

MODELS JK-44BP & KL-44BP

Four-Tube, Single-Band, Battery-Operated, Superheterodyne Receiver

Electrical and Mechanical Specifications

FREQUENCY RANGE..... 540-1,600 kc

INTERMEDIATE FREQUENCY 455 kc

TUBE COMPLEMENT

- (1) Type-1R5..... 1st Det.—Osc.
- (2) Type-1T4..... I-F Amplifier
- (3) Type-1S5..... 2nd Det., A-F, and A.V.C.
- (4) Type-1S4..... Power Output

POWER SUPPLY

Type Battery	Current Consumption
"A"—1.5 volt Eveready No. 950	0.25 amperes
"B"—67.5 volts Eveready No. 467	
	8.5 milliamperes

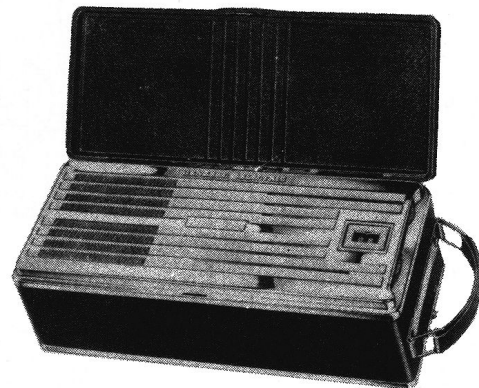
POWER OUTPUT

Undistorted.....	0.05 watts
Maximum.....	0.12 watts

LOUDSPEAKER

Type..... 3-inch permanent-magnet dynamic
V.C. Impedance..... 3 ohms at 400 cycles

Cabinet Dimensions (inches)	Height	Width	Depth
	3	8 $\frac{1}{4}$	3 $\frac{1}{2}$
Weight.....	3 $\frac{3}{4}$ lbs. (net)	4 $\frac{3}{4}$ lbs. (shipping)	
Tuning Drive Ratio.....	1 to 1		



REPLACEMENT PARTS — MODELS JK-44BP and KL-44BP

STOCK NO.	DESCRIPTION	STOCK NO.	DESCRIPTION
RECEIVER ASSEMBLIES			
36717	Capacitor-20 mmfd. (C18).....	36506	Switch-Power switch (S1).....
36715	Capacitor-50 mmfd. (C3,C16).....	36498	Transformer-1st I.F. transformer (L4,L5,C8,C9).....
36716	Capacitor-100 mmfd. (C13).....	36499	Transformer-2nd I.F. transformer (L6,L7,C11,C12).....
12488	Capacitor-270 mmfd. (C4).....	SPEAKER ASSEMBLIES	
36163	Capacitor-.001 mfd. (C14,C19).....	36504	3 inch P.M.speaker complete less output transformer.....
33584	Capacitor-.005 mfd. (C20).....	36505	Transformer-Output transformer (T1)
36248	Capacitor-.02 mfd. (C10,C15).....	MISCELLANEOUS ASSEMBLIES	
32787	Capacitor-.05 mfd. (C7).....	38204	Antenna-Loop antenna and cover.....
36718	Capacitor-Electrolytic 10 mfd. (C17)	36507	Bottom-Receiver case bottom.....
36496	Condenser-Variable tuning condenser (C1,C6).....	36508	Centre-Receiver centre strip.....
36497	Coil-Oscillator coil (L2,L3).....	36509	Handle-Carrying handle and bracket.
36495	Control-Volume control (R6).....	37857	Hinge pins and hinge springs(1 set)
36606	Core-Adjustable core and stud for oscillator coil.....	37156	Latch-Bottom latch and rivets.....
36503	Holder-Battery Holder Complete.....	38205	Latch-Top latch and rivets.....
36501	Knob-Tuning disc.....	S-3044	Lid-Lid only.....
36502	Knob-Volume knob.....	S-3071	Panel-Control panel.....
30158	Resistor-820 ohms 1/4 watt (R9)....	S-3063	Rivet-Hinge rivet (Package of 25).....
36714	Resistor-15000 ohms 1/4 watt (R2)...	37179	Clip-"B" Battery Clip pos.....
30787	Resistor-47000 ohms 1/4 watt (R5)...	37180	Clip-"B" Battery Clip neg.....
3252	Resistor-100,000 ohms 1/4 watt (R1).	38207	Connector (1 Set) Loop Contact Connectors.....
30652	Resistor-1 megohm 1/4 watt (R7)....	38206	Hinge (Cover hinge and rivets).....
31417	Resistor-3.3 megohm 1/4 watt (R3,R10)	37811	Support - Lid Support.....
30931	Resistor-4.7 megohm 1/4 watt (R8)...		
30992	Resistor-10 megohm 1/4 watt (R4)....		
36500	Socket-Tube socket.....		
S-3041	Socket-Cushion socket Assembly.....		
36069	Socket-1T4 Tube socket.....		

C.G.E. MODEL JK-44BP & KL-44BP SAME AS C.G.E. MODEL KM-44BP

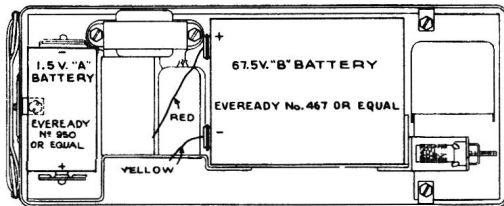
REPLACEMENT PARTS PECULIAR TO MODEL K144BP

STOCK NO.	DESCRIPTION	LIST PRICE
S-3044	Lid-Lid only with lid support.....	
38204	Lid & antenna with antenna cover and lid support.....	
S-3071	Panel-Control panel.....	

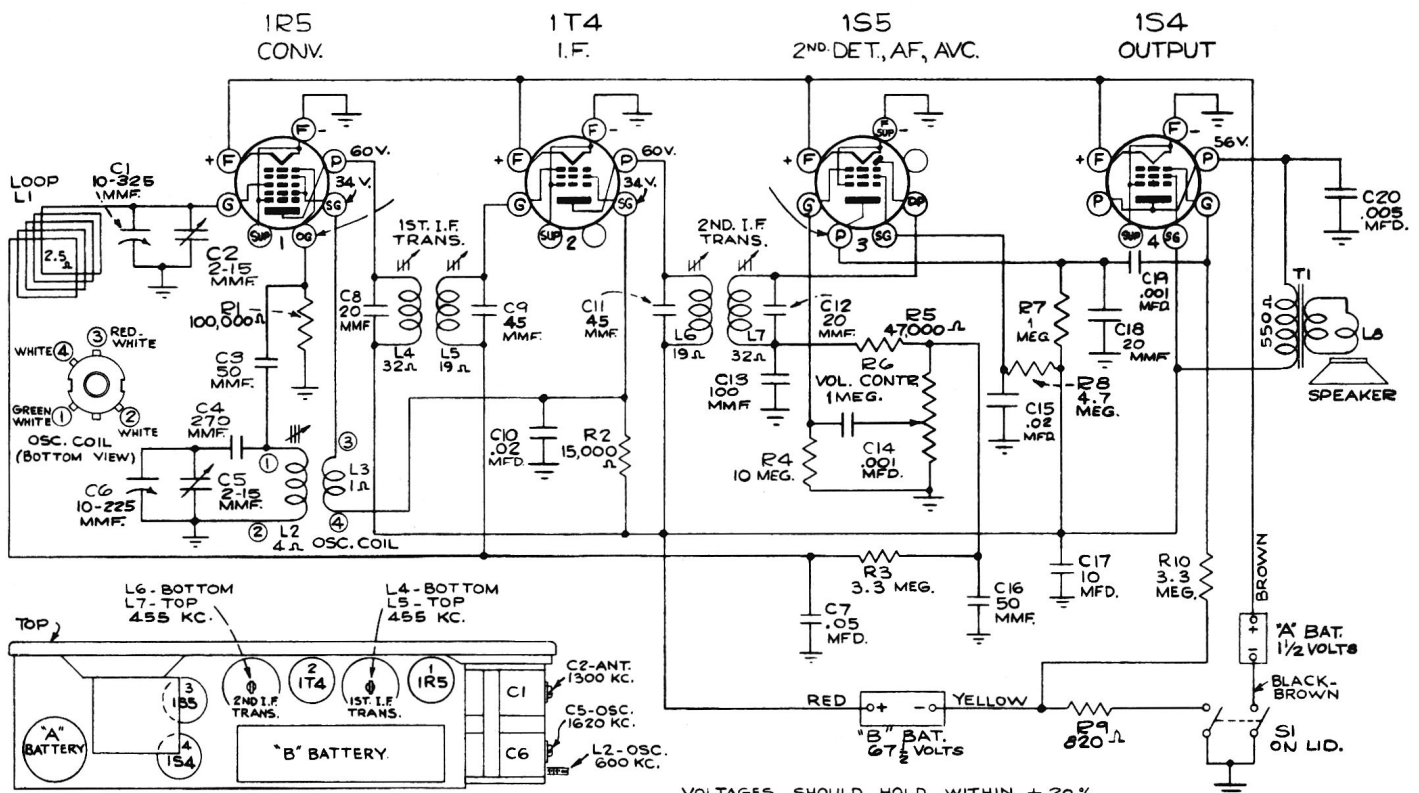
Alignment Procedure

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, keep the output as low as possible to avoid a-v-c action.



Steps	Connect the high side of test-osc. to—	Tune test-osc. to—	Turn radio dial to—	Adjust the following for max. peak output—
1	Tuning condenser stator (ant.) in series with .01 mfd.	455 kc	Quiet point at 1,600 kc end of dial	L7, L6, L5, L4 (2nd and 1st I-F transformers)
2	Radiated signal 1,620 kc	1,620 kc	Full clockwise (out of mesh)	C5 (oscillator)
3	Radiated signal 1,300 kc	1,300 kc	1,300 kc	C2 (antenna)
4	Radiated signal 600 kc	600 kc	600 kc	L2 (osc.)
5	Repeat steps 2, 3 and 4.			



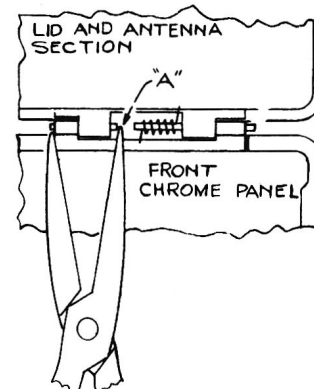
VOLTAGES SHOULD HOLD WITHIN $\pm 20\%$ WITH RATED BATTERY VOLTAGE.

Model JK44BP Schematic Diagram

Installation instructions for lid or control Panel

First remove the three self-tapping screws that hold the chassis in the centre case, and remove the case. Unsolder the leads from the loop lugs.

- With lid closed, cut hinge pins at point "A" with sharp cutters.
- Start removal of pin sections as shown, using long-nose pliers.
- Grasp end of pin section with long-nose pliers and pull out of hinge.
- Install new lid, or new front panel, using replacement hinge pins and springs. Arrange springs as shown. Apply a small amount of cement near outer end of each pin to insure tight and permanent fit.



Replacing Lid or Control Panel