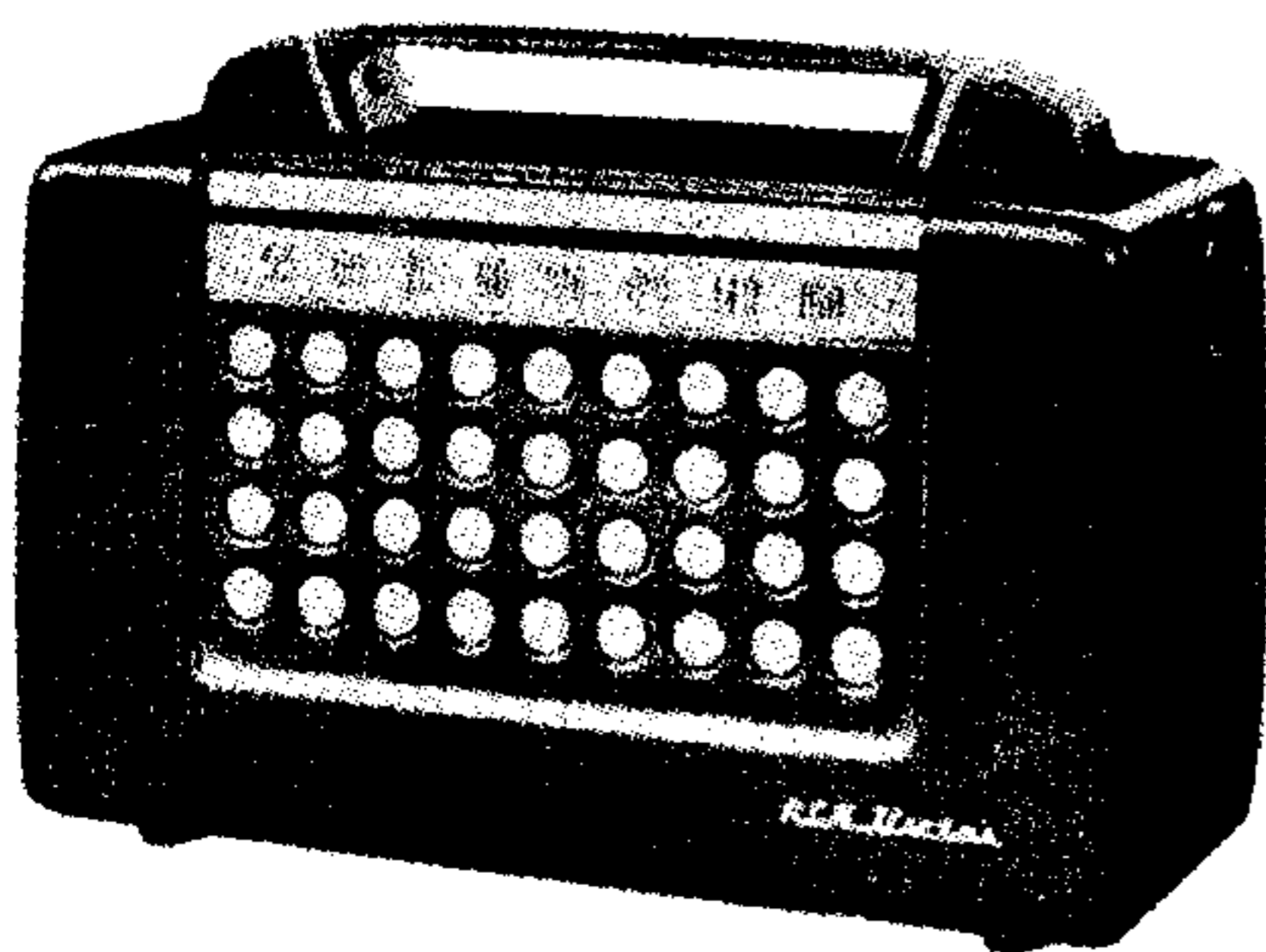


Specifications



Tuning Range 540-1,600 kc
 Intermediate Frequency 455 kc
 Power Supply Rating
 Power Line Operation
 115 volts, d. c. or 50 to 60 cycles a. c. 15 watts
 or
 Battery Operated using RCA VS 057 Battery
 (Average battery life — 100 hrs. intermittent service)
 Battery current "A" 50 ma., "B" 13 ma.
Tube Complement
 (1) RCA 1T4 R.F. Amplifier
 (2) RCA 1R5 Converter
 (3) RCA 1T4 I.F.-Amplifier
 (4) RCA 1U5 Det. — AVC — 1st A.F.
 (5) RCA 3V4 Output

A selenium rectifier is used.

Weight (Approx.)
 Without battery ... 5 lb. 10 oz. With battery ... 9 lb. 6 oz.

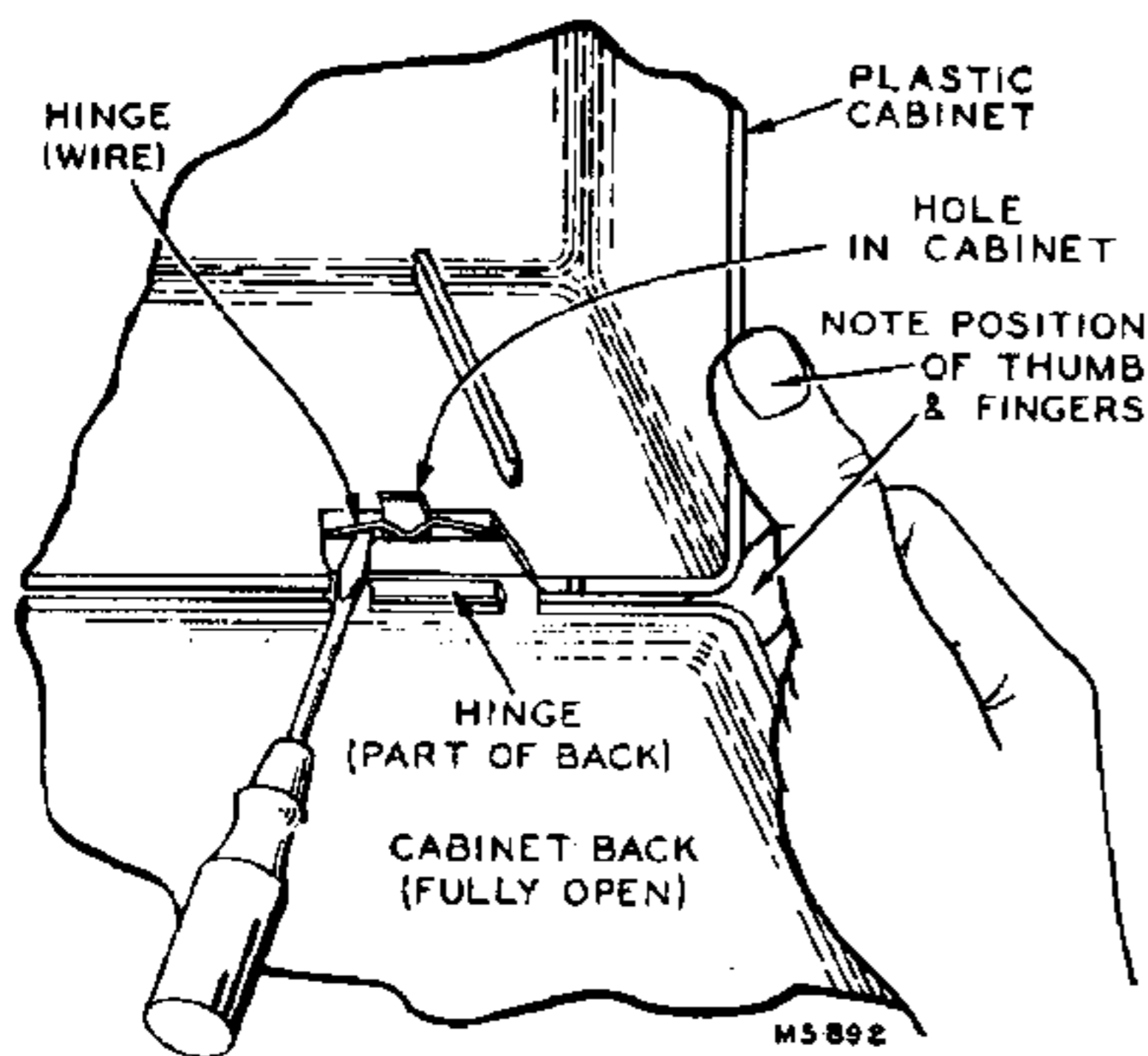
Power Output
 Undistorted 150 watt
 Maximum 325 watt

Loudspeaker 4 in. P.M.
 Voice coil impedance 3.2 ohms at 400 cycles

Cabinet Dimensions
 Height 8 3/8 in. Width 12 3/4 in. Depth 5 1/2 in.

To Remove Hinges

Remove back from cabinet as described at right. Spread the hinge apart to remove it from the cabinet back.



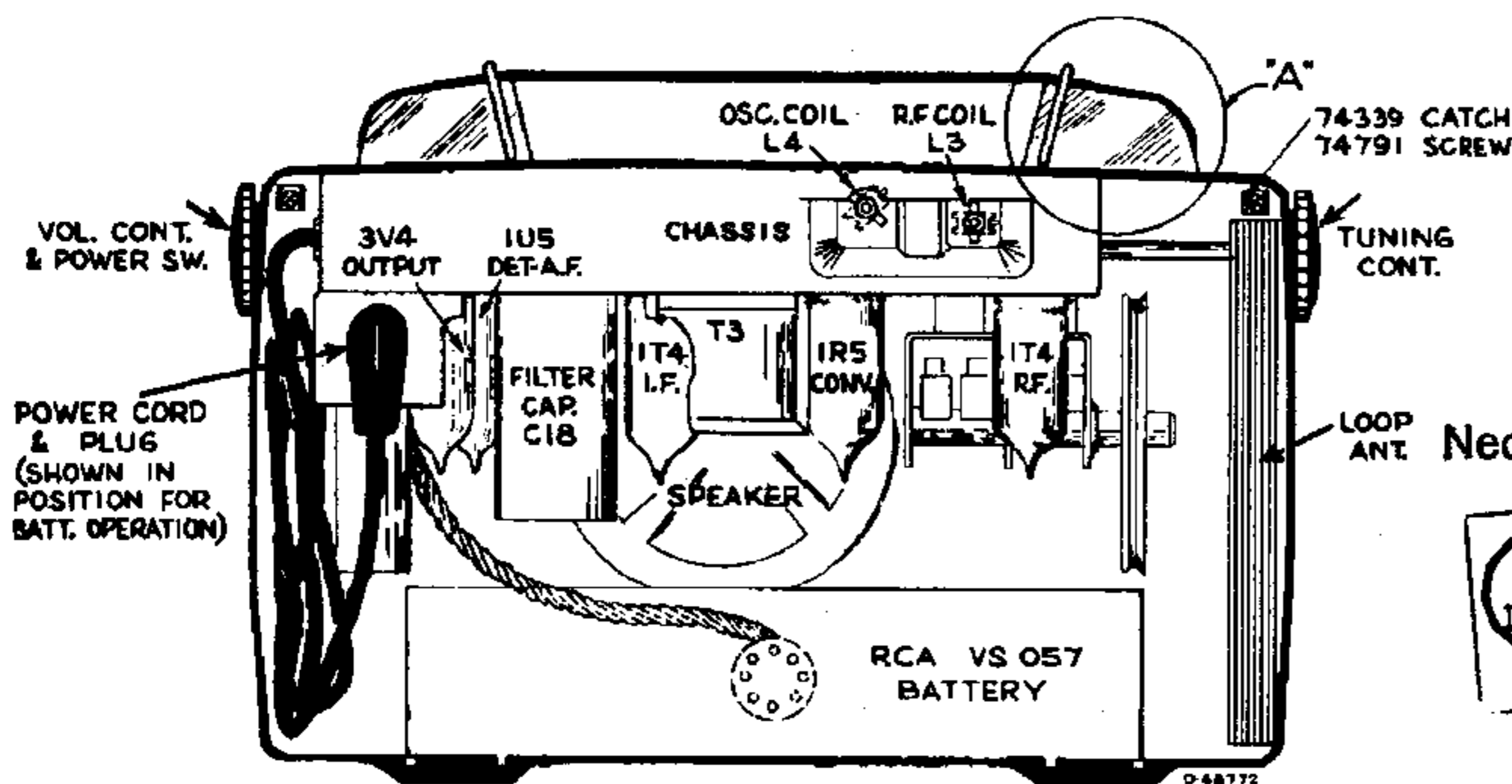
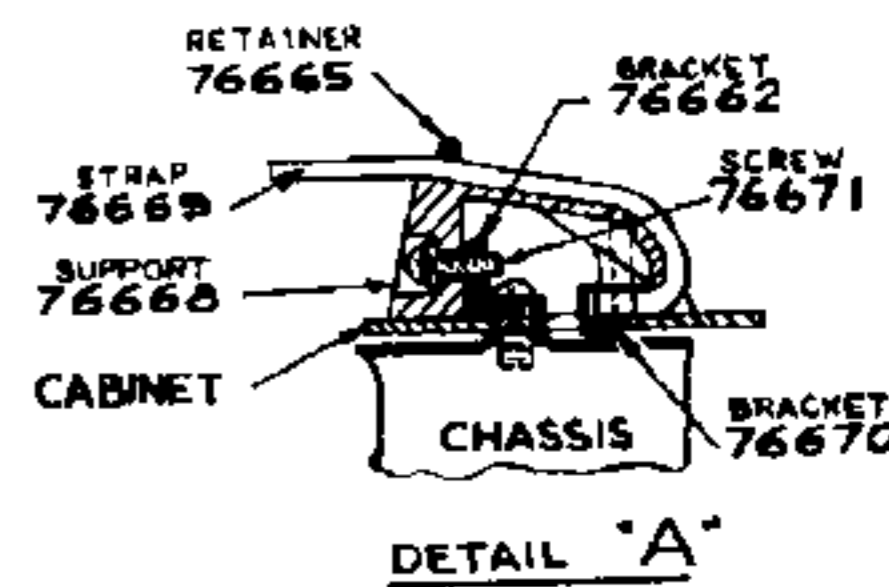
Removal of Cabinet Back

To Remove Chassis:

1. Pull out battery and disconnect battery plug.
2. Unsolder the two loop antenna leads.
3. Remove handle, remove the two large screws (under handle) in the top of the case.

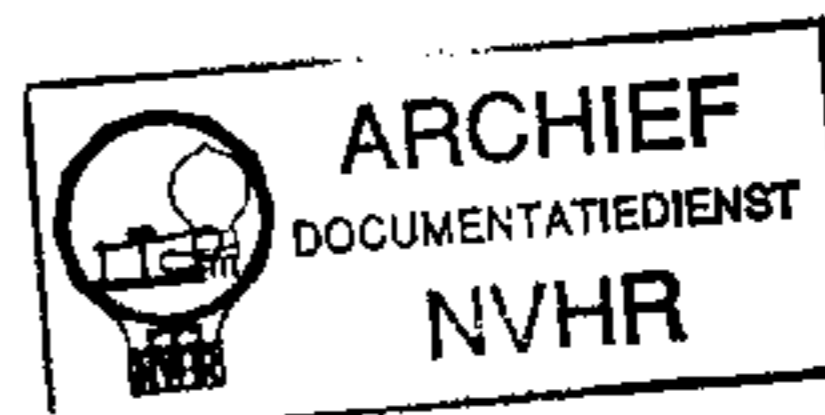
To Remove Cabinet Back

With the back fully open, grip the cabinet as illustrated. Insert a screwdriver under one hinge and pry the center of the hinge out of the opening in the cabinet while maintaining pressure on the back with the fingers and on the cabinet with the thumb. Repeat this procedure with the other hinge. Pull the back straight to the rear using both hands.



Rear View With Back Removed

Ned. Ver. v. Historie v/d Radio



MODEL PX600, Ch. RC-1110

Alignment Procedure

Output Meter Alignment—If this method is used, connect the meter across the voice coil and turn the receiver volume control to maximum.

Test Oscillator—For all alignment operations, connect the low side of the test oscillator to the receiver chassis and keep the oscillator output as low as possible to avoid AVC action.

Battery operation of the receiver is preferable during alignment; on AC operation an isolation transformer (117v./117v.) may be necessary for the receiver if the test oscillator is also AC operated.

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.

Step	Connect High Side of Sig. Gen. to —	Sig. Gen. Output	Dial Pointer Setting	Adjust for Max. Output
1	Disconnect loop—remove chassis—remove bottom plate.			
2	Pin #6 of 1T4 I.F. Amplifier thru .005 mf.	455 kc	Quiet point near 1600 kc	2nd I.F. Trans. T2 Top & Bottom
3	Pin #6 of 1R5 Converter thru .005 mf.			1st I.F. Trans. T1 Top & Bottom
4	Replace bottom cover and install chassis in cabinet. Re-connect loop.			
5	Short wire placed near loop for radiated signal	1620 kc	min. cap.	1600 kc osc. trimmer C1-3T
6		1400 kc	1400 kc Signal	1400 kc r.f. & ant. trimmers*
7		Connect a 22,000 ohm resistor in parallel with r.f. tuning cond. C1-2		
8		600 kc	600 kc Signal	L4 osc. core* while rocking gang
9		Remove the 22,000 ohm resistor from r.f. tuning cond. C1-2.		
10		600 kc	600 kc Signal	L3 r.f. core
11	Repeat Steps 5, 6, 7, 8, 9 and 10.			

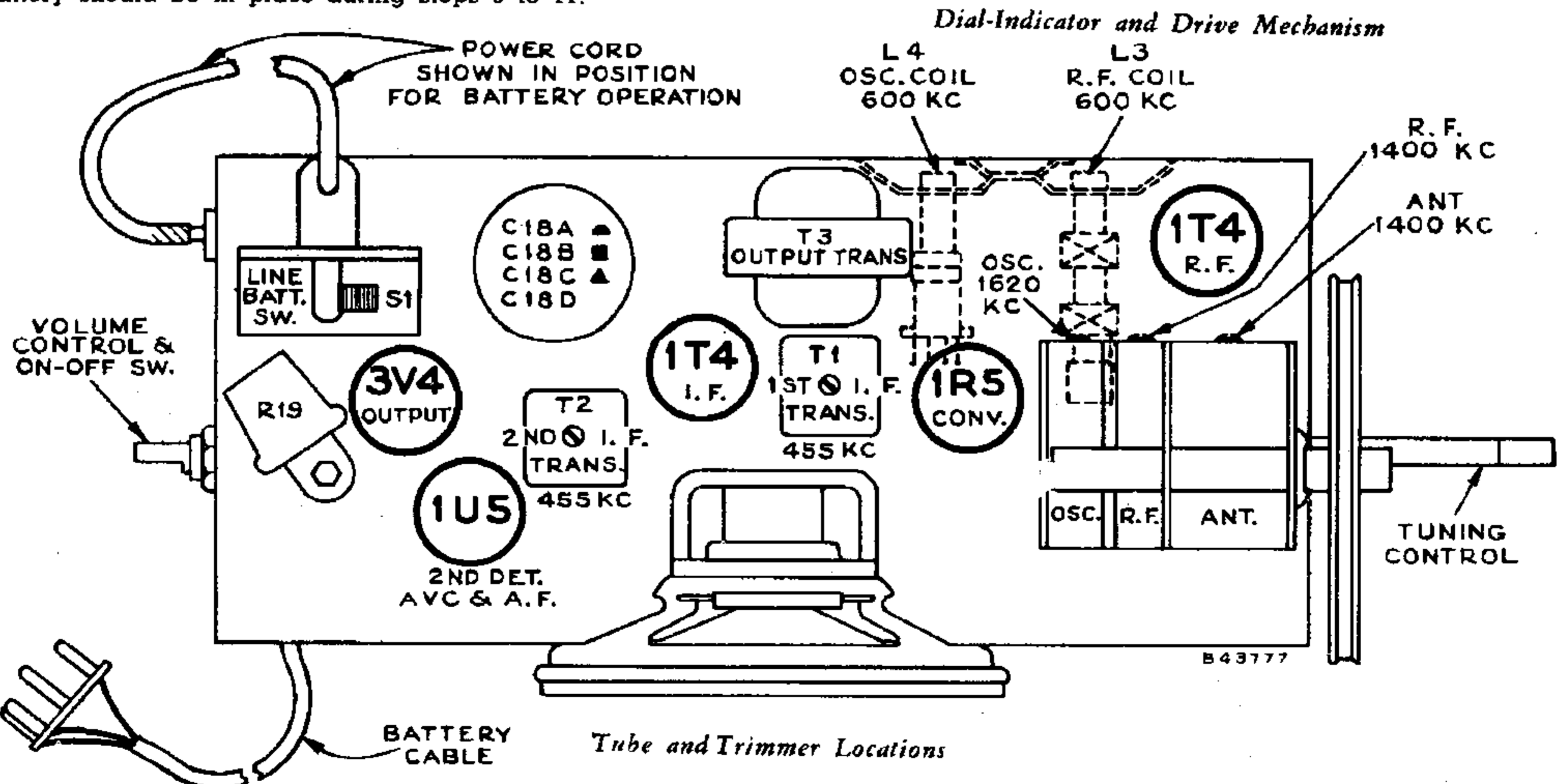
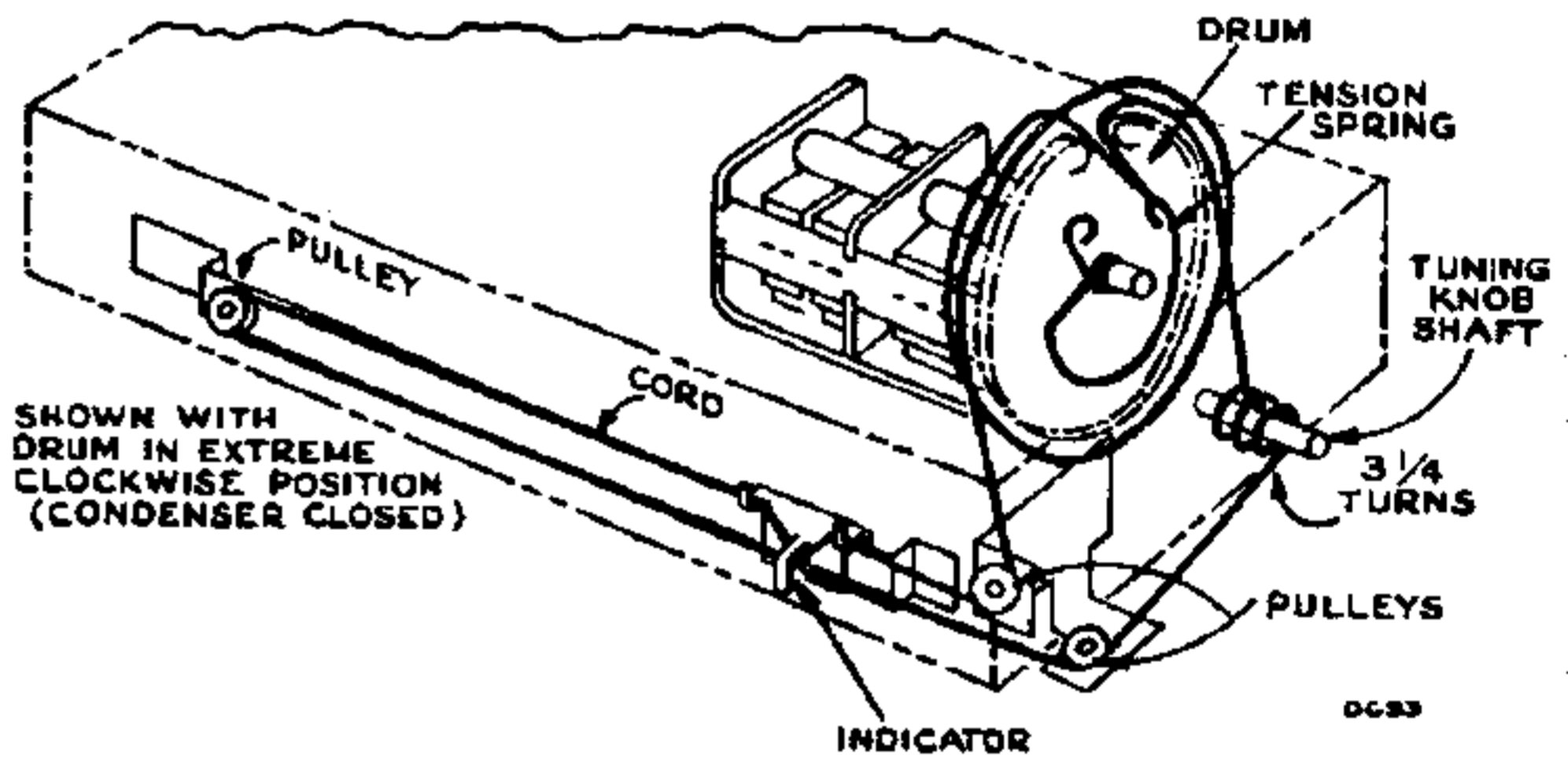
* The position of the battery affects loop inductance. The battery should be in place during steps 5 to 11.

Critical Lead Dress

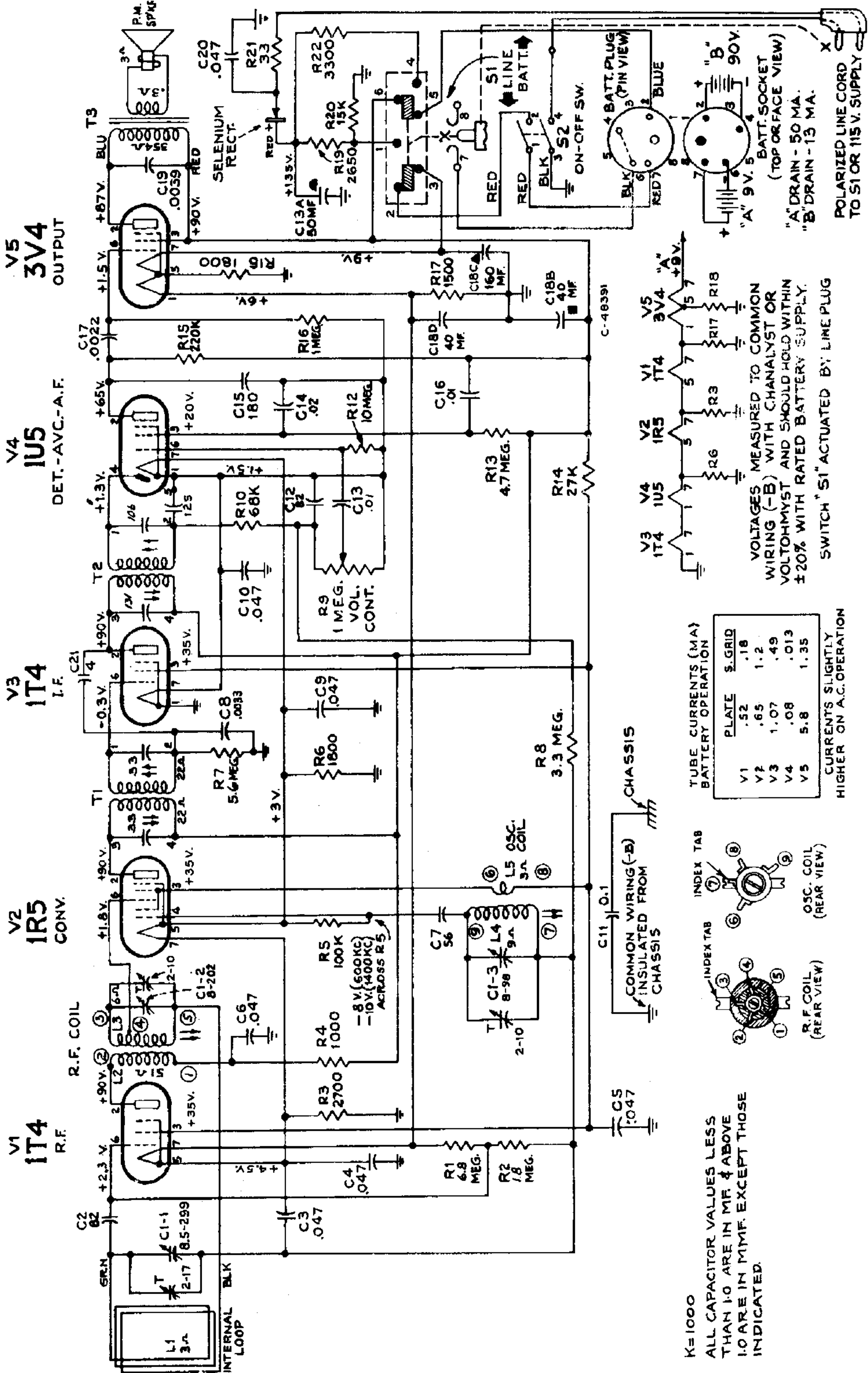
1. Dress all filament leads next to chassis.
2. Keep the leads short on the end of the three components (R1, R2, C2), which connect to the grid terminal (#6) of the r.f. socket.
3. Dress tuning condenser leads direct and avoid excess lead length.
4. Dress loop leads away from tuning drum and battery.
5. Dress r.f. plate lead against chassis base.
6. Dress a.v.c. lead against chassis base.
7. Dress +B lead to output transformer against chassis base.
8. Dress 1st a.f. plate resistor (R15) up and away from other wiring.
9. Dress all leads away from the ballast resistor. (R19).
10. Dress 1st a.f. grid resistor (R12) close to chassis.
11. Dress capacitor C3 in air between end apron and r.f. coil with foil end to tuning condenser frame.

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.



Tube and Trimmer Locations



K=1000
ALL CAPACITOR VALUES LESS THAN 1.0 ARE IN MF. & ABOVE 1.0 ARE IN MMF. EXCEPT THOSE INDICATED.

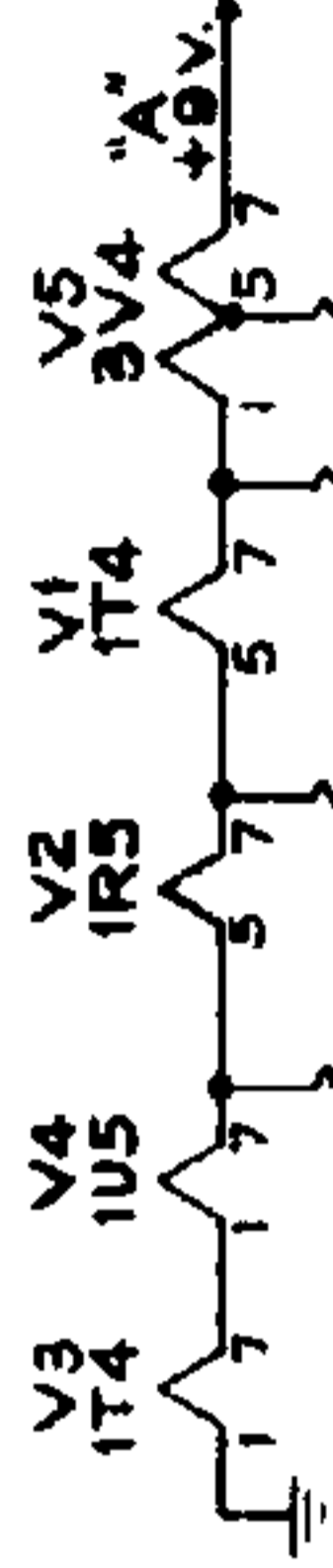
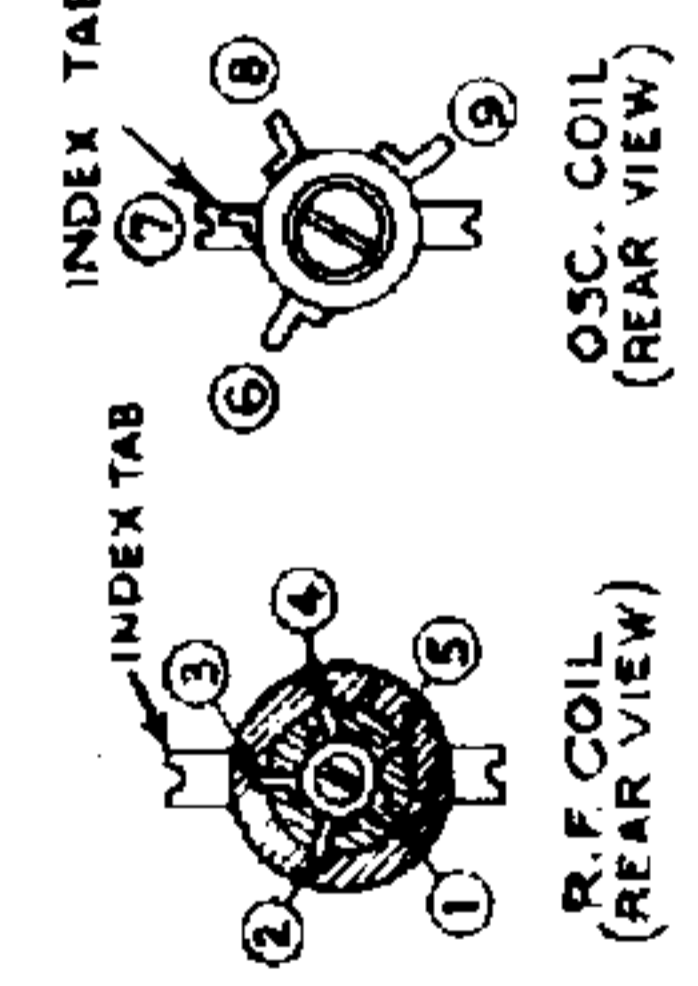
TUBE CURRENTS (MA) BATTERY OPERATION

V1	V2	V3	V4	V5
.52	.65	1.07	.08	5.8
.18	1.2	.49	.013	1.35

CURRENTS SLIGHTLY HIGHER ON A.C. OPERATION

VOLTAGES MEASURED TO COMMON WIRING (-B) WITH CHANALYST OR VOLTOHMYST AND SHOULD HOLD WITHIN ±20% WITH RATED BATTERY SUPPLY.

SWITCH "S1" ACTUATED BY LINE PLUG



POLARIZED LINE CORD TO S1 OR 115 V. SUPPLY

Schematic Diagram

MODEL PX600, Ch. RC-1110

STOCK No.	DESCRIPTION	STOCK No.	DESCRIPTION
CHASSIS ASSEMBLIES RC 1110		503327	27,000 ohms, ±10%, ½ watt R14
76660	Capacitor—Variable tuning capacitor complete with drive drum C1-1, C1-2, C1-3	504368	68,000 ohms, ±20%, ½ watt R10
73153	Capacitor—Ceramic, 4 mmf. C21	504410	100,000 ohms, ±20%, ½ watt R5
39622	Capacitor—Mica, 56 mmf. C7	504422	220,000 ohms, ±20%, ½ watt R15
71514	Capacitor—Ceramic, 82 mmf. C2, C12	504510	1 megohm, ±20%, ½ watt R16
76659	Capacitor—Electrolytic, comprising 1 section of 50 mfd., 150 volts, 1 section of 40 mfd., 150 volts, 1 section of 160 mfd., 25 volts and 1 section of 40 mfd., 25 volts C18A, C18B, C18C, C18D	503518	1.8 megohm, ±10%, ½ watt R2
73595	Capacitor—Tubular, paper, .0022 mfd., 600 volts C17	504547	4.7 megohm, ±20%, ½ watt R13
73795	Capacitor—Tubular, paper, .0033 mfd., 600 volts C8	503556	5.6 megohm, ±10%, ½ watt R7
73796	Capacitor—Tubular, paper, .0039 mfd., 600 volts C19	503533	3.3 megohm, ±10%, ½ watt R8
73561	Capacitor—Tubular, paper, .01 mfd., 400 volts C13, C16	503568	6.8 megohm, ±10%, ½ watt R1
73562	Capacitor—Tubular, paper, .022 mfd., 400 volts C14	504610	10 megohm, ±20%, ½ watt R12
73558	Capacitor—Tubular, paper, .047 mfd., 200 volts C4, C5	76658	Shaft—Tuning knob shaft
73553	Capacitor—Tubular, paper, .047 mfd., 400 volts C3, C6, C9, C10	73117	Socket—Tube socket
75071	Capacitor—Tubular, moulded paper, .047 mfd., 400 volts C20	76368	Spring—Drive cord spring
73551	Capacitor—Tubular, paper, 0.1 mfd., 400 volts C11	71039	Switch—"Line-Battery" switch S1
73935	Clip—Mounting clip for I.F. transformers	71047	Transformer—Output transformer T3
73114	Coil—Oscillator coil complete with adjustable core L4, L5	73129	Transformer—First I.F. transformer T1
74992	Coil—R.F. coil complete with adjustable core L2, L3	75487	Transformer—Second I.F. transformer T2
71041	Connector—5 contact male connector for battery cable	33726	Washer—"C" washer for tuning knob shaft
74285	Control—Volume control and power switch R9, S2	SPEAKER ASSEMBLIES 971495-2	
†72953	Cord—Drive cord (approx. 47" overall length required)	76402	Speaker—4" P.M. speaker complete with cone and voice coil (3.2 ohms)
70022	Cord—Power cord and plug	MISCELLANEOUS	
74838	Grommet—Power cord strain relief (1 set)	76664	Antenna—Antenna loop L1
72283	Grommet—Rubber grommet to mount tuning capacitor (3 required)	76667	Back—Cabinet back complete with hinges
18469	Plate—Bakelite mounting plate for electrolytic capacitor	76661	Board—Antenna loop lead terminal board complete with clip
76656	Pointer—Station selector pointer	76670	Bracket—Carrying handle strap bracket
72602	Pulley—Drive cord pulley	76662	Bracket—Mounting bracket for handle (2 required)
74322	Rectifier—Selenium rectifier	76666	Cabinet—Cabinet complete with escutcheon, dial, "RCA Victor" emblem, grille, baffle and loop—less back and hinges
74319	Resistor—Wire wound, 2650 ohms, 7 watts R19	74339	Catch—Cabinet back clip catch—fastens to cabinet front (2 required)
73237	Resistor—Wire wound, 33 ohms, fuse type R21	74790	Hinge—Cabinet hinge (2 required)
Resistors—Fixed, composition:		76663	Knob—Control knob
504210	1000 ohms, ±20%, ½ watt R4	76665	Retainer—Retainer for carrying handle strap (2 required)
503215	1500 ohms, ±10%, ½ watt R17	74791	Screw—#4 x 5/16" cross recessed pan head thread cutting screw for catch #74339
503218	1800 ohms, ±10%, ½ watt R6, R18	76671	Screw—#6 x ½" cross recessed round head thread cutting screw for carrying handle
503227	2700 ohms, ±10%, ½ watt R3	74734	Spring—Spring clip for knob
513233	3300 ohms, ±10%, 1 watt R22	76669	Strap—Carrying handle strap
504315	15,000 ohms, ±20%, ½ watt R20	76668	Support—Handle assembly support (polystyrene) (2 required)

†Stock No. 72953 is a reel containing 250 feet of cord.