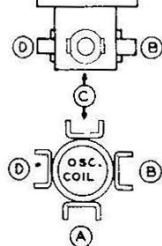


WHEN U1 IS USED AS ALTERNATE PART REMOVE PARTS MARKED WITH ASTERISK AND INSTALL PER DIAGRAM



USE ONLY ZENITH NON-INDUCTIVE ELECTROLYTIC CONDENSERS FOR REPLACEMENT. IF ANY OTHER TYPE OF ELECTROLYTIC IS USED, IT WILL BE NECESSARY TO ADD PARTS SHOWN IN DOTTED LINES.

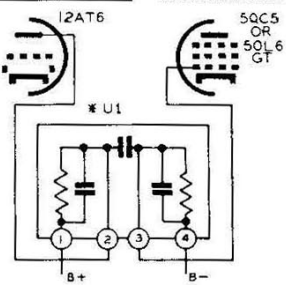
I. F. FREQUENCY 455 KC.  
TUNING RANGE 535 — 1620KC.  
I. F. TRANSFORMER NUMBERING STARTS WITH #1 TERMINAL AS FIRST TERMINAL CLOCKWISE AND ADJACENT TO MARKER AS VIEWED FROM BOTTOM OF CHASSIS.

DENOTES CHASSIS  
 DENOTES COMMON RETURN B-

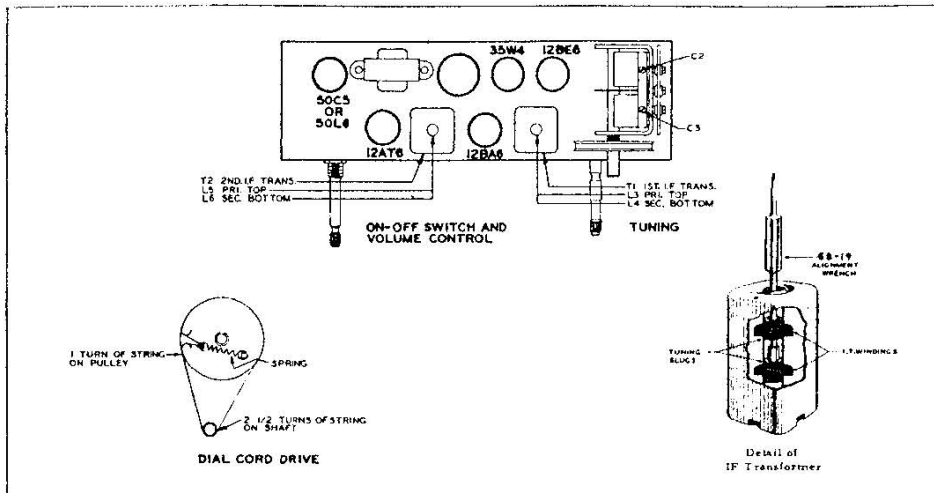
ALL VOLTAGES MEASURED FROM COMMON RETURN TO POINTS INDICATED WITH AN A.C., D.C. OR VACUUM TUBE VOLT METER.

ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED.

ALL RESISTORS ±20% TOLERANCE UNLESS OTHERWISE SPECIFIED.



MODELS H511, H511Y,  
H511W, Ch. 5H01



TUBE, TRIMMER LOCATION, DIAL CABLE DRAWING AND DETAILED VIEW OF I.F. TRANSFORMERS.

The I.F. transformers incorporated in this receiver are of the new permeability tuned type. The advantage of an I.F. transformer of this type is its extreme stability under various humidity and temperature conditions. The upper coil is the secondary and the lower the primary. When adjusting these I.F. transformers the tuning wrench 68-19 can be inserted into the top slug, rotated until maximum output is obtained and then dropped down to the lower slug and the same operation repeated. The tuning wrench is so designed that turning one slug does not affect the adjustment of the other.

ALIGNMENT PROCEDURE

OPERATION	CONNECT OSCILLATOR TO	DUMMY ANTENNA	INPUT SIG. FREQUENCY	SET DIAL AT	TRIMMERS	PURPOSE
1	Converter Grid	.5 Mfd.	455 Kc.	600 Kc.	L3, L4, L5, L6	Align I.F. for maximum output
2	One Turn Loop Coupled Loosely to Wave Magnet	---	1600 Kc.	1600 Kc.	C3	Set Oscillator to Dial Scale
3		---	1400 Kc.	1400 Kc.	C2	Align Antenna Stage

PART NO.	DESCRIPTION	QTY.	UNIT PRICE	TOTAL PRICE	REMARKS
	<b>PARTS LIST</b>				
	22-1379	.02 Mfd.		400V	
	22-1804	Elect. Cond. 60-20 Mfd.		150V	
	22-2277	Two Section Gang Cond.			64-139
	105-28	Couplate Unit (or 1 ea. 22-3M 22-6 & 2 ea. 63-189B)			14-267
					#3/8-32 x 9/16" Palm Nut Cad. (used on 63-2273)
					#6-32 x 5/16" Palm Nut Cad. (1 ea. used on 95-1102 & 95-1102)
	<b>DIAL ASSEMBLY</b>				57-1720
					Trim Plate (2 used)
					57-1721
					Emblem Plate
					78-275
					Elect. Cond. Socket
					78-755
					Octal Tube Socket (used only when 50L6GT is used)
57-1719	Escutcheon Plate	63-686	150 Ohm W.W. 1/2W 10% Ins. Res.		78-806
59-256	Dial Pointer	63-1219	22 Ohm W.W. 1/2W 20% Ins. Res.		78-807
76-620	Tuning Shaft	63-1574	1000Ohm 1W 20% Ins. Res.		78-918
78-913	Pilot Light Socket & Wire Assembly	63-1737	68 Ohm 1/2W 20% Ins. Res.		
80-209	Dial Cord Tension Spring	63-1796	1900Ohm 1/2W 10% Ins. Res.		
83-1875	Indicator Strip	63-1828	10K Ohm 1/2W 20% Ins. Res. (2 used)	83-1877	Handle Strip
100-67	Pilot Light Bulb	63-1926	2.2 Megohm 1/2W 20% Ins. Res.	83-1881	Handle Strip (Y&W Models only)
188-12	Retaining Ring (used on 76-620)	63-1940	4.7 Megohm 1/2W 20% Ins. Res.	94-334	Gang Cond. Mtg. Bushing (3 used)
5-17691	Dial Cord & Eyelet Assembly	63-2271	Volume Control & Switch	95-1269	Output Transformer
				114-192	6-20 x 7/16 lg. x 1/4 Hex Hd. (2 used Chassis Mtg.)
					6-20 x 3/8 lg. x 1/4 Hex Hd. (4 used on Spkr. & Handle Strip Mtg.)
					114-253
	<b>COILS &amp; CHOKES</b>				
95-1101	1st. I.F. Transformer	11-85	Line Cord & Plug	125-17	Rubber Grommet (3 used on Gang)
95-1102	2nd. I.F. Transformer	14-1295	Plastic Cabinet for H511 Table Model	125-81	Strain Relief Grommet - Male
5-14842	Osc. Coil Assembly	14-1305	Plastic Cabinet for H511Y Table Model	125-82	Strain Relief Grommet - Female
		14-1311	Plastic Cabinet for H511W Table Model	159-69	Trimount Stud (4 used on Wavemagnet Mtg.)
		16-675	Packing Carton	202-868	Instruction book
		16-745	Tuning & Vol. Control Knob (2 used)	5-17697	Wavemagnet Assembly
22-3	.01 Mfd. Ceramic (2 used)	16-745Y	Tuning & Vol. Control Knob (2 used) (W & Y Models only)	3-17392	Wavemagnet Assembly (Y Model only)
22-5	110 Mmfid. Ceramic (or 22-162 or 22-1669) 500V	49-698	4" P.M. Speaker	5-17868	Wavemagnet Assembly (W Model only)
22-829	.05 Mfd. (2 used)		*2C409H Cone & Voice Coil		
22-1158	.05 Mfd.				