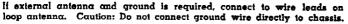
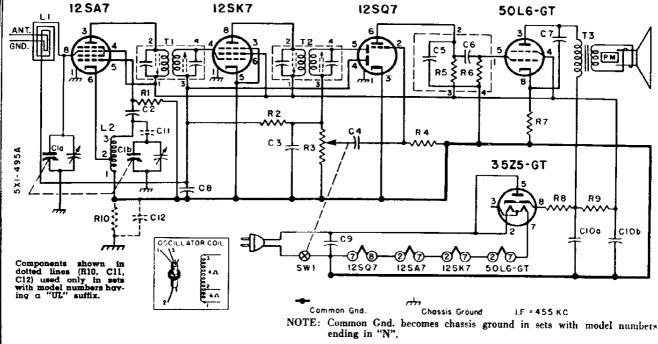
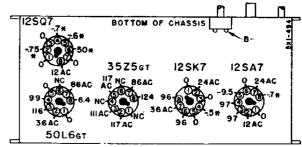
MODELS 5X11, 5X12, 5X13, 5X14; Ch. 5X1





## VOLTAGE DATA

- All readings made between tube socket terminals and B minus (terminal of On-Off switch).
- Dial turned to low frequency end; volume control at
- Measured on 117 Volts AC line. When measured from DC line, voltages may be slightly lower.
- Voltages measured with Vacuum Tube Voltmeter. Readings taken with a 1,000 ohm per volt meter will be approximately the same except for those marked with an asterisk \* in the voltage chart; these readings will either be lower or practically zero.



If taken with a 1000 ohm-per-volt meter, readings will be either lower or practically zero.

RESISTORS	Symbol Description Part No.			
Symbol Description Part No.	I Co .ui mid., 400 Voits			
R1 22,000 Ohms, 1/2 Watt	C7 .02 mfd., 400 Volts, Paper			
R3 1 Megohm Volume Control	C9 .05 mid., 400 Volts, Paper64B 1-22			
and On-Off switch SW175B 1-25 R4 4.7 Megohms, ½ Watt	C10b 30 mfd., 150 volts   Elect67A 10			
*R5 470,000 Ohms, 1/2 Watt *R6 470,000 Ohms, 1/2 Watt	C11 .05 mid., 400 Volts, Paper			
R7 150 Ohms, 1/2 Watt60B 8-151				
R8 33 Ohms, 1 Watt				
R10 150,000 Ohms, ½ Watt	COILS, TRANSFORMERS, Etc.			
numbers ending in "UL".	Ll Antenna, Loop			
	T2 Coil, Oscillator69A 20-2			
CONDENSERS	T1 Transformer, 1st I.F			
Cla Ant., 0 to 420 mmfd. Gang68B 28	T3 Transformer, Output			
(Dial drum spot welded to gang) C2 50 mmtd., Ceramic	Transformer			
C3 250 mmfd., Ceramic	*Couplate			
C4 .01 mfd., 400 Volts, Paper64B 1-25	(Includes R5, R6, C5, C6)			
<ul> <li>C5, C6, R5, and R6 are contained in a</li> </ul>	multiple-unit component called a couplate (part t of the couplate can sometimes be replaced by			

ections correspond to couplate lead numbers printed on face of couplate.

Description	Part No.		
Cabinet			
Ebony (5X11)	34D 26-5		
Mahogany (5X12)			
Ivory (5X13)	34D 26.7		
Mahogany and Gold (5XI4)			
Cartons and fillers	44B 134		
Clip, Elect. Mtg	18A 10-6		
Dial Cord	50A 1-3		
Escutcheon, Diai Scale	23B 47		
Knob, Tuning			
Ebony (5X11)	33A 39.7		
Ivory (5X13)	33A 39-9		
Mahogany (5X12, 5X14)	33A 39-8		
Pointer, Dial (Disc)	25B 34		
Shaft, Tuning	28A 26-1		
Snap Button, Escutcheon Mtg			
Spacer, Tuning Shaft	29A 2-7-71		
Spring, Dial Cord Tension	19B1-2		
Speed Nut (for tuning shaft			
spacer)	2B10-19		
Socket, Tube	87.A 10-2		
Washer, "C" (tuning shaft)	4A4-6-0		
Washer, Felt (Knob)			
Washer, Spring (tuning shaft)	48630		

Washer, Spring (tuning shaft)......4A6-3-0

**MISCELLANEOUS** 

MODELS 5X11, 5X12, 5X13, 5X14; Ch. 5X1

### ALIGNMENT PROCEDURE

- Connect output meter across voice coil.
- Turn receiver volume control full on.
- Use an isolation transformer if available, otherwise connect a .1 mfd. condenser in series with low side of signal generator and attach to B minus (terminal of On-Off switch).

Caution: Do not connect a ground wire directly to chassis.

- Use lowest output setting of signal generator capable of producing adequate output meter indication and then proceed as outlined in chart below.
- Repeat adjustments to insure good results.

#### NOTE

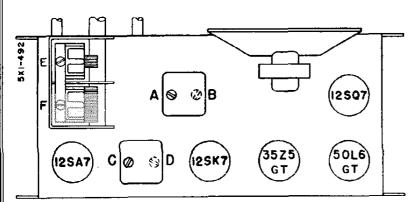
Use a non-metallic alignment tool for IF transformers.

Step	Dummy Antenna in Series with Signal Generator	Connection of Signal Generator (High Side)	Signal Generator Frequency	Receiver Gang Setting	Trimmer Description	Trimmer Designation	Type of Adjustment
1	250 mmfd. condenser	Tuning condenser Antenna stator	455 KC	Gang fully open	2nd lF lst IF	A, B C, D	Maximum Output
2	250 mmfd. condenser	Tuning condenser Antenna stator	1620 KC	Gang fully open	Oscillator (on gang)	E	Maximum Output
3	Loop of several turns of wire (or place generator lead close to receiver loop for adequate signal)		1400 KC	Tune in generator signal	Antenna (on gang)	F	Maximum Output

mount and set diat pointer as shown in rother setting and Diat Cold Stringing Diagr

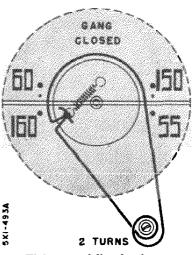
NOTE: Adjustments B and D are made from underside of chassis.

## TUBE AND TRIMMER LOCATION



Adjustments B and D are made from underside of chassis.

# POINTER SETTING AND DIAL CORD STRINGING



With gang fully closed, set pointer in horizontal position.