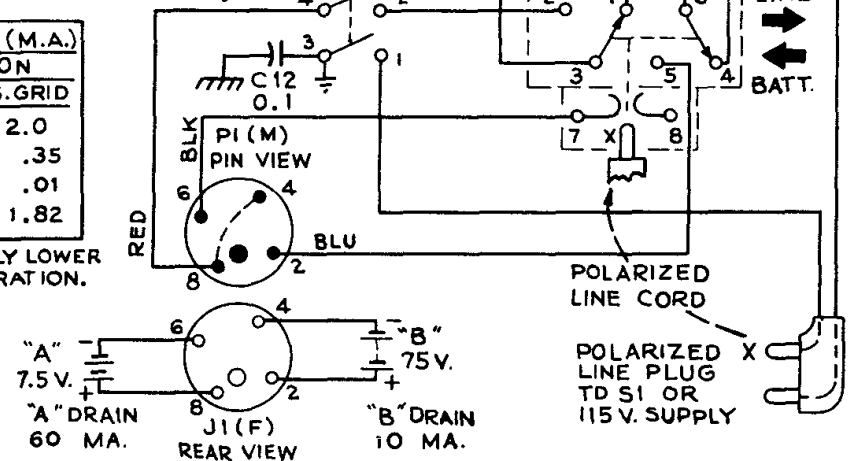
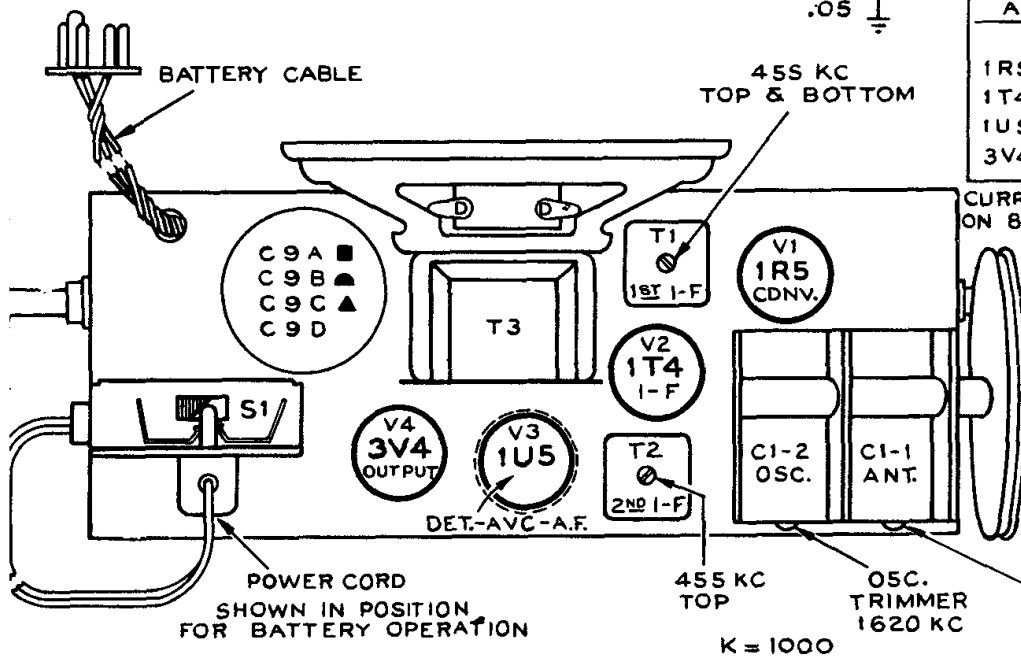
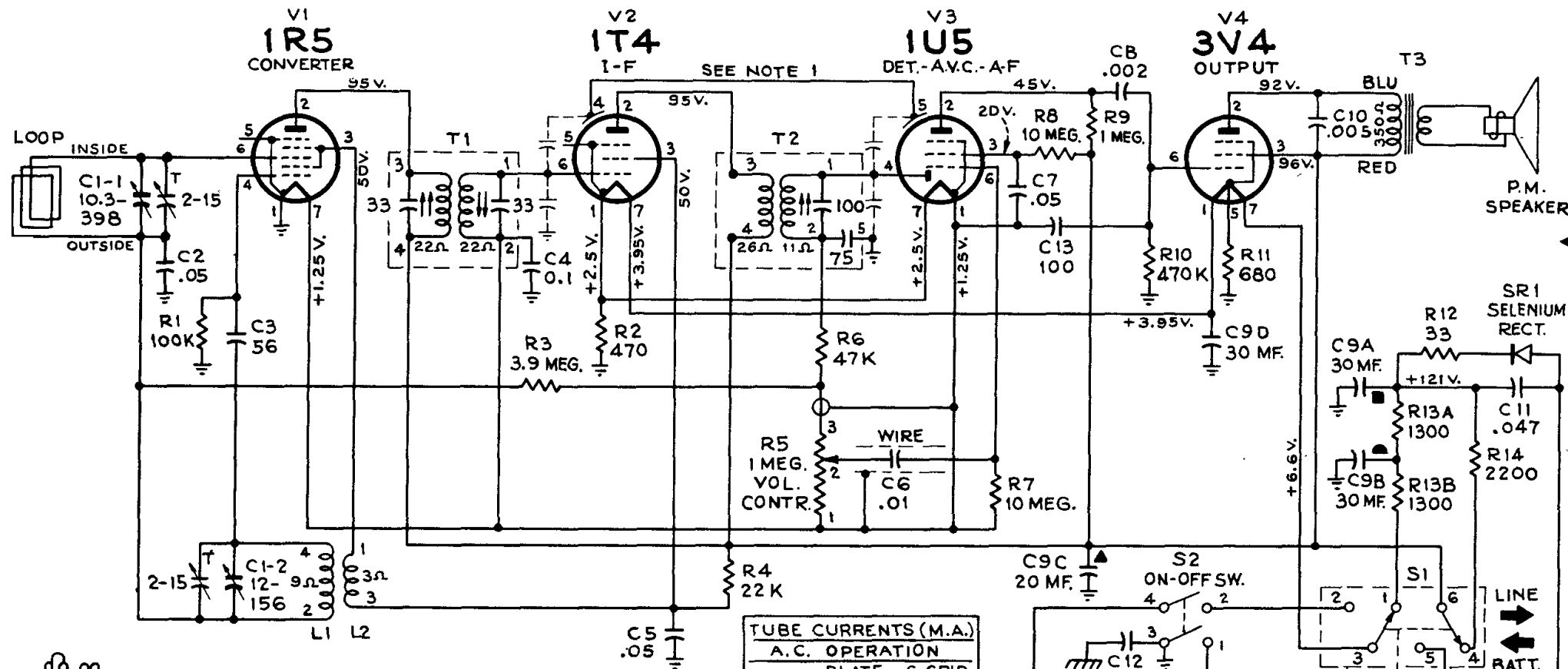


RCA VICTOR Model BX55

Chassis No. RC-1088



ON BATTERY OPERATION "A" VOLTAGES ARE APPROX. 10% HIGHER. "B" VOLTAGES ARE APPROX. 20% LOWER. (SEL. RECT. NOT USED)

NOTE 1 - THE LEAD CONNECTING V2-4 AND V3-5 IS A COUPLING LINK TO PROVIDE CIRCUIT CAPACITY INDICATED BY DOTTED LINES.

INDICATES COMMON WIRING INSULATED FROM CHASSIS

INDICATES CHASSIS GROUND

VOLTAGES MEASURED TO COMMON WIRING WITH "VOLTOHMYST" SHOULD HOLD WITHIN $\pm 20\%$ WITH 115 V.A.C. POWER SUPPLY.

Alignment Procedure

Signal Generator.—For all alignment operations, connect the low side of the signal generator to the receiver chassis and keep the output as low as possible to avoid AVC action.

Battery operation of the receiver is preferable during alignment; on a. c. operation an isolation transformer (117v./117v.) may be necessary for the receiver if the signal generator is also a. c. operated.

Note: Battery must be in place for ant. alignment (step 5).

Dial Pointer Position.—With the tuning condenser fully meshed the center of the dial pointer should be in line with the score mark on the chassis.

Alignment Tabulation

Step	Connect high side of signal generator to—	Signal generator output	Dial pointer setting	Adjust for maximum output—
1	Disconnect loop—remove chassis—remove bottom plate, connect a 10,000 ohm resistor from C1-1 stator terminal to tuning condenser frame.			
2	Grid of 1T4 (pin No. 6) thru .01 mf. capacitor	455 kc	Quiet point near 1600 kc	T2 (top) 2nd. I-F trans.
3	Stator term. of C1-1 thru .01 mf. capacitor			T1 (top & bottom) 1st. I-F trans.
4	Remove the 10,000 ohm resistor. Replace bottom cover and install chassis in cabinet. Re-connect loop.			
5	Short wire placed near receiver (for radiated signal)	1620 kc	Tuning condenser fully open	C1-2 trimmer (osc.)
6		1300 kc	1300 kc signal	†C1-1 trimmer (ant.)

† With back closed. Trimmer is accessible thru hole in back.

NOTE:
The magnetite cores of T2 and T1 may not have visible adjusting screws. The cores have screw driver slots to permit adjustment (use non-metallic screwdriver).

Critical Lead Dress

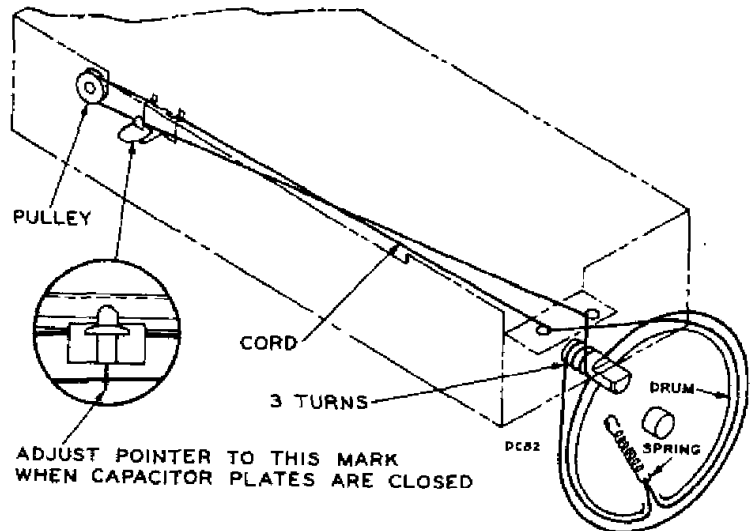
1. Dress antenna loop leads away from adjusting screws on tuning condenser.
2. Dress all capacitors against chassis base.
3. Dress oscillator coil away from chassis and bottom cover.
4. Dress output transformer primary leads against chassis.
5. Dress all leads and components away from selenium rectifier.
6. Dress loop antenna leads into recesses provided in the side of the cabinet. Leave slack at hinged edge of cabinet.

Note: This instrument is designed to be operated with a battery in position inside the cabinet. Reception will be below normal unless the battery is in its normal location.

The position of the battery pack affects the loop inductance. Therefore, when the battery is removed, the loop inductance will change (increase) and the sensitivity will be slightly worse because of improper electrical tracking of the loop circuit with the heterodyne oscillator of the receiver.

CAUTION.—

Do not remove any tubes from the chassis with the set operating and the plug connected to the power line. Damage to tubes may result.



Dial Indicator and Drive Mechanism

