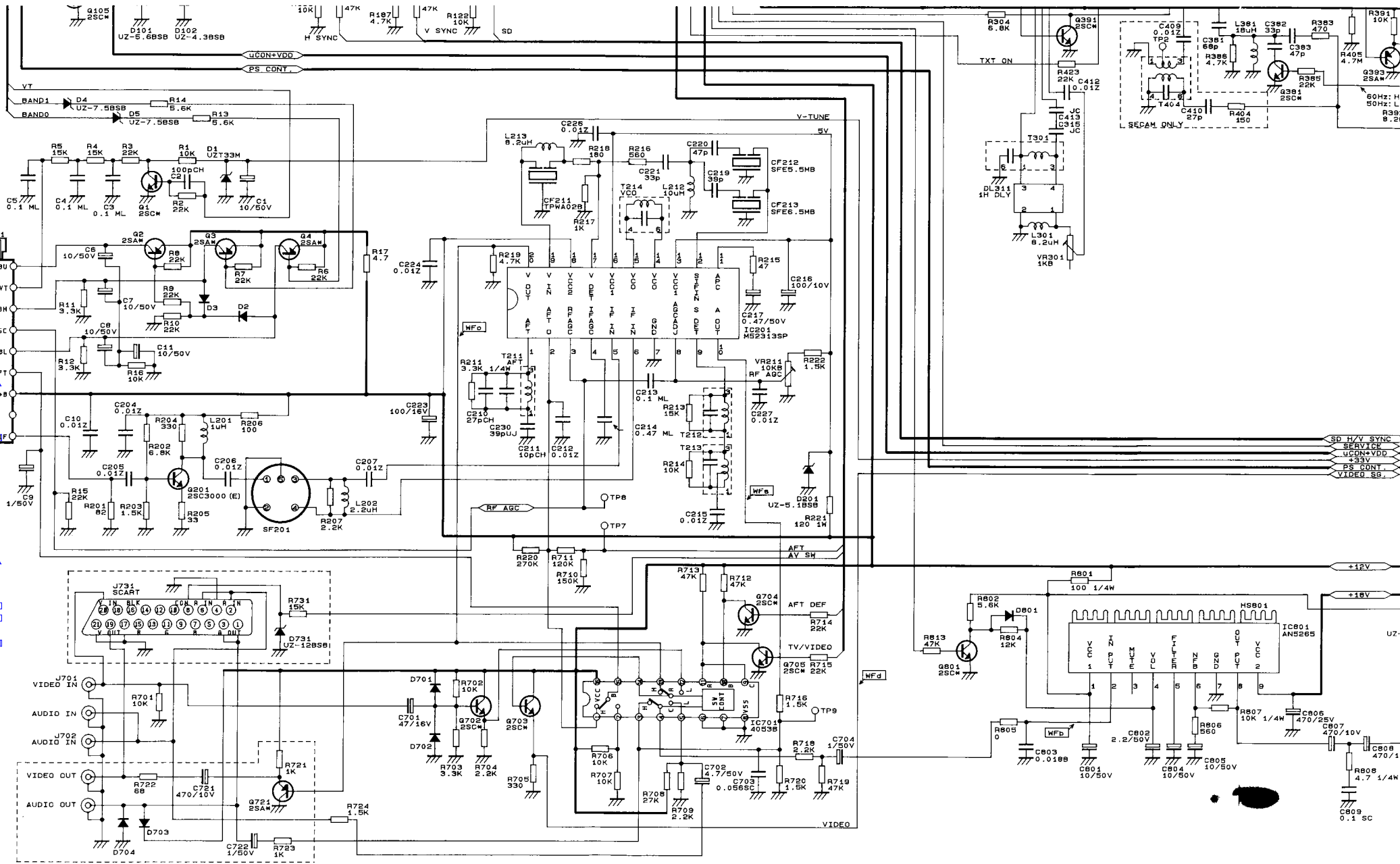
D



**NOTES:**

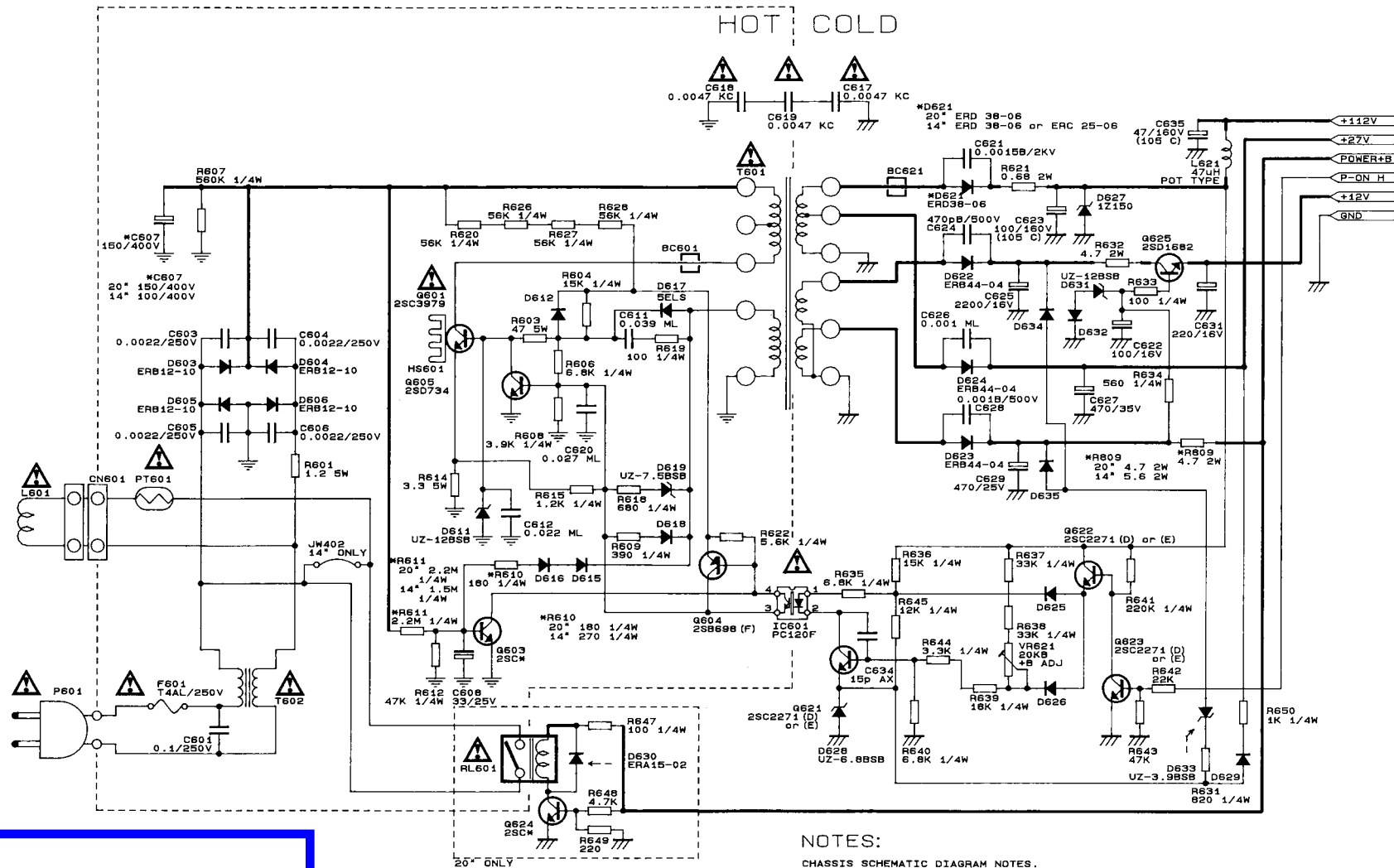
- CHASSIS SCHEMATIC DIAGRAM NOTES.
1. ALL RESISTOR VALUES ARE IN OHMS, K=1000, M=1000K.
  2. ALL CAPACITANCE VALUES ARE IN uF UNLESS OTHERWISE NOTED. pF=uuF.
  3.  SAFETY REQUIREMENTS COMPONENT IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS. THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.
  4.  IS HOT GROUND.
  5.  IS COLD GROUND.
  6.  WAVEFORM READINGS
  7. NO INDICATED DIODES ARE USED IN4148M
  8. NO INDICATED 2SC ARE USED KTC3199
  9. NO INDICATED 2SA\* ARE USED KTA1267

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1 2 3 4 5 6 7

# Power Supply Schematic Diagram



## NOTES:

- CHASSIS SCHEMATIC DIAGRAM NOTES.
1. ALL RESISTOR VALUES ARE IN OHMS, K=1000, M=1000K.
  2. ALL CAPACITANCE VALUES ARE IN UF UNLESS OTHERWISE NOTED. pF=μUF.
  3. SAFETY REQUIREMENTS COMPONENT IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS. THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.
  4. IS COLD GROUND.
  5. IS HOT GROUND.
  6. WAVEFORM READINGS.
  7. NO INDICATED DIODES ARE USED 1N4148M.
  8. NO INDICATED 2SC\* ARE USED KTC3199.
  9. NO INDICATED 2SA\* ARE USED KTA1267.

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3 4 5 6 7 8 9