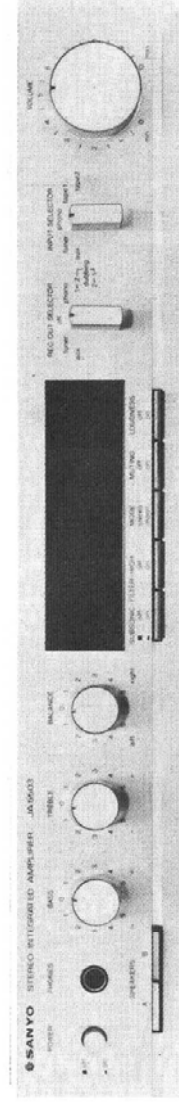


SERVICE MANUAL



STEREO AMPLIFIER

JA 5503
(EUROPE)



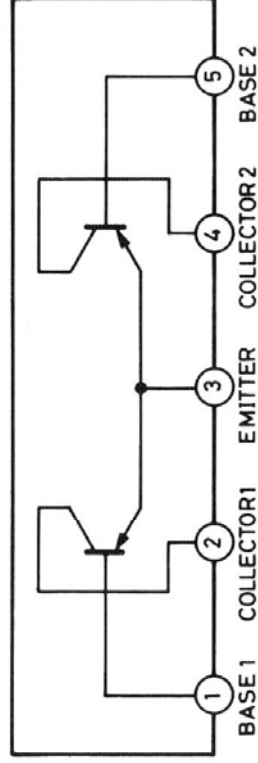
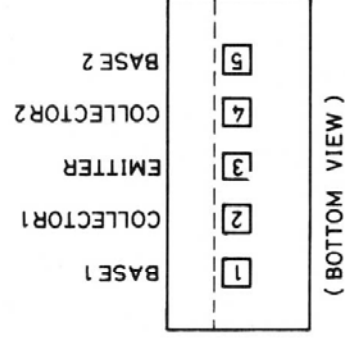
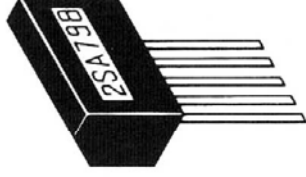
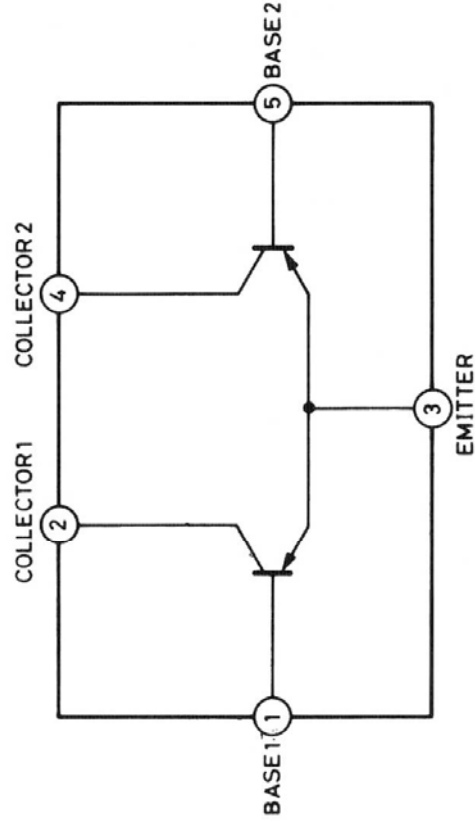
NOTE:

The below mentioned specifications are mainly based on the IHF measurements standard. They can therefore not directly be compared with specifications based on the DIN standard or other standards.

SPECIFICATIONS

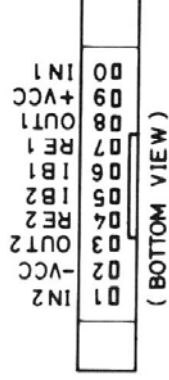
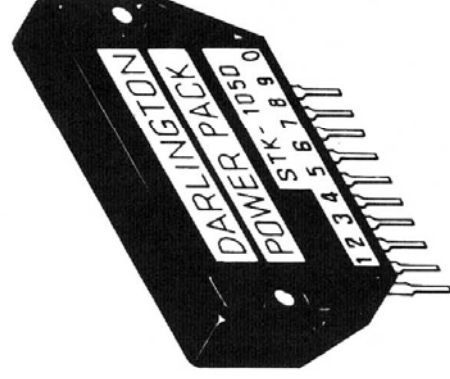
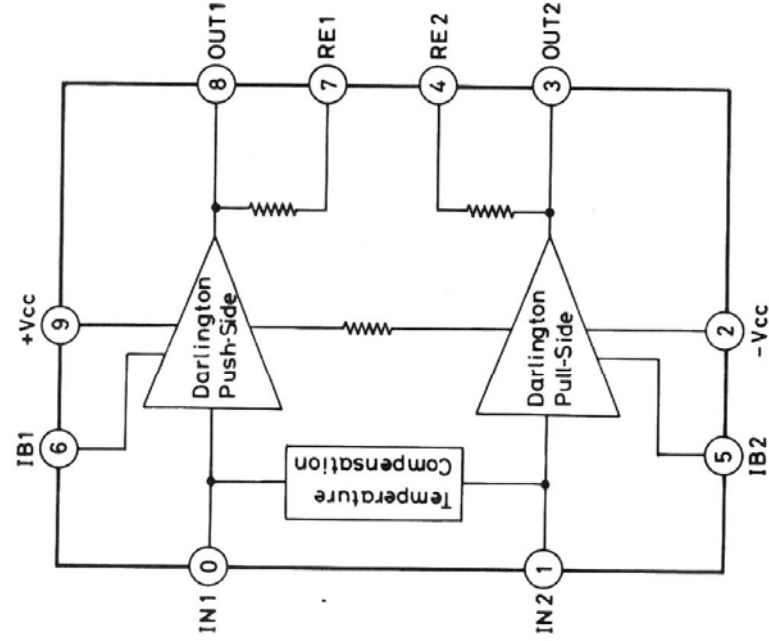
Continuous power	50 watts x 2 (at 8 ohms) (0.1% distortion)
Total harmonic distortion	0.1% (50 W output, 8 ohms)
Input sensitivity and impedance	
PHONO	2.5 mV/47 kohms
AUX/TUNER/TAPE PLAY	150 mV/47 kohms
Phono overload level	120 mV RMS (at 1 kHz)
Output level and impedance	
TAPE REC/DIN	0.55 mV/kohm, 270 kohms
Frequency response	10 Hz — 40 kHz (AUX)
Tone control response	
BASS	±8 dB (at 100 Hz)
TREBLE	±8 dB (at 10 kHz)
Subsonic filter response	30 Hz (—6 dB/oct.)
High filter response	8 kHz (—6 dB/oct.)
Loudness control response (Vol. —30 dB)	
at 100 Hz	+8 dB
at 10 kHz	+4 dB
Signal to noise ratio	70 dB
Power requirements	AC: 220 V, 50 Hz
Power consumption	230 W
Dimensions	Approx. 440 (W) x 265 (D) x 66 (H) mm (17-3/8" x 10-7/16" x 2-5/8")
Weight	Approx. 6.2 kg (13 lbs. 11 ozs.)

2SA798 (DUAL TRANSISTOR)

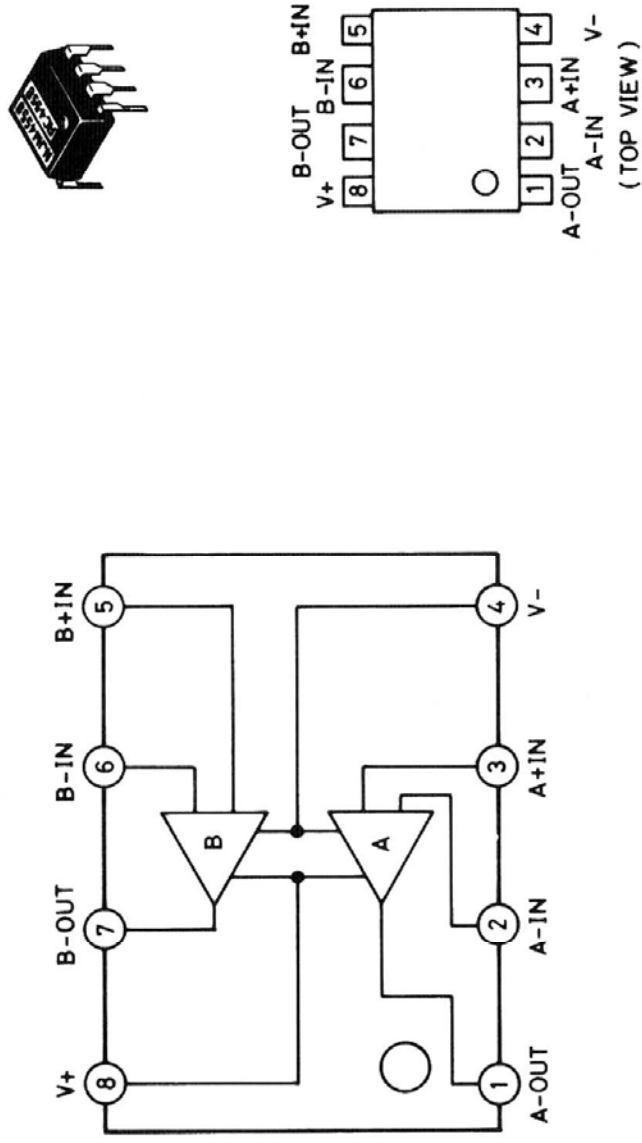


STK-1050 (Darlington Push-Pull AF Power Amplifier-Emitter resistor installed)

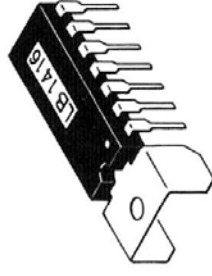
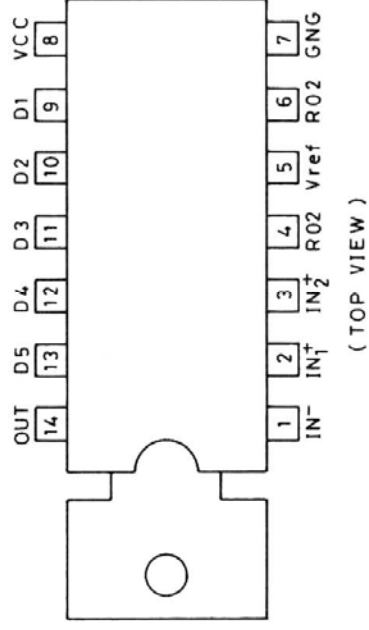
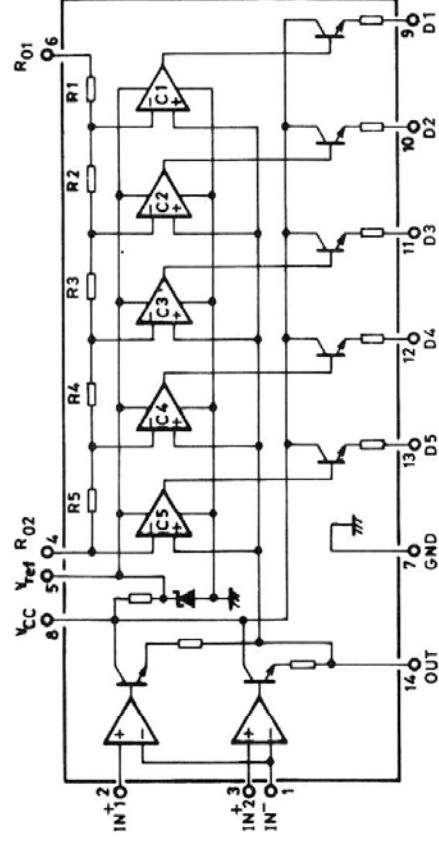
SCHEMATIC DIAGRAM



NJM4558. RC4558
(DUAL HIGH-PERFORMANCE OPERATIONAL AMPLIFIERS)



LB 1416 (5 DIGIT LEVEL METER → LED)



ADJUSTMENT OF PEAK POWER LEVEL METER (LED)

1. Connect wires as shown in the diagram.

2. Set the unit as follows.

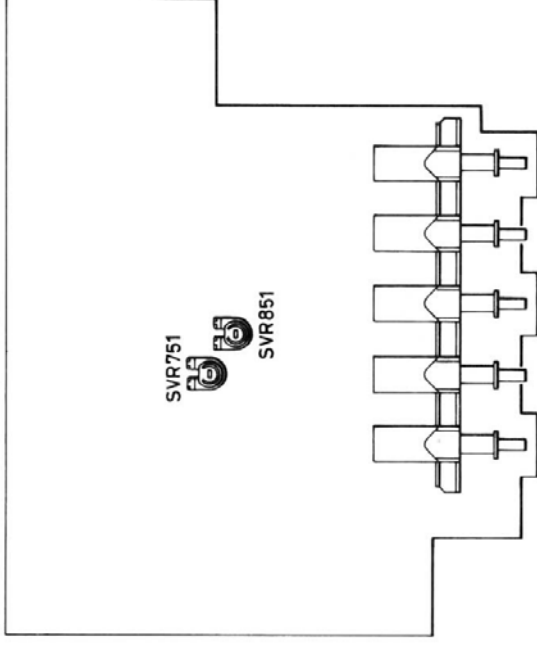
Speaker SW — SP.A position Bass control — Center
Input select — AUX position Treble control — Center
SW

Other switches—OFF position Balance control—Center
(Note) The record output select switch may be set at an arbitrary position.

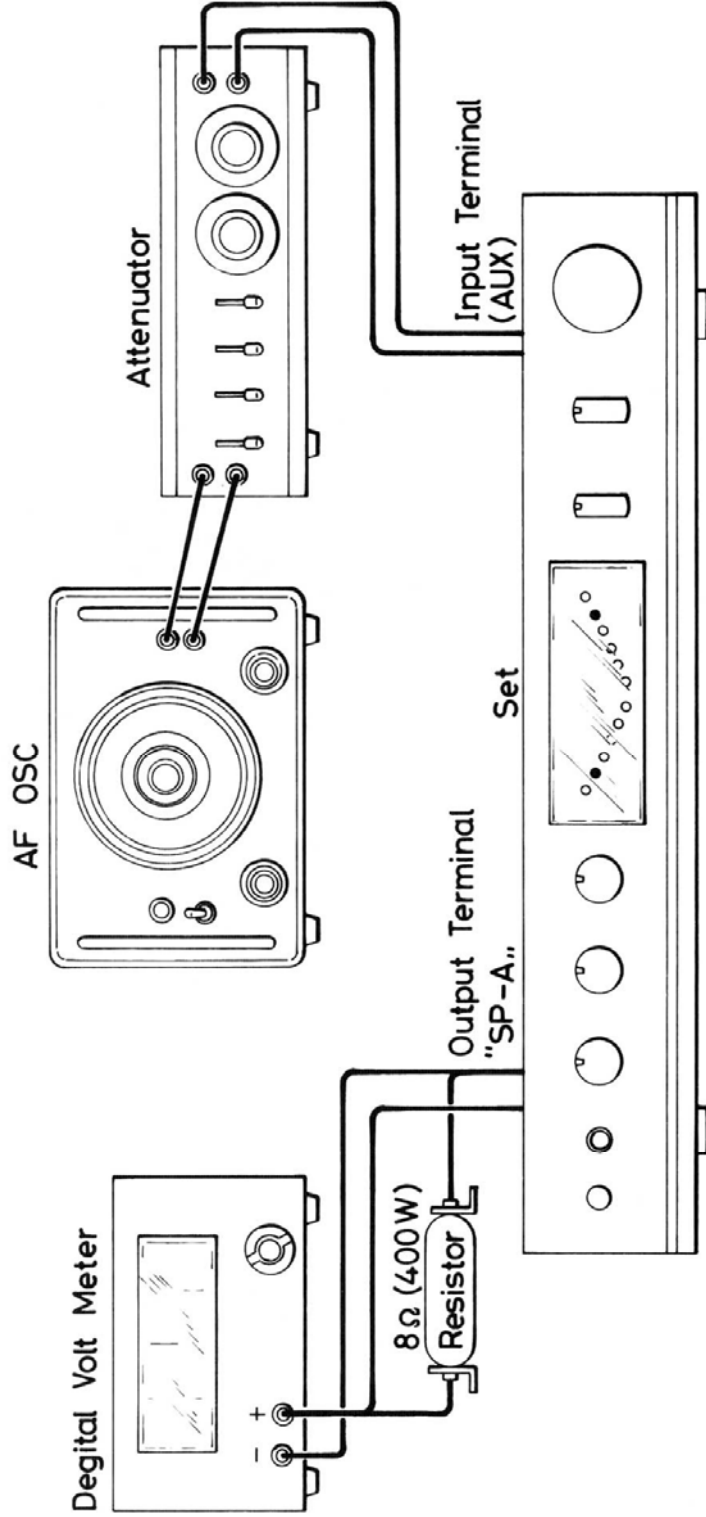
3. Feed an input signal of about 1 kHz, 150 mV from AF oscillator.

4. Turn on the power switch of the unit, and turn the volume control knob until the digital voltmeter reads 8.94 volts (output 10W).

5. Turn SVR751 (left channel) and SVR851 until the LED indicating the 10W position lights up dimly.



Peak Power Level Meter (LED) Adjustment



DISASSEMBLY

Pull off power cord from wall outlet.

1. Dismounting the cabinet

Remove 4 screws "a" (binding head screws 4 x 8 mm) and 1 screw "b" (binding head tapping screw 3 x 8 mm) that are securing the cabinet.

Slightly opening the lower part of the cabinet, lift it off, then the cabinet can be dismounted.

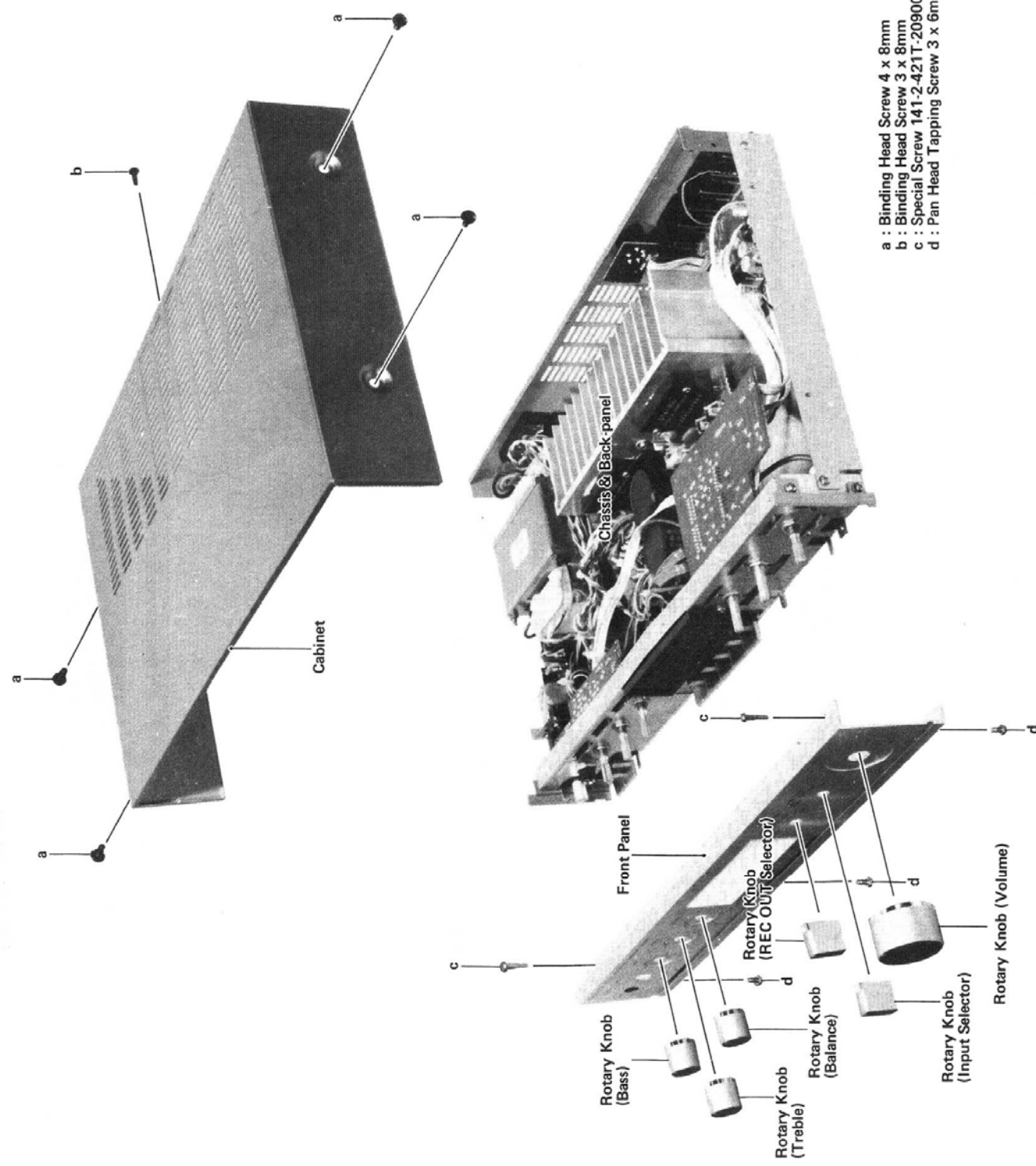
2. Dismounting the front panel

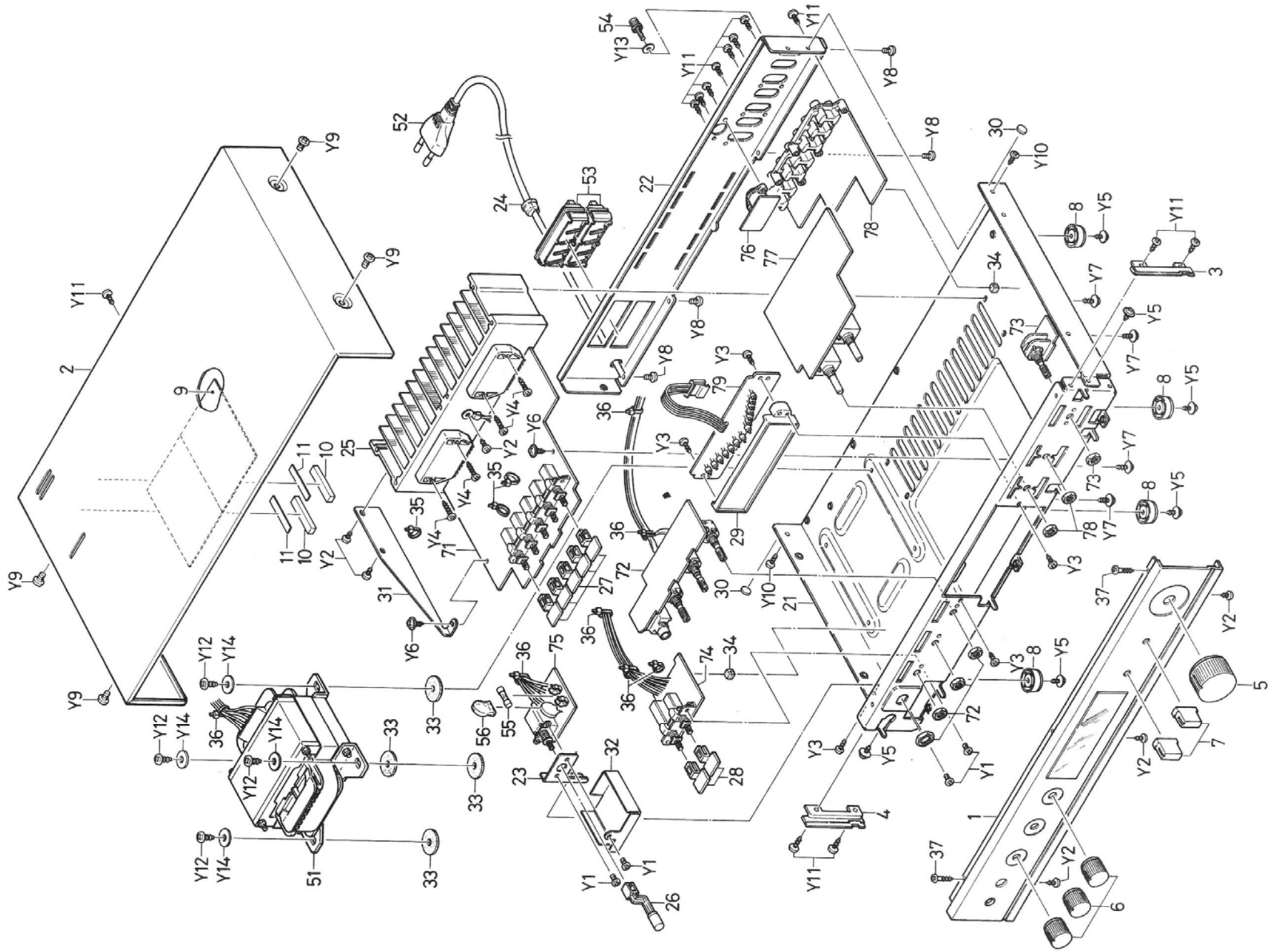
Pull out a rotary knob (volume) and three rotary knobs (bass, treble, balance).

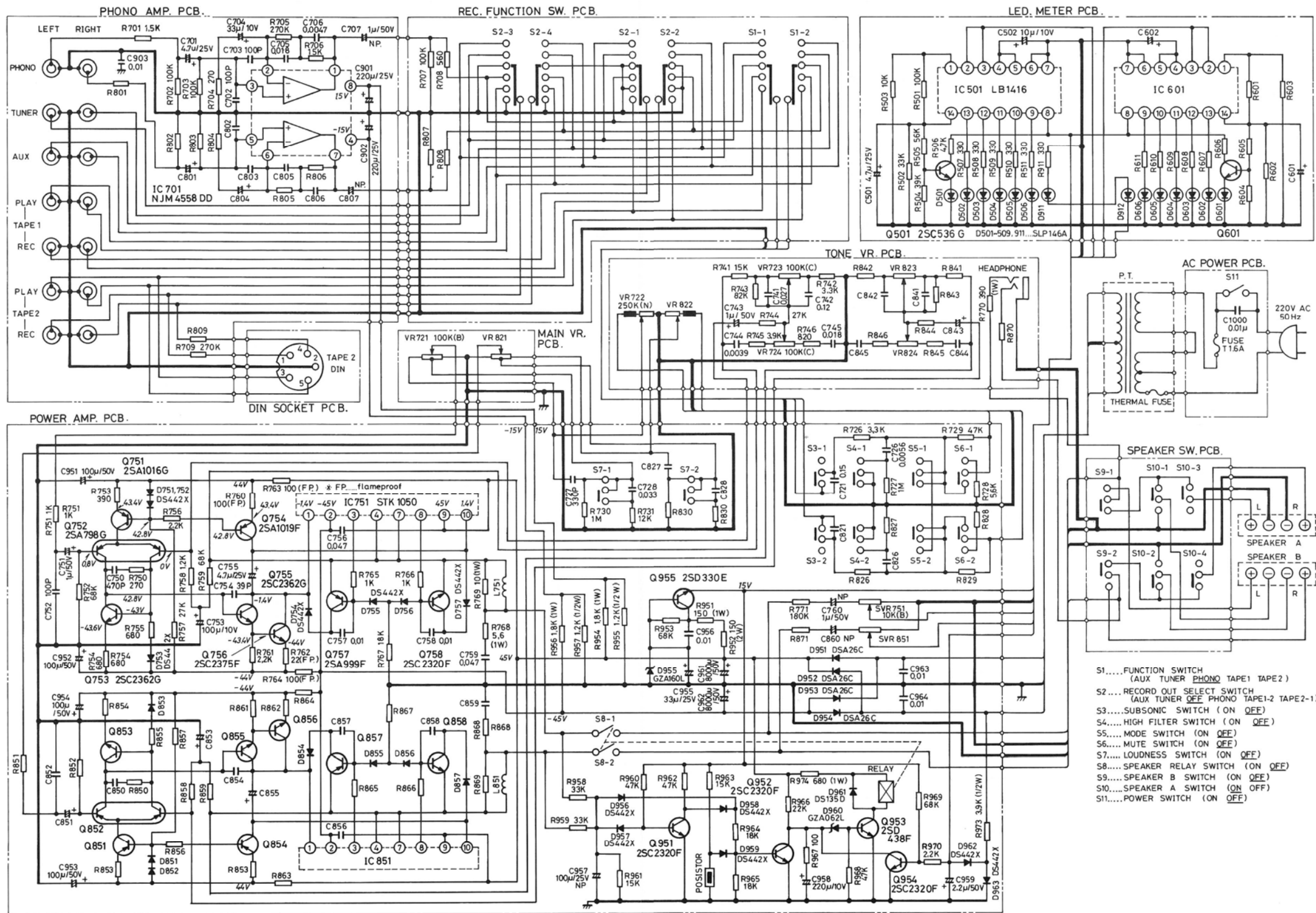
Remove two rotary knobs (REC OUT selector, INPUT selector) by loosening screws (headless screws with hexagon hole) by means of hexagonal wrench.

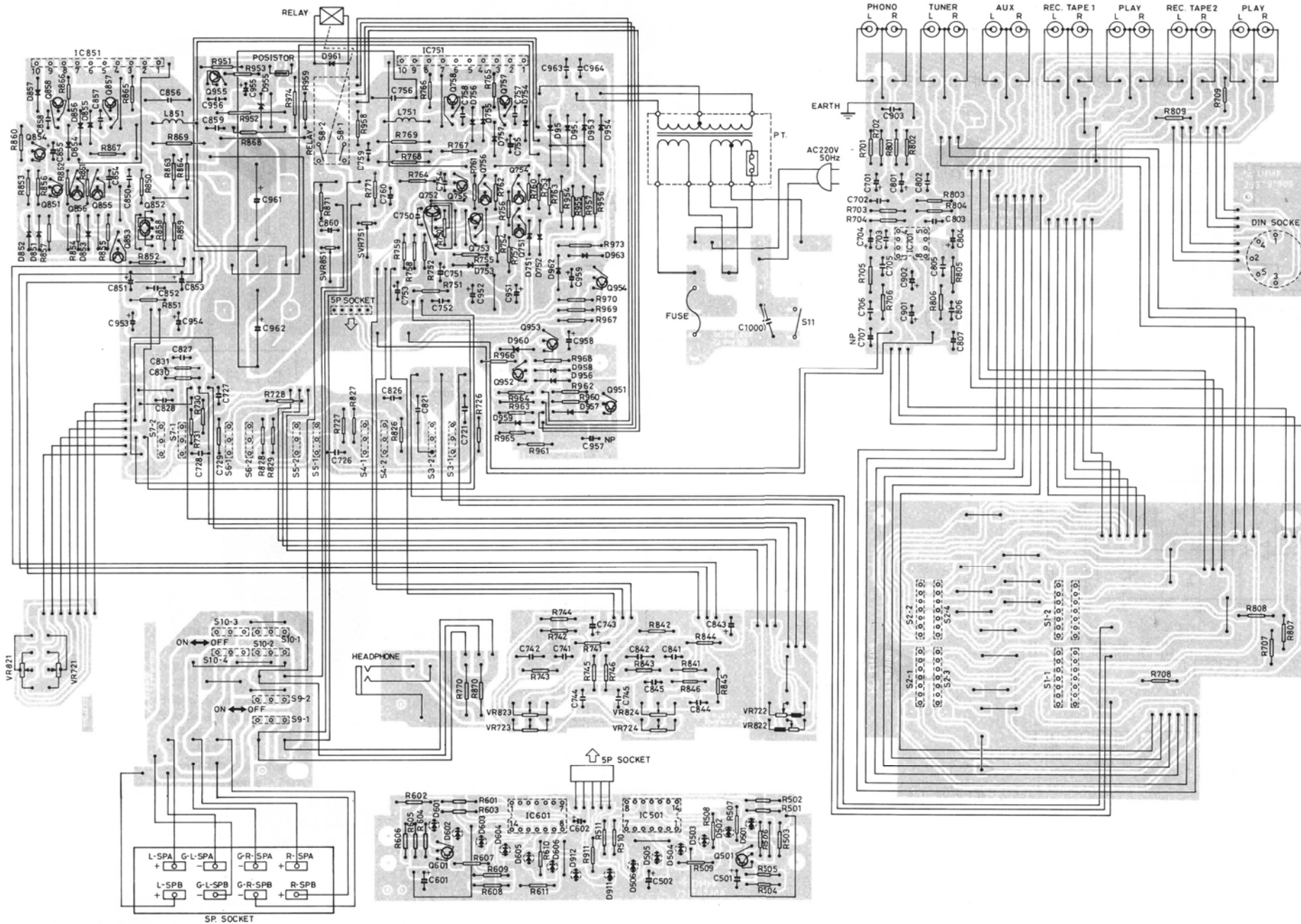
Remove 2 screws "c" (special screws 141-2-421T-20900) in the upper part and 3 screws "d" (pan head tapping screws 3 x 6 mm) in the lower part that are securing the front panel.

Draw out the front panel, then it can be dismounted.









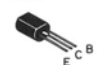
Q501.601 2SC536
 Q753.755.853.855 2SC2362
 Q751.851 2SA1016



Q752.852 2SA798



Q754.854 2SA1019
 Q756.856 2SC2375



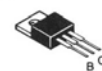
Q757.857 2SA999
 Q758.858 2SC2320
 Q951.952.954 2SC2320



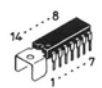
Q953 2SD438



Q955 2SD330



IC501.601 LB1416



IC701 NJM4558 DD



IC751.851 STK1050

