

IC731 <TDA2549P>

1	5.0V	2.0V	1.0V	0.5V
2	12.0V	1.0V	0.5V	0.5V
3	12.0V	1.0V	0.5V	0.5V
4	12.0V	1.0V	0.5V	0.5V
5	12.0V	1.0V	0.5V	0.5V
6	12.0V	1.0V	0.5V	0.5V
7	12.0V	1.0V	0.5V	0.5V

IC732 <L500180A>

1	12.0V	1.0V	0.5V	0.5V
2	12.0V	1.0V	0.5V	0.5V
3	12.0V	1.0V	0.5V	0.5V
4	12.0V	1.0V	0.5V	0.5V
5	12.0V	1.0V	0.5V	0.5V
6	12.0V	1.0V	0.5V	0.5V
7	12.0V	1.0V	0.5V	0.5V

IC741 <TDA3590A>

1	12.0V	1.0V	0.5V	0.5V
2	12.0V	1.0V	0.5V	0.5V
3	12.0V	1.0V	0.5V	0.5V
4	12.0V	1.0V	0.5V	0.5V
5	12.0V	1.0V	0.5V	0.5V
6	12.0V	1.0V	0.5V	0.5V
7	12.0V	1.0V	0.5V	0.5V

IC701 <TDA3564P>

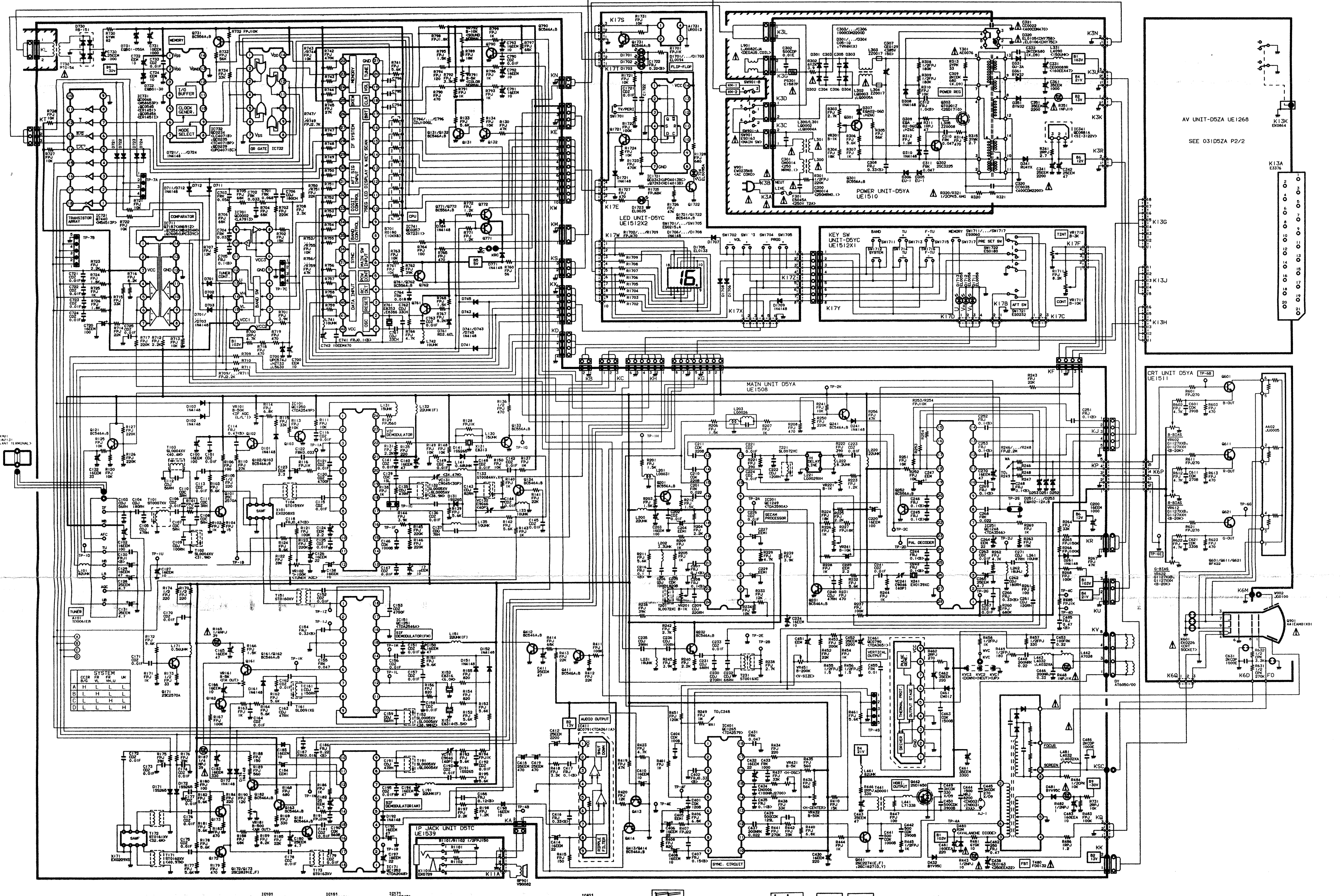
1	12.0V	1.0V	0.5V	0.5V
2	12.0V	1.0V	0.5V	0.5V
3	12.0V	1.0V	0.5V	0.5V
4	12.0V	1.0V	0.5V	0.5V
5	12.0V	1.0V	0.5V	0.5V
6	12.0V	1.0V	0.5V	0.5V
7	12.0V	1.0V	0.5V	0.5V

IC201 <TDA3590A>

1	12.0V	1.0V	0.5V	0.5V
2	12.0V	1.0V	0.5V	0.5V
3	12.0V	1.0V	0.5V	0.5V
4	12.0V	1.0V	0.5V	0.5V
5	12.0V	1.0V	0.5V	0.5V
6	12.0V	1.0V	0.5V	0.5V
7	12.0V	1.0V	0.5V	0.5V

IC251 <TDA3564P>

1	12.0V	1.0V	0.5V	0.5V
2	12.0V	1.0V	0.5V	0.5V
3	12.0V	1.0V	0.5V	0.5V
4	12.0V	1.0V	0.5V	0.5V
5	12.0V	1.0V	0.5V	0.5V
6	12.0V	1.0V	0.5V	0.5V
7	12.0V	1.0V	0.5V	0.5V



SYSTEM

1	12.0V	1.0V	0.5V	0.5V
2	12.0V	1.0V	0.5V	0.5V
3	12.0V	1.0V	0.5V	0.5V
4	12.0V	1.0V	0.5V	0.5V
5	12.0V	1.0V	0.5V	0.5V

WAVEFORMS

1	3.0V	2.0V	1.0V	0.5V
2	3.0V	2.0V	1.0V	0.5V
3	3.0V	2.0V	1.0V	0.5V
4	3.0V	2.0V	1.0V	0.5V
5	3.0V	2.0V	1.0V	0.5V

PARTICULAR PARTS SYMBOL

COLOUR TELEVISION F4 CHASSIS SERIES

SANYO SERVICE REF. NO. CEM1744-00

PRODUCT SAFETY NOTICE

CIRCUIT DIAGRAM NOTES:

1. ALL RESISTOR VALUES ARE IN OHMS, UNLESS OTHERWISE SPECIFIED.
2. ALL RESISTOR RATED WATTAGES ARE 1/4W UNLESS OTHERWISE NOTED.
3. CAPACITORS ELECTROLYTIC CAPACITORS, ALL CAPACITOR VALUES OF 10μ OR MORE IN ANY AREA OF A RECEIVER, COMPONDS INDICATED BY A WAVE IN THIS CIRCUIT DIAGRAM (WHICH COMPONENTS SHOULD HAVE SPECIAL SIGNIFICANCE TO PRODUCT SAFETY). IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS SPECIFIED ON THE PARTS LIST OF SERVICE MANUAL BE USED FOR COMPONENT REPLACEMENT PRINTED OUT BY THE MANUFACTURER.
4. ALL ELECTROLYTIC CAPACITORS ARE IN μF.
5. ALL ELECTROLYTIC CAPACITORS ARE IN μF.
6. ELECTROLYTIC CAPACITOR VALUES ARE IN μF.
7. WAVEFORMS WERE TAKEN WITH COLOUR BAR SIGNAL, AND CONTROLS ADJUSTED TO NORMAL POSITION (IF INDICATED).
8. WAVEFORMS WERE TAKEN WITH COLOUR BAR SIGNAL, AND CONTROLS ADJUSTED TO NORMAL POSITION (IF INDICATED).
9. WAVEFORMS WERE TAKEN WITH COLOUR BAR SIGNAL, AND CONTROLS ADJUSTED TO NORMAL POSITION (IF INDICATED).

EXPRESSION OF CAPACITORS AND RESISTORS IN CIRCUIT DIAGRAM:

1000 Ω = 1K

RESISTOR (EXAMPLE): 10K 1/4W

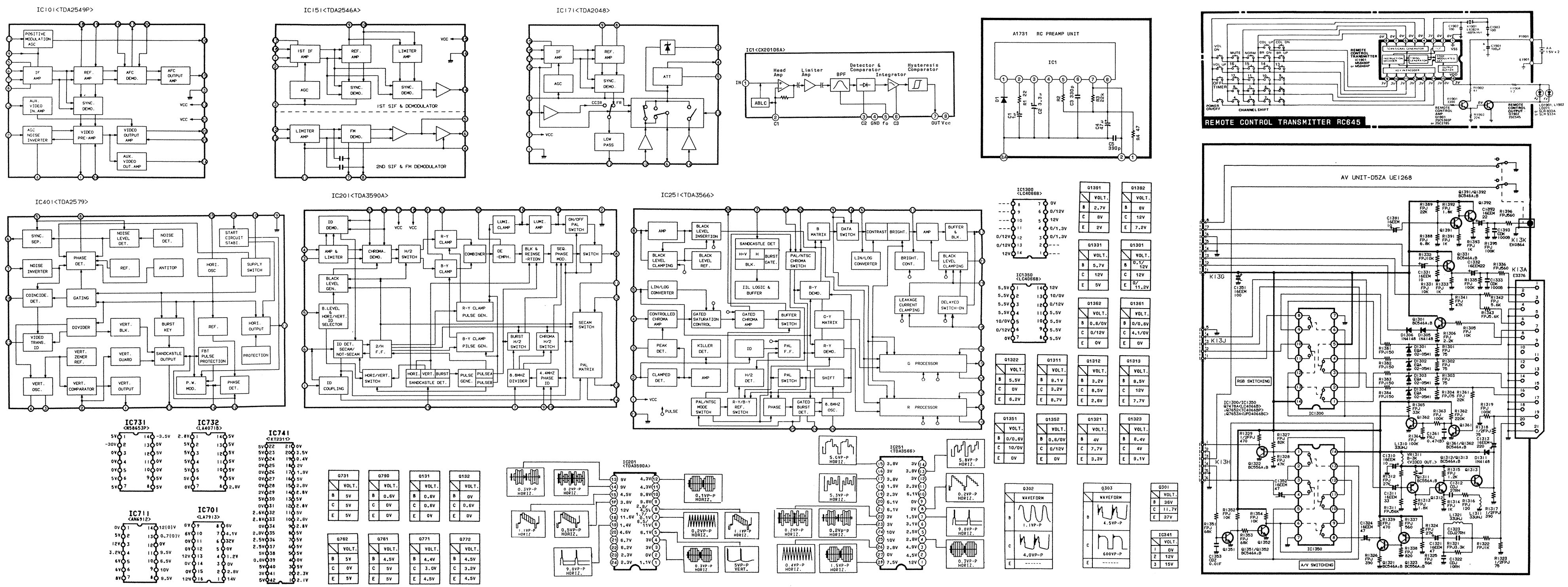
10K 1/4W 1% (1000 Ω)

10K 1/4W 1% (1000 Ω)

10K 1/4W 1% (1000 Ω)

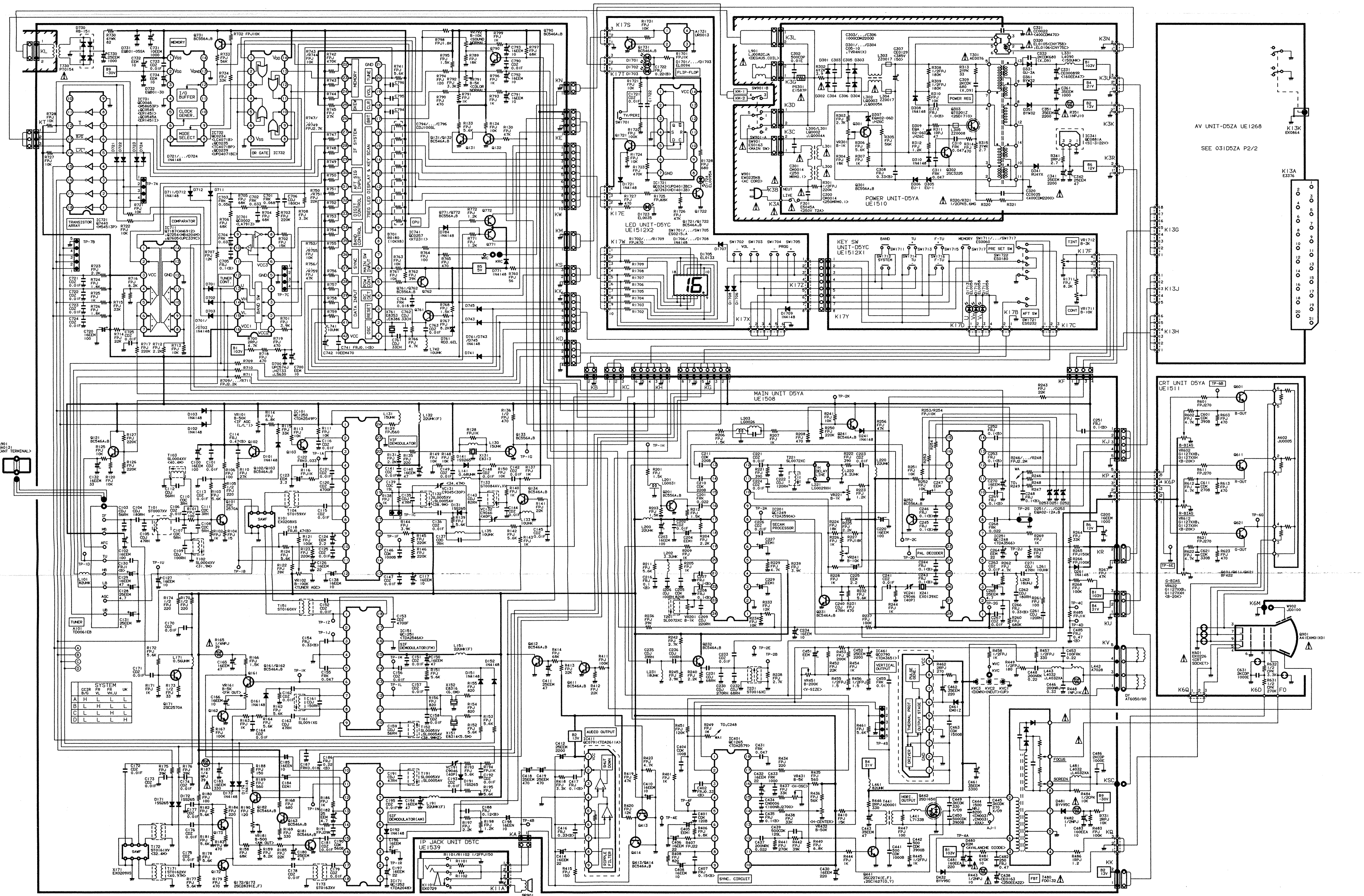
10K 1/4W 1% (1000 Ω)

10K 1/4W 1% (1000 Ω)



IC731 (CTA453P) IC732 (CTA47B) IC741 (CTA215D) IC701 (CTA181) IC711 (CTA181)

NO.	VOLTS	DC	AC	VOLTS	DC	AC	VOLTS	DC	AC	VOLTS	DC	AC	VOLTS	DC	AC	VOLTS	DC	AC
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



SERVICE PRECAUTION: THE AREA ENCLOSED BY THIS LINE IS DIRECTLY CONNECTED WITH AN MAIN POWER SOURCE. THE RECEPTOR AND ALL LINE TO TERMINAL VALUES OF ELECTRIC FEED.

NO.	VOLTS	DC	AC	NO.	VOLTS	DC	AC	NO.	VOLTS	DC	AC	NO.	VOLTS	DC	AC
1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0
4	0	0	0	4	0	0	0	4	0	0	0	4	0	0	0
5	0	0	0	5	0	0	0	5	0	0	0	5	0	0	0
6	0	0	0	6	0	0	0	6	0	0	0	6	0	0	0
7	0	0	0	7	0	0	0	7	0	0	0	7	0	0	0
8	0	0	0	8	0	0	0	8	0	0	0	8	0	0	0
9	0	0	0	9	0	0	0	9	0	0	0	9	0	0	0
10	0	0	0	10	0	0	0	10	0	0	0	10	0	0	0
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17	0	0	0	17	0	0	0	17	0	0	0	17	0	0	0
18	0	0	0	18	0	0	0	18	0	0	0	18	0	0	0
19	0	0	0	19	0	0	0	19	0	0	0	19	0	0	0
20	0	0	0	20	0	0	0	20	0	0	0	20	0	0	0

SANYO F4 CHASSIS SERIES CEM1744-00

COLOUR TELEVISION

PRODUCT SAFETY NOTICE

CIRCUIT DIAGRAM NOTES

- ALL RESISTOR VALUES ARE IN OHMS. K=1,000, M=1,000,000.
- ALL RESISTOR RATED WATTAGES ARE 1/2W UNLESS OTHERWISE NOTED.
- EXCEPTING ELECTROLYTIC CAPACITORS, ALL CAPACITOR VALUES OF LESS THAN 1 μ ARE EXPRESSED IN N, AND MORE THAN 1 μ ARE IN μF.
- ALL CAPACITOR RATED VOLTAGES ARE 50V UNLESS OTHERWISE NOTED.
- ALL DIMENSIONAL VALUES ARE IN MM.
- VOLTAGE READINGS TAKEN WITH "PTM" ARE FROM POINT INDICATED BY CHASSIS GROUND. VOLTAGE READINGS TAKEN BY USING A COLOUR BAR SIGNAL AND WITH ALL CONTROLS AT NORMAL AND AFC OFF WITH "OFF" POSITION. SOME VOLTAGES MAY VARY WITH SIGNAL STRENGTH.
- WAVEFORMS ARE TAKEN WITH COLOUR BAR SIGNALS AND CONTROLS ADJUSTED FOR NORMAL PICTURE. WAVEFORMS WERE TAKEN BY USING A WIDE BAND OSCILLOSCOPE AND A LOW CAPACITY PROBE.
- THIS CIRCUIT DIAGRAM COVERS A BASIC OR REPRESENTATIVE CHASSIS ONLY. THERE MAY BE SOME COMPONENTS OR PARTS, CIRCUIT DIFFERENCES BETWEEN THE ACTUAL CHASSIS AND THE CIRCUIT DIAGRAM.

EXPRESSSION OF CAPACITORS AND RESISTORS IN CIRCUIT DIAGRAM

TYPE	EXPRESSSION
WATER CAPACITORS	W
ELECTROLYTIC	E
NON-POLYPROPYLENE	N
POLYPROPYLENE	P

TERMINALS

TYPE	TERMINAL
RESISTANCE VALUE (Ω-100K)	R
TERMINAL CONNECTION (TYPE DETACHED CARRIER)	T
SOLDER WATTAGE (1/2W)	W

TRANSISTOR, DIODE & INTEGRATED CIRCUIT TERMINAL GUIDE

PARTICULAR PARTS SYMBOL

AV UNIT-D52A UE126B

POWER UNIT-D5YA UE1510

MAIN UNIT-D5YA UE150B

CRT UNIT-D5YA UE1511

RESISTOR

DIODE

TRANSISTOR

IC

WAVEFORM