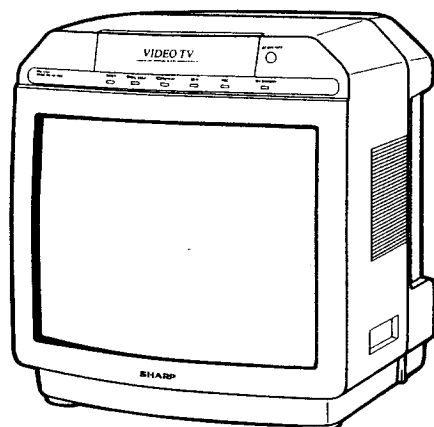


SHARP

SERVICE MANUAL

S82D1VT1480D/



TECHNICAL
MUST NOT BE
ON CEE OFFICE
VIDEO TV
Chassis No. VT-1

MODELS VT-1480D VT-2198(D)

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used

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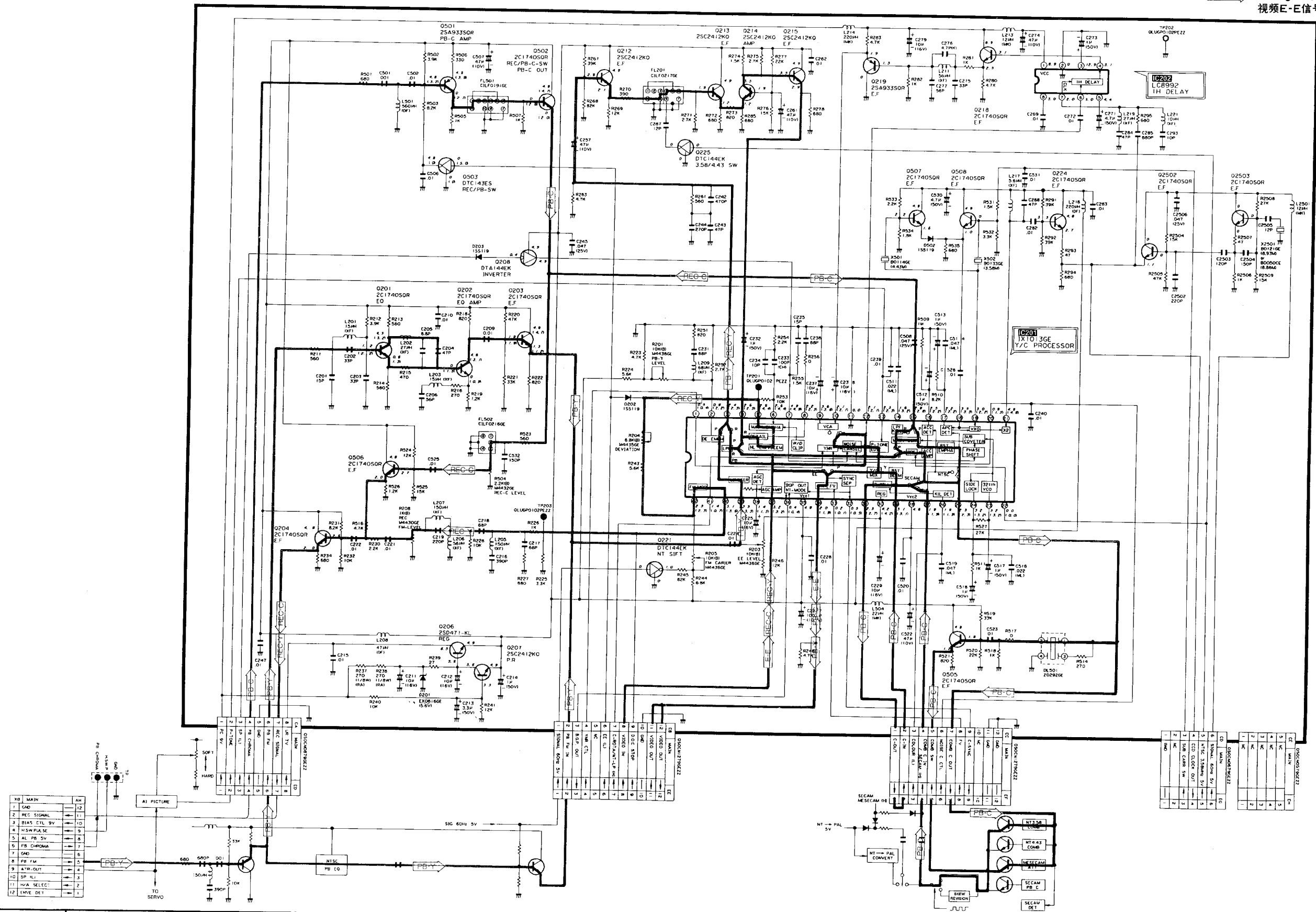
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SHARP CORPORATION

VT-1480D
VT-2198 (D)

亮度/色度(Y/C)信号电路(录象机部分)

	Recording Chrominance Signal 记录色度信号
	Recording Luminance Signal 记录亮度信号
	E-E Signal (Video) 视频E-E信号



★电压测定值
再现：括号中的数值
记录：括号外的数值

115

116

VT-1480D
VT-2198 (D)

VT-1480D
VT-2198 (D)

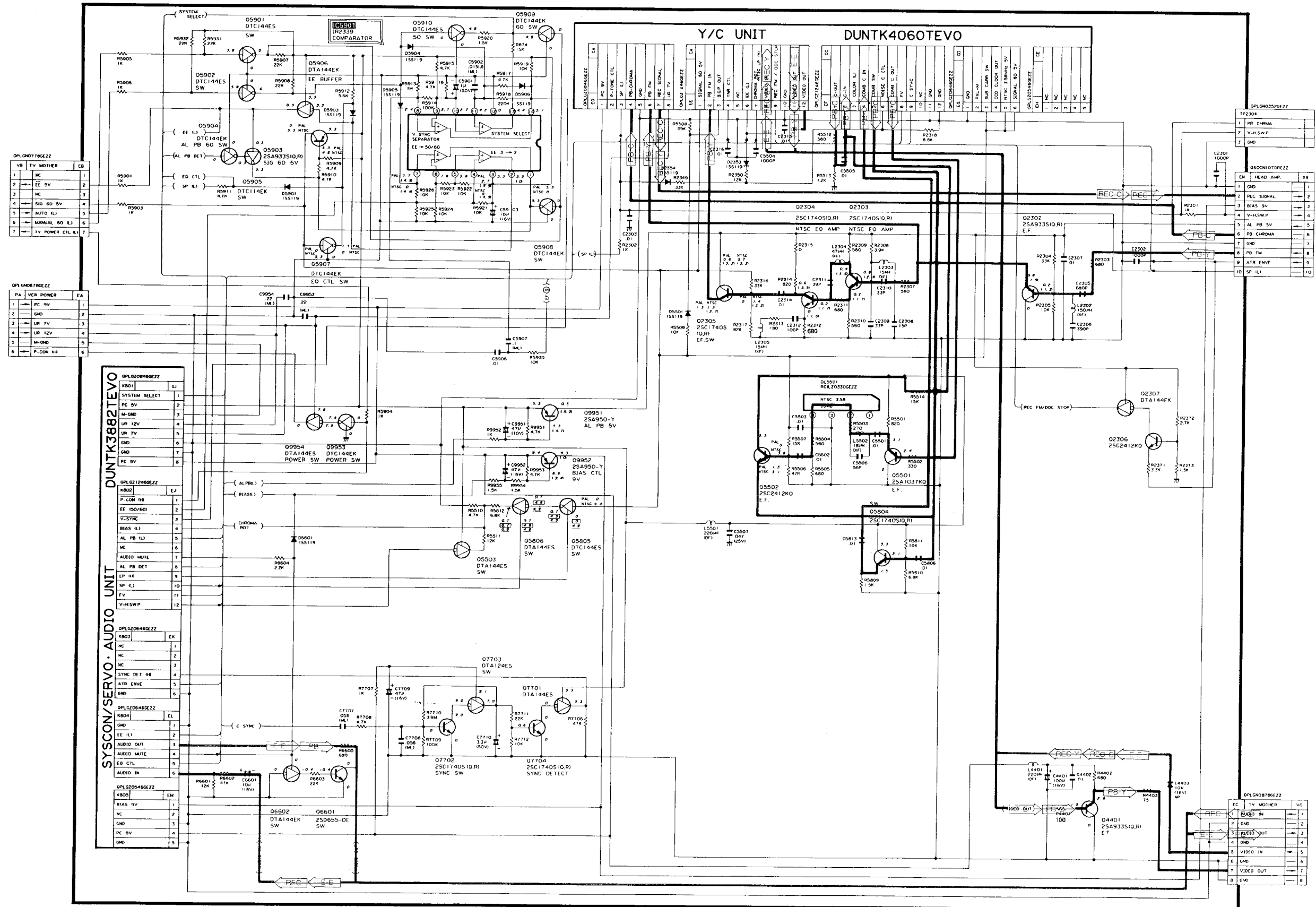
MAIN CIRCUIT (VCR Section)

主电路(录像机部分)

PB-C Playback Chrominance Signal
再现色度信号
PB-Y Playback Luminance Signal
再现亮度信号

REC-C Recording Chrominance Signal
记录色度信号
REC-Y Recording Luminance Signal
记录亮度信号

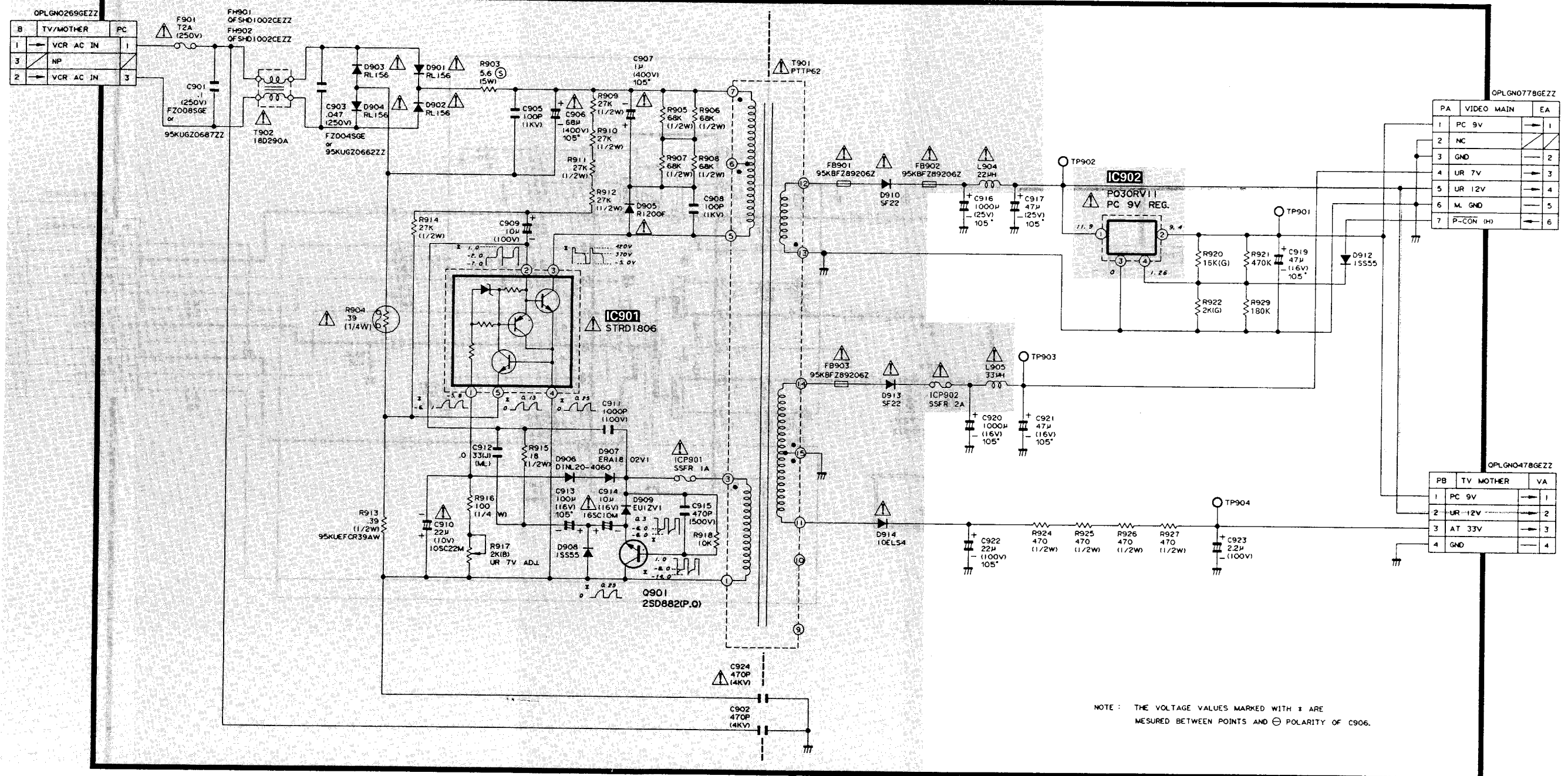
REC Audio Recording Signal
音频记录信号
PB Audio Playback Signal
音频再生信号
E-E E-E Signal
音频E-E信号



* VOLTAGE MEASUREMENT MODE ★电压测定值
PB Parentheses () 再现: 括号中的数值
REC Without Parentheses 记录: 括号外的数值

VCR-POWER CIRCUIT (VCR Section)

录象机电源电路(录象机部分)

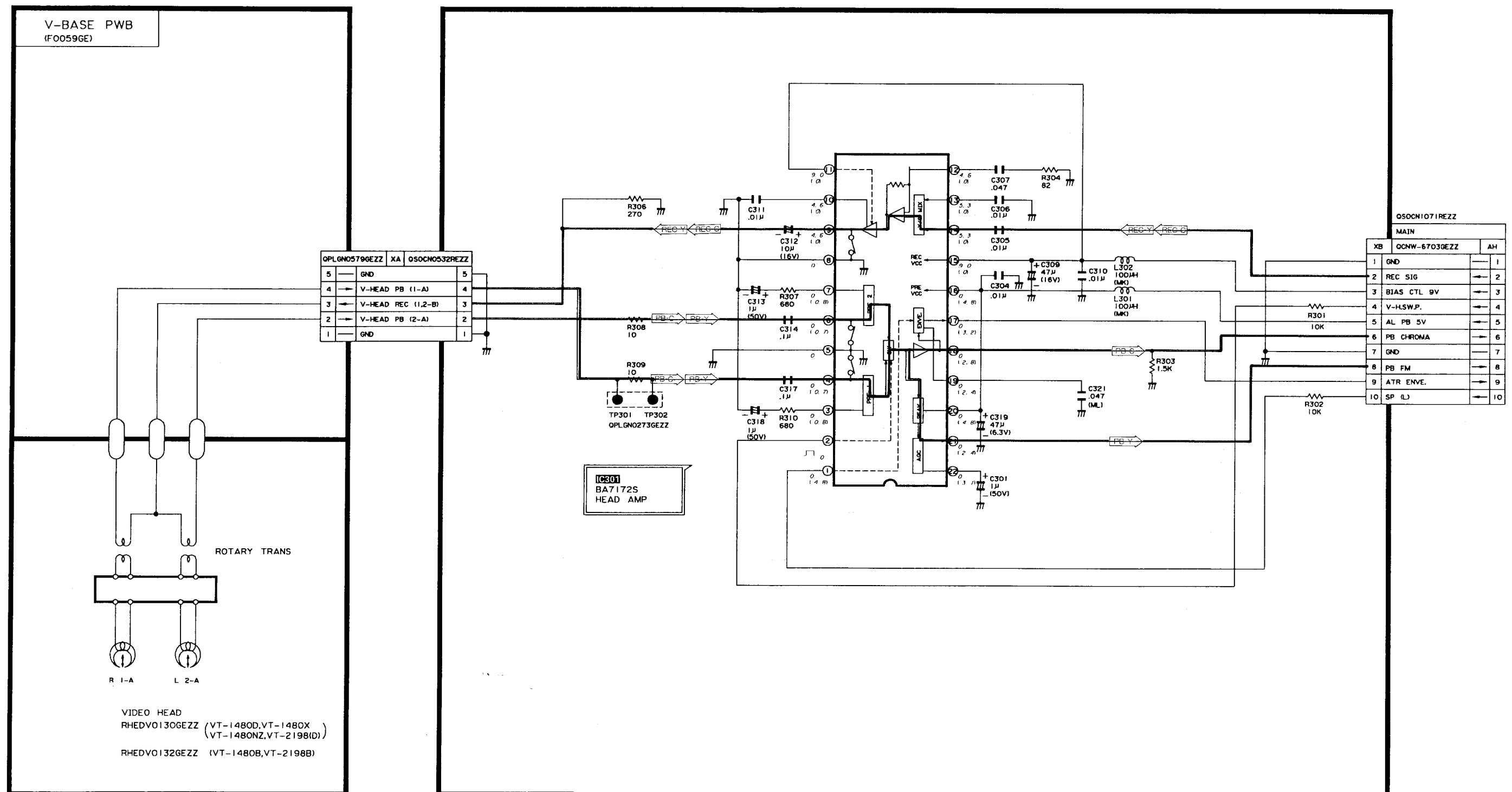


HEAD AMPLIFIER CIRCUIT (VCR Section)

前置放大器电路(录象机部分)

PB-C Playback Chrominance Signal
再现色度信号
PB-Y Playback Luminance Signal
再现亮度信号

REC-Y Recording Chrominance Signal
记录色度信号
REC-C Recording Luminance Signal
记录亮度信号



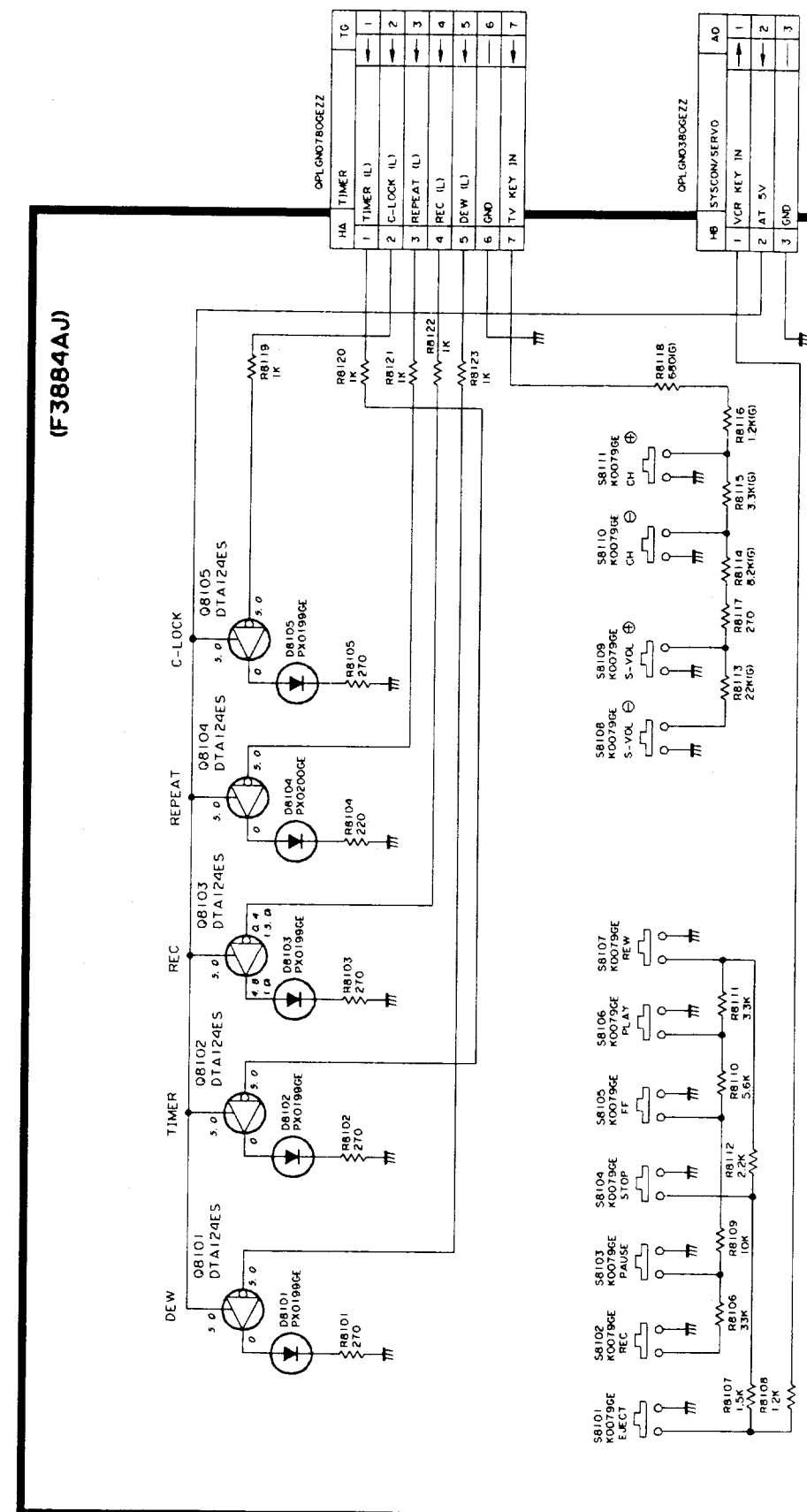
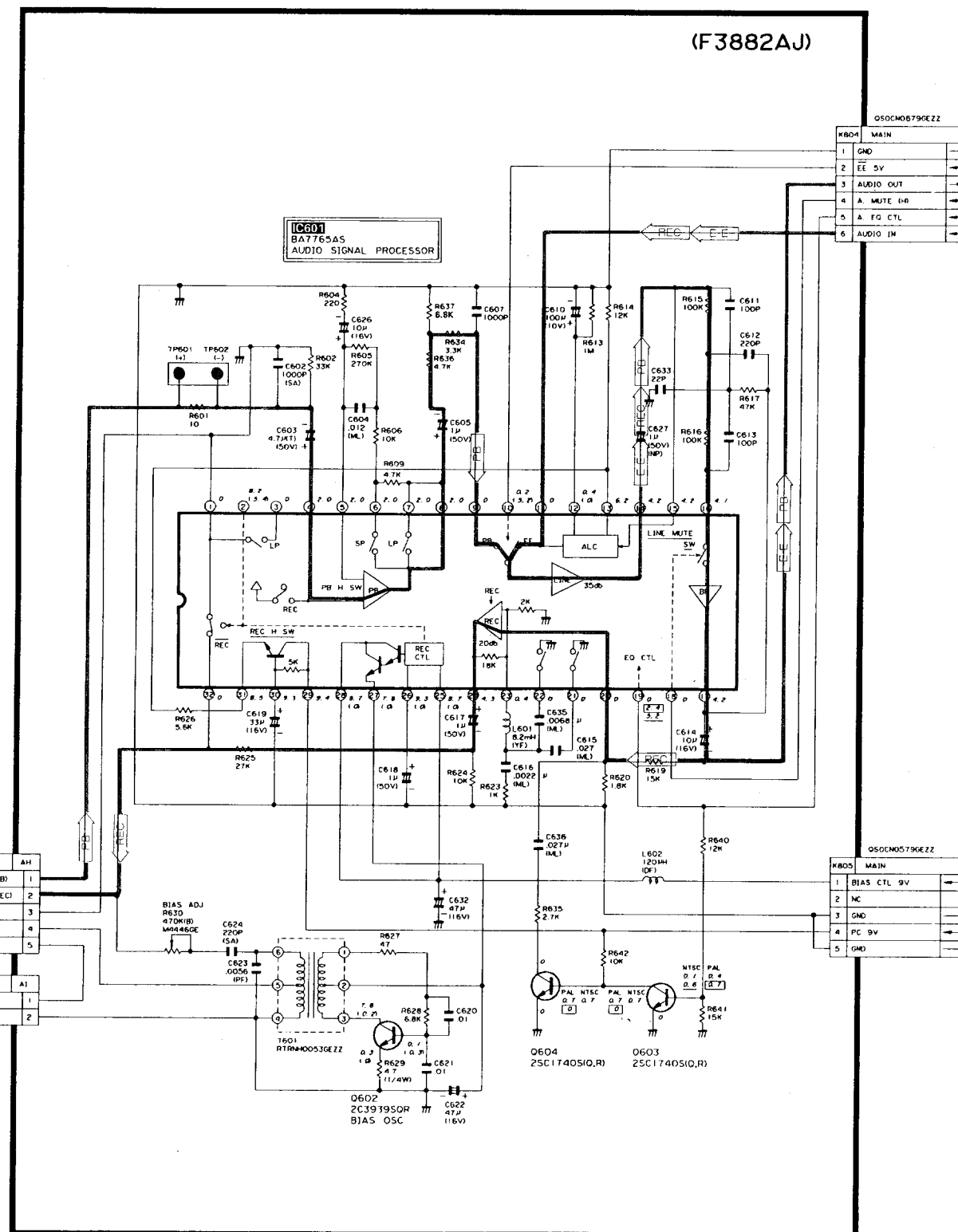
VT-1480D
VT-2198 (D)

VT-1480D型：母体装置/阴极射线管电路(电视机部分)



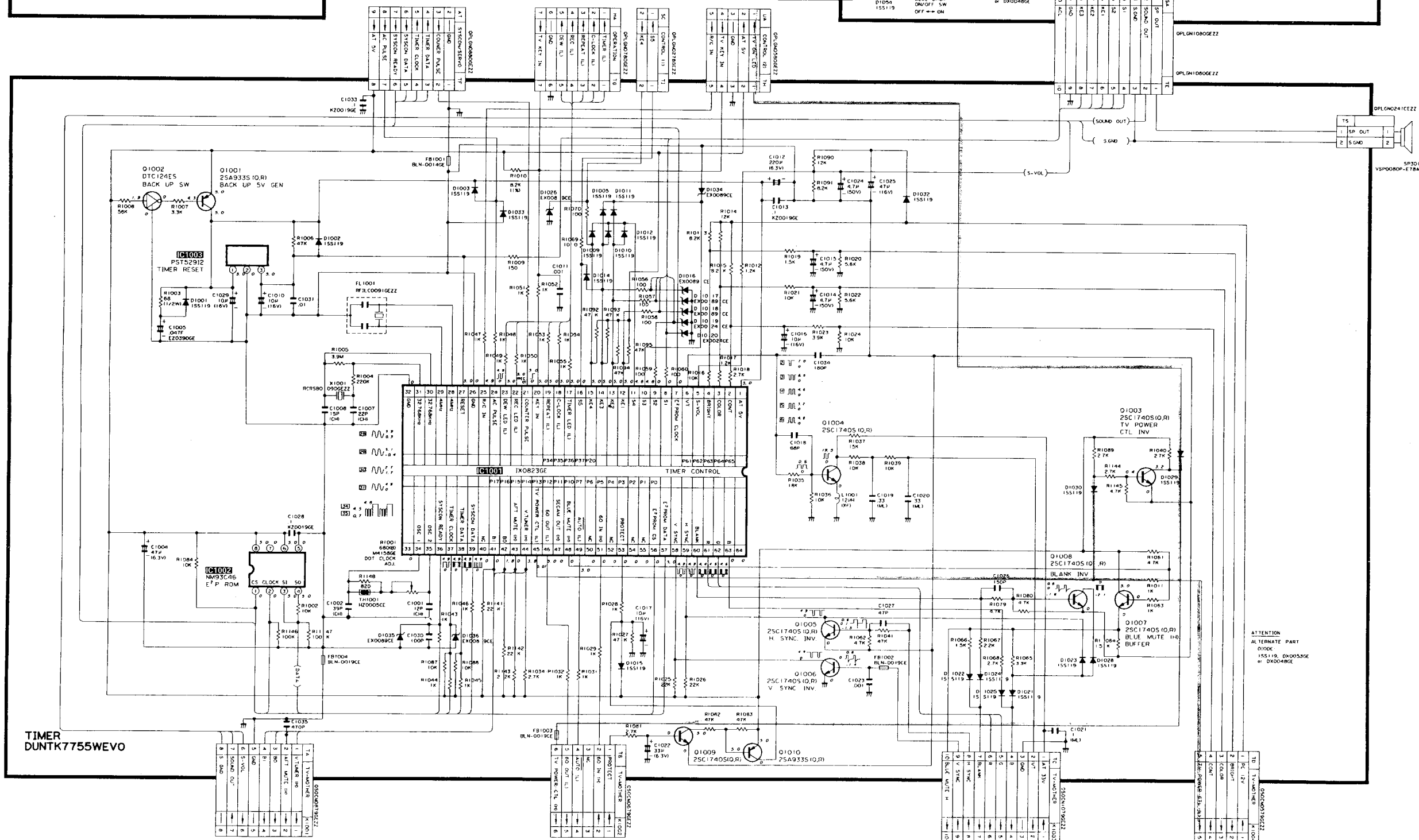
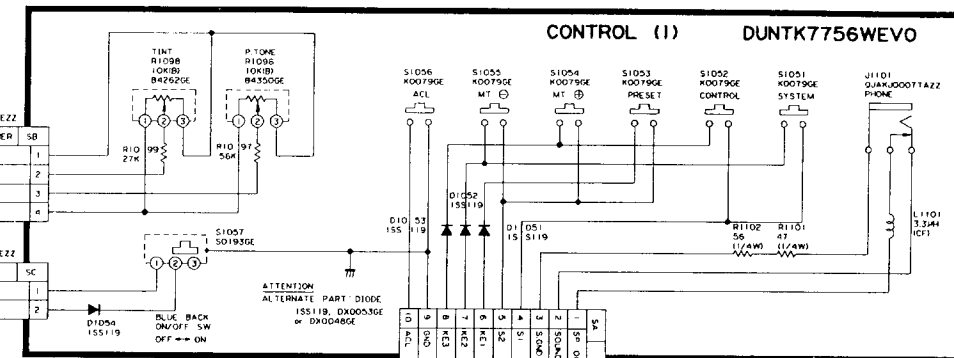
OPERATION CIRCUIT (VCR Section)

操作控制板电路(录象机部分)



VT-1480D
VT-2198 (D)

定时器/控制器(1)、(2)电路(电视机部分)

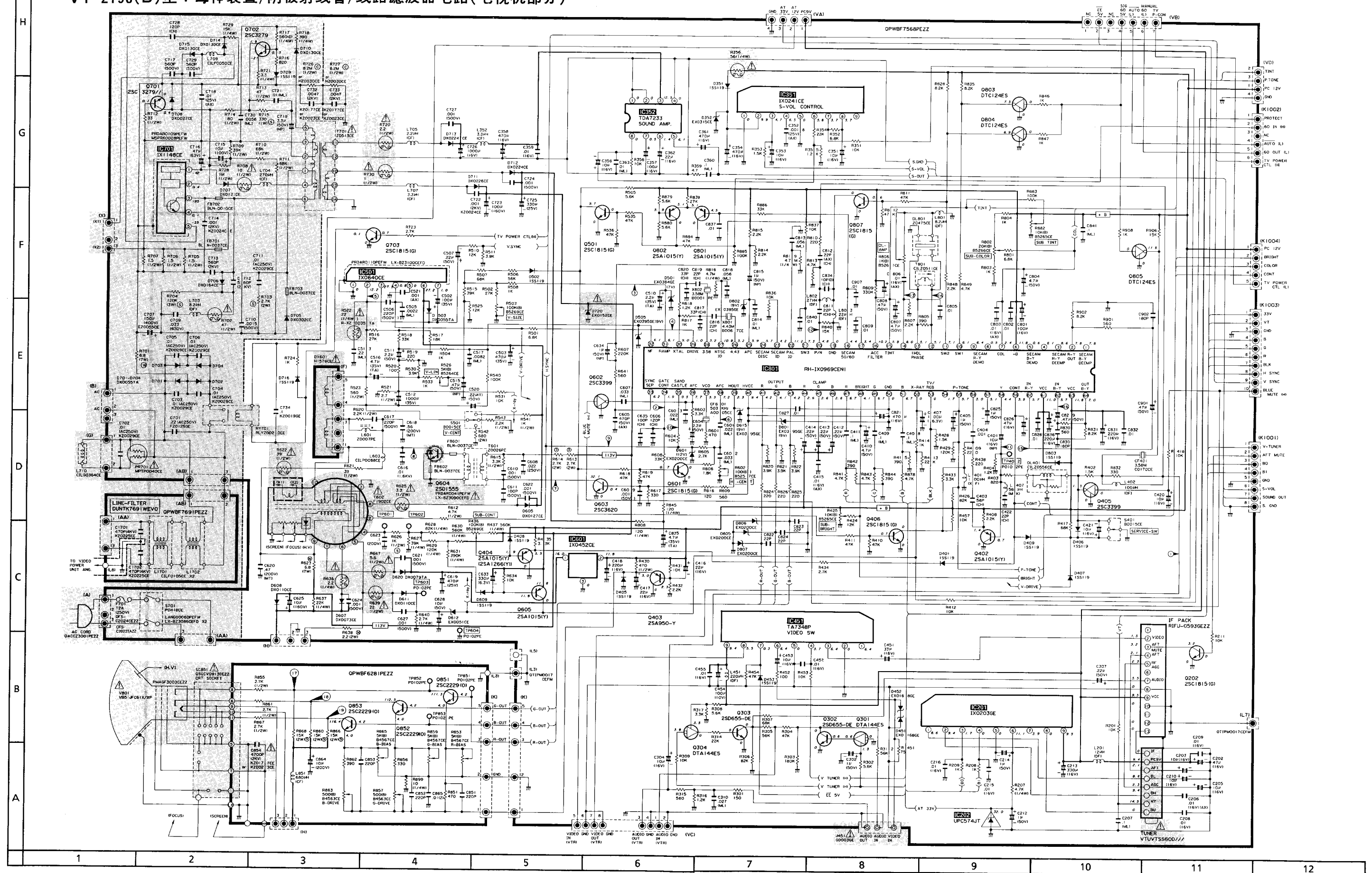


VT-1480D
VT-2198 (D)

VT-1480D
VT-2198 (D)

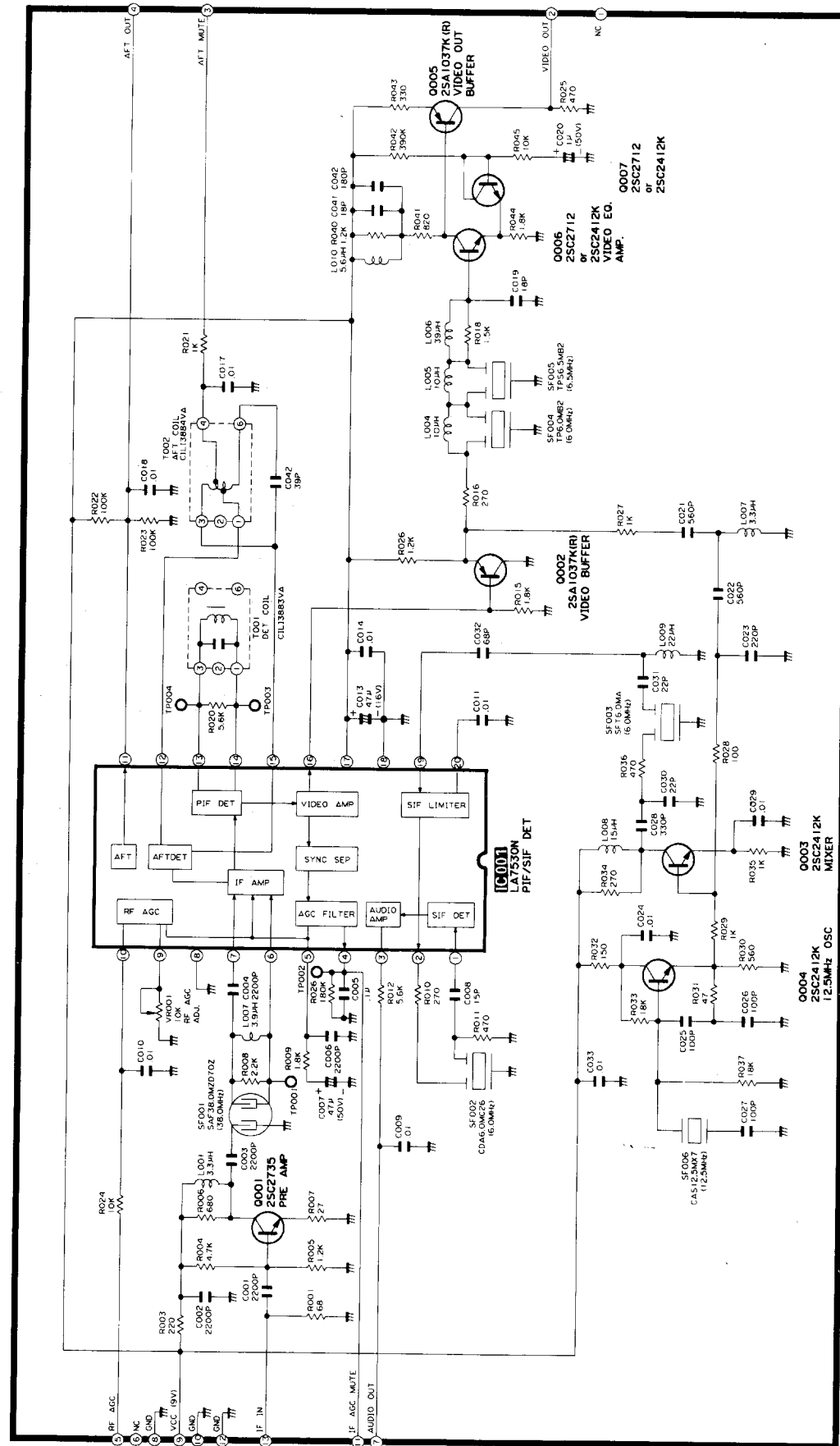
MODEL VT-2198(D): MOTHER / CRT / LINE FILTER CIRCUIT (TV Section)

VT-2198(D)型：母体装置/阴极射线管/线路滤波器电路(电视机部分)



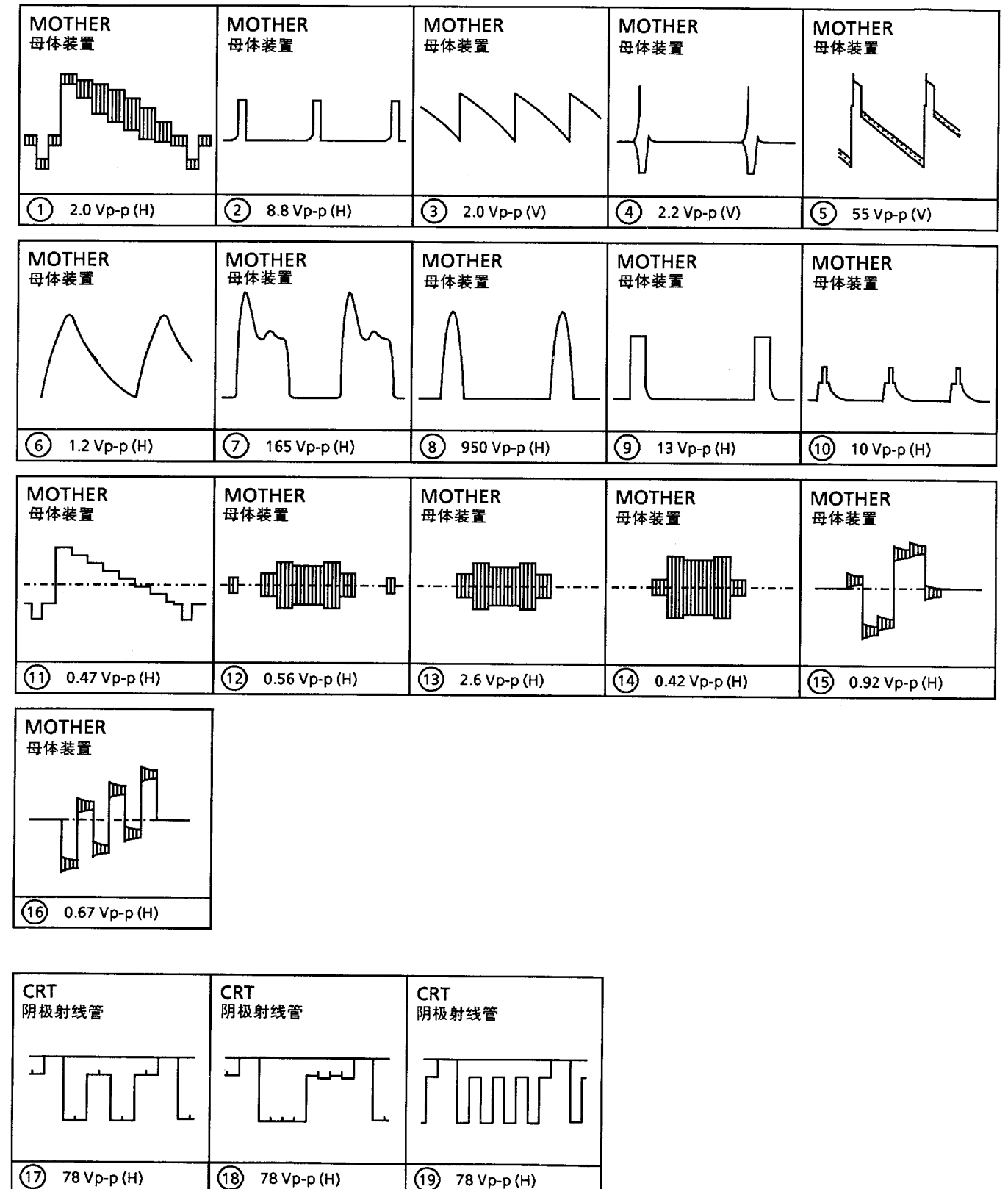
IF PACK CIRCUIT (TV Section) 中频包电路(电视机部分)

RiFU-0593GEZZ

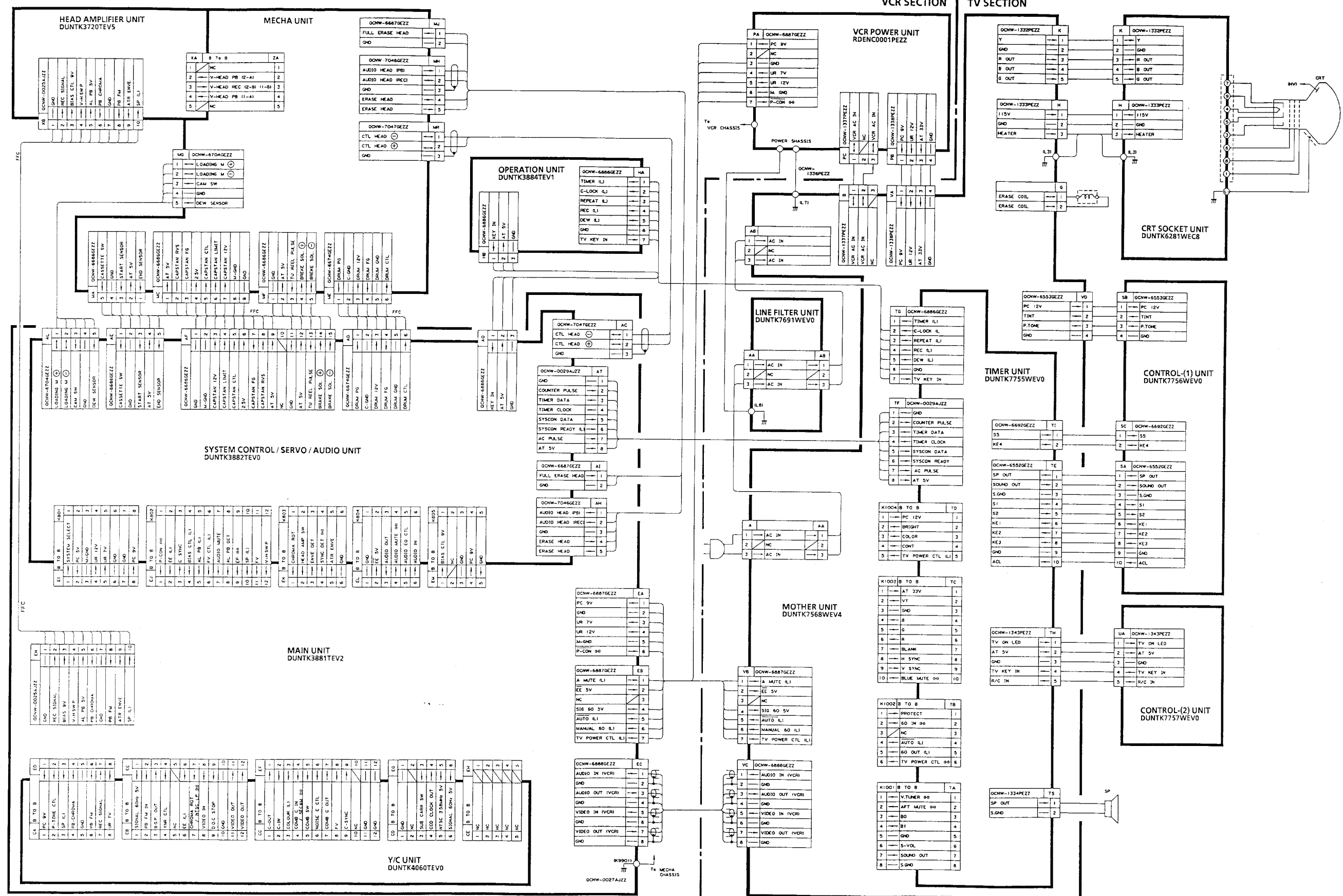


WAVE FORMS (TV Section)

波形图(电视机部分)

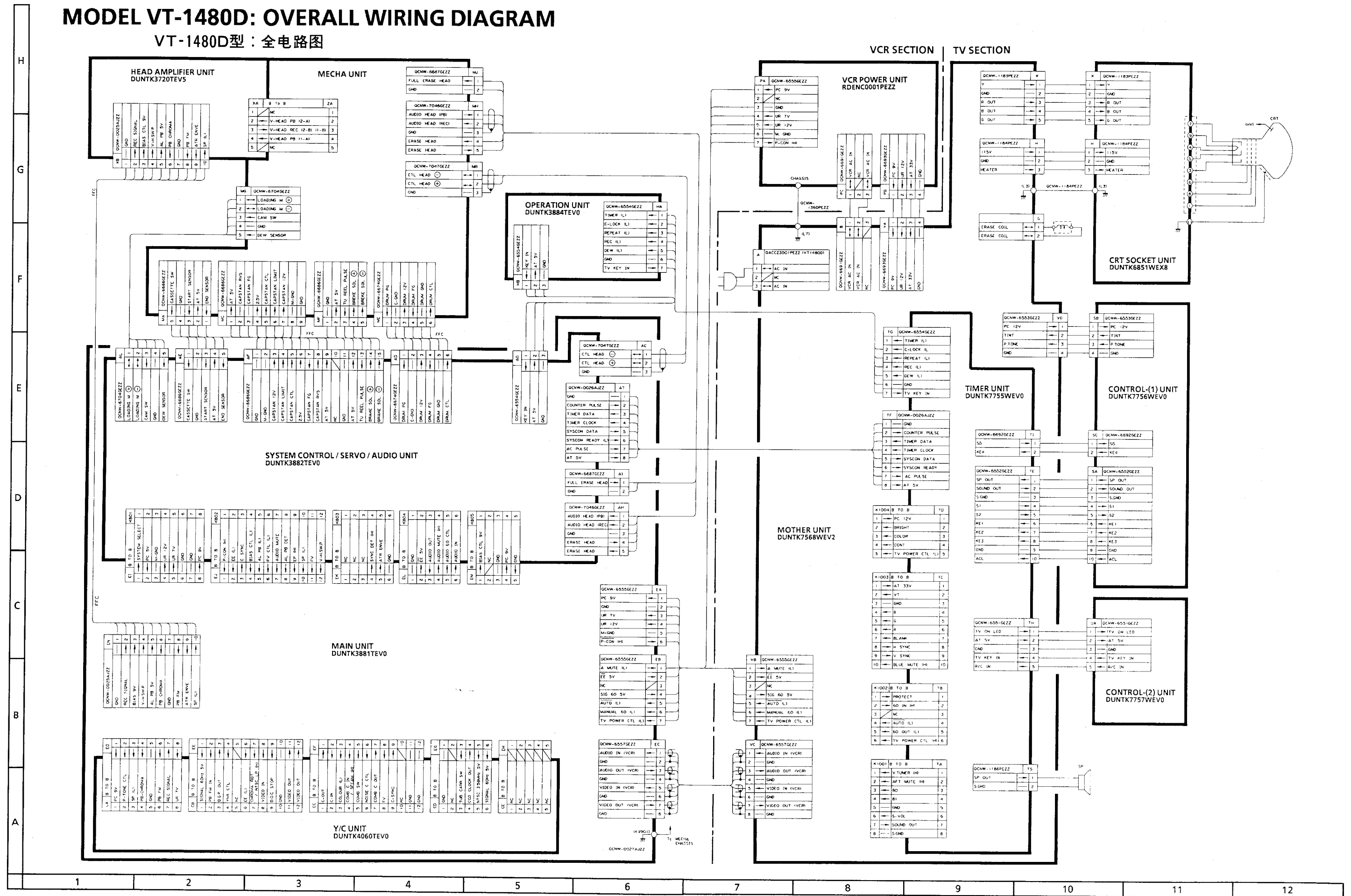


MODEL VT-2198(D): OVERALL WIRING DIAGRAM VT-2198(D)型：全电路图

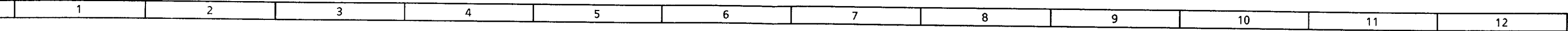


MODEL VT-1480D: OVERALL WIRING DIAGRAM

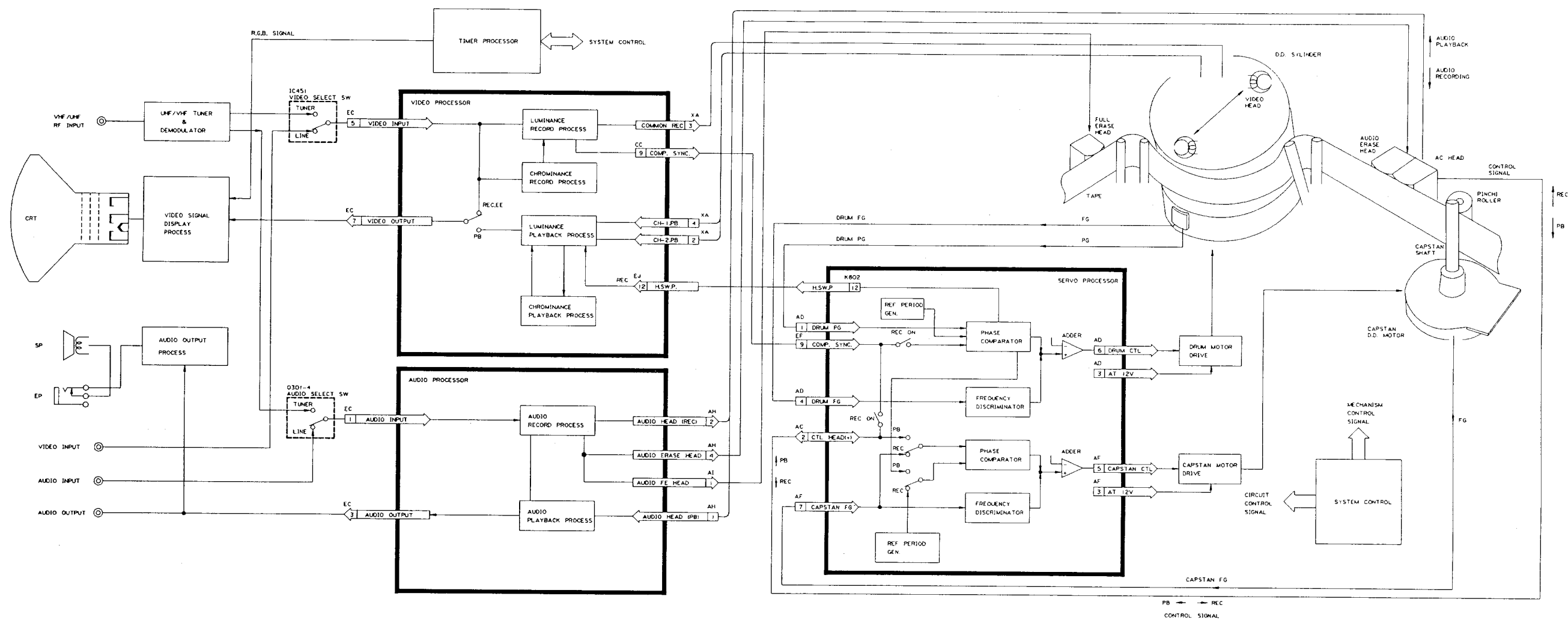
VT-1480D型：全电路图



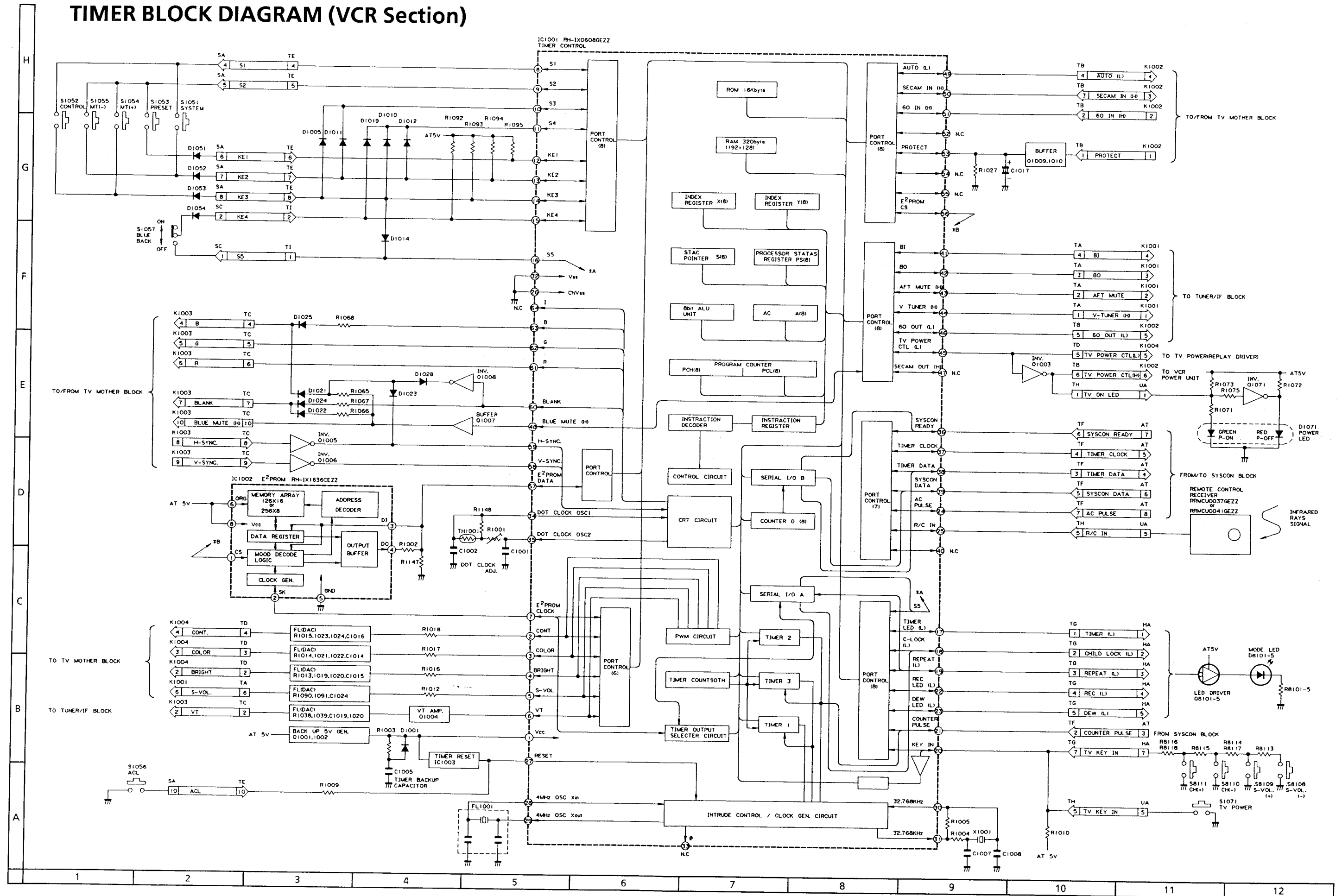
H
G
F
E
D
C
B
A



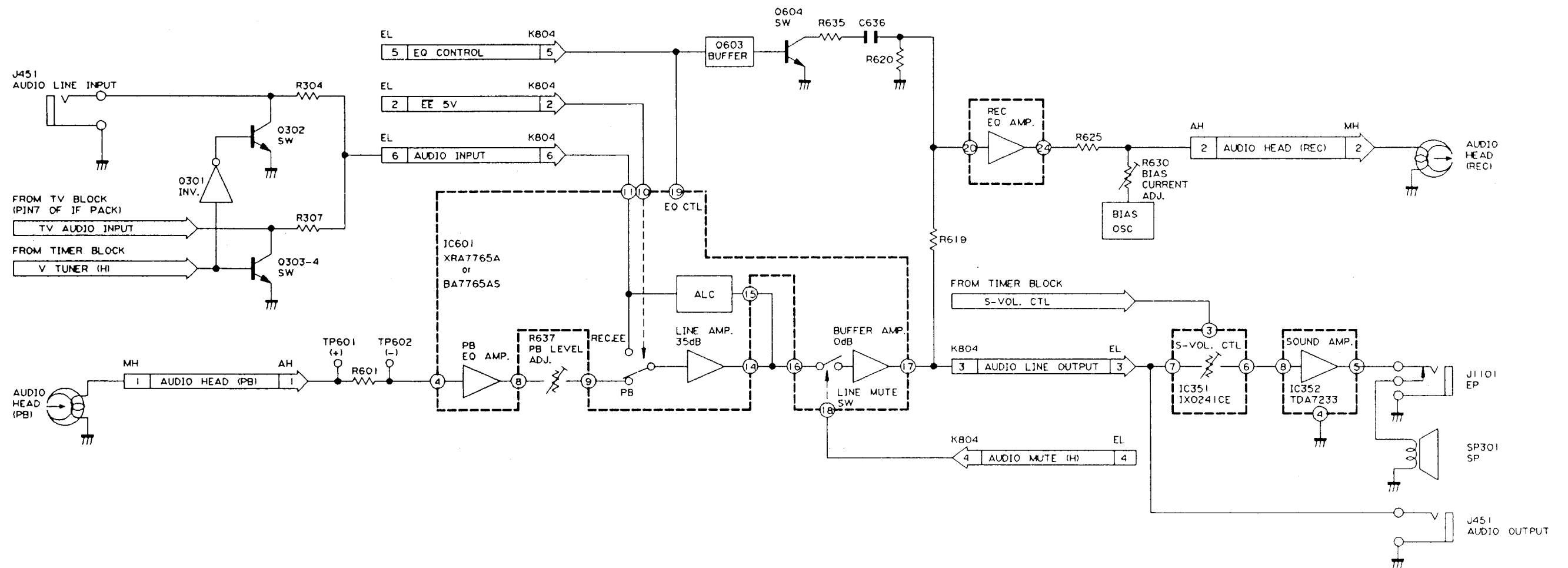
OVERALL BLOCK DIAGRAM



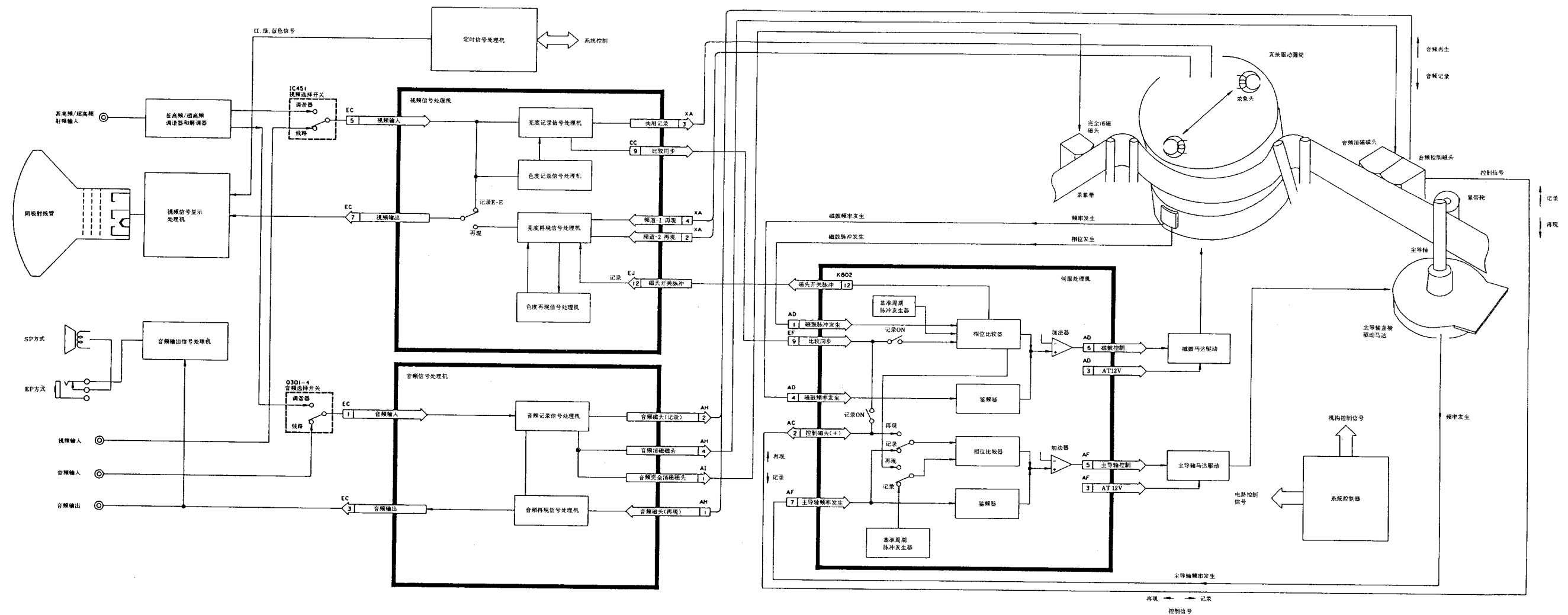
TIMER BLOCK DIAGRAM (VCR Section)



AUDIO BLOCK DIAGRAM (VCR Section)



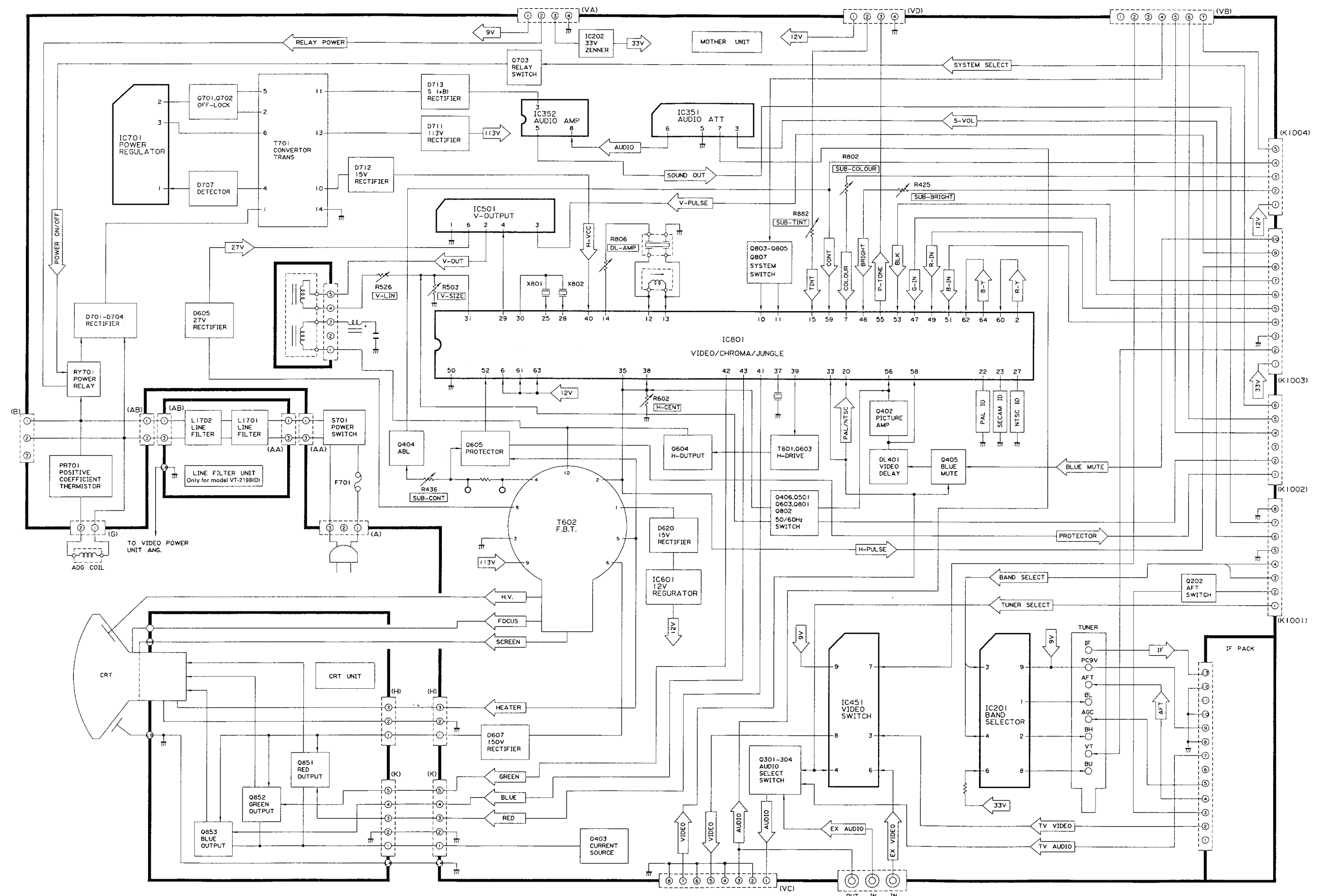
全电路方框图



VT-1480D
VT-2198 (D)

VT-1480D
VT-2198 (D)

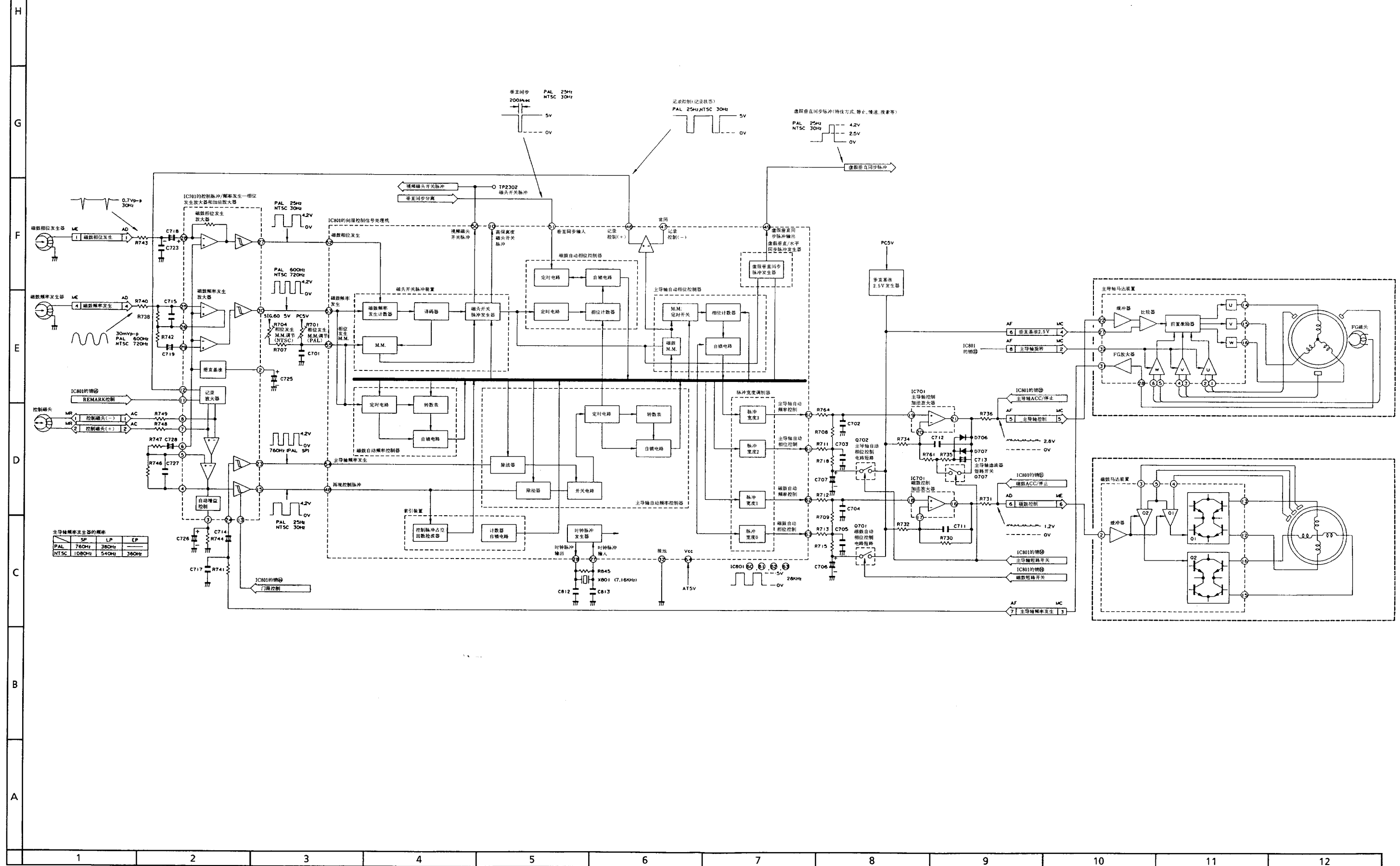
BLOCK DIAGRAM (TV Section)



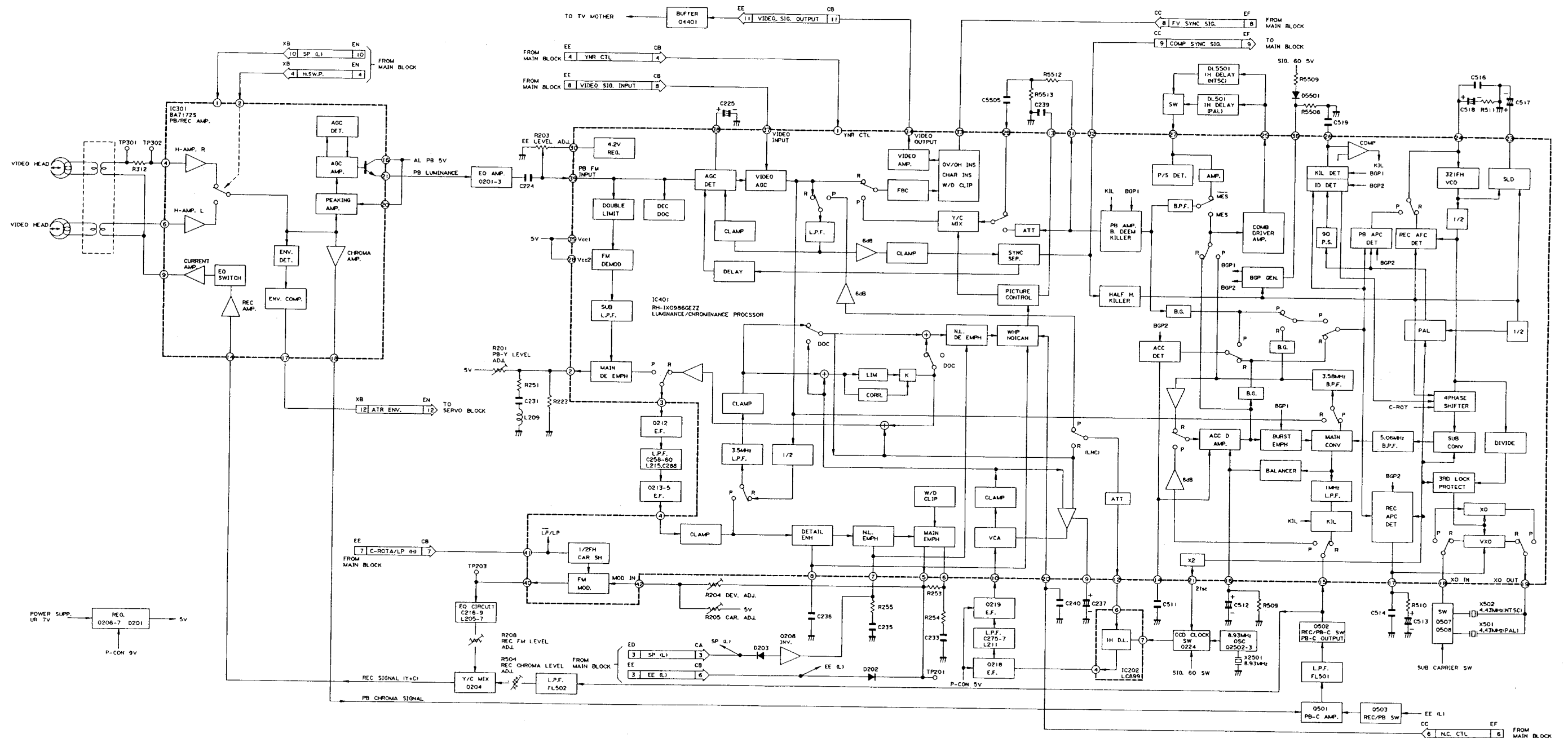
电路保护装置电路方框图(录象机部分)



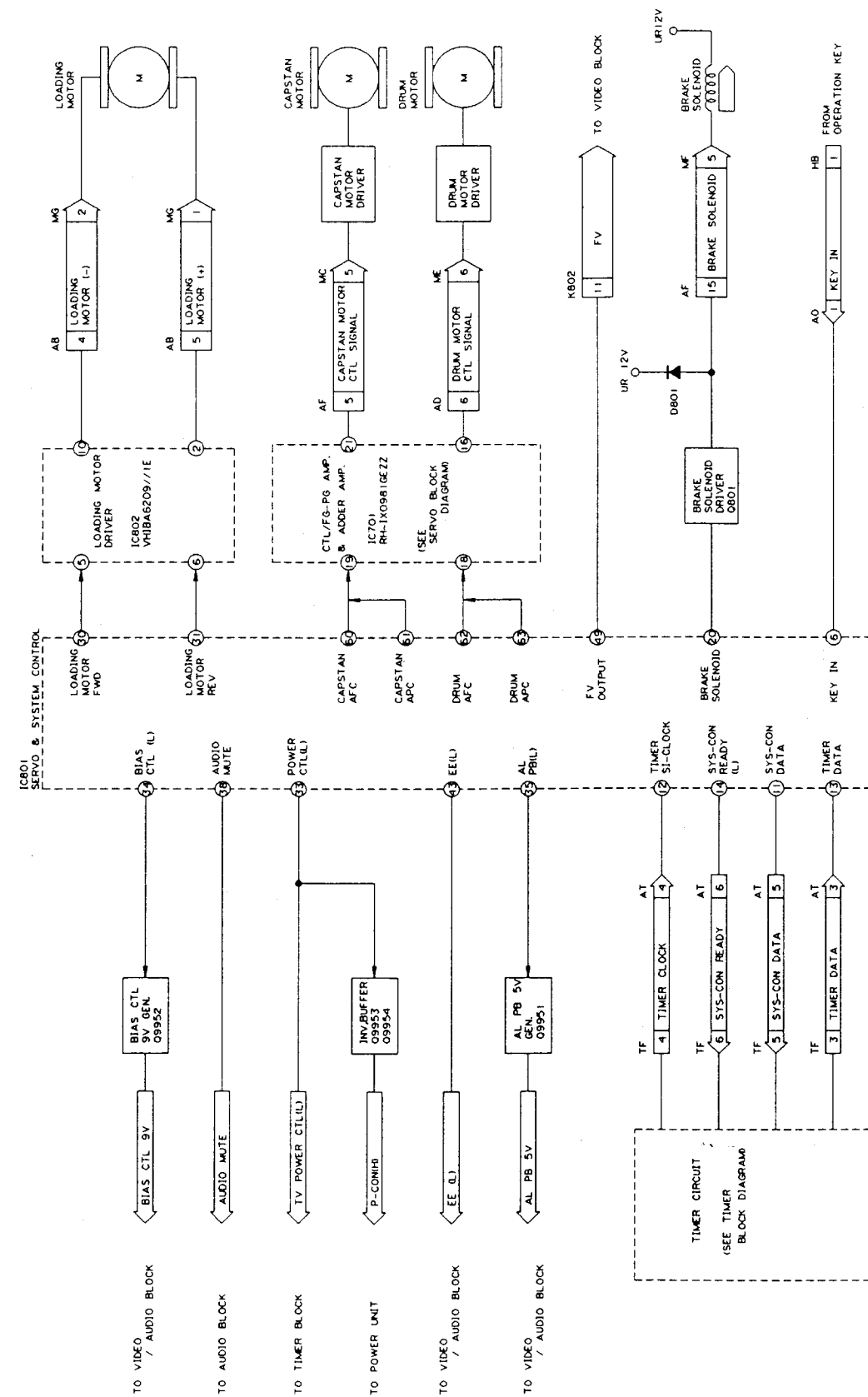
伺服系统电路方框图(录像机部分)



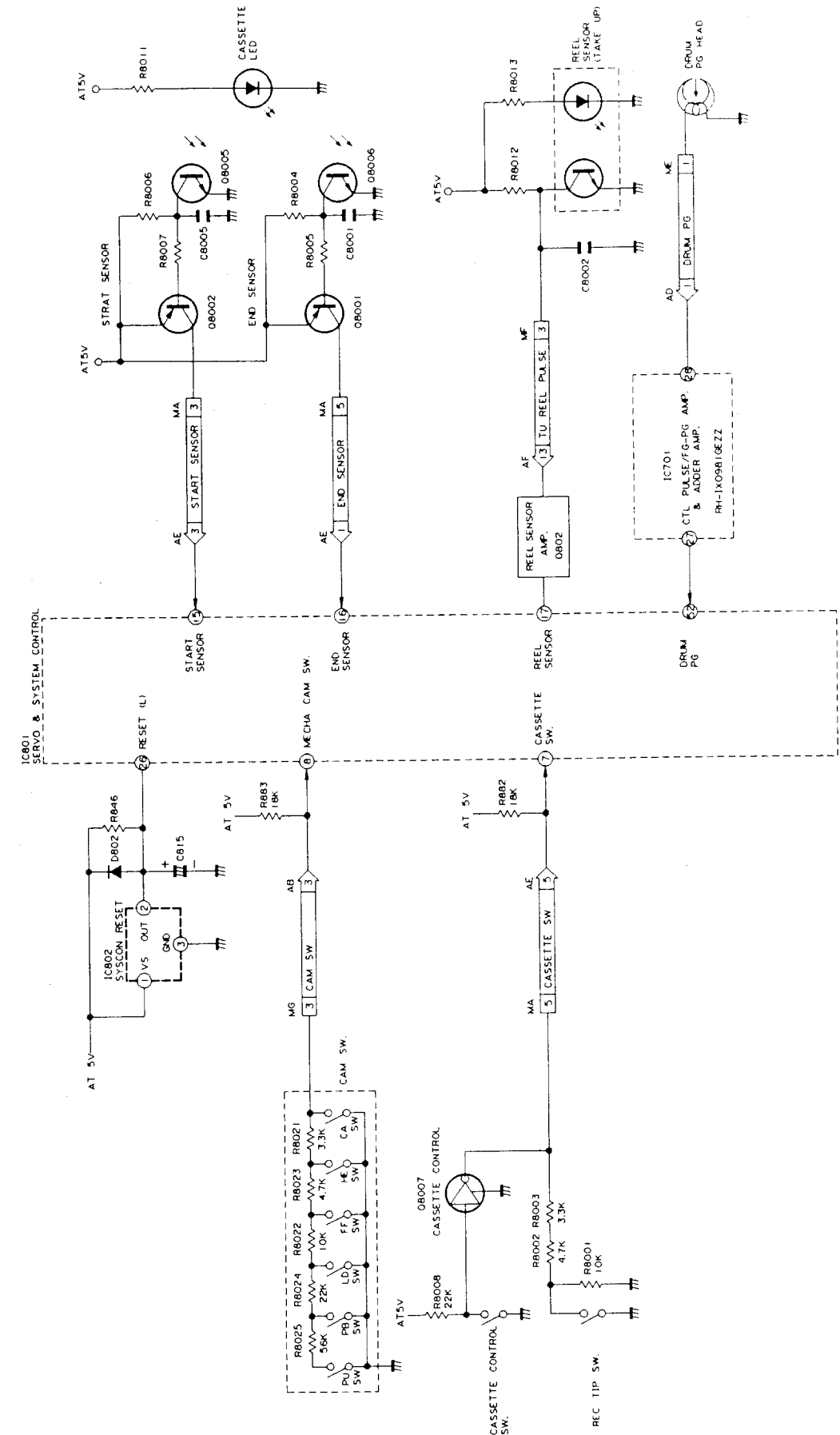
LUMINANCE/CHROMINANCE BLOCK DIAGRAM (VCR Section)



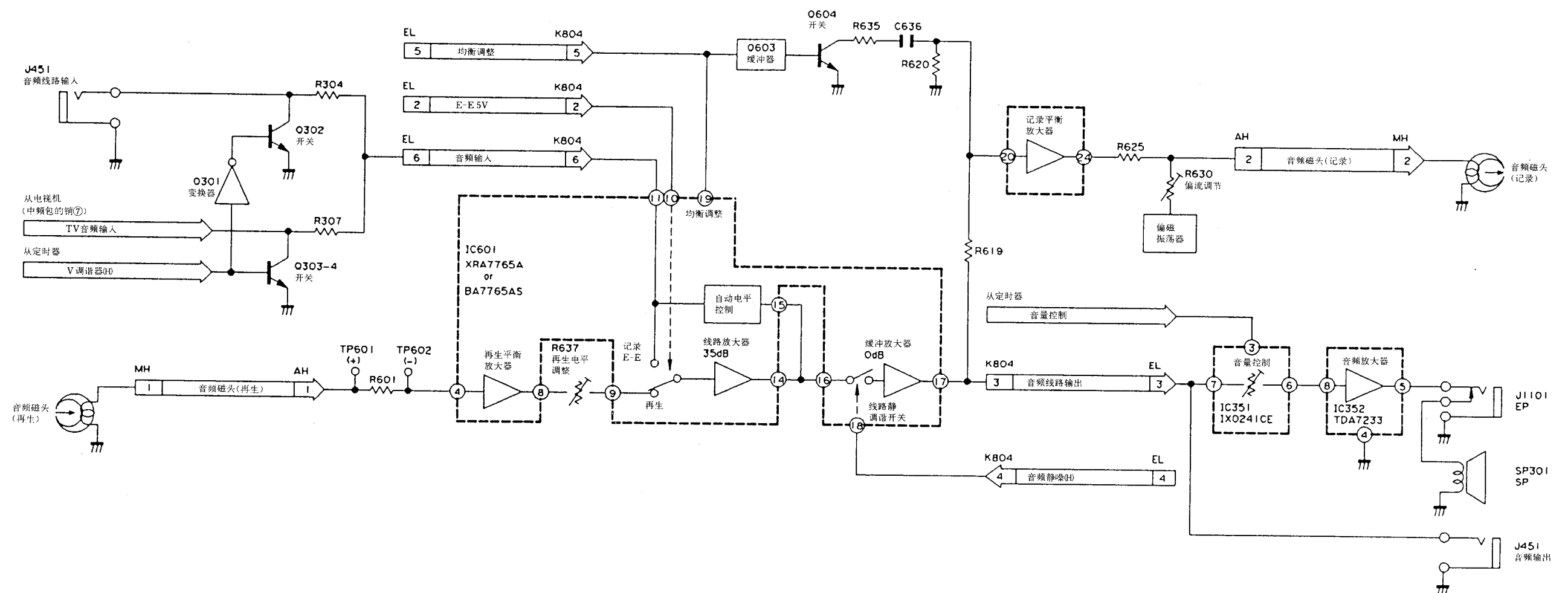
SYSTEM CONTROL BLOCK DIAGRAM (VCR Section)



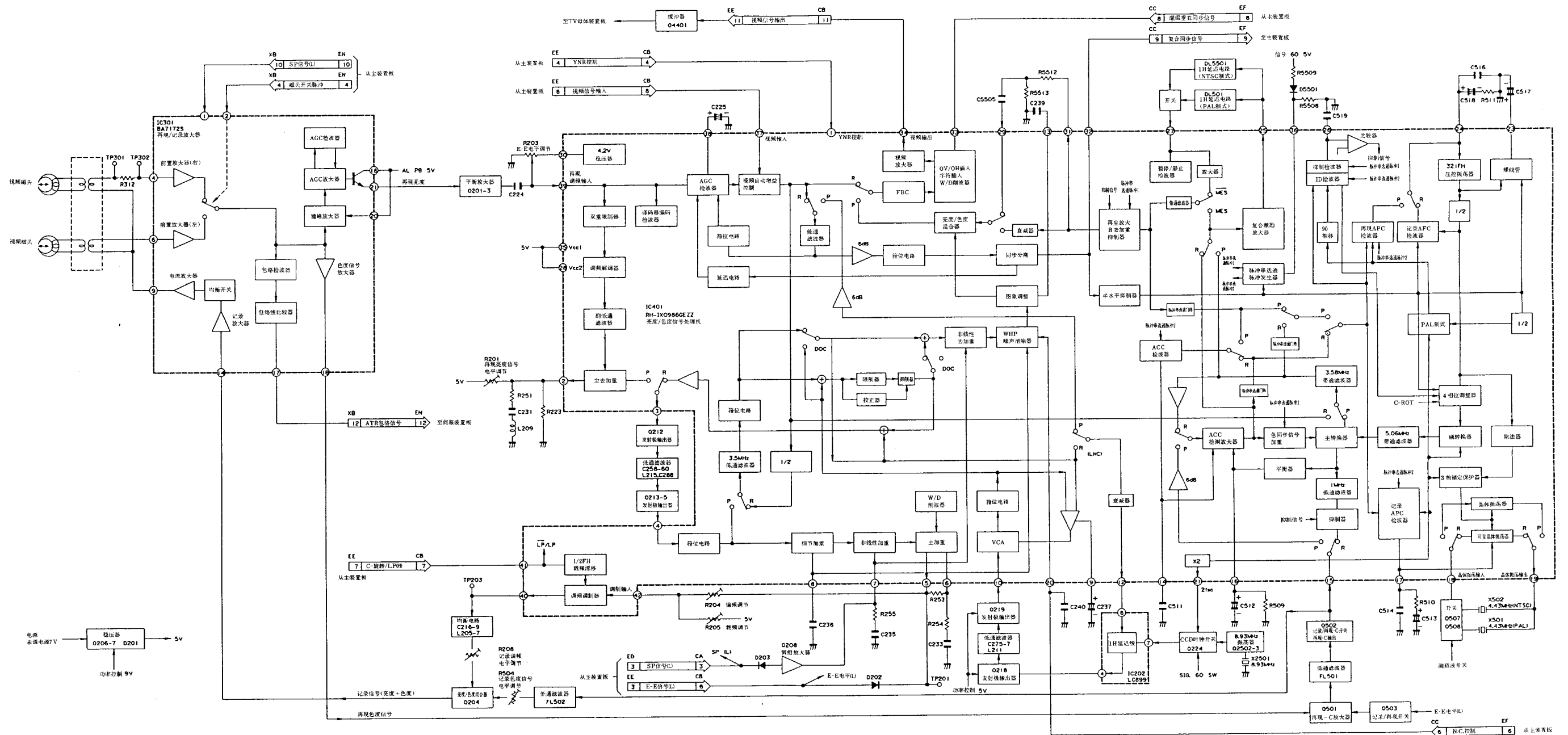
SAFETY DEVICE BLOCK DIAGRAM (VCR Section)



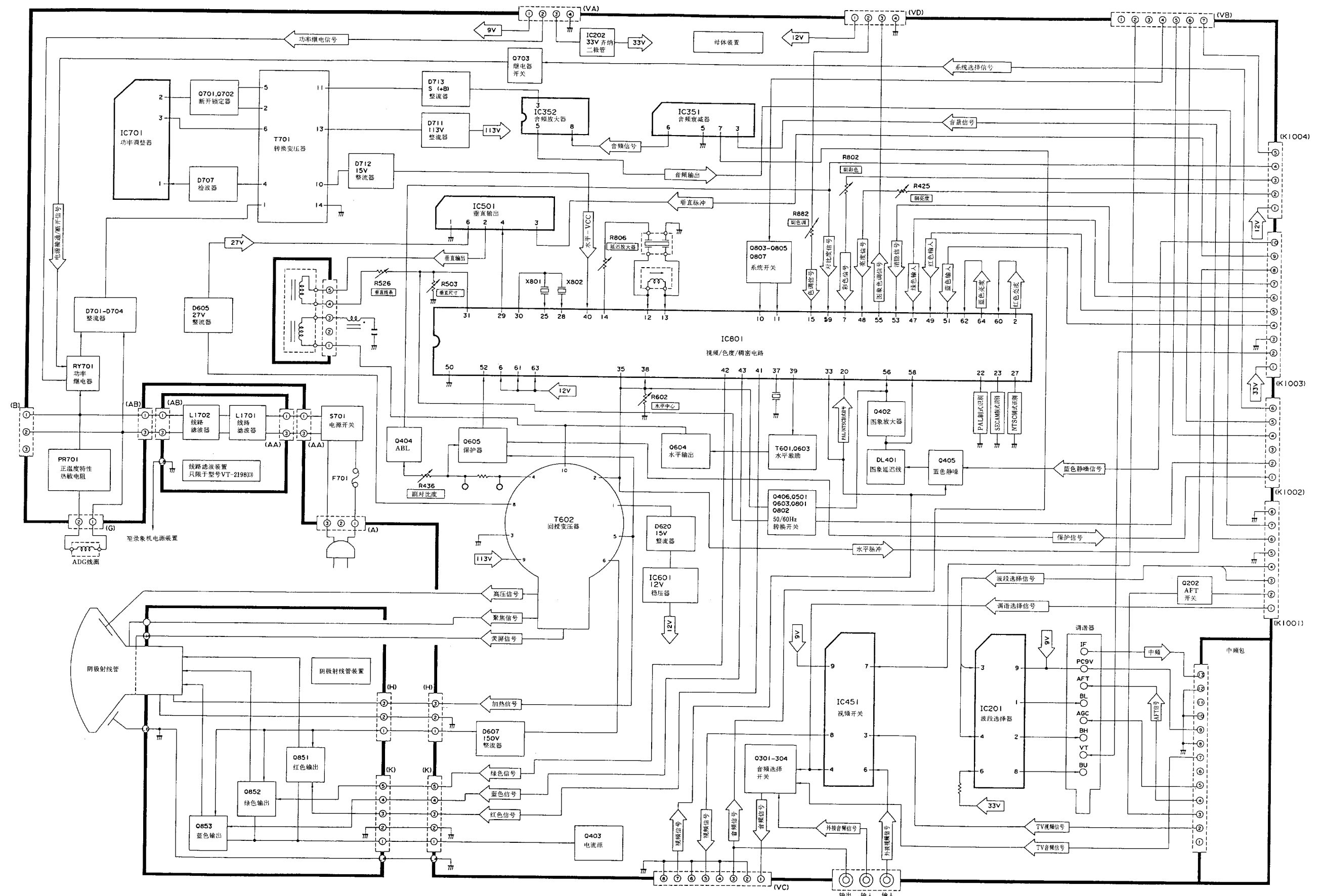
音频信号电路方框图(录象机部分)



亮度/色度信号电路方框图(录象机部分)



电路方框图(电视机部分)



[illegible]

SYSTEM CONTROL / SERVO CIRCUIT (VCR Section)

系统控制/伺服电路(录象机部分)

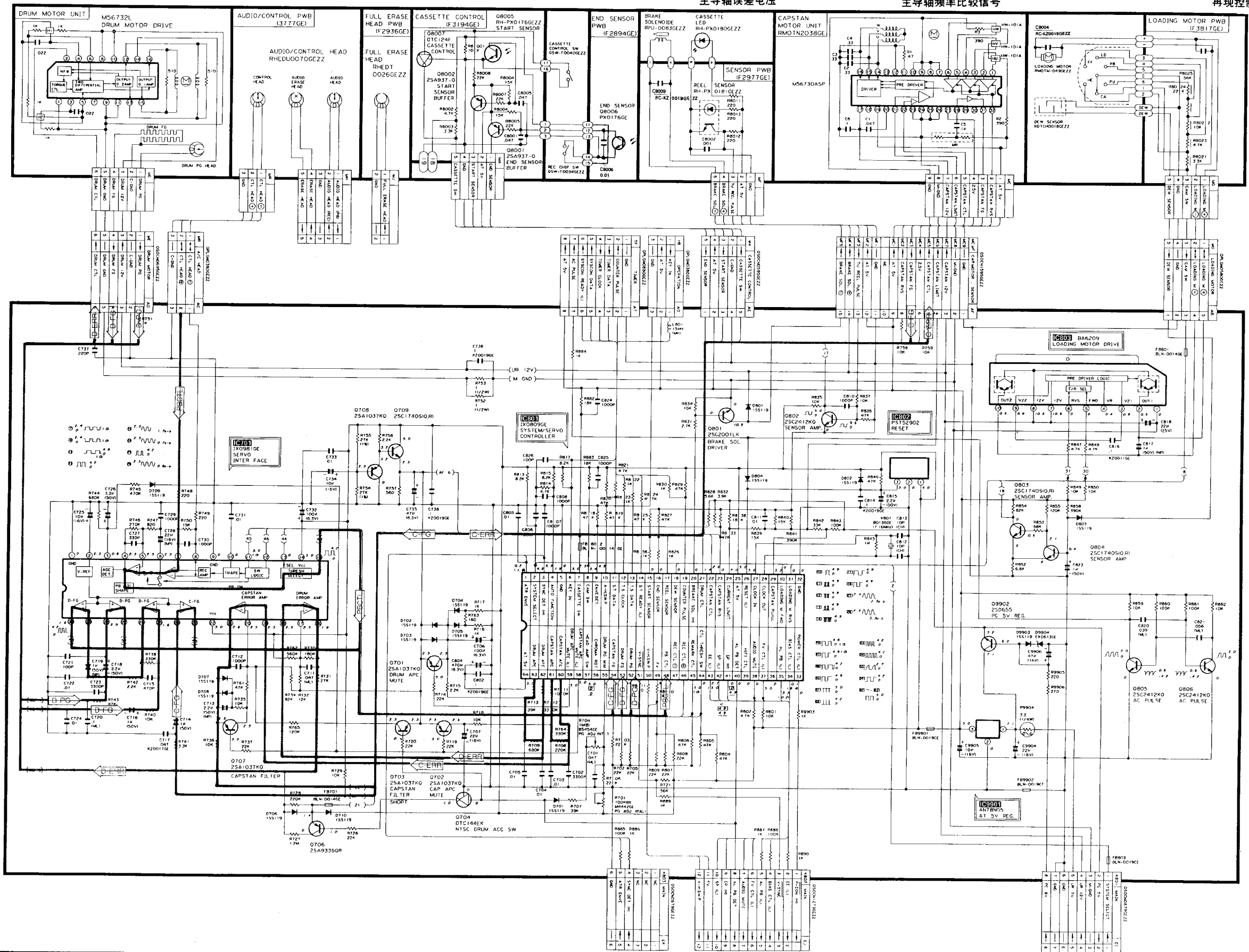
VT-1480D
VT-2198 (D)

VT-1480D
VT-2198 (D)

D-ERR Drum Error Voltage
磁鼓误差电压
C-ERR Capstan Error Voltage
主导轴误差电压

D-FG Drum Frequency Comparison Signal
磁鼓频率比较信号
C-FG Capstan Frequency Comparison Signal
主导轴频率比较信号

D-PG Drum Phase Comparison Signal
磁鼓相位比较信号
PBCTL Playback Control Comparison Signal
再现控制比较信号



* VOLTAGE MEASUREMENT MODE ★ 电压测定值
PB Parentheses () 再现：括号中的数值
REC Without Parentheses 记录：括号外的数值


DESCRIPTION OF SCHEMATIC DIAGRAM

电路原理图的说明

SAFETY NOTE:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:

BE SURE TO USE GENUINE PARTS FOR SECURING THE SAFETY AND RELIABILITY OF THE SET.
PARTS MARKED WITH "△" () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

SERVICE PRECAUTION:

THE AREA ENCLOSED BY THIS LINE (- - - - -) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE.
WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.

NOTES:

1. The unit of resistance "ohm" is omitted. (K = 1000 ohms, M = 1Meg ohm).
2. All resistors are 1/8 watt, unless otherwise noted.
3. The unit of capacitance "F" is omitted. ($\mu = \mu F$, P = μF).
4. The values in parentheses are the ones in the PB mode; the values without parentheses are the ones in the REC mode.

VOLTAGE MEASUREMENT CONDITIONS:

1. DC voltages are measured between points indicated and chassis ground by VTVM, with AC 220V, 50/60Hz supplied to unit and all controls are set to normal viewing picture unless otherwise noted.
2. Voltages are measured with 10000 μV B&W or colour signal.


WAVEFORM MEASUREMENT CONDITIONS:

10000 μV , 87.5% modulated colour bar signal is fed into tuner.

安全注意事项:

1. 更换电路元件时, 必须先拔出电源插头, 切断电源。
2. 底盘电路处工作状态时, 应注意电路中半导体元件散热片高电位可能导致的电击危险。

安全使用注意要点:

为保证本机的安全以及持久、正常的使用, 电路元件必须使用规定的纯正牌元件。
标有"△" () 的元件为对保证本机长久的安全使用起重要作用的元件。更换这些元件时, 必须使用规定的纯正牌元件, 以保证本机的使用安全以及使用寿命。

维修注意事项:

电路中由粗断续线(- - - - -)所围部分为与交流电源直接相接线路。对这些部分的线路进行维修时, 应于本机与交流电源之间用隔离变压器相接, 以防止不意的电击之危险。

注意:

这里的电路原理图均为最初设计原图, 与您的机器的电路原理图可能有不同之处。

注:

1. 电阻单位为 Ω (欧姆), 图中省略。
(K = 1000 Ω , M = 1000000 Ω)
2. 除另加标记者, 所有电阻之功率均为1/8W。
3. 电容单位为"F" (法拉), 图中省略。
($\mu = 1 \times 10^{-6} F$, P = $1 \times 10^{-12} F$)
4. 括号中的数值为再现工作状态时之数值, 括号外的数值为记录工作状态时之数值。

电压测定条件:

1. 除另加注明者, 直流电压指于本机加220V, 50/60 Hz交流电源, 设所有控制调节为标准设定, 用电子管电压表(VTVM)于测点与底盘接地端之间所测电压值。
2. 交流电压由10,000 μV 的黑白或彩色信号所测。

波形测定条件:

向调谐器输入10,000 μV , 87.5%的调制彩条信号加以测定。

WAVE FORMS (VCR Section)

波形图(录象机部分)

