



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 68-7 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 ANTENNA	DUMMY ANTENNA	INPUT SIG. FREQUENCY	SET DIAL AT	TRIMMERS	PURPOSE
1	Converter Grid	.5 Mfd.	455 Kc.	600 Kc.	Adjust Primary & Secondary Slugs	For I. F. Alignment
2	One Turn Loop Coupled Loosely to Wave Magnet	--	1600 Kc.	1600 Kc.	C-3	Set Oscillator to Dial Scale.
3		--	1400 Kc.	1400 Kc.	C-2	Align Antenna Stage

PARTS LIST

PART NO.	DESCRIPTION	QTY.
26-415	Dial Scale	1
59-222	Dial Pointer	1
76-515	Tuning Shaft	1
80-209	Dial Cord Tension Spring	1
188-32	Retaining Ring (Pointer)	1
188-54	Retaining Ring (Eyelet)	1
514843	Dial Cord & Eyelet Assem.	1
COILS & CHOKES		
T-1	1st. I. F. Transformer	500V.
T-2	2nd. I. F. Transformer	200V.
L-2	Oscillator Coil Assem.	600V.
CONDENSERS		
C-14	100 Mfd. (or 22-1669)	500V.
C-4	.05 Mfd.	200V.
C-4	.0005 Mfd.	600V.
C-13	.05 Mfd.	200V.
C-13	.02 Mfd.	400V.
C-5	.047 Mfd.	400V.
C-15, 16	Dry Electrolytic 60 x 20 Mfd.	150V.
C-1	Two Section Gang	
U-1	Dual Ceramic	
RESISTORS		
R-7	150 Ohm W. W. Insl.	1/2W
R-9	22 Ohm W. W. Insl.	1/2W
R-10	1 M Ohm Insl.	1W
R-13	39 Ohm W. W. Insl.	2W
R-4	Vol. Con. & Sw.	
R-12	68 Ohm Insl.	1/2W
	820 Ohm Insl.	1/2W
	4700 Ohm Insl.	1/2W
R-1	10M Ohm Insl.	1/2W
R-6	470M Ohm Insl.	1/2W
R-3	2.2 Megohm Insl.	1/2W
R-2	4.7 Megohm Insl.	1/2W
MISCELLANEOUS		
11-79	Line Cord & Plug (6 Ft.)	
14-1010	Model 819Y Plastic Cabinet	
46-745Y	Tuning & Vol. Con. Knob (2 Used)	
49-645	4" P.M. Speaker	
54-139	206-645 Output Trans.	
54-211	208-645 Core & Voice Coil	
54-267	#3/8-32 x 9/16 Pin Nut	
57-1407	Speed Nut	
78-275	#6-32 x 5/16 Pin Nut	
78-611	Cabinet Front Plate	
78-806	Socket - Electrolytic	
78-807	Socket - Octal Tube (8 Contact)	
83-1057	Socket - Miniature Tube	
94-334	Socket - Miniature Tube (3 Used)	
112-697	Line Cord Insulating Strip	
114-67	Gang Cond. Mg. Bushing	
114-217	#6 x 7/16 Straight Side B.H.S.T. Screw	
125-17	#6-32 x 7/16 Hex Acorn Hd. M.S.	
139-73	#8 x 1/4 Hex Hd. Slotted S. T. Screw	
159-69	Rubber Grommet	
166-44	Spk. Baffle	
202-665	Trimount Stud (Cab. Back Mtg.)	
514879	Rubber Bumper (or 166-41)	
514951	Instruction Book	
	Wave Magnet Assem.	
	Front Plate & Spk. Baffle Assem.	