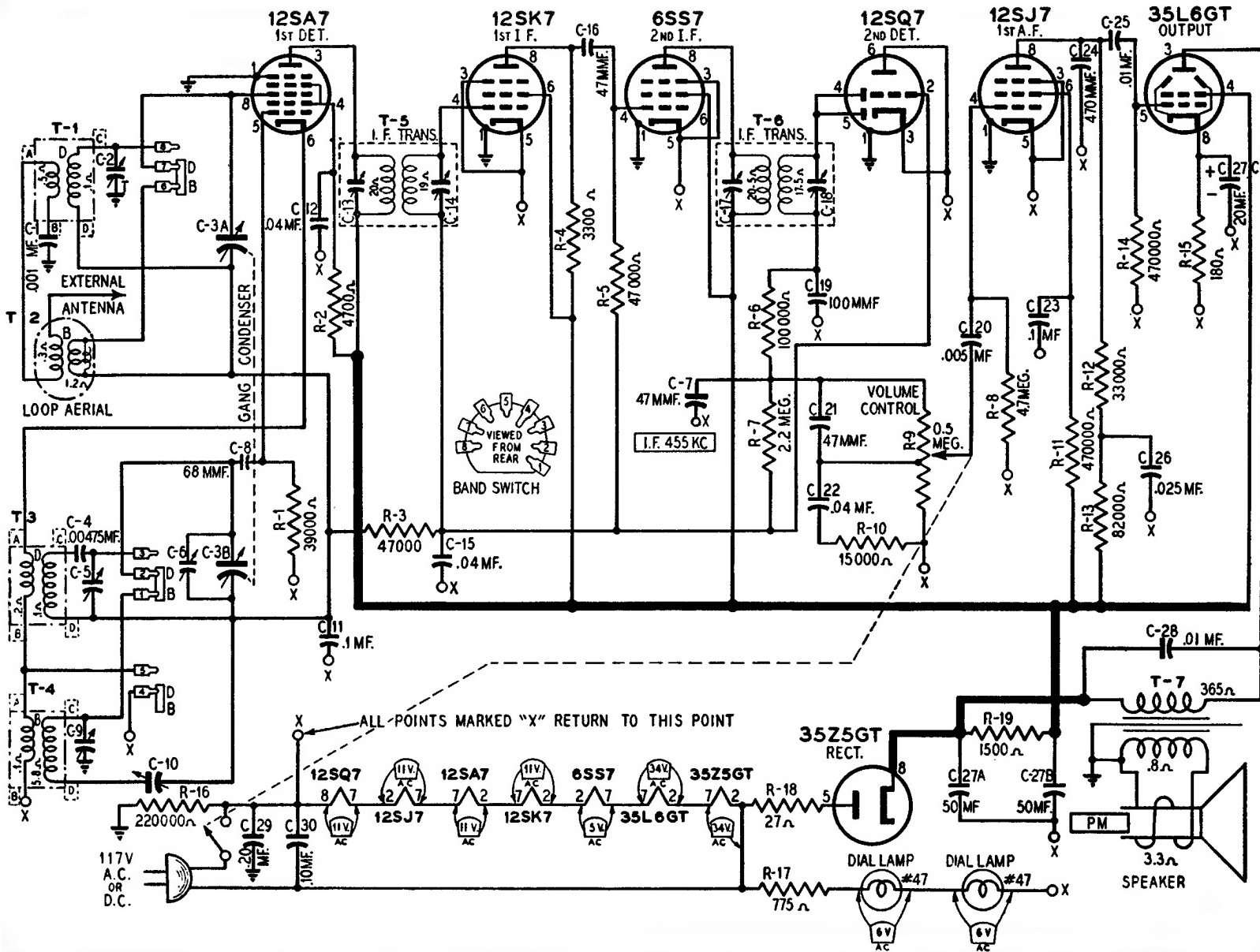
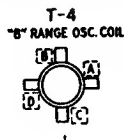


Wells-Gardner & Co. Model 37D14-600



## ALIGNMENT NOTES

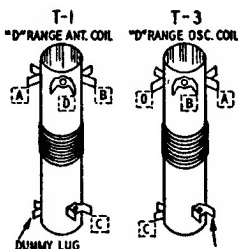


**NOTE A**—Adjust Oscillator Range B (C9) trimmer on side of chassis. Oscillator Range B (C6) auxiliary trimmer on gang condenser is adjusted at factory and ordinarily need not be readjusted in the field.

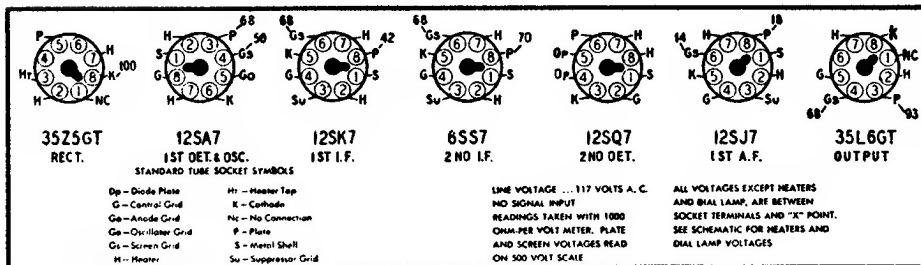
**NOTE B**—Index line is on dial background strip. See **DIAL CALIBRATION** paragraph.

**NOTE C**—Turn the rotor back and forth and adjust the trimmer until the peak of greatest intensity is obtained.

**NOTE D**—A "gimmick" capacity is used on the loop antenna in place of a trimmer. This normally requires no adjustment. However, if a new loop is installed it may be necessary to adjust the "gimmick" by increasing or decreasing the number of turns in the "gimmick." Complete the oscillator adjustment (C9) at 1400 KC, then adjust the "gimmick" at the same frequency.



# Wells-Gardner & Co. Series 37D14-600



## ALIGNMENT PROCEDURE

Check Dial Pointer position, see **DIAL CALIBRATION** paragraph.

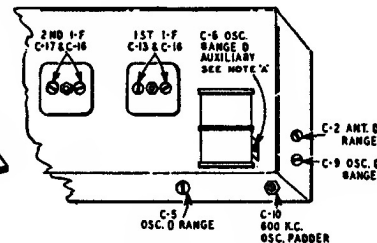
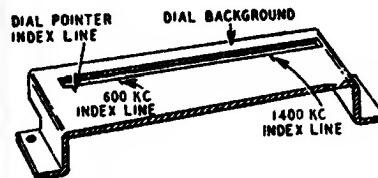
Volume Control—Maximum All Adjustments.  
Allow Chassis and Signal Generator to "Heat Up" for several minutes.

The equipment in column at right is required for Aligning:

Signal Generator which will provide an accurately calibrated signal at test frequencies as listed.

Output Indicating Meter; Non-Metallic Screw-driver.

Dummy Antennas—.1 mf., 200 mmf., and 400 ohm.



SIGNAL GENERATOR			ADJUST TRIMMERS TO MAXIMUM (See Trimmer Illustration)			
FREQUENCY SETTING	ANTENNA CONNECTION	GROUND CONNECTION	DUMMY ANTENNA	BAND SWITCH SETTING	CONDENSER SETTING	
<b>I.F.</b>						
455 KC	Signal Grid of 1st. Det. Connect at Stator of Large Gang Section.	Point "X" 12SK7—1st I-F Progs No. 3	.1 mf.	B Range	Turn Rotor to Full Open	1st I.F. (C15) & (C14) 2nd I.F. (C17) & (C18)
<b>RANGE B 1400 KC</b>						
	External Antenna Clip	Point "X"	200 mmf.	B Range	Turn Rotor to 1400 KC Index Line. See Note B	Oscillator Range B (C8) See Note A
SEE NOTE D						
600 KC	External Antenna Clip	Point "X"	200 mmf.	B Range	Turn Rotor to Max. Output and Resk	600 KC Padder (C10) Rock Rotor See Note C
<b>1400 KC</b>						
	External Antenna Clip	Point "X"	200 mmf.	B Range	Turn Rotor to 1400 KC Index Line. See Note B	Oscillator Range B (C8)
Repeat above steps at 400 and 600 KC until readjusting the oscillator Range B Trimmer (C8) causes no further improvement of output.						
<b>RANGE D 16 MC</b>						
	External Antenna Clip	Point "X"	400 Ohm	D Range	Turn Rotor to 1400 KC Index Line. See Note B	Oscillator Range D (C8)
<b>16 MC</b>						
	External Antenna Clip	Point "X"	400 Ohm	D Range	Turn Rotor to 1400 KC Index Line. See Note B	Ant. Range D (C2)

CAPACITORS	
866102	C-1 .801 mf 200 V Tubular
17A152	C-2 2.25 mmf Ant. Range "B" Trimmer
C-9	2.25 mmf Osc. Range "D"
14A148	C-3A Gang condenser and pulley
C-3B	
48X289	C-4 .00475 mf 180 V Tubular
17A174	C-5 2.25 mmf Osc. Range "D" Trimmer
C-6	Part of C-5
47X483	C-7 47 mmf Molded
47X465	C-8 68 mmf Molded
17A234	C-10 250-525 mmf 500 K.C. Padder
866104	C-11 .1 mf 200 V Tubular
	C-12
	C-13
866403	C-15 .04 mf 200 V Tubular
	C-16
	C-17 C-14 Part of T-5 (1st I-F coil assembly)
47X446	C-16, C-21 47 mmf Molded
	C-17 C-18 Part of T-6 (2nd I-F coil assembly)
47X476	C-19 180 mmf Molded
866502	C-20 .685 mf 200 V Tubular
47X487	C-24 478 mmf Molded
866103	C-25 .01 mf 200 V Tubular
	C-26
864253	C-20 .025 mf 248 V Tubular
	C-27A 50 mf 150 V
48X342	C-27B 50 mf 150 V Or electrolytic filter condenser
	C-27C 20 mf 25 V
D66204	C-28 20 mf 465 V Tubular
D66104	C-39 .10 mf 400 V Tubular
<b>RESISTORS</b>	
	<b>OHMS</b>
884393	R-1 39.8 Ohm Carbon
884472	R-2 470 0.5 Carbon
885473	R-3, R-4 47,000 0.5 Carbon
884332	R-4 3380 0.5 Carbon
<b>WATTS</b>	

OHMS		WATTS	
805104	R-6 100,000	0.5	Carbon
885225	R-7 2.2 meg	0.5	Carbon
885475	R-8 4.7 meg	0.5	Carbon
36X309	R-9	0.5	Volume control and switch
		0.5	megohms
804153	R-10 15,000	0.5	Carbon
885474	R-11 470,000	0.5	Carbon
884333	R-12 33,000	0.5	Carbon
884823	R-13 82,000	0.5	Carbon
885474	R-14 470,000	0.5	Carbon
804181	R-15 180	0.5	Carbon
885224	R-16 220,000	0.5	Carbon
43X214	R-17 775	28.	Wire wound
804270	R-18 27	0.5	Carbon
885152	R-19 1500	1.8	Carbon
<b>DIAL AND DRIVE ASSEMBLY</b>			
57X176	Mounting plate	}	Mounting gang condenser
6X21	Rubber grommet		
28X329	Cond. cushion stud		
15A128	Color disc assembly		
58X628	Dial scale		
58X587	Dial background		
26A384	Pointer bracket assembly complete with pulleys and studs		
15X220	Pointer		
	Drive cord tension spring		
	5 ft. Drive cord (22 lb. test)		
25X580	Drive shaft bracket		
20X465	Drive shaft		
19X192	"C" Washer (for drive shaft)		
24X564	Drive shaft apool		
7A183	Pilot light socket assembly		
	No. 47 Pilot light		