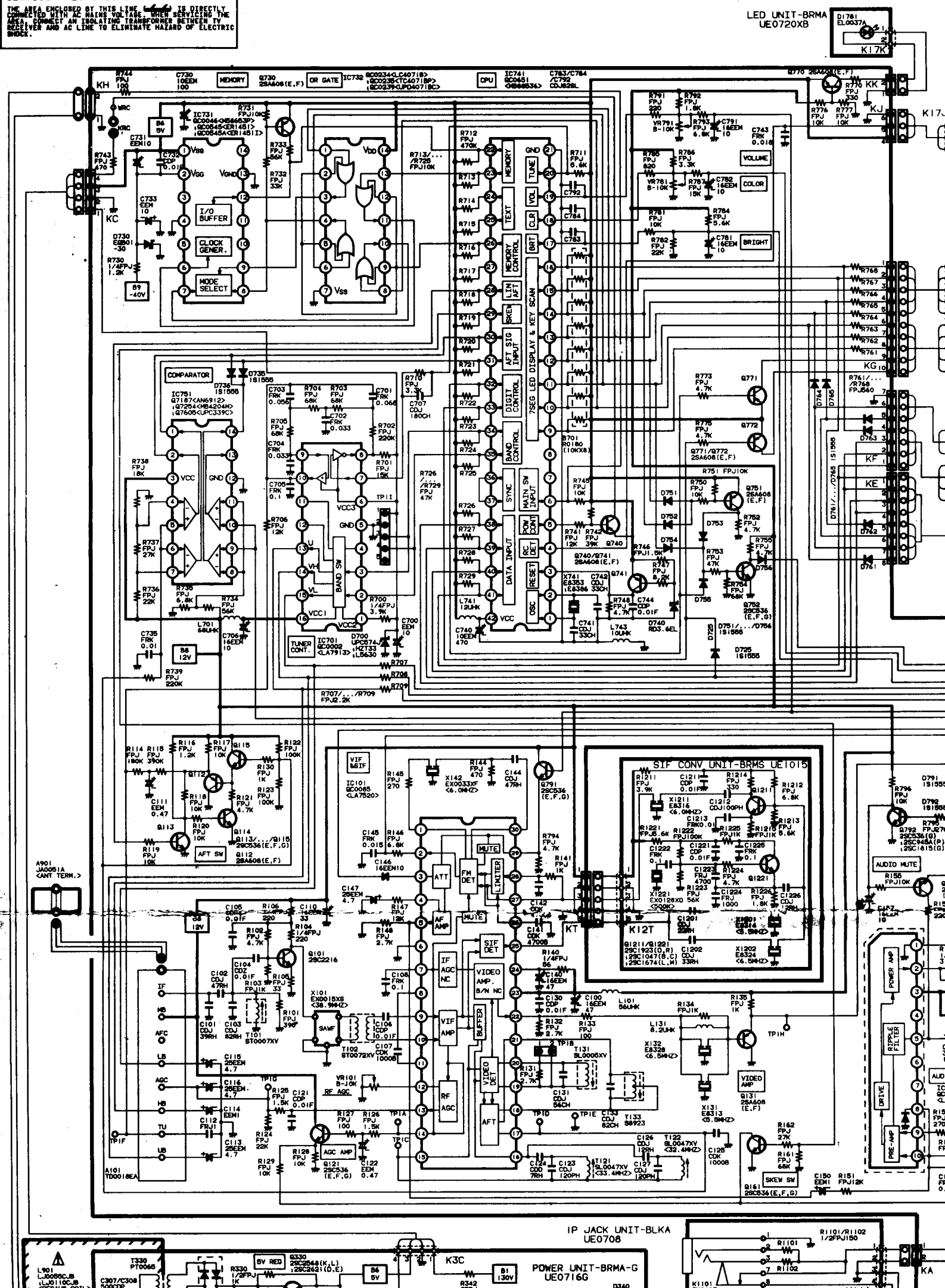
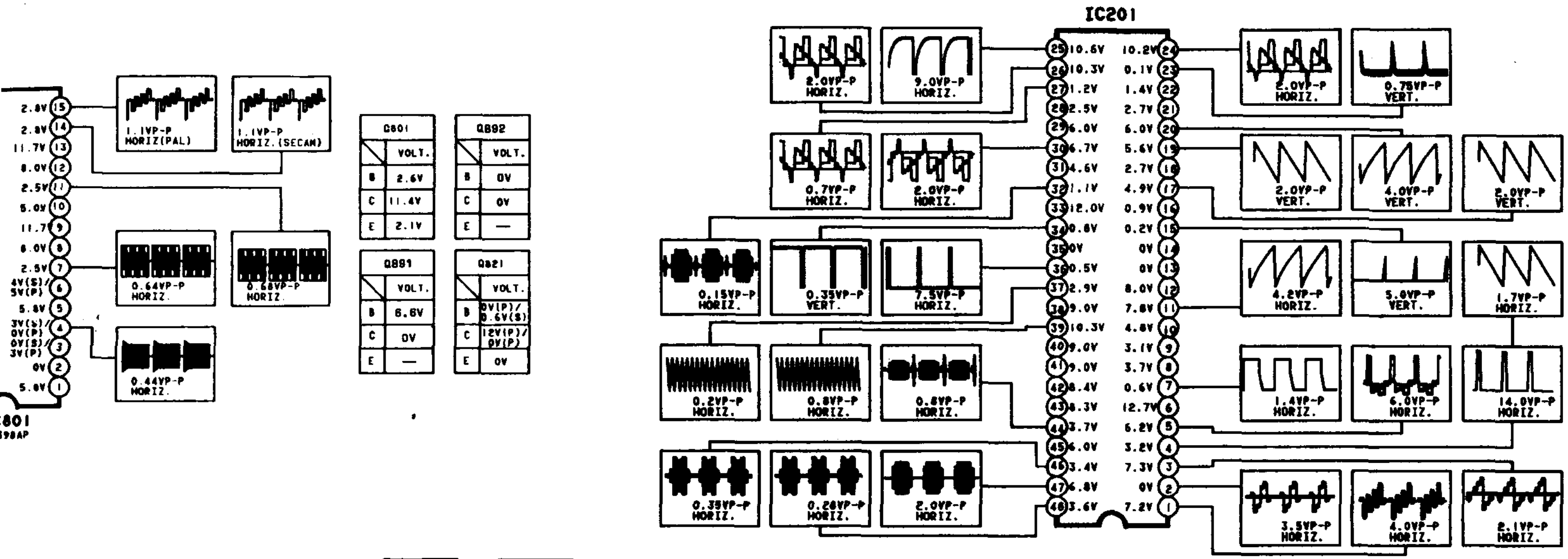
SERVICE PRECAUTION:

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





Q801	VOLT.
B	2.6V
C	11.4V
E	2.1V

Q892	VOLT.
B	0V
C	0V
E	—

Q881	VOLT.
B	6.6V
C	0V
E	—

Q821	VOLT.
B	0V(P)/0.6V(S)
C	12V(P)/0V(P)
E	0V

Q730	VOLT.
B	5V
C	4.8V
E	5V

Q770	VOLT.
B	6V
C	0V
E	5V

Q1771	VOLT.
B	0.6V
C	0V
E	0V

Q771	VOLT.
B	4.5V
C	3.3V
E	5V

Q772	VOLT.
B	4.7V
C	2.8V
E	5V

Q751	VOLT.
B	4.7V
C	2.4V
E	5V

Q740	VOLT.
B	5V
C	0V
E	8V

Q741	VOLT.
B	4.4V
C	5V
E	8V

Q752	VOLT.
B	0.6V
C	0V
E	0V

Q631	VOLT.
B	6.3V
C	0.5V
E	6.7V

IC481	VOLT.
1	15.0V
2	0V
3	12V

Q421	VOLT.	WAVEFORM
B	1.2V	0.75VP-P HORIZ.
C	16V	40VP-P HORIZ.
E	0V	-------

Q422	VOLT.	WAVEFORM
B	0V	11.5VP-P HORIZ.
C	108V	1150VP-P HORIZ.
E	0V	------

Q1311	VOLT.
B	7.2V
C	3V
E	8V

Q1312	VOLT.
B	3V
C	8.5V
E	2.4V

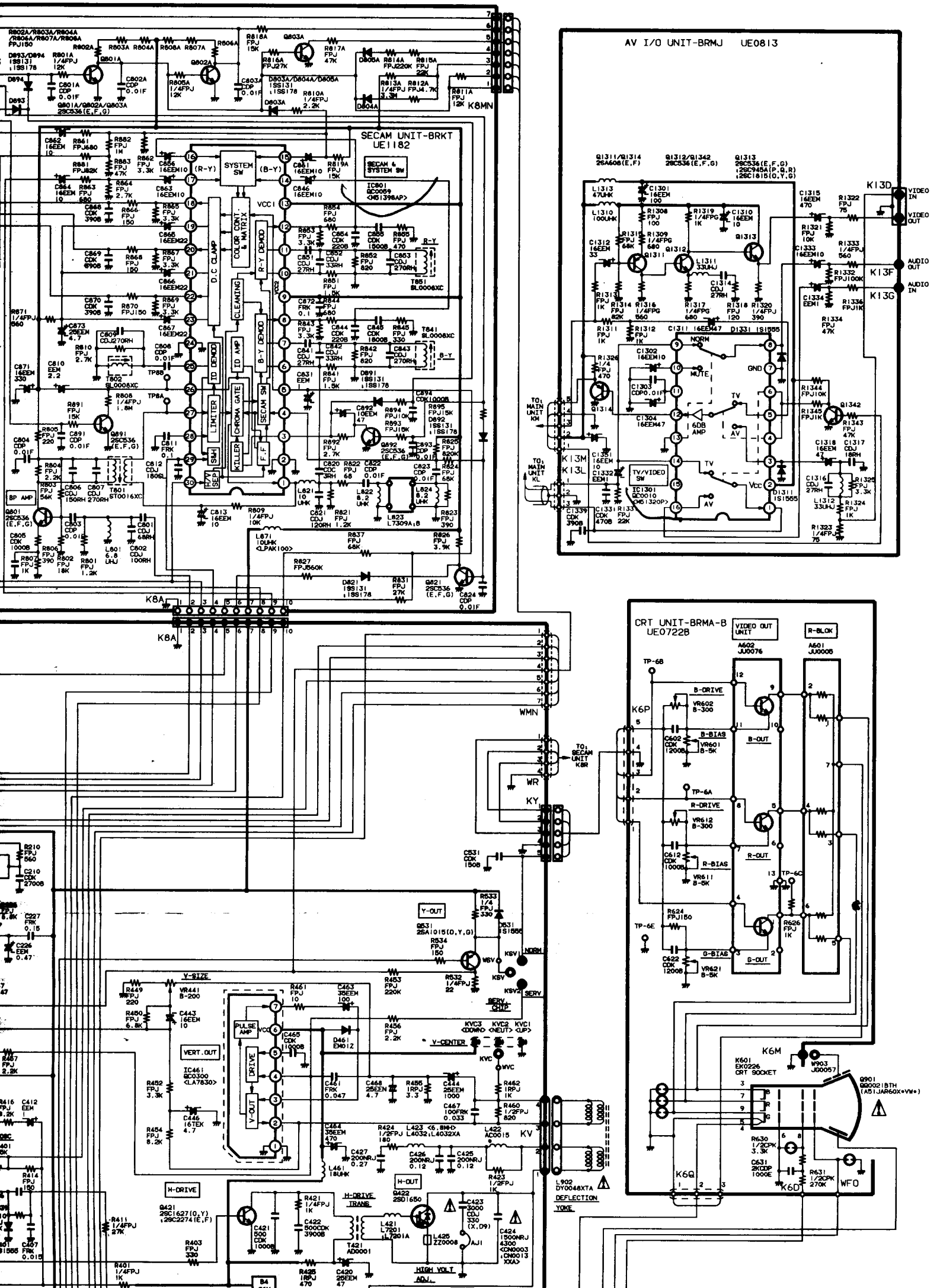
Q1313	VOLT.
B	6.5V
C	12V
E	7.8V

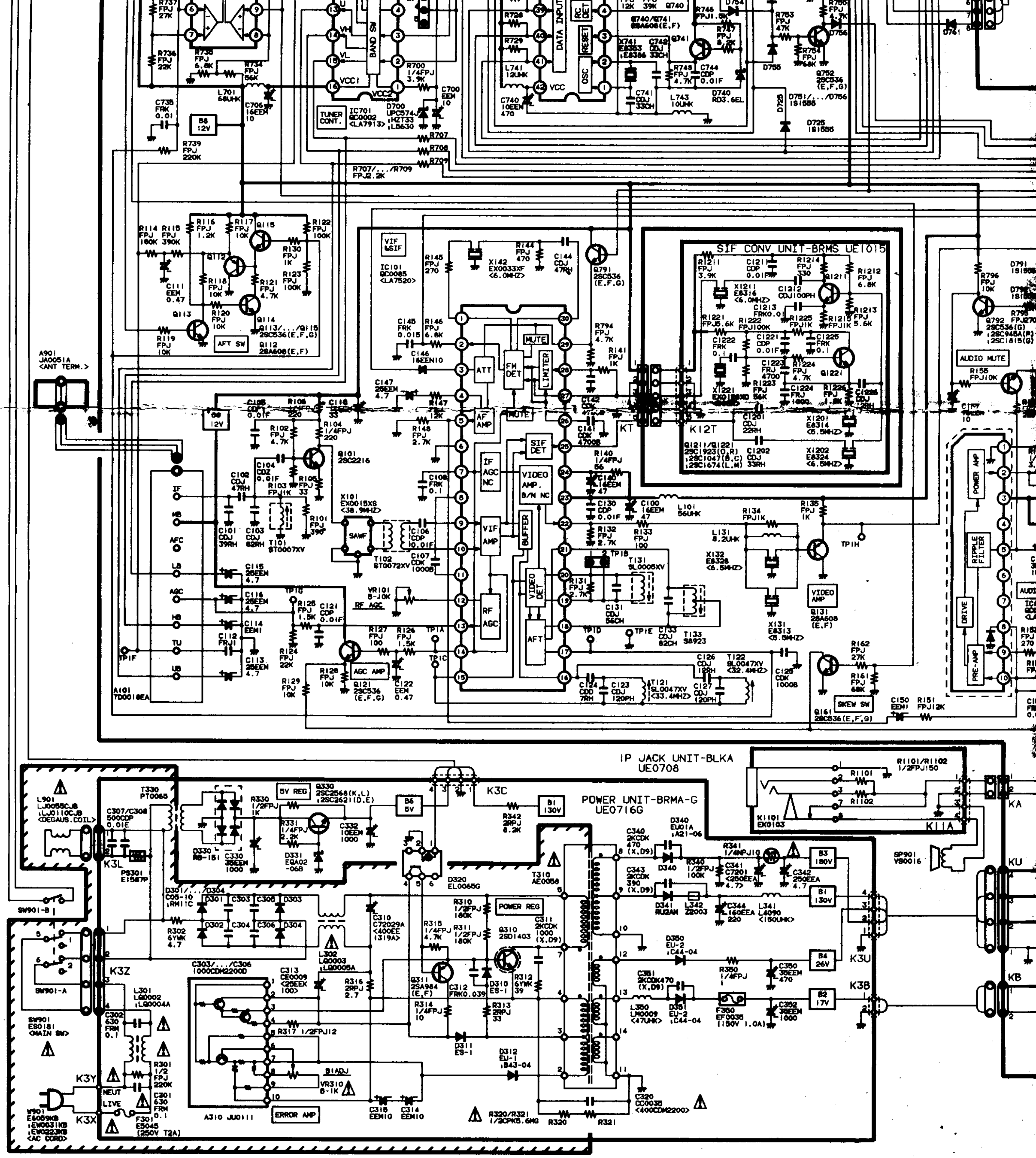
Q1314	VOLT.
B	5.6V
C	0V
E	6.4V

Q1342	VOLT.
B	0V
C	9.7V
E	0V

A602 PIN	VOLT	WAVEFORM
1	125V	120VP-P HORIZ.
2	7.2V	
3	7.2V	
4	7.2V	0.8VP-P HORIZ.
5	115V	110VP-P HORIZ.
6	7.2V	
7	7.2V	
8	7.2V	3.5VP-P HORIZ.
9	126V	
10	7.2V	115VP-P HORIZ.
11	7.8V	
12	7.2V	
13	0V	1.6VP-P HORIZ.

A601	PIN	1	2	3	4	5	6	7
	VOLT.	125V	125V	115V	115V	126V	125V	182V


AV I/O UNIT-BRMJ UE0813
SECAM UNIT-BRKT UE1182
CRT UNIT-BRMA-B UE0722B
K8MN
K8A
K13D
K13F
K13G
K13M
K13L
K6P
K6M
K6Q
K6D
WMN
WR
KY
WFO
VIDEO IN
VIDEO OUT
AUDIO OUT
AUDIO IN
TO MAIN UNIT KM
TO MAIN UNIT KL
TO SECAM UNIT K8R
SYSTEM SW
COLOR CONT. & MATRIX
D.C CLAMP
R-Y DEMOD
B-Y DEMOD
ID AMP
ID DEMOD
CLEANING
CHROMA GATE
KILLER
LIMITER
SECAM SW
F.F
SCP
SYNC
BP AMP
VIDEO OUT UNIT
R-BLOK
B-DRIVE
B-BIAS
B-OUT
R-DRIVE
R-BIAS
R-OUT
G-BIAS
G-OUT
V-SIZE
V-CENTER
VERT.OUT
H-DRIVE
H-OUT
H-DRIVE TRANS
HIGH VOLT ADJ.
DEFLECTION YOKE
CRT SOCKET
Y-OUT
SERV
NORM
MUTE
TV
AV
GND
Vcc



COLOUR TELEVISION

SANYO

85P CHASSIS SERIES

SERVICE REF. NO. CEM2108PV-00

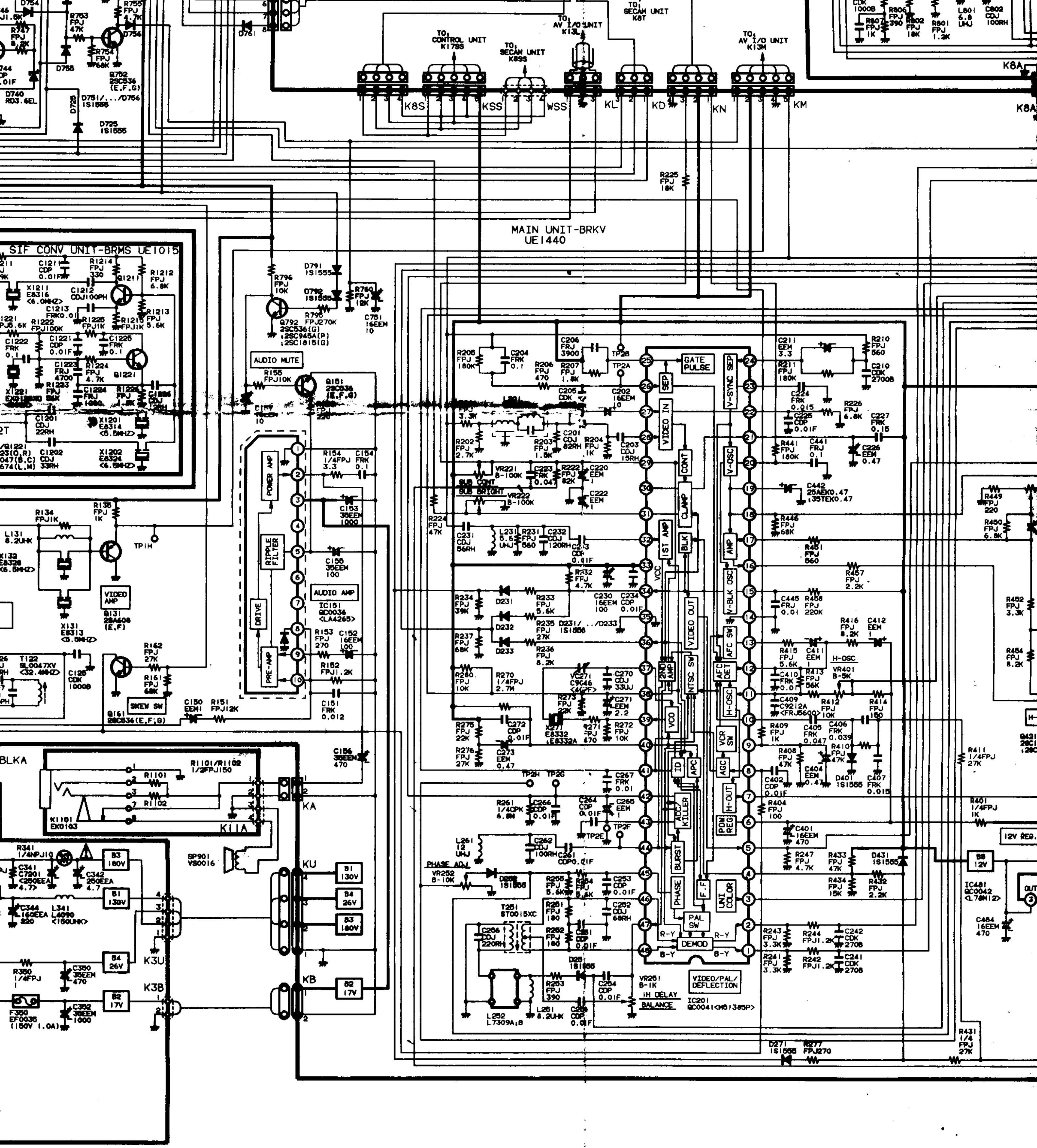
Part No. 3P07036 BRKV

PRODUCT SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A COMPONENT REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A MARK ⚠ IN THIS CIRCUIT DIAGRAM SHOW COMPONENTS WHOSE VALUE HAVE SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS SPECIFIED ON THE PARTS LIST OF SERVICE MANUAL BE USED FOR COMPONENTS REPLACEMENT POINTED OUT BY THE MARK.

CIRCUIT DIAGRAM NOTES;

1. ALL RESISTANCE VALUES ARE IN OHMS; K=1,0
2. ALL RESISTANCE RATED WATTAGES ARE 1/6W U
3. EXCEPTING ELECTROLYTIC CAPACITORS, ALL C
   1 ARE EXPRESSED IN UF, AND MORE THAN 1 A
   ELECTROLYTOC CAPACITANCE VALUES ARE IN U
4. ALL CAPACITANCE RATED VOLTAGES ARE 50V U
5. ALL INDUCTANCE VALUES ARE IN UH.
6. VOLTAGE READINGS TAKEN WITH A "TESTER" A
   CHASSIS GROUND. VOLTAGE READINGS TAKEN B
   ARE WITH ALL CONTROLS AT NORMAL AND AFC S
   SOME VOLTAGES MAY VARY WITH SIGNAL STREN
7. WAVEFORMS WERE TAKEN WITH COLOUR BAR SIGN
   FOR NORMAL PICTURE. WAVEFORMS WERE TAKEN
   SCOPE AND A LOW CAPACITY PROBE.
8. THIS CIRCUIT DIAGRAM COVERS A BASIC OR RE
   THERE MAY BE SOME COMPONENTS OR PARTIAL C
   THE ACTUAL CHASSIS AND THE CIRCUIT DIAGRA



OTICE

E CONSIDERED
EMENT IS MADE
ER. COMPONENTS
N THIS CIRCUIT
WHOSE VALUE
CE TO PRODUCT
RLY RECOMMENDED
ED ON THE PARTS
BE USED FOR
POINTED OUT

CIRCUIT DIAGRAM NOTES;

1. ALL RESISTANCE VALUES ARE IN OHMS; K=1,000; M=1,000,000.
2. ALL RESISTANCE RATED WATTAGES ARE 1/6W UNLESS OTHERWISE NOTED.
3. EXCEPTING ELECTROLYTIC CAPACITORS, ALL CAPACITANCE VALUES OF LESS THAN 1 ARE EXPRESSED IN UF, AND MORE THAN 1 ARE IN PF. ELECTROLYTOC CAPACITANCE VALUES ARE IN MF.
4. ALL CAPACITANCE RATED VOLTAGES ARE 50V UNLESS OTHERWISE NOTED.
5. ALL INDUCTANCE VALUES ARE IN UH.
6. VOLTAGE READINGS TAKEN WITH A "TESTER" ARE FROM POINT INDICATED TO CHASSIS GROUND. VOLTAGE READINGS TAKEN BY USING A COLOUR BAR SIGNAL ARE WITH ALL CONTROLS AT NORMAL AND AFC SWITCH IN "OFF" POSITION. SOME VOLTAGES MAY VARY WITH SIGNAL STRENGTH.
7. WAVEFORMS WERE TAKEN WITH COLOUR BAR SIGNAL AND CONTROLS ADJUSTED FOR NORMAL PICTURE. WAVEFORMS WERE TAKEN BY USING A WIDE BAND OSCILLO-SCOPE AND A LOW CAPACITY PROBE.
8. THIS CIRCUIT DIAGRAM COVERS A BASIC OR REPRESENTATIVE CHASSIS ONLY. THERE MAY BE SOME COMPONENTS OR PARTIAL CIRCUIT DIFFERANCES BETWEEN THE ACTUAL CHASSIS AND THE CIRCUIT DIAGRAM.
9. EXPRESSION OF CAPACITANCE AND RESISTANCE IN CIRCUIT DIAGRAM:

- CAPACITANCE (EXAMPLE)

  1000 C D M 2200 D
  - D — CHARACTERISTIC
  - 2200 — CAPACITANCE VALUE (2200PF)
  - M — ALLOWABLE ERROR (+-20%)
  - D — TERMINAL CONSTRUCTION
  - C — KIND (CERAMIC)
  - 1000 — RATED VOLTAGE (1000V)

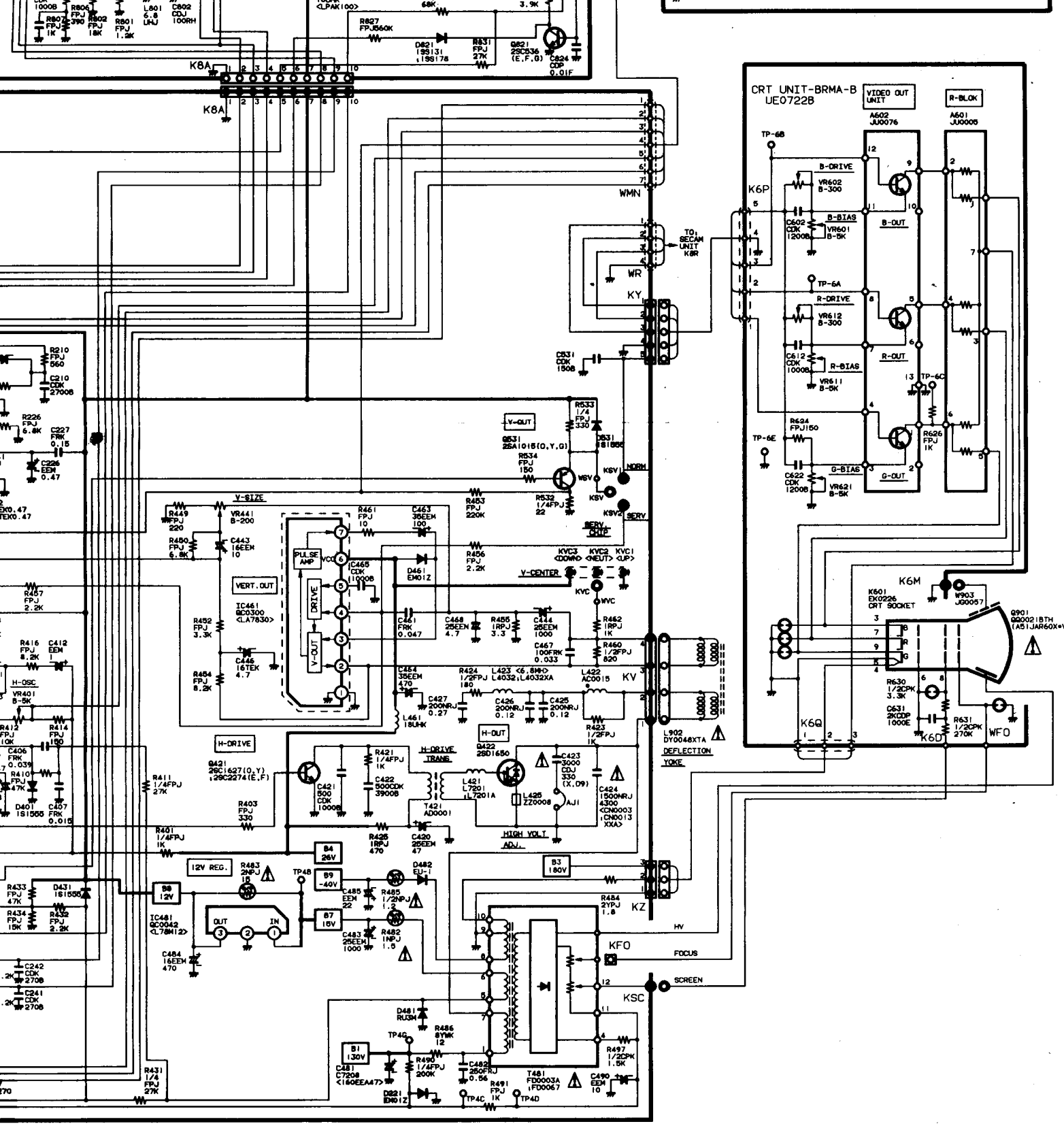
  •KIND --- C ... CERAMIC
  E ... ELECTROLYTIC
  F ... MYLAR FILM
  M ... POLYPROPYLENE

  •ALLO

- RESISTANCE (EXAMPLE)

  1/2 N P J 1.2
  - 1.2 — RESISTANCE VALUE (1.2 OHM)
  - J — ALLOWABLE ERROR (+-5%)
  - P — TERMINAL CONSTRUCTION
  - N — KIND (METALIZED CARBON)
  - 1/2 — RATED WATTAGE (1/2W)

  •KIND --- F ... CARBON
  N ... METALIZED CARBON
  R ... OXIDE METALIZED
  Y ... WIRE WOUND
  C ... SOLID



TRANSISTOR, DIODE & INTEGRATED CIRCUIT TERMINAL GUIDE

C: COLLECTOR
B: BASE
E: EMITTER

A: ANODE
K: CATHODE

PARTICULAR PARTS SYMBO

FUSIBLE RESISTOR

NON-POLE ELECTROLYTIC CAPACITOR

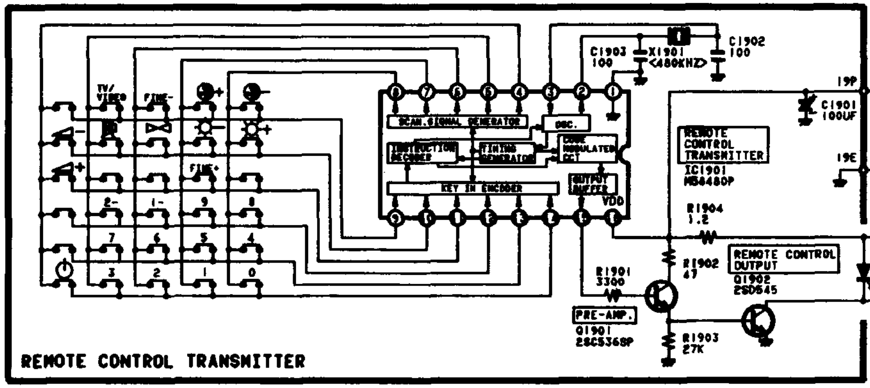
POSISTER

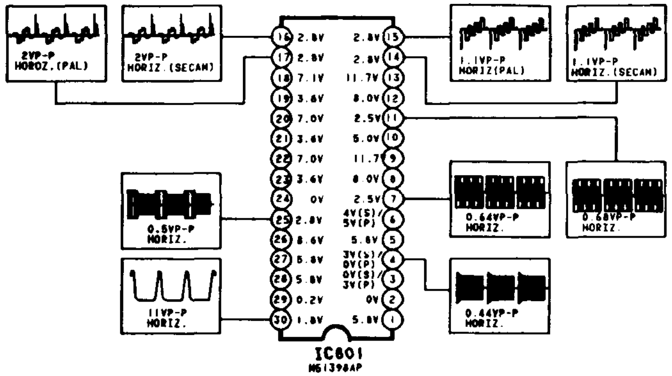
IAGRAM:

*KIND --- C ... CERAMIC
E ... ELECTROLYTIC
F ... MYLAR FILM
N ... POLYPROPYLENE

*ALLOWABLE ERROR --- G ... +-2%
J ... +-5%
K ... +-10%
M ... +-20%
Z ... +80% -20%
P ... +100% -0%

*KIND --- F ... CARBON
N ... METALIZED CARBON
R ... OXIDE METALIZED
Y ... WIRE WOUND
C ... SOLID





Q801	VOLT.
B	2.6V
C	11.4V
E	2.1V

Q802	VOLT.
B	0V
C	0V
E	—

Q881	VOLT.
B	8.6V
C	0V
E	—

Q821	VOLT.
B	0V(P)/ 0.6V(S)
C	12V(P)/ 0V(P)
E	0V

Q112	VOLT.
B	5.2V
C	0V
E	5.8V

Q113	VOLT.
B	0V
C	5V
E	0V

Q114	VOLT.
B	0.7V
C	0V
E	0V

Q115	VOLT.
B	5.8V
C	12V
E	5.2V

Q791	VOLT.
B	5V
C	12V
E	4.4V

Q792	VOLT.
B	0.6V
C	0.1V
E	0V

Q151	VOLT.
B	0V
C	22.5V
E	0V

Q131	VOLT.
B	4.6V
C	0V
E	5.3V

Q101	VOLT.
B	0V
C	8.2V
E	0V

Q121	VOLT.
B	4.3V
C	12V
E	3.7V

Q161	VOLT.
B	0V
C	3.7V
E	0V

Q330	VOLT.
B	5.6V
C	18V
E	5V

Q311	VOLT.
B	-2.9V
C	-29V
E	-2.9V

Q730	VOLT.
B	5V
C	4.8V
E	5V

Q770	VOLT.
B	6V
C	0V
E	5V

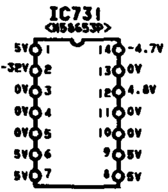
Q1771	VOLT.
B	0.6V
C	0V
E	0V

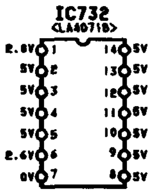
Q771	VOLT.
B	4.5V
C	3.3V
E	5V

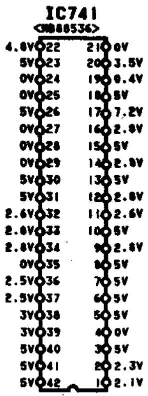
Q772	VOLT.
B	4.7V
C	2.8V
E	5V

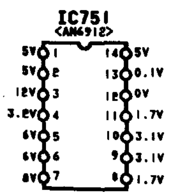
Q740	VOLT.
B	5V
C	0V
E	5V

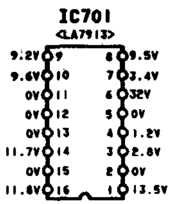
Q741	VOLT.
B	4.4V
C	5V
E	5V





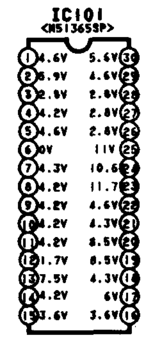


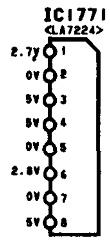


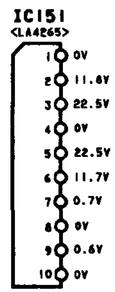


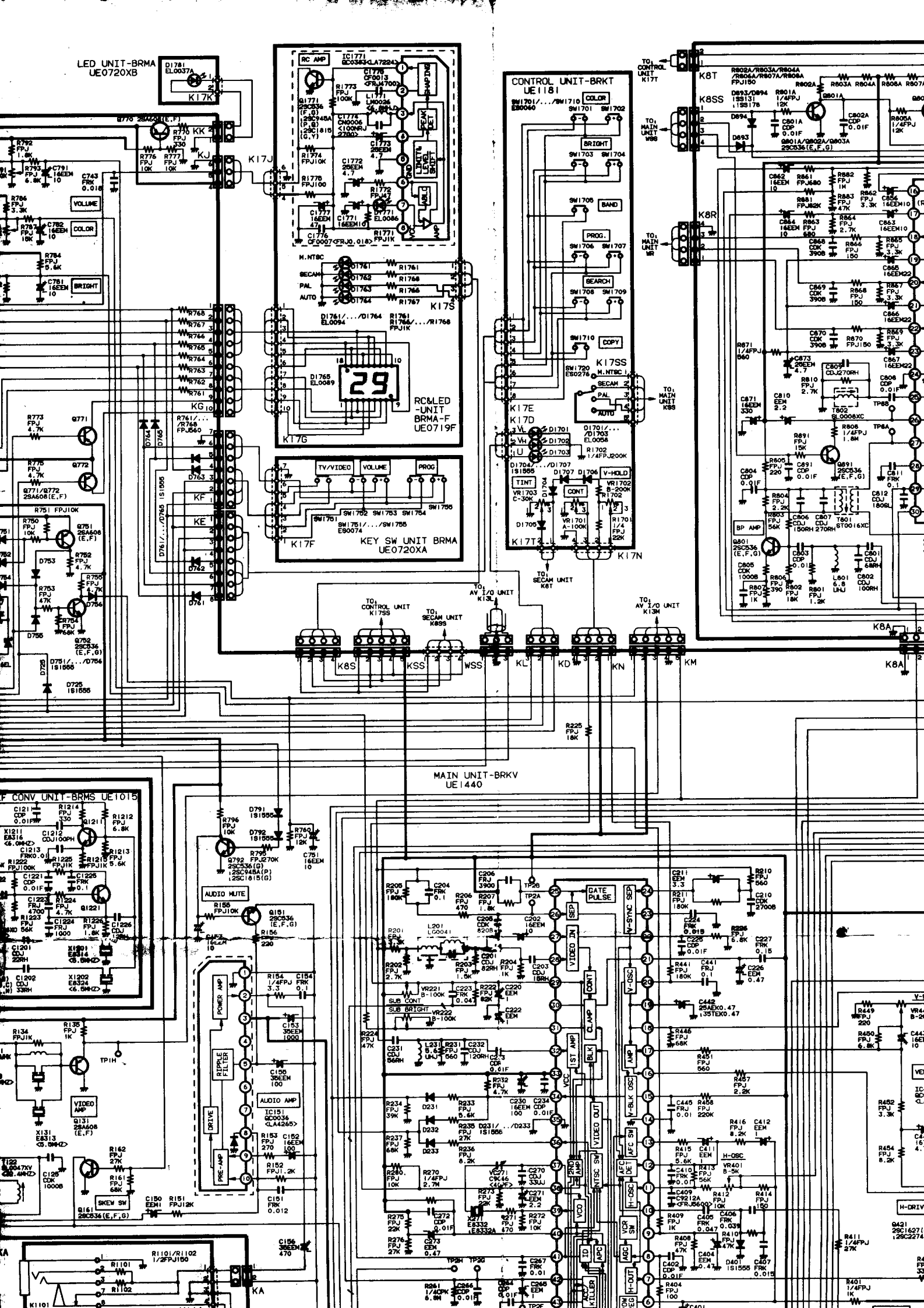
A310	PIN	1	2	3	4	5	6	7	8	9	10
	VOLT.	-5.7V	-5.3V	-2.9V	-4.7V	-29V	-8V	-29V	-8.8V	-7V	0V
	WAVEFORM	---	2.4VP-P	7.0VP-P	6.0VP-P	---	---	---	---	---	---

Q310	VOLT.	WAVEFORM
B	-2.5V	7.0VP-P
C	—	620VP-P
E	0V	------








LED UNIT-BRMA
UE0720XB
D1781
EL0037A
K17K
KK
KJ
K17J
K17S
RC&LED
-UNIT
BRMA-F
UE0719F
K17G
K17F
KEY SW UNIT BRMA
UE0720XA
CONTROL UNIT-BRKT
UE1181
K17SS
K17E
K17D
K17T
K17N
K8T
K8SS
K8R
K8A
K8S
KSS
WSS
KL
KD
KN
KM
KF
KE
KG
KA
MAIN UNIT-BRKV
UE1440
F CONV UNIT-BRMS UE1015
VOLUME
COLOR
BRIGHT
TV/VIDEO
PROG
SECAM
PAL
AUTO
BAND
SEARCH
COPY
TINT
CONT
V-HOLD
AUDIO MUTE
AUDIO AMP
POWER AMP
RIPPLE FILTER
DRIVE
PRE-AMP
VIDEO AMP
SKEW SW
GATE PULSE
SUB CONT
SUB BRIGHT
VIDEO OUT
H-OSC
V-OSC
V-BLK OSC
BP AMP
TO: CONTROL UNIT K17SS
TO: SECAM UNIT K8S
TO: AV I/O UNIT K13L
TO: AV I/O UNIT K13M
TO: MAIN UNIT K8S
TO: MAIN UNIT K8R
TO: CONTROL UNIT K17T