

ALIGNMENT

PRELIMINARY:

Output meter connection..... Across speaker voice coil
 Output meter reading to indicate 500 Milliwatts (Standard output)..... 1.26 volts
 Connection of generator ground lead Floating ground
 Generator modulation..... 30% 400 cycles
 Position of volume control Fully clockwise

Position of Variable	Frequency of Generator	Dummy Antenna	Generator Output Connection	Trimmers Adjusted in Order Shown for Maximum Output	Function of Trimmer
Open	455 Kc	.05 uf	Pin 8 12SA7	A1, A2, A3, A4,	I. F.
Open	1650 Kc		Test Loop *	A5	Oscillator
1400 Kc	1400 Kc		Test Loop *	A6, A7 *	R. F. Antenna
600 Kc	600 Kc		Test Loop *	Check Point	

* Rock tuning shaft while A6 & A7 are being adjusted until no further output is obtained. Keep generator output at a low level to prevent detuning by AVC action.

* Test Loop: Hazeltine model 1150 or 3 turns of wire about 6" in diameter placed about one foot from the receiver antenna.

SCHEMATIC LOCATION PART NO. DESCRIPTION

CAPACITOR

C1A, B, C	40548	Capacitor, Variable
C2, C5	20068-503	Capacitor, P. T., .05 uf, 400V.
C3	20067-503	Capacitor, P. T., .05 uf, 200V.
C4	20065-500	Capacitor, Mica., .00005 uf, 500V.
C6, C8	20203-221	Capacitor, Ceramic, .00022 uf, 350V.
C7, C9, C11	20068-103	Capacitor, P. T., .01 uf, 400V.
C10	20069-302	Capacitor, P. T., .003 uf, 600V.
C12, A, B,	24249	Capacitor, Electrolytic 80-50-150V.
C13	20067-102	Capacitor, P. T., .001 uf, 200V.

RESISTOR

R1, R9	20061-334	Resistor, 330K, ohm, 1/2W 20%
R2	20061-222	Resistor, 2200 ohm, 1/2W 20%
R3	20061-223	Resistor, 22K, ohm, 1/2W 20%
R4	20061-685	Resistor, 6.8 meg. 1/2W 20%
R5	20061-105	Resistor, 1 meg. 1/2W 20%
R6	20061-150	Resistor, 15 ohm, 1/2W 20%
R8	20061-335	Resistor, 3.3 meg. 1/2W 20%
R11, R13	20061-151	Resistor, 150 ohm, 1/2W 20%
R12	20223-102	Resistor, 1000 ohm, 2W 10%
R14	20061-333	Resistor, 33K, 1/2W 20%
R15	20061-680	Resistor, 68 ohm, 1/2W 20%

