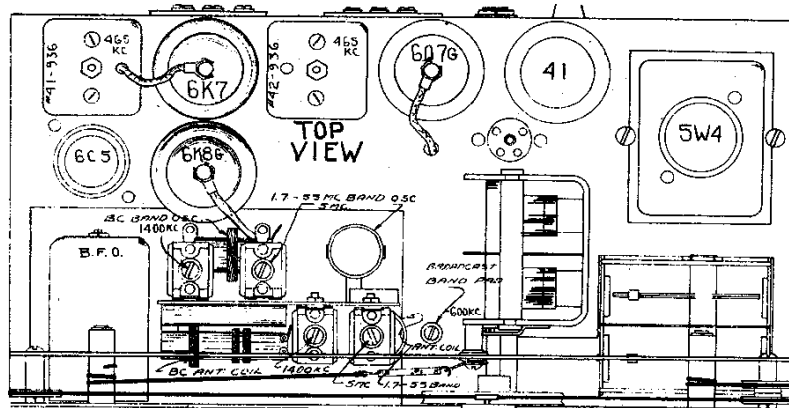
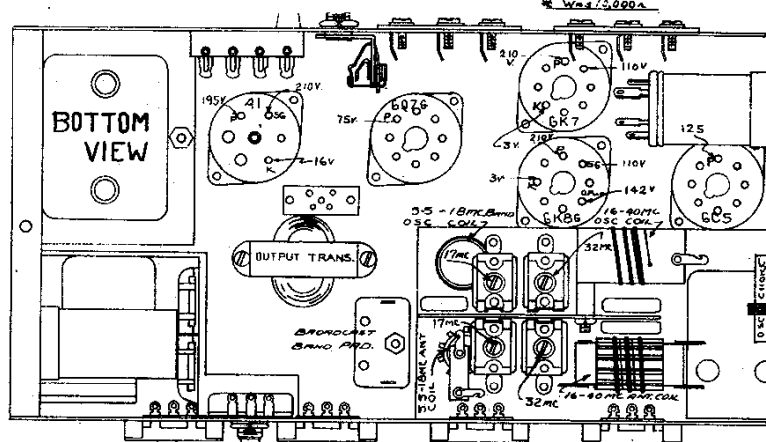
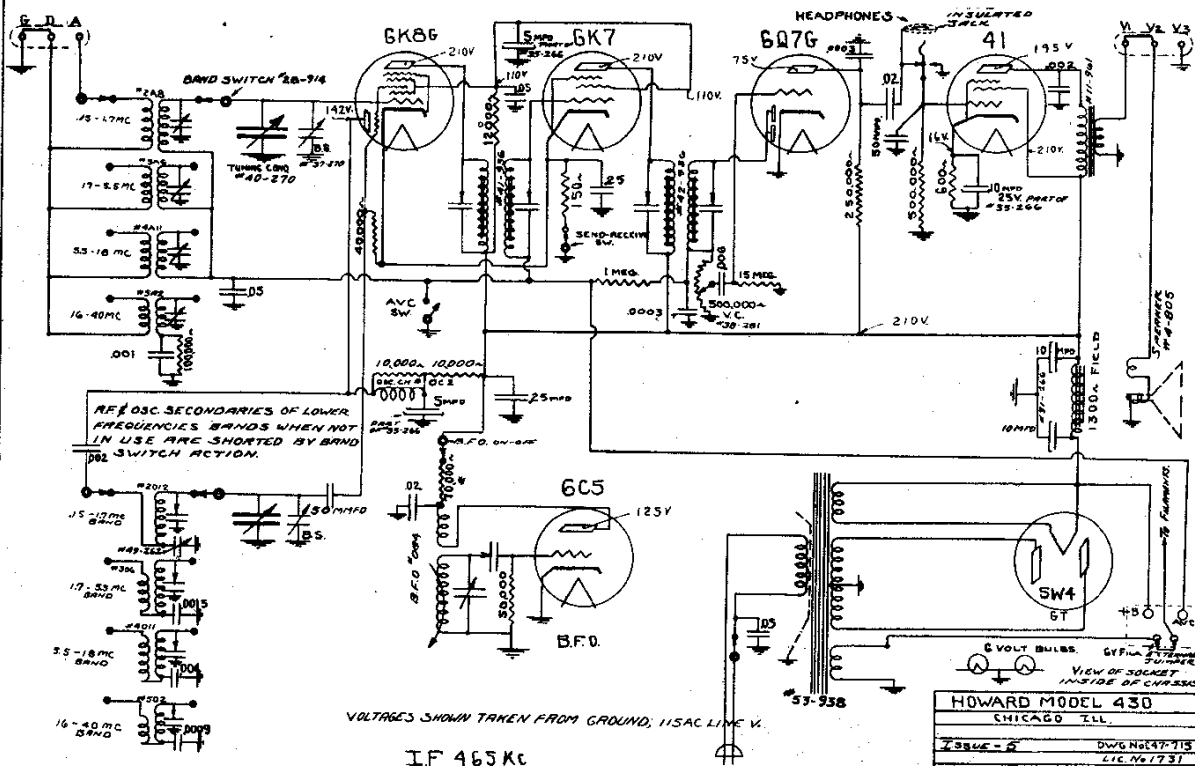


MODEL 430

HOWARD RADIO CO.



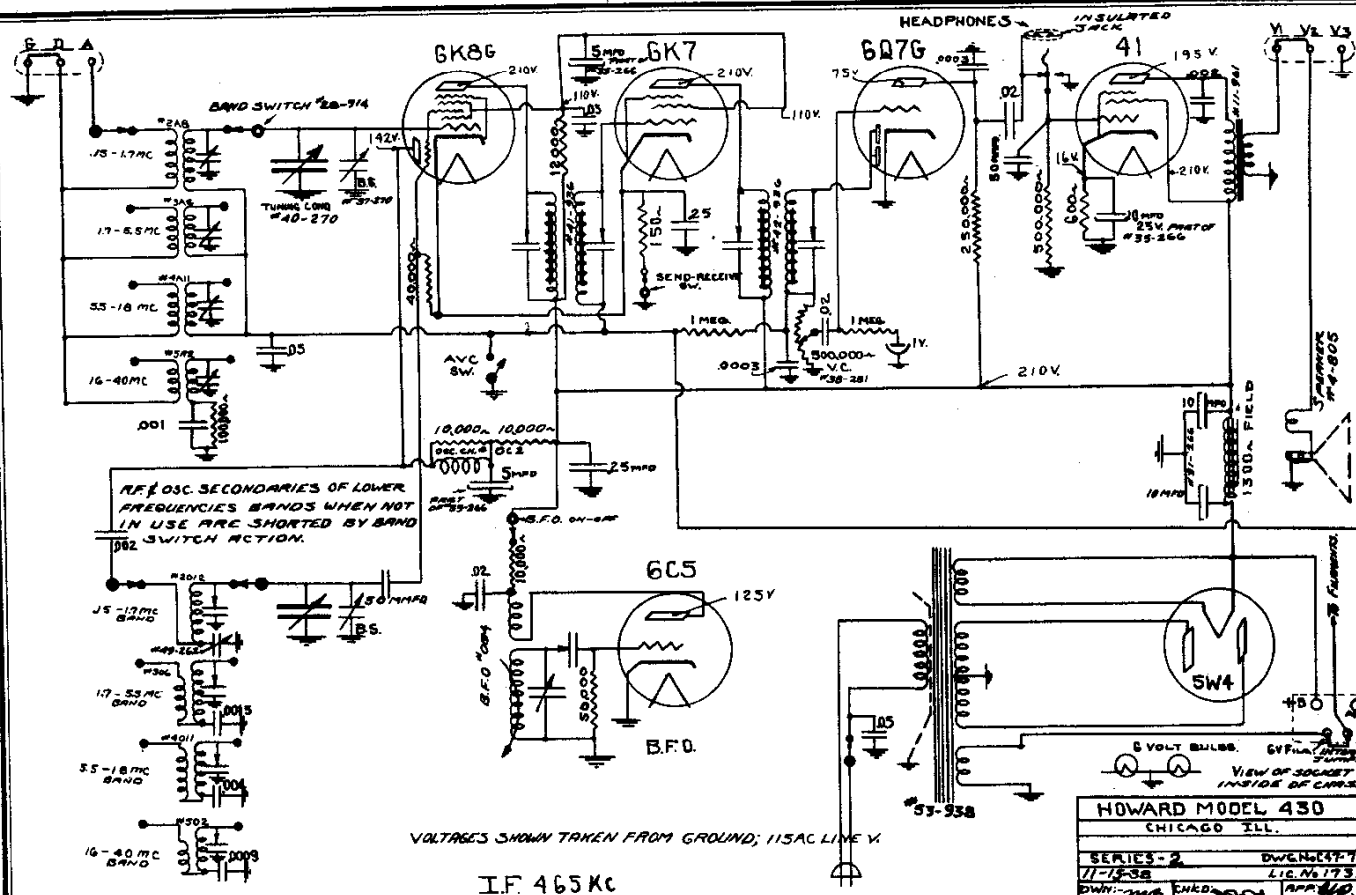
NOTE 1: When aligning the I.F. channel, a condenser of .05 MFD may be used in series with the generator lead.

NOTE 2: When aligning the broadcast band, a 250 MMFD condenser may be used in series with the signal generator.

NOTE 3: When aligning the short wave bands, a 400 ohm resistor may be used in series with the signal generator.

NOTE 4: After the chassis has been removed from the cabinet, be sure when it is again assembled that the speaker plug is in place in the socket on top of the chassis and that the speaker cable wires do not lay back near the RF circuit, thus causing howling.

NOTE 5: Check for an image signal about .9 mc. lower in frequency. For example:- If a peak has been made at 6 mc. an image should be heard at about 5.1 mc. Otherwise the original setting was not correct.



REFER TO SCHEMATIC DIAGRAM FOR REPLACEMENT PARTS NOT SHOWN IN ABOVE LIST

PART NUMBER	DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE	REMARKS
9-132	Ball Bearing - 1/8" Dia.	31-286	Condenser - "E", 10-10 Mfd., 350 V.	2-498	Pilot Light - 6 V., Bayonet
7601	Blas Cell - 1 1/2 V.	35-206	Condenser - "E", 10-5-5 Mfd., 350, 350, 25 V.	11-768	Pilot Light Socket - Bayonet
52-188	Cabinet - Complete	47-590	Dial Plate - Calibrated	19-427	Prallin Window
17-829	Coil Spring for Drive Cord	1-888	Drive Cord	4-167	Rubber Mounting Feet
50-262	Condenser - Single Trimmer	87-448	Tuning Band	4-805	Speaker - 8", Cord and Plug
49-262	Condenser - Paddling, BC Band	38-281	Volume Control - 1 Meg.	15-829	Spring Clamp for Ball Bearing on Start
	Condenser - .0015 Mfd., - Mica	3-455	Headphone Jack	14-017	Toggle Switches - S.P.S.T.
	Condenser - .0009 Mfd., - Mica	41-956	I.F. Assembly Complete (Input)	65-938	Transformer - Power
	Condenser - .004 Mfd., - Mica	42-936	I.F. Assembly Complete (Output)		115 V., 60 Cycles
40-870	Condenser - 2 Gang - Tuning	28-448	Indicator Pointer Hands		Transformer - Output
37-870	Condenser - 2 Gang - Band Spread	21-490	Knob - 1-1/8"	11-961	
			Knob - 1-9/16"		

HOWARD RADIO CO

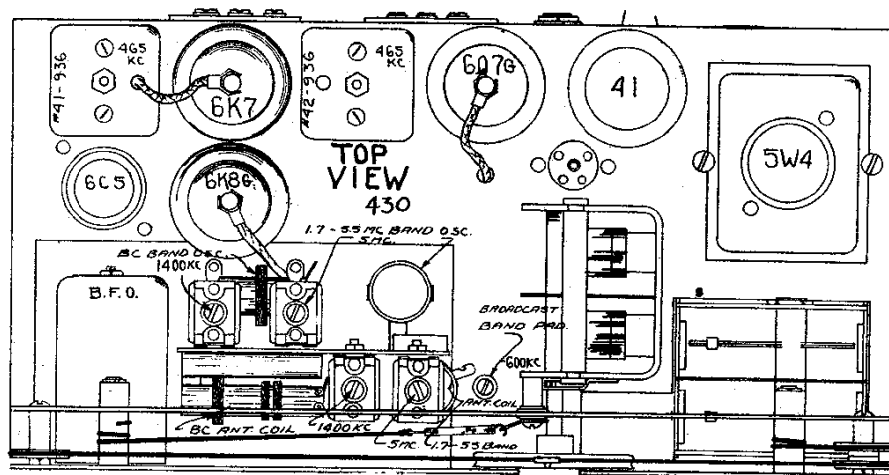
HOWARD PAGE 10-21
MODEL 430, Series 2
Schematic, Voltage

THE POWER OUTPUT for the Model 430 is about $1\frac{1}{2}$ Watts, undistorted. Ceramic coil forms are used on the high frequency band. Ceramic trimmers are used throughout. The unused secondaries of the lower frequency bands are shorted as the band switch is shifted toward the higher frequency bands.

The frequency coverage from .55 to 42 megacycles is divided into four bands. The lower scale from 0 to 100 is for logging purposes. The left hand pointer indicates the band in operation. For correct tuning calibration, the Band Spread pointer must be at 100.

MODEL 430, Series 2
Alignment, Socket
Trimmers, Dial Data
MODEL 438
Dial Data

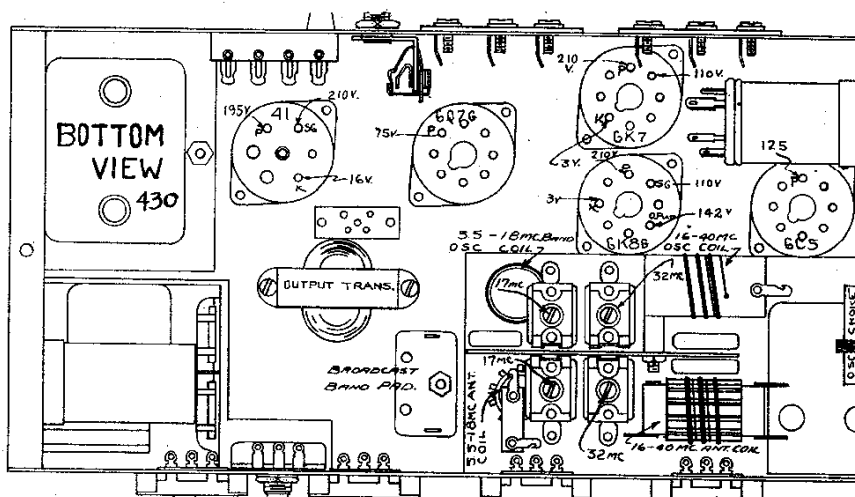
HOWARD RADIO CO.



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