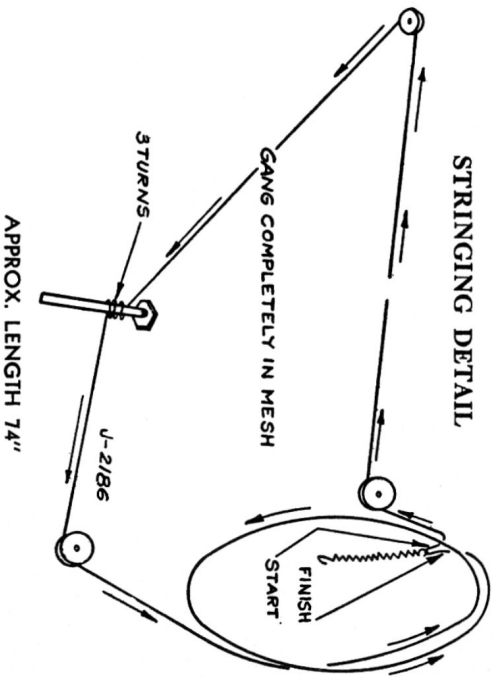


CONDENSERS		COILS		RESISTORS	
No.	Description	No.	Description	No.	Description
C1	GANG CONDENSER, OSC. SECTION	T1	H.F. ANTENNA	R1	56 Ω, 1/4 W., ±10%
C2	GANG CONDENSER, ANT. SECTION	T2	B.C. ANTENNA	R2	1 MEG., 1/4 W., ±20%
C3	1/5-1/5 M/MFD. H.F. ANT. TRIMMER	T3	H.F. OSCILLATOR	R3	22,000 Ω, 1/4 W., ±20%
C4	1/5-1/5 M/MFD. B.C. ANT. TRIMMER	T4	B.C. OSCILLATOR	R4	1/8, 000 Ω, 2 W., ±20%
C5	4-40 M/MFD. H.F. OSC. TRIMMER	T5	1ST I.F. TRANSFORMER	R5	2.2 MEGOHM 1/4 W. ±20%
C6	4-40 M/MFD. B.C. OSC. TRIMMER	T6	2ND I.F. TRANSFORMER	R6	43,000 Ω, 1/2 W., ±20%
C7	300-1000 M/MFD. H.F. PAD	T7	OUTPUT TRANSFORMER	R7	47 Ω, 1/4 W., ±10%
C8	1700 M/MFD. 500 V. 5% H.F. MICA FIXED PAD	T8	POWER TRANSFORMER	R8	220,000 Ω, 1/4 W., ±20%
C9	1/50-600 M/MFD. B.C. PAD	L1	WAVE TRAP	R9	4.7 MEGOHM 1/4 W. ±20%
C10	60-220 DUAL I.F. TRIMMER	L2	FILTER TRAP	R10	47,000 Ω, 1/4 W., ±20%
C11	60-220 DUAL I.F. TRIMMER	L3	VOICE COIL OF P.M. SPEAKER	R11	500,000 Ω, 1/4 W., ±20%
C12	260 M/MFD. MICA 500 V. ±20%			R12	2 MEGOHM VOLUME CONTROL
C13	50 M/MFD. 400 V. TUBULAR			R13	220,000 Ω, 1/4 W., ±20%
C14	50 M/MFD. 400 V. TUBULAR			R14	220,000 Ω, 1/4 W., ±20%
C15	50 M/MFD. 400 V. TUBULAR			R15	470,000 Ω, 1/4 W., ±20%
C16	40-80 M/MFD. WAVE TRAP TRIMMER			R16	470,000 Ω, 1/4 W., ±20%
C17	40 M/MFD. 400 V. TUBULAR	S1	BAND SELECTOR SWITCH	R17	2.2 MEGOHM 1/4 W. ±20%
C18	50 M/MFD. 600 V. TUBULAR	S2	OFF-ON SWITCH (ON VOLUME CON)		
C19	260 M/MFD. MICA 500 V. ±20%				
C20	260 M/MFD. MICA 500 V. ±20%				
C21	50 M/MFD. 600 V. TUBULAR				
C22	50 M/MFD. 600 V. TUBULAR				
C23	50 M/MFD. 600 V. TUBULAR				
C24	25 MFD. 50 V. ELECTROLYTIC	P1	PHONE JACK		
C25	20 MFD. 450 V. ELECTROLYTIC	P2	6-Ø K. 250 MA. PILOT BULB		
C26	40 MFD. 600 V. TUBULAR				
C27	40 MFD. 600 V. TUBULAR				
C28	50 M/MFD. MICA 500 V. ±20%				
C29	50 M/MFD. MICA 500 V. ±20%				
C30	50 M/MFD. MICA 500 V. ±20%				
C31	200 M/MFD. ±20% 500 V. MICA				



ALIGNMENT AND CALIBRATION

These receivers are carefully aligned and calibrated at the factory with precision instruments. If realignment is necessary, the following equipment is required:

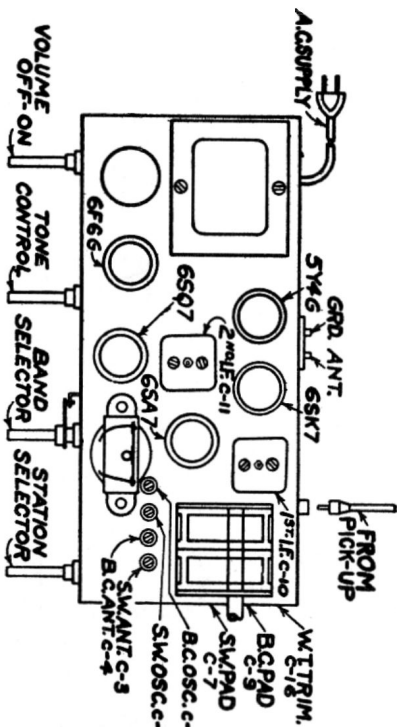
(1) A signal generator to supply with accuracy the frequencies:

(a) 455 K.C., (b) 1460 K.C., (c) 600 K.C., (d) 16 M.C., (e) 6 M.C.

(2) A dependable Output meter.

Note 1—When aligning oscillator section at high frequencies, care should be taken that the receiver is not adjusted to an image frequency in place of the fundamental. At 16 M.C., fundamental will be obtained at minimum trimmer capacity.

Note 2—When aligning antenna trimmer at high frequencies, rock gang condenser back and forth to obtain maximum peak.



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ALIGNMENT—PROCEED IN SEQUENCE LISTED.

Band	Band Switch Setting	Dummy Antenna	Connect Generator To	Radio Dial Setting	Generator Frequency	Trimmer Adjusted	Adjustment	Note
2nd I.F.	B.C.	Blocking Condenser	Grid of 6SA7	1460 K.C.	455 K.C.	C-11	Maximum Output	
1st I.F.	B.C.	.05 Blocking Condenser	Grid of 6SA7 Converter	1460 K.C.	455 K.C.	C-10	Maximum Output	
455 K.C.	B.C.	200 mmfd.	Antenna	1460 K.C.	455 K.C.	C-10	Minimum Output	
1460 K.C.	B.C.	200 mmfd.	Antenna	1460 K.C.	1460 K.C.	C-9	Maximum Output	
600 K.C.	B.C.	200 mmfd.	Antenna	600 K.C.	600 K.C.	C-9	Maximum Output	Rock Gang Slightly
16 M.C.	S.W.	400 ohm	Antenna	16 M.C.	16 M.C.	C-5	Maximum Output	
6 M.C.	S.W.	400 ohm	Antenna	6 M.C.	6 M.C.	C-7	Maximum Output	

Sensitivity in microvolts for 500 milliwatts output (voice coil impedance 3.2 ohms) carrier modulated 30% at 400 cycles

1st I.F. Grid	455 K.C.	1460 K.C.	900 K.C.	600 K.C.	16 M.C.	10 M.C.	6 M.C.
Converter Grid	5200	—	88	90	90	92	92
Antenna	—	20	15	15	40	45	50