MODEL 404 B

Power Supply: A Battery, 1½ volts.
B Battery, 67½ volts.

Battery Current: A Battery, .25 amp.
B Battery, 9.5 m/a.

Frequency Range: 540-1610 Kc/s.

Intermediate Frequency: 455 Kc/s.

Speaker Transformer Impedance: 5,000 ohms.

D.C. Resistance of R.F. Coils.			
Coil	Type	Primary Ohms.	Secondary Ohms.
Aerial . . .	RJ52	1.2	—
Osc.	RJ54	1.	4
1st I.F. . .	K.I.F. 14	14	14
	or		
	I.F. 14	17	17
2nd I.F. . .	K.I.F. 15	13	11
	or		
	I.F. 15	18	12

Working Voltages.

Measured to Chassis with no signal input, except filaments which are measured across the appropriate pins.

		1,000 ohms per volt D.C. Meter Scales.		
		10V	250V	250V
Valve	Use	Filament	Screen and Osc. Plate	Plate
1R5	Osc. Mod.	1.5	42	67.5
1T4	I.F.	1.5	30	67.5
1S5	Det. A.V.C. 1st A.F.	1.5	4 (See Note)	17
3S4	2nd A.F.	1.5	67.5	64

Note.—Voltages for 1S5 valve read low as shown, because of high values of resistors in screen and plate circuits.

Typical Valve Currents.

Milliamps.

Valve	Use	Screen and Osc. Plate	Plate	Osc. Grid.
1R5	Osc. Mod.	Total Through Osc. Coil= 2.5 m/a		1.5 average
1T4	I.F.	.4	1.0	
1S5	Det. A.V.C. 1st A.F.	.2	.06	
3S4	2nd A.F.	.9	4.4	

Total H.T. current should average 9.5 M/a and may be adjusted by alteration to value of resistor R1.

Dial Pointer Adjustment: Set the gang to full in, loosen the dial drum grub screw, and turn drum so that pointer is shifted the desired amount. Refer to page 257 for details of dial drive.