

IF = 455 KC  
CHASSIS - GND. =

**ALIGNMENT PROCEDURE**

Check tuning mechanism and pointer adjustment to see that the pointer travels to each pointer travel stop I and J (see stringing diagram). With the pointer at J, adjust G and H until the tuning slugs extend 1-1/8" out of their coil forms.

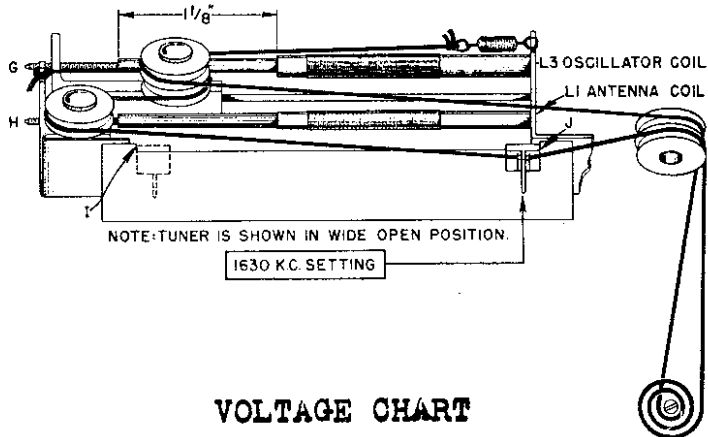
Set receiver tuning mechanism at J (wide open) and volume control full on. Connect an output meter (with series DC blocking condenser) from the 50B5 plate (pin #5) to chassis. Connect signal generator output to the 12BE6 grid (pin #7) through .1 mfd.

Set generator to 455 KC and adjust slugs at top and bottom of both round I.F. transformers for maximum.

Connect signal generator to receiver antenna lead through 100 mmfd. and set generator to 1630 KC. Adjust oscillator trimmer (nearest end of chassis) for maximum. Set generator to 540 KC, set receiver tuning mechanism closed and adjust G (oscillator slug) for maximum. Repeat both adjustments.

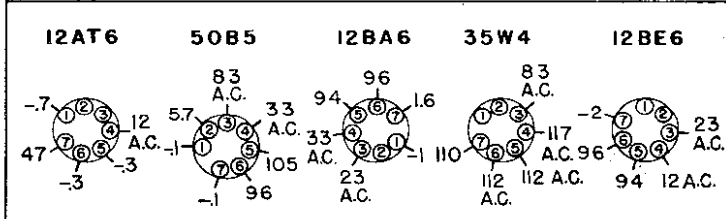
Set generator to 1630 KC, set receiver tuning mechanism at J and adjust antenna trimmer (one inch from end of chassis) for maximum. Set generator to 1300 KC, tune in generator on receiver and adjust H (antenna slug) for maximum. Repeat both adjustments.

**STRINGING & ALIGNMENT DIAGRAM**



**VOLTAGE CHART**

AC LINE • USE VTVM • MEASURE TO CHASSIS



Symbol	CONDENSERS	Part No.
C1	.00035 Mfd. Mica	65B 5-24
C2	.002 Mfd. Mica	65B 5-37
C3	105 Mmfd. Ceramic	65B 6-9
C4	105 Mmfd. Ceramic	65B 6-9
C5	105 Mmfd. Ceramic	65B 6-9
C6	105 Mmfd. Ceramic	65B 6-9
C7	.05 Mfd. 150 Volts	64A 4-3
C8	.00025 Mfd. 500 Volts	64A 3-3
C9	.002 Mfd. 500 Volts	64A 3-6
C10	.0005 Mfd. 500 Volts	64A 3-4
C11	.005 Mfd. 500 Volts	64A 3-9
C12	.002 Mfd. 500 Volts	64A 3-6
C13	.05 Mfd. 400 Volts	64A 4-1
C14a	30 Mfd. 150 Volts) Electrolytic	67A 11
C14b	20 Mfd. 150 Volts)	
C15a	150 Mmfd. (Osc.)	
C15b	120 Mmfd. (Osc.)	68A 14
C16	150 Mmfd. (Ant.)	
C17	75 Mmfd. Ceramic	65B 6-11
C17	100 Mmfd. Ceramic	65B 6-3

Symbol	COILS AND TRANSFORMERS	Part No.
L1	Coil, Antenna	AC105-3
L2	Coil, Cathode Choke	AC103-7
L3	Oscillator Coil assembly	AC101-5
T1	Transformer, I.F.	72B 14
T2	Transformer, I.F. 2nd	72B 14
T3	Output Transformer	72A 2

Symbol	RESISTORS	Part No.
R1	22,000 Ohms 1/4 Watt	60B 26-223
R2	1 Megohm 1/4 Watt	60B 26-105
R3	10 Megohms 1/4 Watt	60B 26-106
R4	220,000 Ohms 1/4 Watt	60B 26-224
R5	500,000 Ohms 1/4 Watt	60B 28-584
R6	150 Ohms 1 Watt	60B 28-1
R7	1,000 Ohms 1 Watt	60B 28-5
R8	1/2 Megohm Volume Control & ON-OFF Switch	75B 1-4
R9	330 Ohms 1/4 Watt	60B 26-331
R10	1.8 Megohms 1/4 Watt	60B 26-155
R11	3.3 Megohms 1/4 Watt	60B 26-335
R12	33 Ohms 1 Watt	60B 28-6

Description	MISCELLANEOUS	Part No.
Spring, Dial Cord Tension		19A 1-4
Spring, Hairpin for Coil Mounting		19A 2-1
Tuner Assembly, Complete		all70
Washer ("C"), for tuning shaft		4A 4-1

Description	MISCELLANEOUS	Part No.
Cabinet, Ivory (7T03E)		34C 4-1
Cabinet, Mahogany (7T03M)		34C 4-2
Cabinet, Black (7T03C)		34C 4-3
Cabinet, Back (includes line connector and cord)		all12
Carriage Slug Mounting (with pulley)		96A 36-1
Dial Background		22A 6
Dial Cord (24")		60A 1-3
Dial Pointer		25A 17
Dial Scale		21B 3
Guide Rod, Slug Travel		28A 5
Knob, Ivory		33A 3-3
Knob, Mahogany		33A 3-2
Knob, Black only		33A 3-5
Pilot Light Bulb #47		61A 1-8
Plug, A.C., Male (assembly includes chassis back-plate)		all69
Plug, Coil Mounting		32A 3-1
Shaft, Tuning		28A 4-1
Slug, Tuning (specify color code of old slug)		71B 1-1
Socket, Pilot Light and Leads 10" long		82A 2-1
Socket, Tube		67A 3-3
Speaker		76B 11
Speaker Grille Overlay (Ivory)		23C 1-1
Speaker Grille Overlay (Red)		23C 1-2
Speaker Grille Overlay (Green)		23C 1-3
Speed Nut, for Guide Rod		2A 10-1