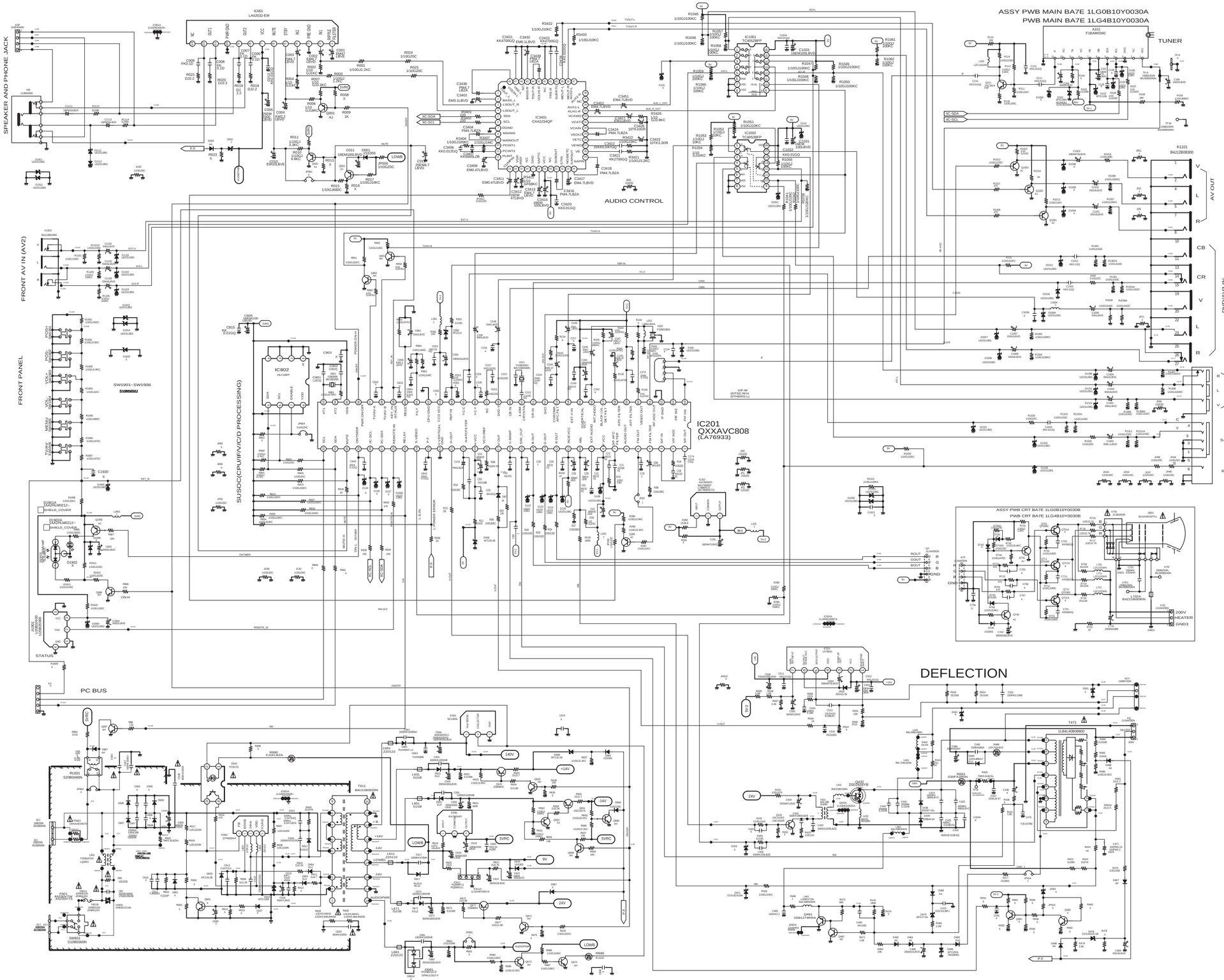


NOTES:

1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE "1/6DJ"
2. RESISTORS SPECIFIED WITH TYPE OF RESISTOR, TOLERANCE AND RESISTANCE VALLUE ARE "1/4 F".
3. ALL CAPACITORS ARE 50WV RATING UNLESS OTHERWISE NOTED.
4. PARTS MARKED WITH ⚠ ARE RELATED WITH X-RADITION.
5. THICK LINES ARE 1SWATTS SUPPLY LINE.
6. BOTTOM VIEW OF TR & IC.

TOP VIEW

IC CASE OF TR
IN CASE OF IC

7. ISOLATION BOARDER LINE.

COLD SIDE HOT SIDE

8.CHIP TRANSISTORS

9.CHIP RESISTORS

LIST OF REPLACEABLE TRANSISTORS

(2SA933S TYPE)

	14TH CODE	2SA933S	2SA1015	2SA564A
AB	7T200181	R	Y,GR	R
AC	7T200182	Q,R	G,Y,GR	Q,R

(2SA1037K CHIP TYPE)

	14TH CODE	2SA1179	2SA1037
AJ	7T200221	M6,M7	R,S

(2SC1740S TYPE)

	14TH CODE	2SC17405	2SC945A	2SC1815
AD	7T200183	Q,R,S	QA,PA	Y,GR
AE	7Q700202	Q,R,S	RA,QA,PA	G,Y,GR

(2SC2412K CHIP TYPE)

	14TH CODE	2SC2812	2SC2412K
AR	7T200220	L6,L7	R,S

LIST OF REPLACEABLE DIODE

	14TH CODE	DIODE NAME
A	7D000019	1S1555,1S1473,1S1555,1S5442,1N4148
AA	7D000197	1S1555,1S1473,1S1555,1S5442,1N4148, 1S1776,1S1473,1S1555
M	7E000025	1S1176,GMA03,1S1531
P	7D000321	1S1553,1S1870A,1S2471, 1N4148

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.

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 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.

CIRCUIT DIAGRAM NOTICE:
1. All resistance value 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 μ F and more than 1 are pF.
4. All capacitance rated voltages are 50V unless otherwise noted.
5. All inductance values are in μ H.
6. Voltage readings take with a "VTVM" are from point indicated chassis ground. Voltage readings taken by using NTSC colour bar signal are with all controls at normal position. Some voltage may vary with signal strength.
7. Waveform were taken with NTSC colour bar 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 differences between the actual chassis and the circuit diagram.
9. Parts specified with "X" are not installed in this model.
10. Parts specified with "J" are just jumper wires.

11. Expression of capacitance and resistance in circuit diagrme.

Capacitance (Example)

1000 C M 2000 D

- Characteristic
- Capacitance value (220pF)
- Allowable error (±20%)
- Kind (Ceramic)
- Rated voltage (1,000V)

Allowable error (±20%):
- J= ± 5%
- K= ±10%
- M= ±20%

Kind (Ceramic):
- T, A, U, D: Electrolytic
- C, K, B: Ceramic
- F: Mylar film
- M, N: Polypropylene
- Z: Metalized paper

Resistance (Example)

1/2 N J 1.2

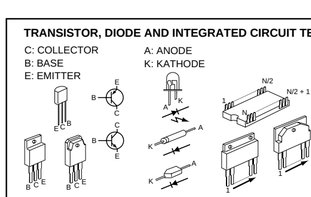
- Resistance value (1.2Ω)
- Allowable error (±5%)
- Kind (M.carbon)
- Rated wattage (1/2W)

Kind (M.carbon):
- D: Carbon
- N: Metalized carbon
- S: Oxied metalized
- W: Wire wounding
- C: Solid

TRANSISTOR, DIODE AND INTEGRATED CIRCUIT TERMINAL GUIDE

C: COLLECTOR
B: BASE
E: EMITTER

A: ANODE
K: KATHODE



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