

ALIGNMENT PROCEDURE

Allow unit to heat for a few minutes before starting alignment.
 Volume control set to maximum.
 Output meter across speaker.
 Align for maximum output.
 Keep input as low as readable meter reading of output will permit.

Note: If signal generator is AC operated, use an isolating transformer between the power supply and the radio receiver power input. The use of an isolating capacitor is not recommended as AC through the capacitor will introduce hum and/or create the possibility of a burned out signal generator attenuator.

FREQUENCY	SIGNAL GENERATOR COUPLING CAPACITOR	GENERATOR CONNECTION TO RADIO	GROUND CONNECTION	TUNING CONDENSER SETTING	ADJUST TRIMMERS FOR MAXIMUM OUTPUT (in order shown)
455 KC	0.1 mf	Converter grid	B-	Wide open	2nd IF transformer trimmer 1st IF transformer trimmer
1720 KC	200 mmf	Receiver antenna post	Chassis	Wide open	Oscillator trimmer C3
1500 KC	200 mmf	Receiver antenna post	Chassis	Tune for maximum output	Antenna trimmer C1

SYMBOL	TITLE	VALUE	RATING	TOLERANCE	PART NO
C1	Antenna trimmer				*
C2A	Variable Condenser ant. section				SC-T-023
C2B	Variable Condenser osc. section				SC-T-013
C3	Oscillator trimmer				*
C8	Mica capacitor	220 mmf	500WVDC	±20%	UCU-036
C9	Paper capacitor	.005mf	600WVDC	+40-15%	UCC-044
C10	Mica capacitor	220 mmf	500WVDC	±20%	UCU-036
C11	Paper capacitor	.01mf	600WVDC	±20%	UCC-040
C12	Paper capacitor	.02mf	600WVDC	±20%	UCC-041
C13A	Electrolytic capacitor	30mf	150WVDC		SCE-026
C13B	Electrolytic capacitor	30mf	150WVDC		SCE-026
C14	Paper capacitor	.05mf	600WVDC	±20%	UCC-045
C15	Paper capacitor	.05mf	600WVDC	±20%	UCC-045
C16	Paper capacitor	.05mf	600WVDC	±20%	UCC-045
C17	Paper capacitor	.01 mf	600WVDC	±20%	UCC-040
C19	Paper capacitor	.1mf	600WVDC	+20-10%	UCC-048
C20	Paper capacitor	.02mf	600WVDC	±20%	UCC-041
C21	Paper capacitor	.005mf	600WVDC	+40-15%	UCC-044
R1	Carbon resistor	22,000 ohm	½ W	±20%	URD-081
R2	Carbon resistor	2.2 megohm	½ W	±20%	URD-129
R3	Volume control	0.5 megohm			SRC-070
R4	Carbon resistor	4.7 megohm	½ W	±20%	URD-137
R5	Carbon resistor	470,000 ohm	½ W	±20%	URD-113
R6	Carbon resistor	470,000 ohm	½ W	±20%	URD-113
R7	Carbon resistor	150 ohm	½ W	±20%	URD-029
R8	Carbon resistor	2700 ohm	2 W	±20%	URE-059
R9	Carbon resistor	18 ohm	½ W	±10%	URD-007
R10	Carbon resistor	470,000 ohm	½ W	±10%	URD-113
R11	Carbon resistor	470 ohm	½ W	±20%	URD-041
R12	Carbon resistor	470,000 ohm	½ W	±20%	URD-113

