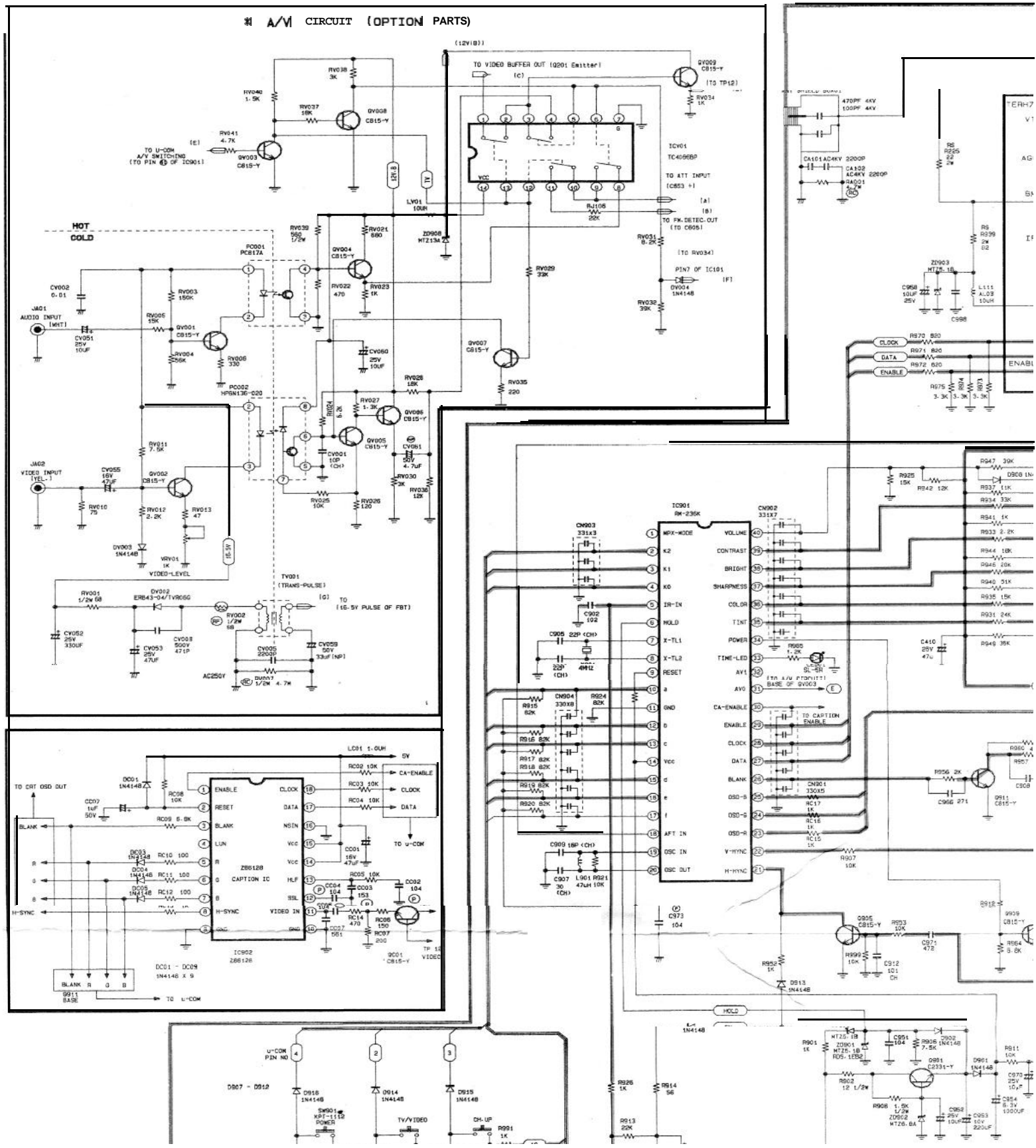
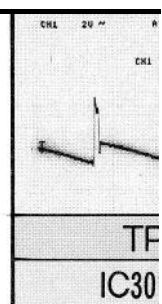
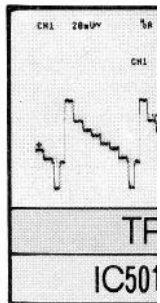


BOARD NAME : MAIN





KTC 2482/28C2482  
25C 2229/KTC2229  
K3C 2310  
K3C 2330  
K3C 2331  
25C2230

25C2120

KSA 642  
KSA 645  
KSA 539

39 PIN LA7528-LA7625  
55PIN MN15151(RN212)

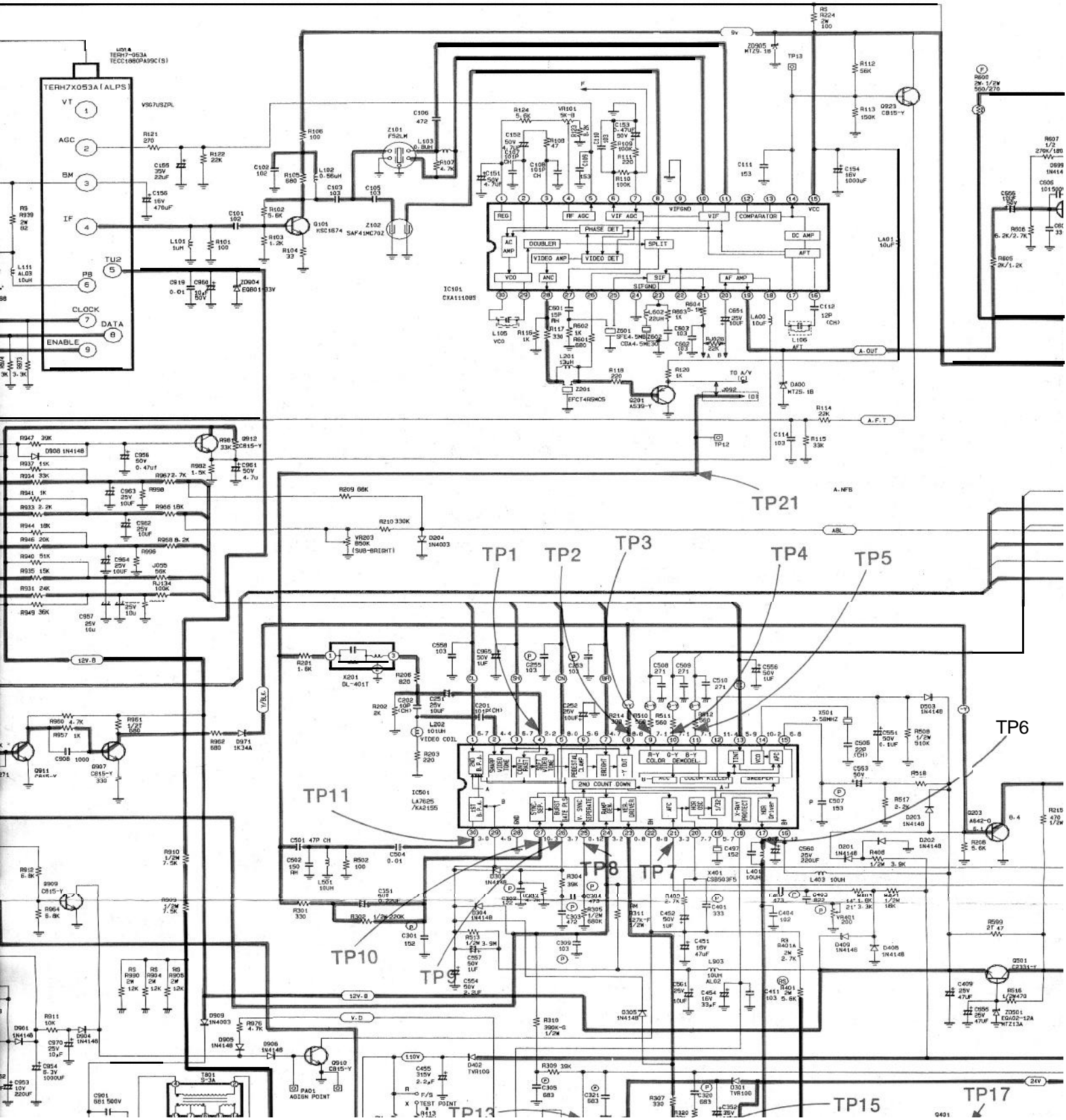
25D 1054  
25D 1650  
25D1555  
25D1651

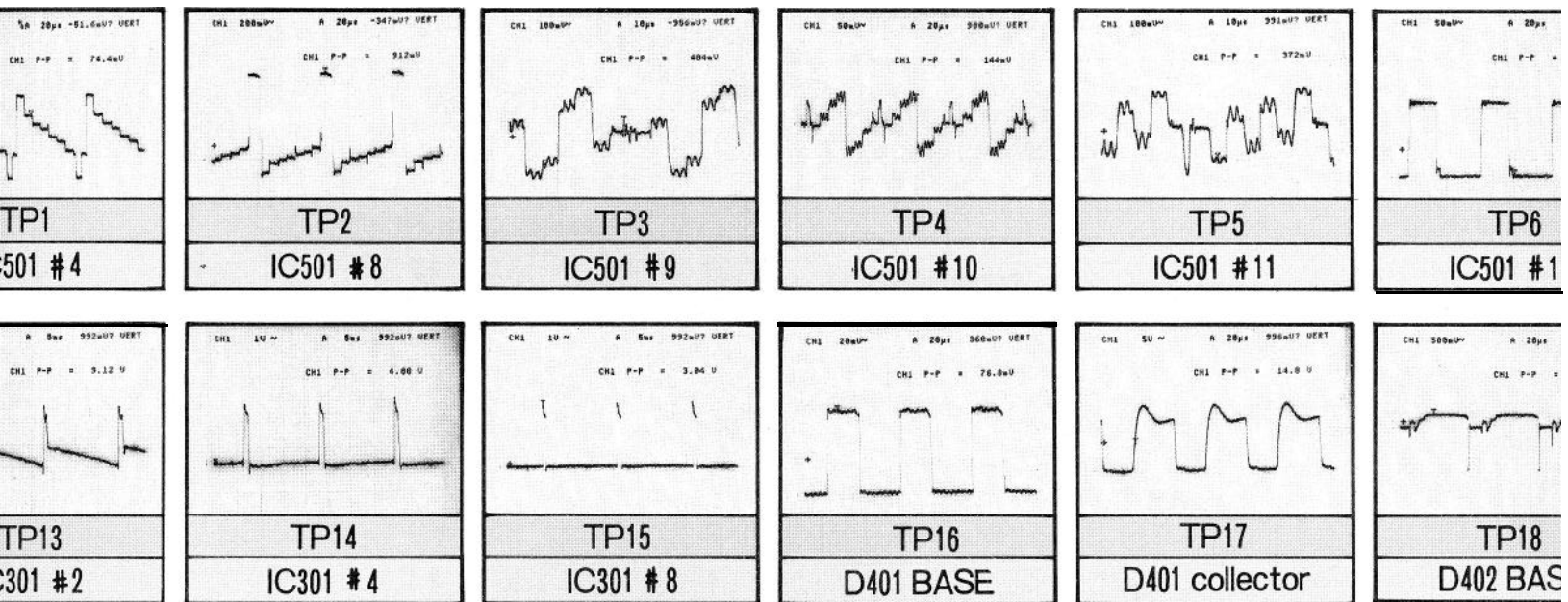
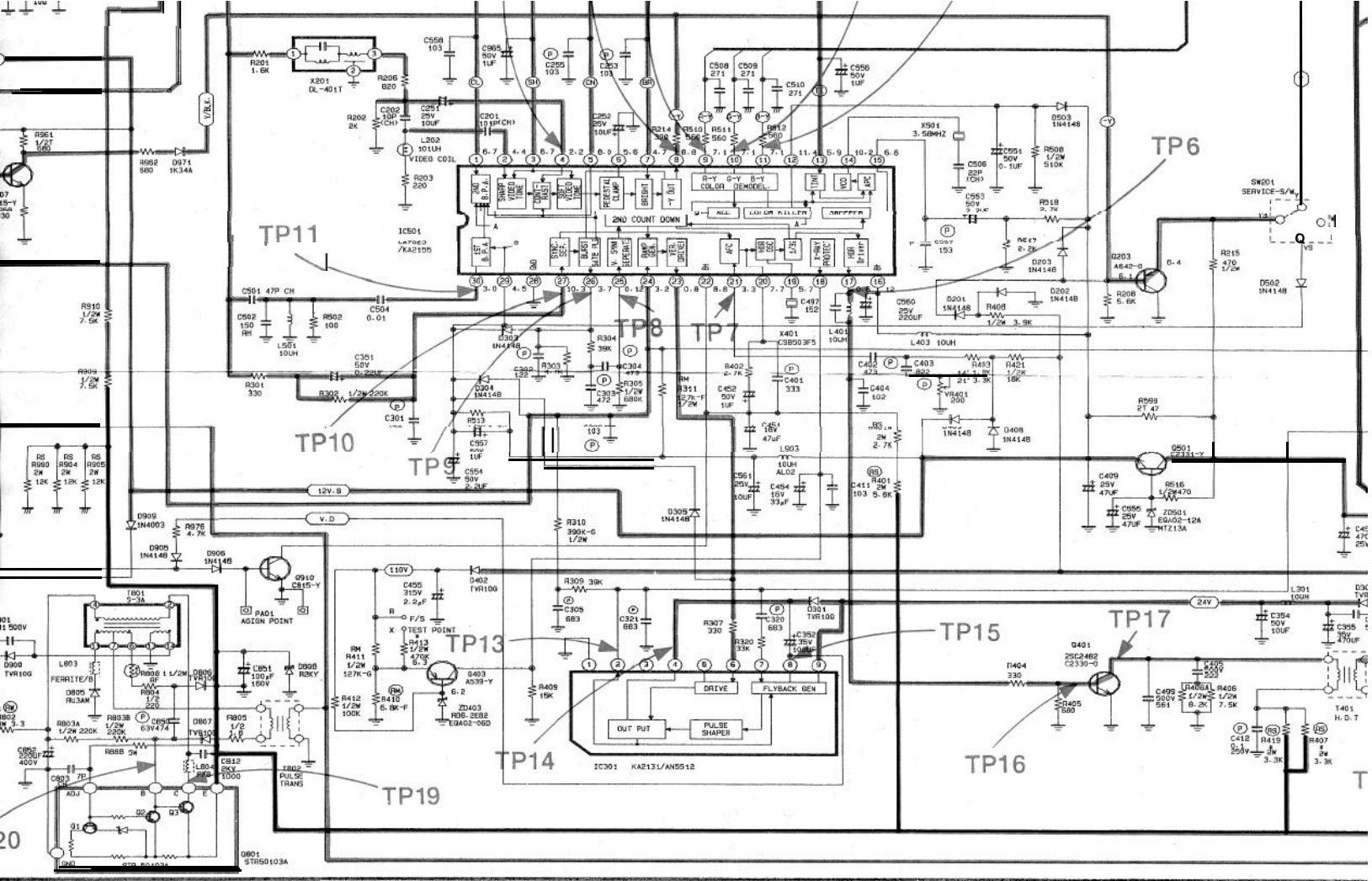
WARNING - BEFORE SERVICING THIS CHASSIS READ THE 'X-RAY RADIATION PRECAUTION', 'SAFETY PRECAUTION' AND 'PRODUCT SAFETY NOTICE' IN MANUAL.

CAUTION - The shaded area in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit of specified in the parts list. Before replacing any of these components, read carefully the 'PRODUCT SAFETY NOTICE' in this manual. Do not degrade the safety of the receiver through improper servicing.

WARNING - THIS RECEIVER CONTAINS SAFETY CRITICAL COMPONENTS. ALL PARTS SHOWN IN THE SHADED AREAS OF THE SCHEMATIC ARE SAFETY CRITICAL FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS. REFER TO PARTS LIST FOR EXACT REPLACEMENTS.

NOTE  
1. Resistance is in  $\Omega$  unless otherwise expressed in  $\mu$  or  $k$ .  
2. Unless otherwise expressed in  $\mu$  or  $k$ , voltage read w.r.t. point indicated.  
3. Waveforms in  $\mu$  signal with  $\mu$  point indicated.  
4. Waveforms in  $\mu$  signal with  $\mu$  point indicated.  
5. Waveforms in  $\mu$  signal with  $\mu$  point indicated.  
6. Waveforms in  $\mu$  signal with  $\mu$  point indicated.  
7. Voltage read w.r.t. point indicated.  
8. This is random changes may be.  
9. The circuit is a







IC diagram and the parts list designate  
characteristics important for safety  
types identical to those in the  
parts list. Before replacing and  
fully the PRODUCT SAFETY NOTICE  
the safety of the receiver through

CRITICAL COMPONENTS: ALL  
SCHEMATIC ARE SAFETY  
CRITICAL COMPONENTS.  
REFER TO PARTS LIST

# NOTE

1. Resistance is shown in ohms  $\times 1,000$  or  $\times 10,000$ .
2. Unless otherwise noted in schematic all capacitor values less than 1 are expressed in  $\mu$ F, and the values more than 1 in pF.
3. Unless otherwise noted in schematic all inductor values more than 1 are expressed in  $\mu$ H.
4. Voltage read with V.T.V.M. (input impedance  $\geq 10$  M $\Omega$  full range) from point indicated to chassis ground using a color bar signal with all control at normal line voltage 120 volts.
5. Waveforms in chrominance circuit are taken receiving a color bar signal with enough sensitivity.
6. Waveforms in other circuit are taken using a signal under normal receiving conditions.
7. Voltage readings shown are normal values and may vary 20% except H.V.
8. This is fundamental circuit diagram some production changes may be made without revision of the diagram.
9. The circuits enclosed in dotted lines are optional parts. (A)

## MARK PARTS

LOCATION	21"	16"	14"
R934	33K	2.2K	2.2K
R937	11K	1.2K	1.2K
R933	2.2K	4.7K	4.7K
R941	1K	1.3K	1K
R967	2.7K	10K	39K
R956	18K	22K	22K
R960	8.2K	15K	15K
R909	68K	120K	91K
R910	330K	NONE	NONE
R416	150K-F	160K-F	1/213X-F
R545	2T 1.8	1T 0.47	1T 1
C254	NP 10F 50V	NP 2.2UF 50V	NP 50V 2.2UF
R419	2W 4.7K	2W 2.7K	2W 2.7K
R407	2W 4.7K	2W 2.7K	2W 2.7K
C454	16V 10UF	16V 33UF	16V 33UF
C408	NONE	NONE	2KV 561
C534	3KV 103	2KV 102	2KV 103
C403	50V 682	50V 822	50V 822
C305	50V 583	50V 513J	50V 513
C3P1	50V 683	50V 104	50V 104
R317	1/2 2.7	1/2 3.9	1/2 3.9
R946	20K	20K	20K
R310	1/2 390K-G	1/2 330K-G	1/2 330K-G
R316	9.1K	6.8K	7.5K
R314	1.5K-G	1.5K-G	1.5K-G
J111	1K	JUMPER	JUMPER
R413	1/2 390K	1/2 470K	1/2 390K
R411	1/2 133K-F	1/2 120K-F	1/2 120K-F
R313	10	56	10

