

CORONADO RADIO MODELS 05RA33-43-8136A, 05RA33-43-8137A

HALLICRAFTER RADIO MODELS 5R11, 5R12, 5R13, 5R14

ALIGNMENT PROCEDURE

The alignment should be made with volume control fully on, and the output from the signal generator as low as possible, to prevent AVC action from interfering with proper alignment.

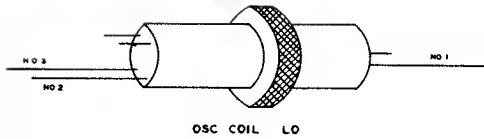
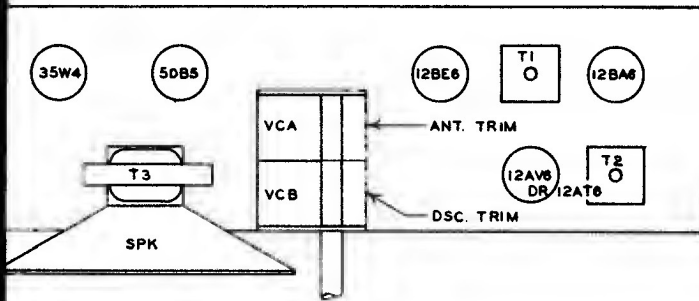
With the output meter connected across the voice coil of the speaker, the output meter reading for 50 milliwatts is 0.4 volts, using a signal which is modulated 400 c.p.s.

Adjust all trimmers for maximum output. Repeat the alignment procedure given below as a final check.

CAUTION: This is an AC/DC receiver, and when aligning the set it is necessary to isolate the signal generator or the receiver from the line by use of a transformer, or to place a .2 MFD condenser in each test lead of the signal generator.

SIGNAL GENERATOR			POSITION OF VARIABLE	ADJUST FOR MAXIMUM OUTPUT
Frequency	Dummy Antenna	Connection to Radio		
455 KC	.1 MFD	12BE6 Grid Stator VCA	Fully Open	T1 & T2
1625 KC		12BE6 Grid Stator VCA	Fully Open	VCB Oscillator
1400 KC	.1 MFD	Loosely Coupled to Loop	Tune in Signal Generator	VCA Antenna

Connect low side of signal generator to common negative.



SYMBOL	DESCRIPTION	VALUE	RATING
VCA-VCB	Condenser, 2 gang		
C1	Condenser, paper	.05 MFD	200 volts
C2	Condenser, paper	.1 MFD	200 volts
C3	Condenser, paper	.02 MFD	600 volts
C4-C6-C7	Condenser, paper	.005 MFD	600 volts
C5	Condenser, mica	250 MMFD	500 volts
C8	Condenser, electrolytic	20 MFD	150 volts
C9	Condenser, electrolytic	40 MFD	150 volts
C10	Condenser, paper	.05 MFD	400 volts
R1	Resistor	22K ohm	1/2 watt
R2	Resistor	390 ohm	1/2 watt
R3	Resistor	1 megohm	1/2 watt
R4	Resistor	10 megohm	1/2 watt
R5-R9	Resistor	470K ohm	1/2 watt
R6	Resistor	120 ohm	1/2 watt
R7	Resistor	10K ohm	1 watt
R8	Resistor	1000 ohm	1 watt
E1	Diode filter unit	2X100 MMFD-47K ohm	
VR	Volume control	1 megohm	

