

MAIN PCB ASSY E6SKP (UE2778B)

IC710 BAND SWITCH

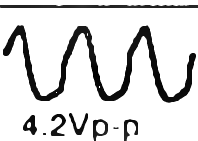
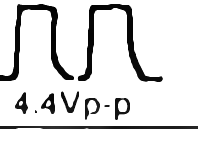
0.002	1
11.7V	2
3.3V	3
0V	4
0.001	5
12.2V	6
0.1V	7
0.004	8
11.8V	9

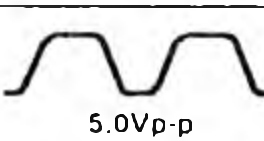
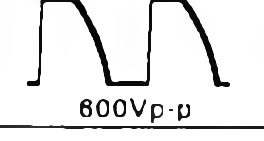
Q101	VOLT.
B	1.2V
C	0.4V
E	6.2V

THE 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.

Q511	VOLT.
B	13.5V
C	0.8V
E	13.5V

Q512	VOLT.	WAVEFORM
B	- 0.1V	
C	- 0.1V	
E	0V	-----

Q513	VOLT.	WAVEFORM
B	- 0.8V	
C	315V	
E	0V	-----

Q553	VOLT.
B	6.7V
C	35.5V
E	6.2V

CIRCUIT DIAGRAM NOTICE:

1. All resistance value are in ohms, K=1,000, M=1,000.
2. All resistance rated wattages are 1/6W unless otherwise specified.
3. Excepting electrolytic capacitors, all capacitance value are expressed in μ F and more than 1 are pF.
4. All capacitance rated voltages are 50V unless otherwise specified.
5. All inductance values are in μ H.
6. Voltage readings taken with taken with a "VTVM" and chassis ground. Voltage readings taken by using a VTVM with all controls at normal position. Some voltages are taken with a low capacity probe.
7. Waveforms were taken with colour bar and controls at normal position. Waveforms were taken by using a wide band low capacity probe.
8. This circuit diagram covers a basic or representative circuit. There may be some components or partial circuit difference between the chassis and the circuit diagram.

SANYO

COLOUR TELEVISION

A7-A CHASSIS SERIES

SERVICE REF. NO. C14EA13EX - 00
C14EA13EX - 01

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 Δ in this circuit diagram show components whose values have special significance to product safety. It is particularly recommended that only parts specified on the part service manual be used for components replacement pointed out by the mark Δ .

Q122	
	VOL
B	3.1
C	33.1
E	2.4

9. Expression of capacitance and resistance in circuit diagram.

Capacitance(Example)

1000 C M 2000 D

1	2	3	4	5

11/11/2019

— 100 —

Resistance(Examp

1/2 N J 1.2

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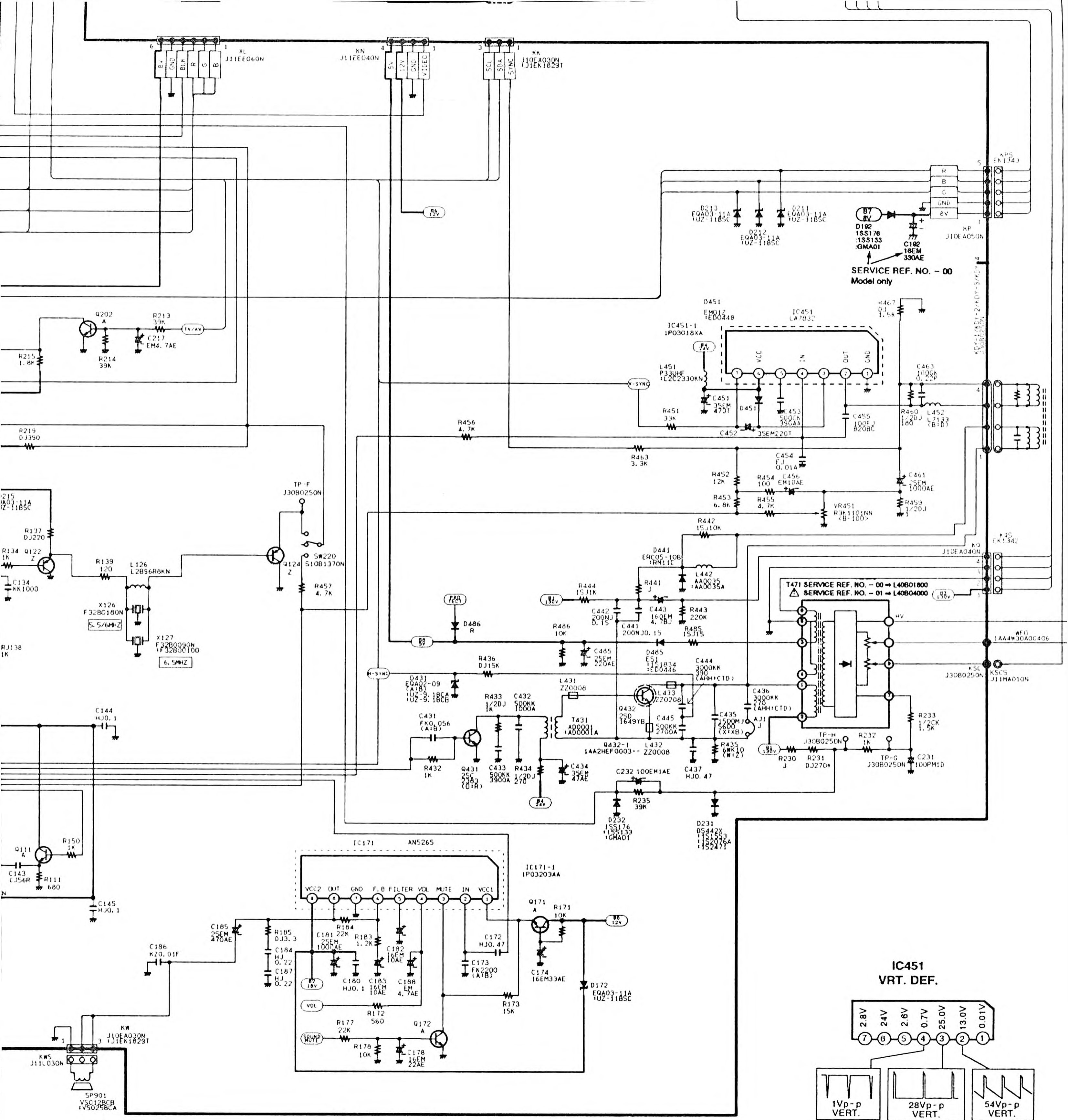
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- J = $\pm 5\%$
- K = $\pm 10\%$
- M = $\pm 20\%$

- T.A.U.D: Electrolytic
- C.K.B. Ceramic
- F: Mylar film
- M.N. Polypropylene
- Z Metalized

- paper
- D: Carbon
- N: Metalized
- carbon
- S: Oxide
- metalized
- W: Wire
- winding

—C:Solid



Q122	VOLT.
B	3.1V
C	33.1V
E	2.4V

Q124	VOLT.
B	2.3V
C	0.007V
E	3.0V

Q113	VOLT.
B	4.6V
C	7.8V
E	3.3V

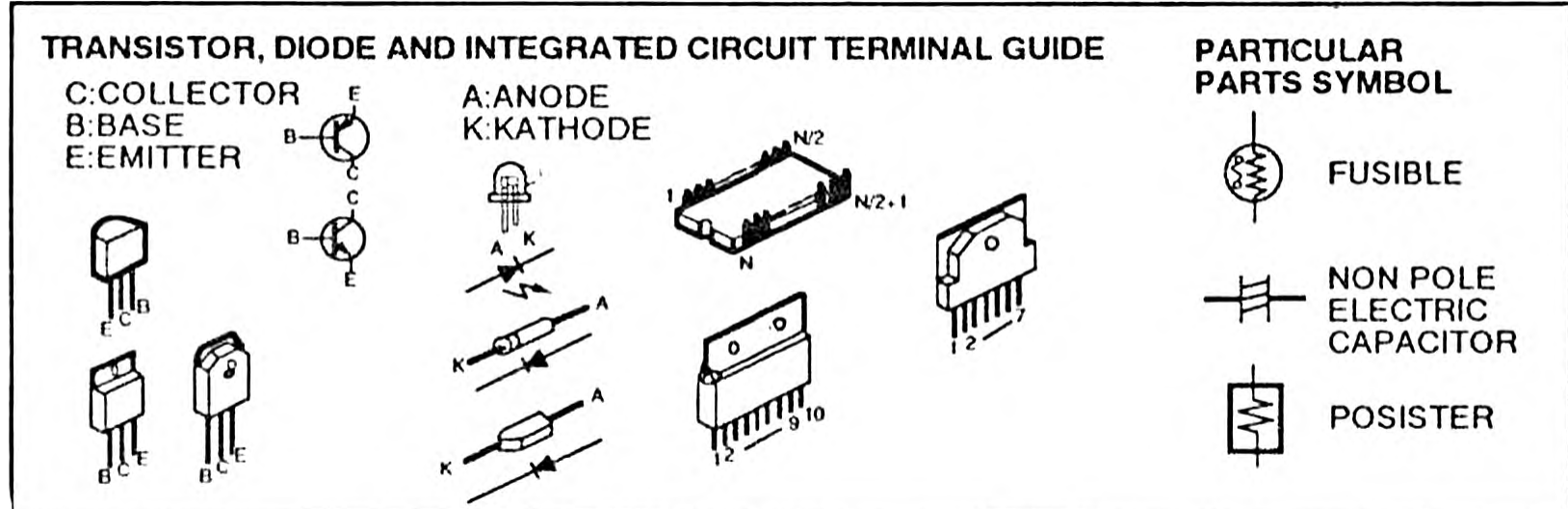
Q111	VOLT.
B	3.1V
C	7.8V
E	2.4V

Q172	VOLT.
B	0.6V
C	0.01V
E	-0.001V

Q171	VOLT.
B	11.3V
C	11.8V
E	10.6V

IC171	AUDIO AMP.
1	10.6V
2	4.7V
3	0.01V
4	0.08V
5	8.8V
6	8.3V
7	0.004V
8	9.0V
9	18.4V

IC451	VRT. DEF.
1	0.01V
2	13.0V
3	25.0V
4	0.7V
5	2.6V
6	2.4V
7	2.8V
8	1Vp-p VERT.
9	28Vp-p VERT.
10	54Vp-p VERT.



10. Parts specified with " X " are not installed in this model.

11. Parts specified with " J " are just jumper wires.

12. Difference between Service Ref. No. "C14EA13EX-00"

	Service Ref. No. - 00	Service Ref. No. - 01
T471	L40B01800	L40B04000
C192	16EM 330AE	NOT USED
D192	1SS176, 1SS133, GMA01	NOT USED
CRT UNIT	UE2780	1AA0B10E1

Teletext Decoder is an optional extra.

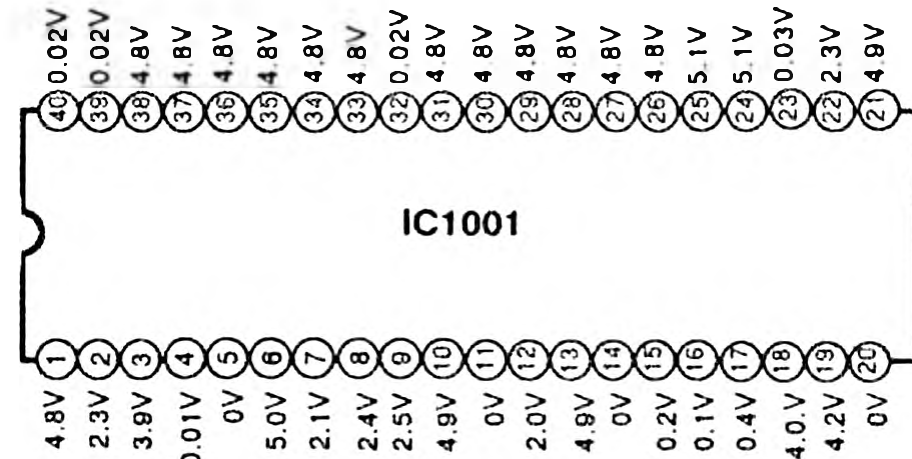
Note: Voltage rating in decoder unit taken using teletext signal.

Q1001	VOLT.
B	0.3V
C	4.9V
E	0.5V

Q1003	VOLT.
B	1.5V
C	4.9V
E	1.1V

Q1002	VOLT.
B	0.2V
C	4.9V
E	0.5V

Q1004	VOLT.
B	4.2V
C	4.9V
E	3.6V



Q1006	VOLT.
B	0.6V
C	0.02V
E	- V

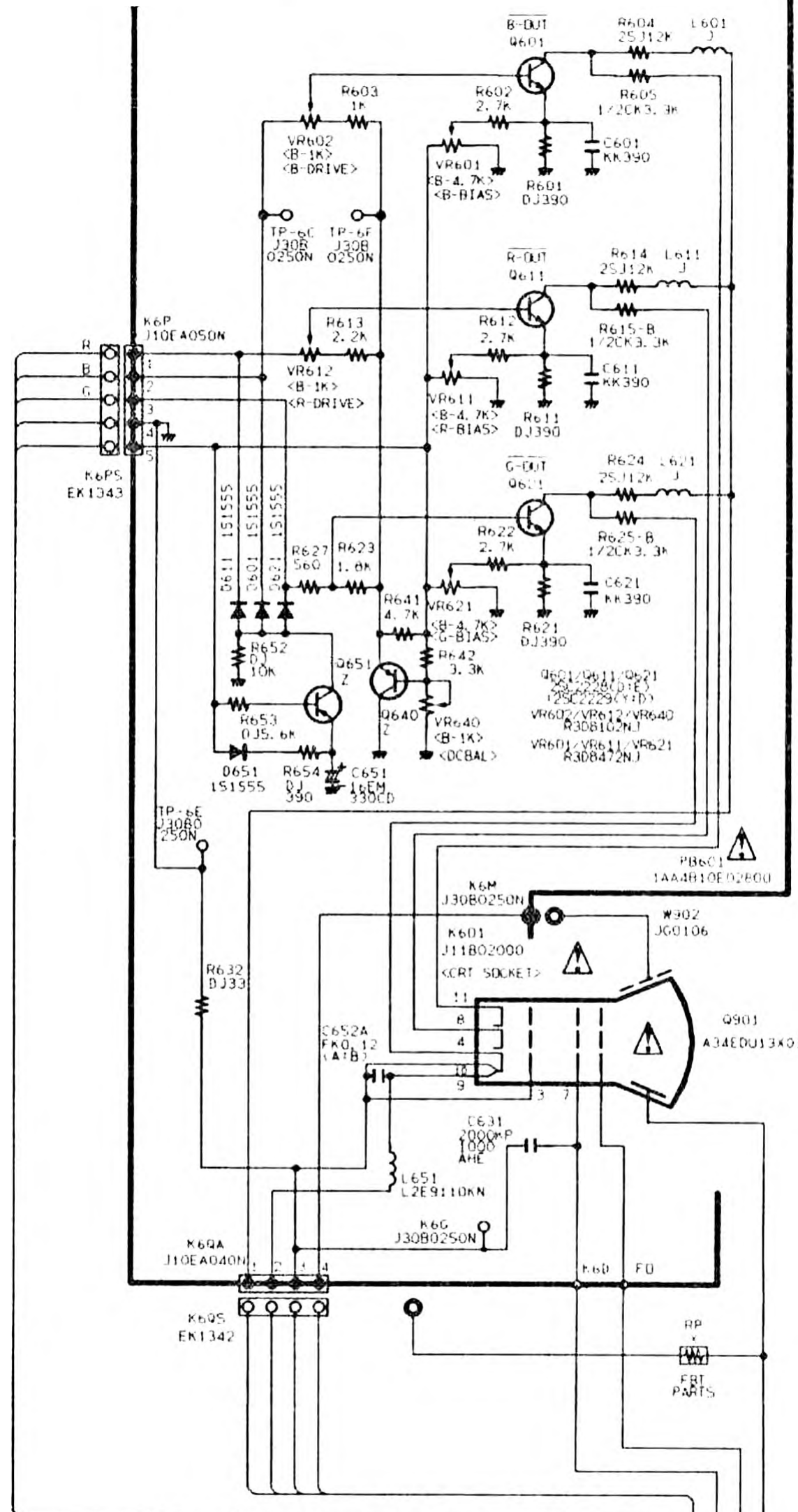
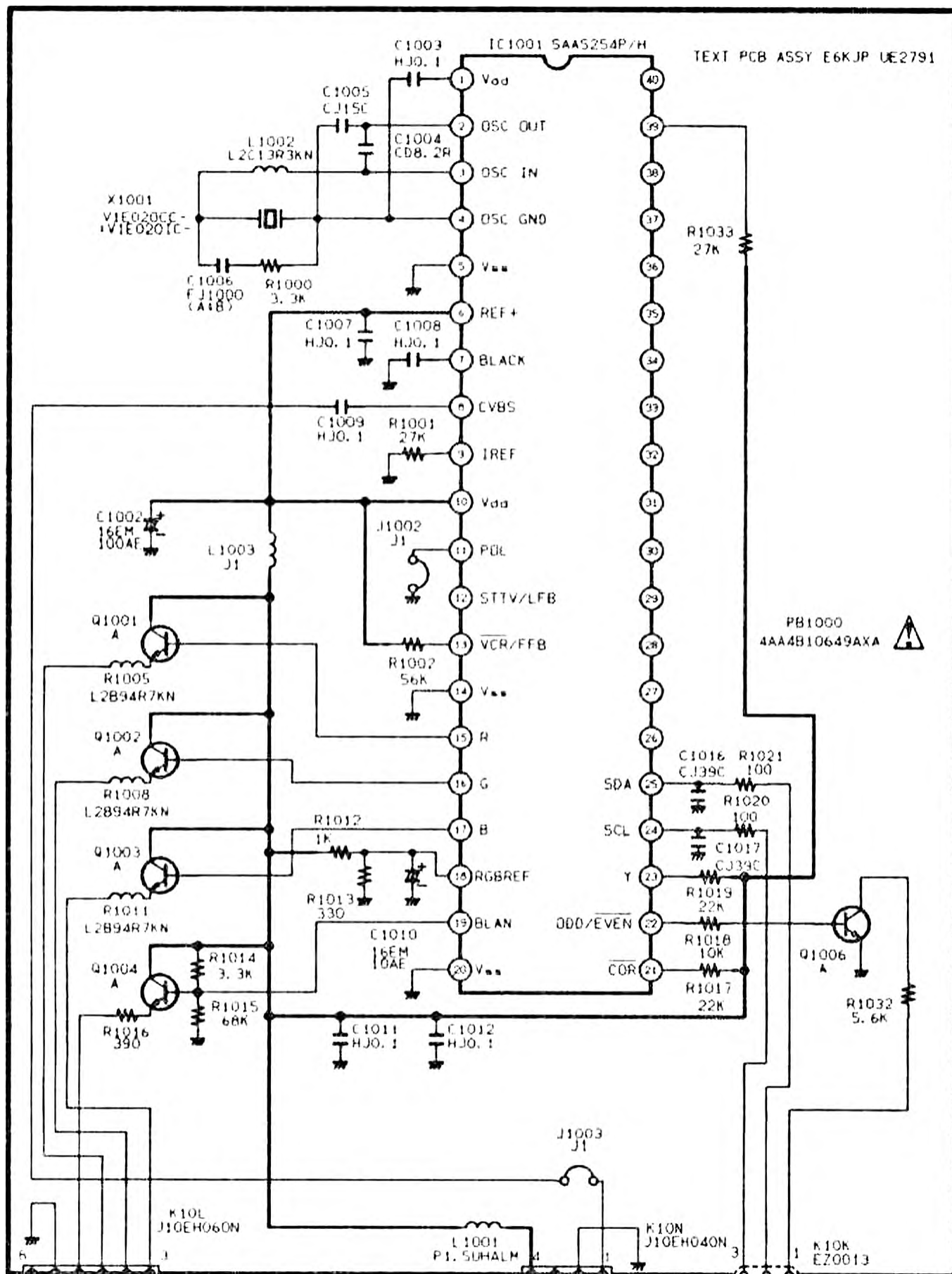
NOTES:
LIST OF REPLACEABLE PARTS.

SANYO CODE	D1004
70000019	1S1555, 1S2473, 1S2076, D5442, 1N4148

SANYO CODE	2SC536	2SC945A	2SC1815	2SC1740	2SC1740S
A	70100214	E, F, G	P, Q, R	D, L, G	Q, R, S

SANYO CODE	2SA606	2SA164A	2SA1015	2SA933	2SA933S
7	70100418	E, F	Q, R	D, L, G	Q, R

SERVICE REF. NO. - 00 → CRT PCB ASS'Y E6K2P UE2781
SERVICE REF. NO. - 01 → ASS'Y, PWB, CRT E6PKH 1AA0B10E14800

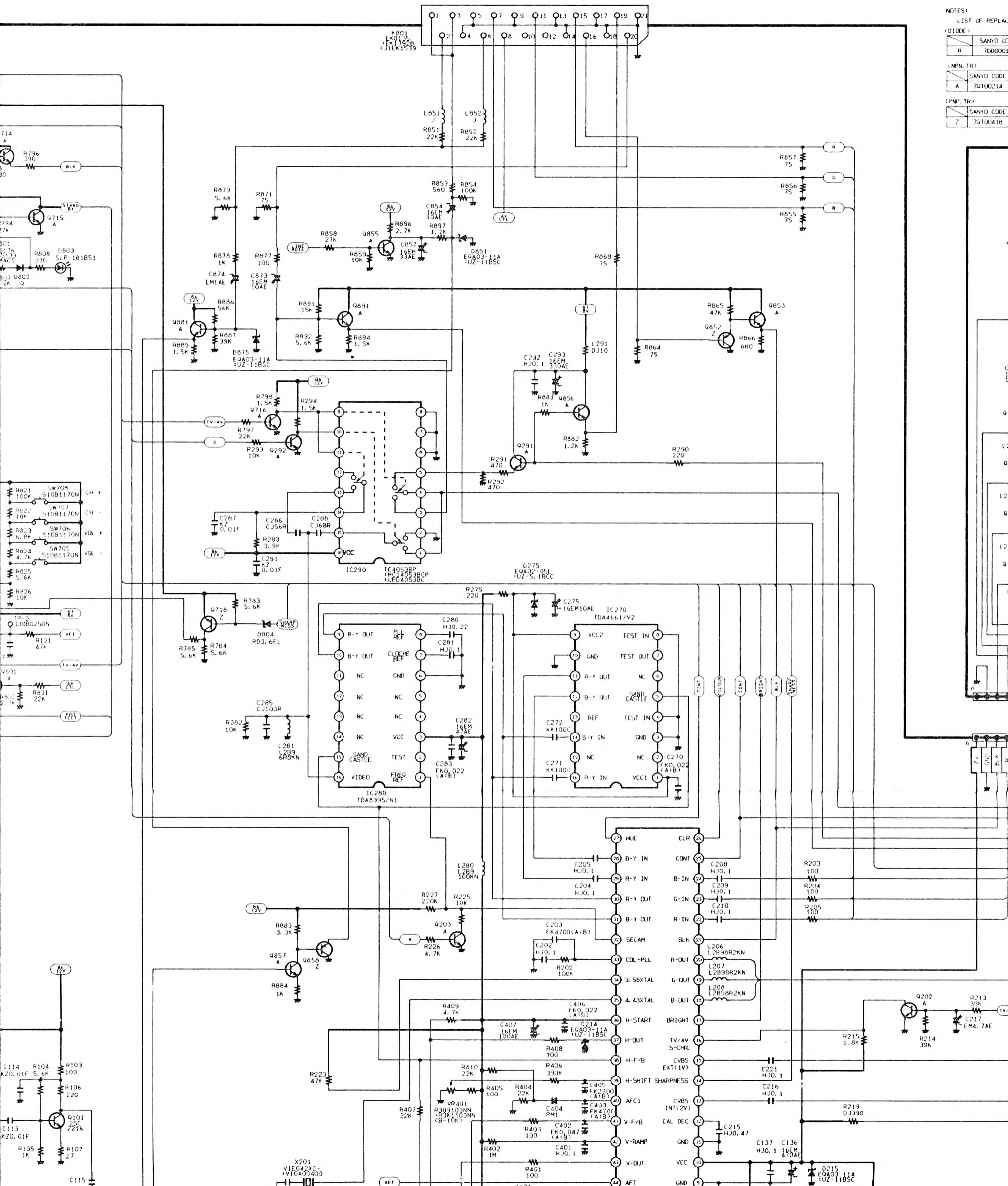


SWITCH

IC280
SECAM

IC270
1H DELAY

8 0.01V	1.4V	9	8 4.1V	4.9V	9	8 0.006V
7 0.01	1.4V	10	7 3.0V	0.01V	10	7 0.7V
6 0.01	1.3V	11	6 0.014V	3.1V	11	6 0.7V
5 1.1V	1.2V	12	5 0.07V	3.1V	12	5 0.8V
4 1.1V	1.1V	13	4 - V	-	13	4 0.01V
3 1.4V	1.1V	14	3 7.7V	1.3V	14	3 0.005V
2 0.003V	0.8V	15	2 1.1V	1.2V	15	2 -
1 1.1V	0.007V	16	1 1.6V	1.3V	16	1 4.9V



NOTES:

LIST OF REPLACEMENT PARTS

(DIODE)

R	SANYO CODE
R	7000001

(PNP, TR)

A	SANYO CODE
A	70100214

(PNP, TR)

Z	SANYO CODE
Z	70100418

6
ULT.
0 V
8V
4V

IC290
TV/AV SWITCH

0.07V	(9)	(8)	0.01V
11.8V	(10)	(7)	0.01
0.07V	(11)	(6)	0.01
11.8V	(12)	(5)	1.1V
11.8V	(13)	(4)	1.1V
11.8V	(14)	(3)	1.4V
1.1V	(15)	(2)	0.003V
11.8V	(16)	(1)	1.1V

IC280
SECAM

1.4V	(9)	(8)	4.1V
1.4V	(10)	(7)	3.0V
1.3V	(11)	(6)	0.014V
1.2V	(12)	(5)	0.07V
1.1V	(13)	(4)	- V
1.1V	(14)	(3)	7.7V
0.8V	(15)	(2)	1.1V
0.007V	(16)	(1)	1.6V

IC270
1H DELAY

4.9V	(9)	(8)	0.006V
0.01V	(10)	(7)	0.7V
3.1V	(11)	(6)	0.7V
3.1V	(12)	(5)	0.8V
-	(13)	(4)	0.01V
1.3V	(14)	(3)	0.005V
1.2V	(15)	(2)	-
1.3V	(16)	(1)	4.9V

