

SCHEMATIC DIAGRAM

(Parts list on page 18~21)

(This schematic diagram may be modified at any time with the development of new technology.)

Notes:

- S1 : Power switch in "on" position.
- S2 : Voltage selector switch in "220 V" position for (GC) area only.
- S101 : Input selector switch in "phono" position.
- S102 : Recording output selector switch in "tape 2/ DAT▶1" position.
- S103-2 : Mode selector switch in "stereo" position.
- S103-3 : Loudness switch in "off" position.
- S301 : Tone control switch in "defeat" position.
- S302 : Power amplifier direct switch in "off" position.
- S501-1 : Speaker (A) selector switch in "on" position.
- S501-2 : Speaker (B) selector switch in "off" position.

- > : Positive voltage lines.
- -> : Negative voltage lines.
- ⊘ : Phono Signal (Lch)
- ⊞ : Recording Signal

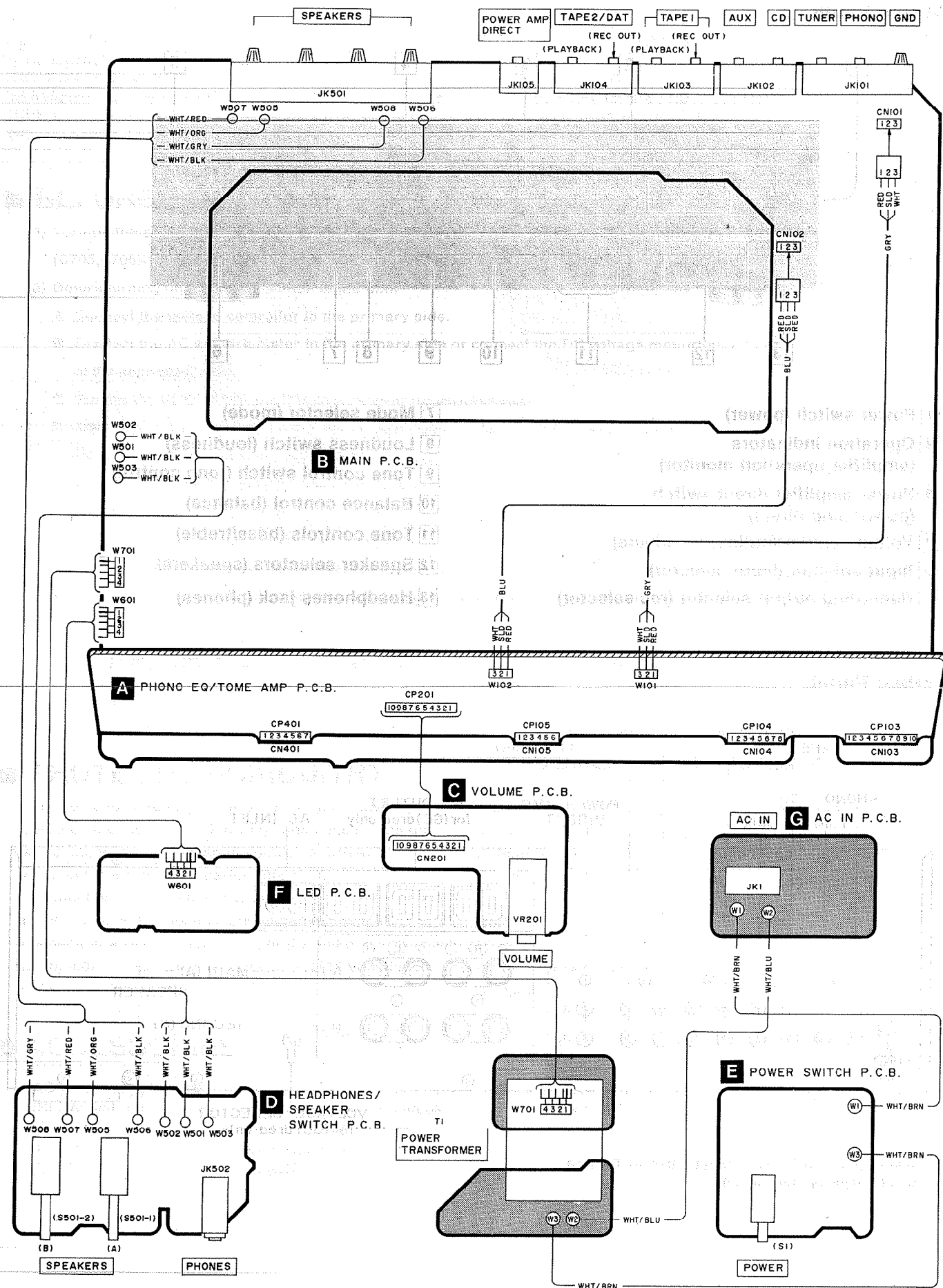
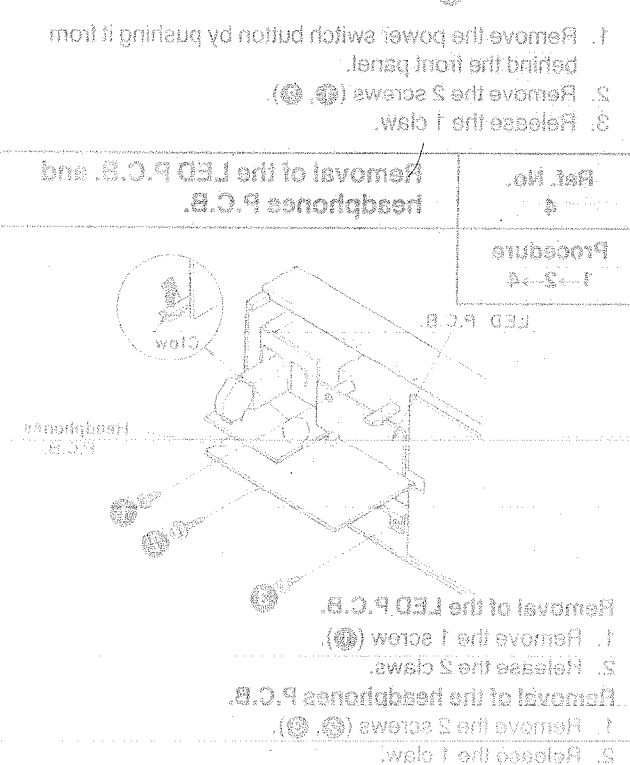
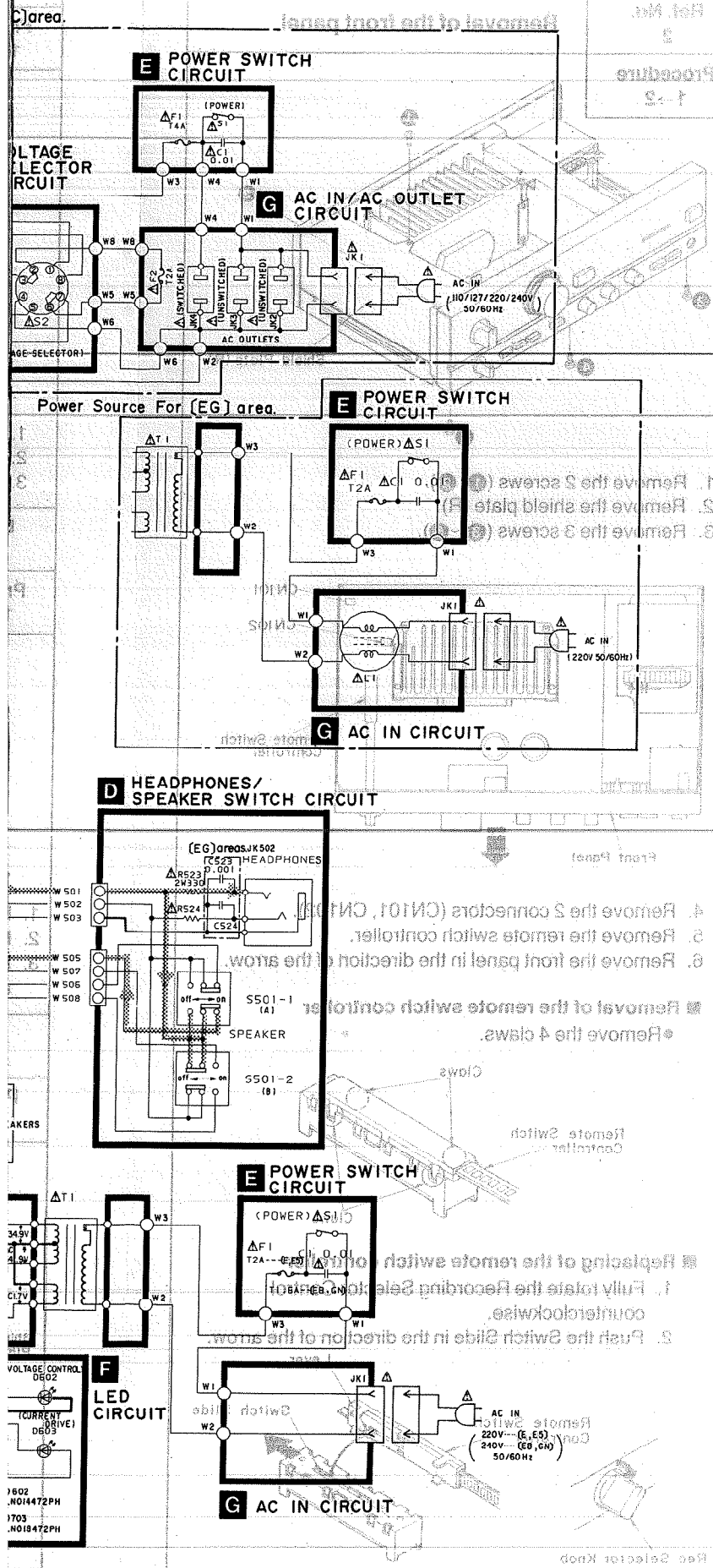
•Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

Important safety notice:

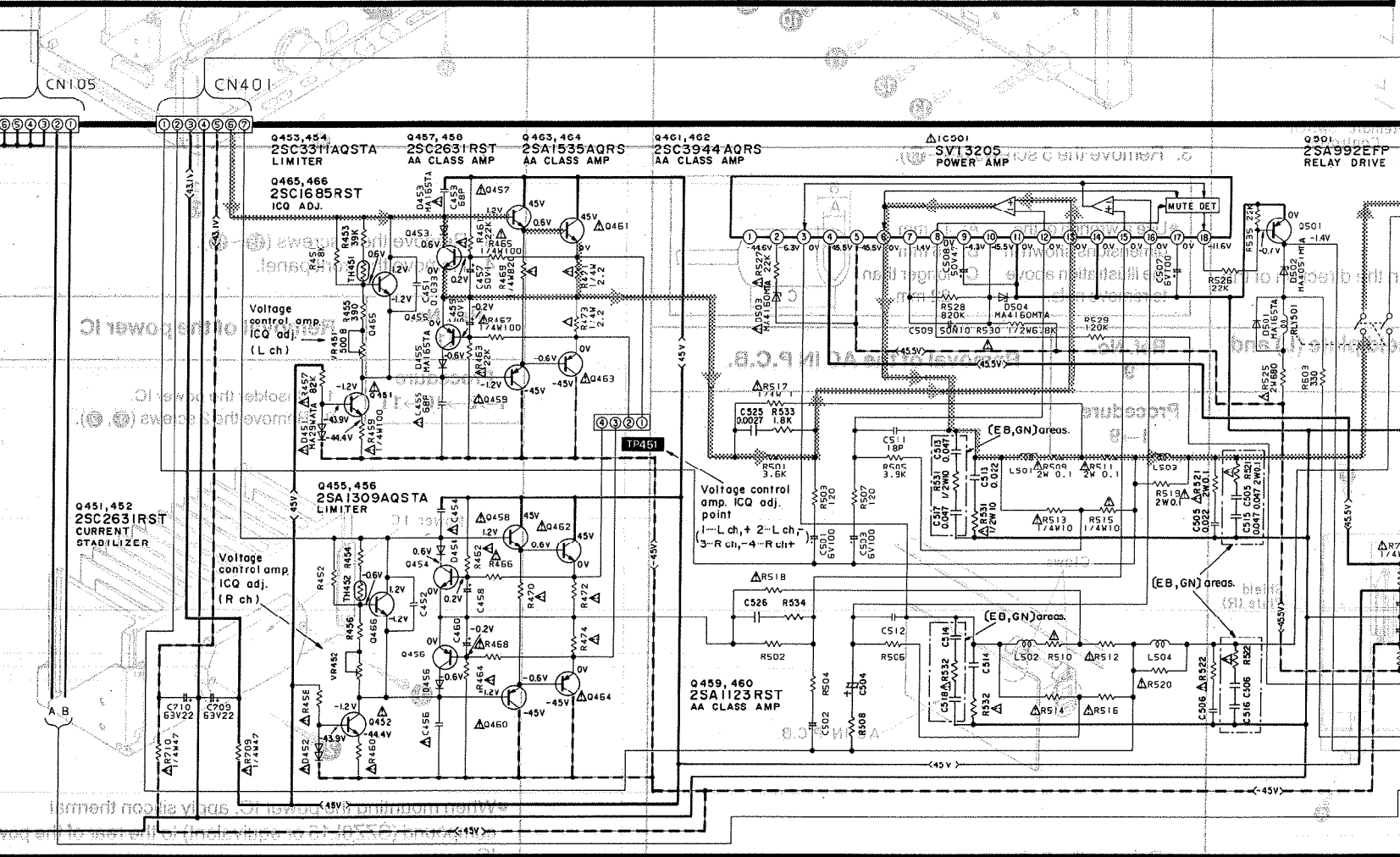
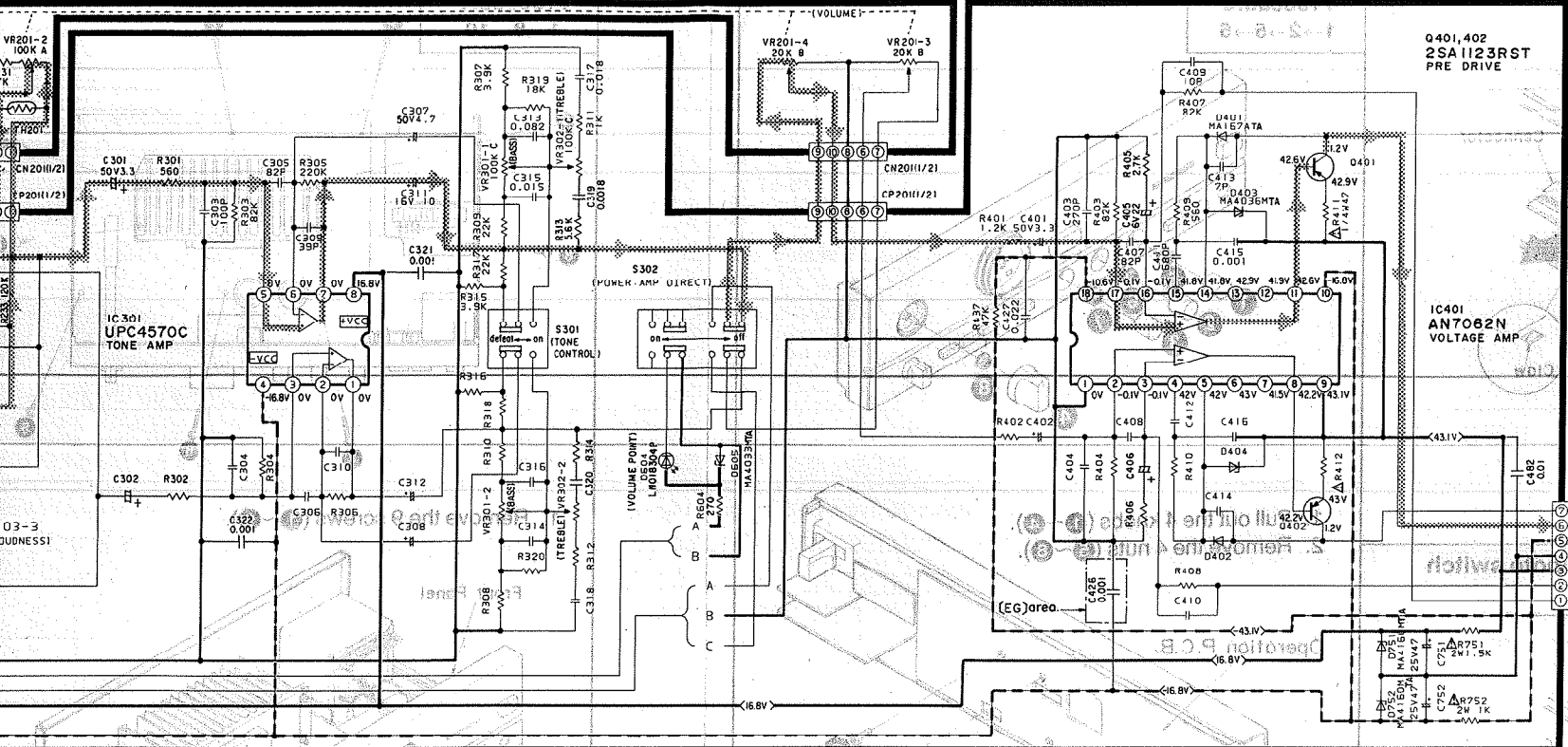
Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

***Caution!**

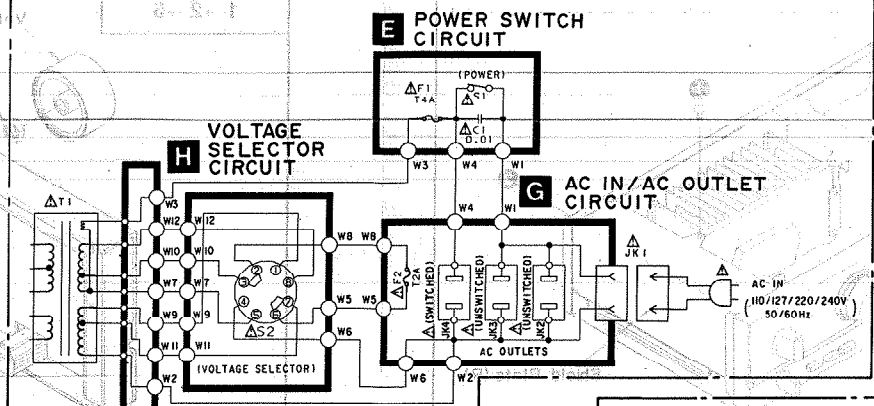
- IC and LSI are sensitive to static electricity. Secondary trouble can be prevented by taking care during repair.
- *Cover the parts boxes made of plastics with aluminum foil.
- *Ground the soldering iron.
- *Put a conductive mat on the work table.
- *Do not touch the legs of IC or LSI with the fingers directly.



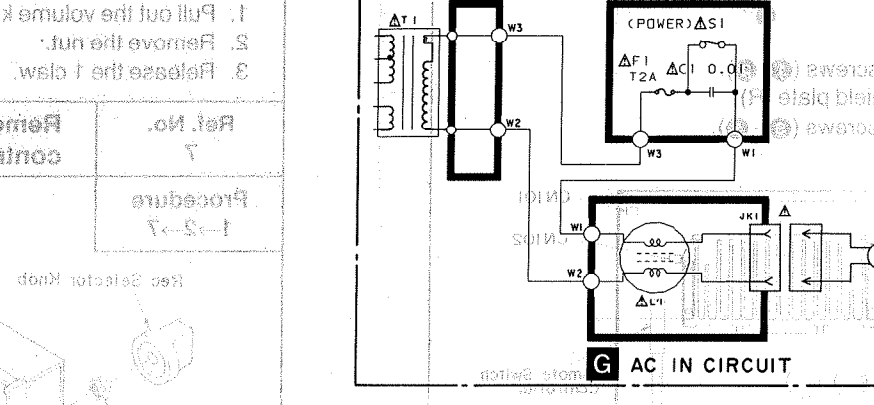
E CIRCUIT



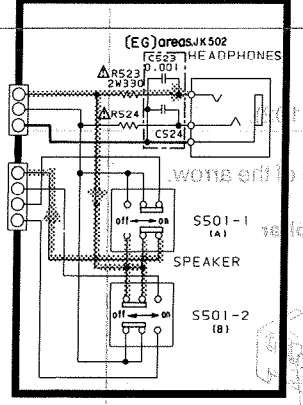
Power Source For (GC) area.



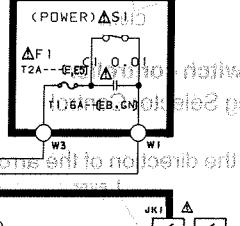
Power Source For (EG) area.



D HEADPHONES/SPEAKER SWITCH CIRCUIT



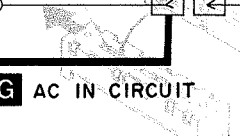
E POWER SWITCH CIRCUIT



F LED CIRCUIT



G AC IN CIRCUIT



SCHEMATA (Parts list on page 16)

(This schematic diagram shows the development of new test equipment.)

- Notes:
- S1 : Power switch
 - S2 : Voltage selector for (GC) area
 - S101 : Input selector
 - S102 : Recording selector
 - S103-2 : Mode selector
 - S103-3 : Loudness selector
 - S301 : Tone control
 - S302 : Power amp selector
 - S501-1 : Speaker (A)
 - S501-2 : Speaker (B)
- Legend:
- : Positive voltage
 - - - : Negative voltage
 - ⊕ : Phono Signal
 - ⊗ : Recording Signal

Indicated voltage values are measured by the DC voltmeter at the chassis taken as the reference point. Errors in the voltage values are within the tolerance of the DC circuit tester.

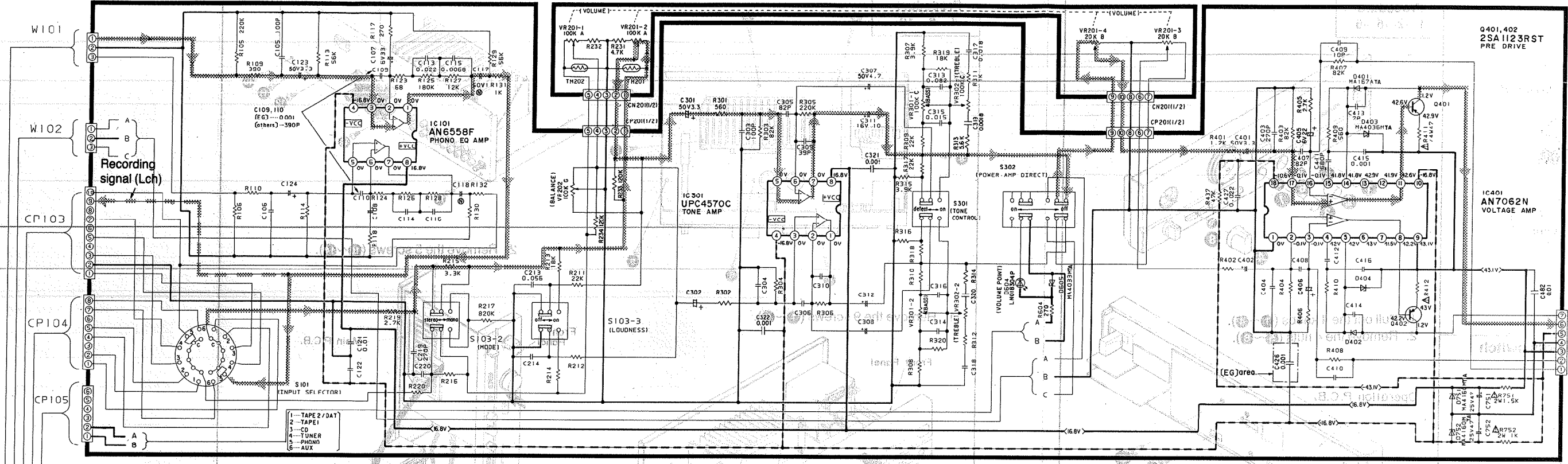
Important safety notices: Components identified by an asterisk are important for safety. Work only according to the manufacturer's specifications.

***Caution!** IC and LSI are sensitive components. Secondary trouble can occur if the following precautions are not taken:

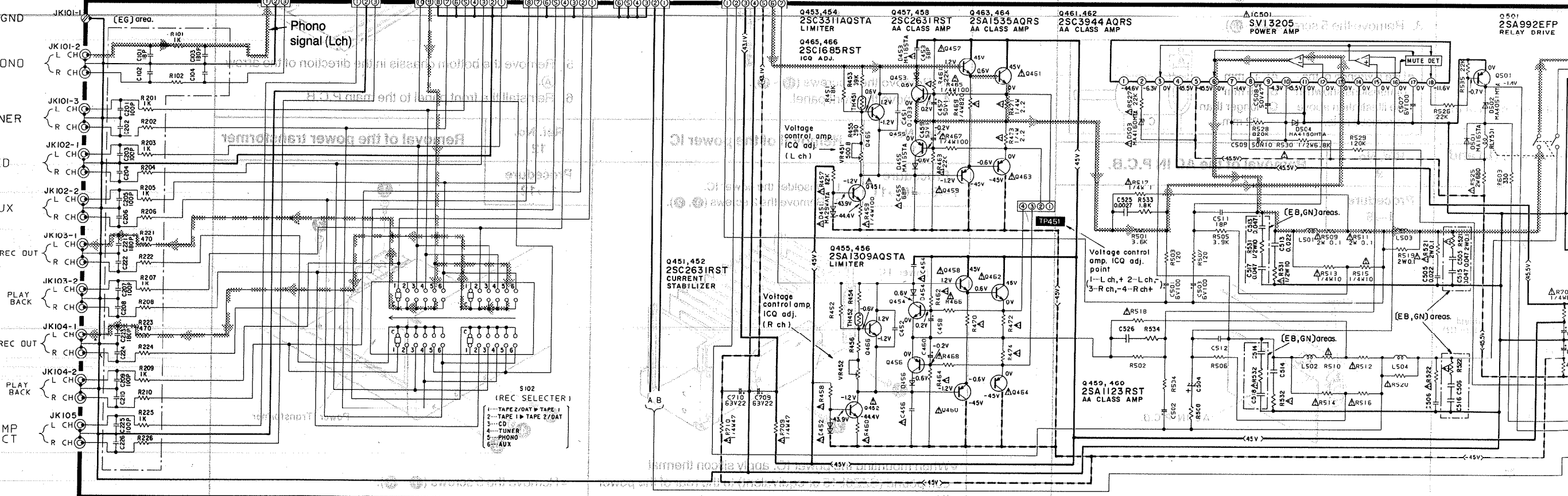
- *Cover the parts boxes with a protective cap.
- *Ground the soldering iron.
- *Put a conductive mat on the work surface.
- *Do not touch the legs of the components.

A PHONO EQ/TONE AMP CIRCUIT

C VOLUME CIRCUIT

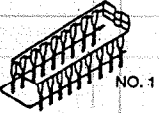
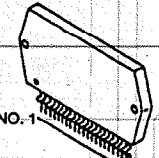
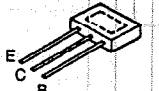
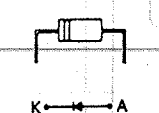
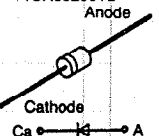


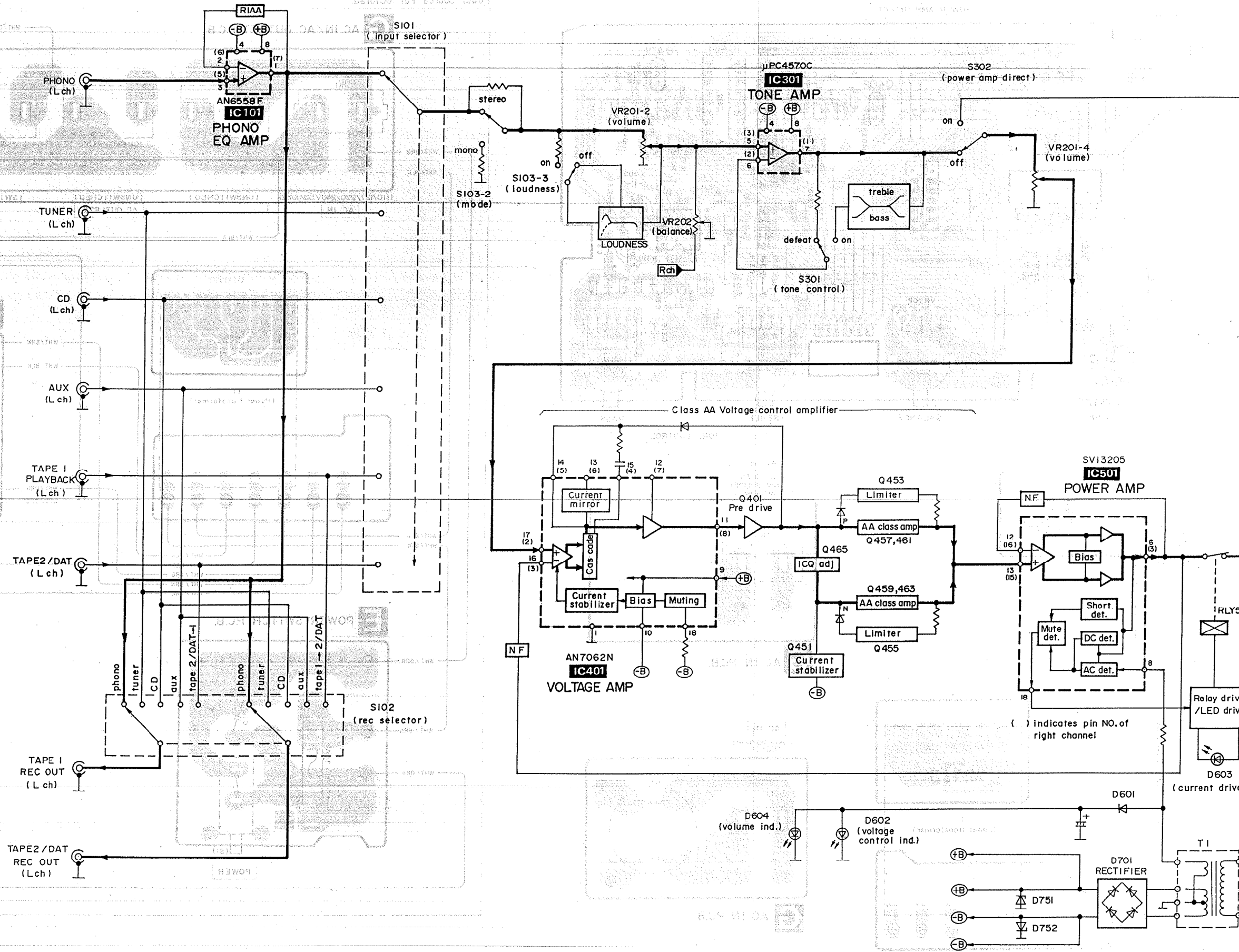
B MAIN CIRCUIT



TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES

BLOCK DIAGRAM

	AN6558F 8 pin
	UPC4570C 8 pin
	AN7062N 18 pin
	SVI3205 18 pin
	2SA1123, 2SC1685
	2SC2631, 2SA992
	2SC3311, 2SA1309
	2SC3944, 2SA1535
	P300DLF
	MA4160M, MA4033
	MA4036, MA4180
	MA4051M
	MA167, MA165
	MA29WA
	1SR35200TB



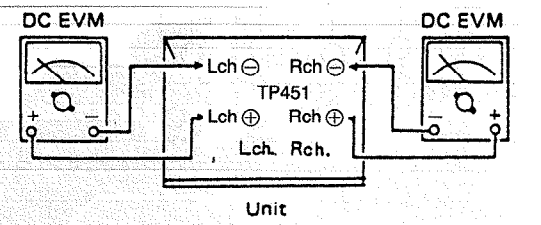
MEASUREMENTS AND ADJUSTMENTS

Control positions and equipment used.

- Volume knob ∞ (Minimum)
- Main speaker selector off
- Balance knob 0
- DC electronic voltmeter (EVM)

VOLTAGE CONTROL (V) AMP. IDLING (ICQ) ADJUSTMENT

1. Test equipment connection is shown in figure. (Connect the DC EVM on both channels.)
2. Completely turn the (V) amp. adjusting volumes (VR451, VR452) counter-clockwise.
3. Turn ON the set when it is cold, and 15 sec. later, adjust VR451 and VR452 so that the voltage is 25 mV. Also, check that the voltage is 25~30 mV (standard: 28 mV) after lapse of 10~15 minutes. (Below 30 mV after lapse of 60 min.)



Adjustment points Voltage control Amp.

