

ALIGNMENT PROCEDURE

1. Disconnect Loop Antenna leads from clips on set and remove chassis from cabinet.
2. Make alignment using a battery whenever possible.
3. Connect a fresh battery to the set.

IMPORTANT: Check dial drum position on shaft. Tuner arm should just complete downward travel when gang is fully meshed. At this point, tuner arm should be on short flat part of cam. Check pointer. It should be at last dial scale mark just below 550 K.C. when gang is fully meshed. If not, move pointer on dial cord.

Step	Dummy Antenna Used in Series with Signal Generator	Connect High Side Signal Generator to	Signal Generator Frequency	Receiver Gang Setting	Trimmer Designation and Description	Type of Adjustment
(1)	.00025 Mfd. when using A.C. .1 Mfd. when using Battery	Grid of 1R5 (Pin 6)	455 K.C.	Any point where it does not affect Signal	2nd I.F. 1st I.F.	Maximum Deflection Then repeat
(2)	.00025 Mfd. when using A.C. .1 Mfd. when using Battery	Stator lug of rear variable condenser section	1620 K.C.	Tuning Gang Wide Open	Oscillator Trimmer	Maximum Deflection
(3)	.00025 Mfd. when using A.C. .1 Mfd. when using Battery	Stator lug of rear variable condenser section	1400 K.C.	Tune in Generator Signal	R.F. Slug	Maximum Deflection
(4)	Replace Set in Cabinet					
(5)	.00025 Mfd.	Antenna and Ground Leads	1400 K.C.	Tune in Generator Signal	Antenna Trimmer	Maximum Deflection

RESISTORS

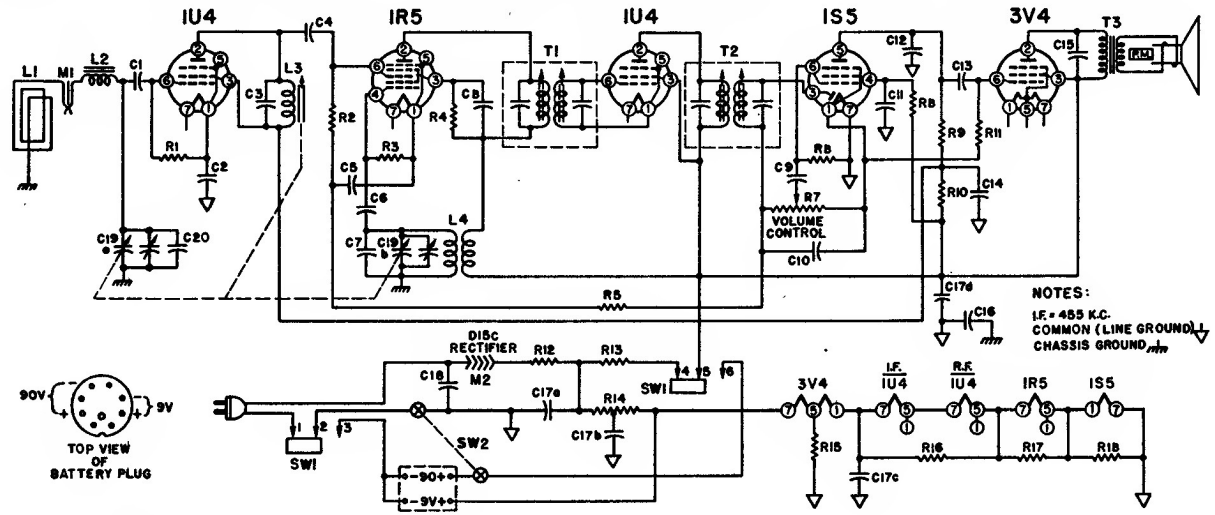
Symbol	Description	Part No.
R1	2.2 Megohms, 1/4 Watt	60B 3-225
R2	1 Megohm, 1/4 Watt	60B 3-105
R3	100,000 Ohms, 1/4 Watt	60B 3-104
R4	18,000 Ohms, 1/3 Watt	60B 2-183
R5	3.3 Megohms, 1/4 Watt	60B 2-335
R6	10 Megohms, 1/4 Watt	60B 3-106
R7	1 Megohm Volume Control and Switch SW2 (DPST)	75B 1-18
RB	4.7 Megohms, 1/2 Watt	60B 2-475
R9	470,000 Ohms, 1/4 Watt	60B 3-474
R10	10,000 Ohms, 1/4 Watt	60B 3-103
R11	2.2 Megohms, 1/4 Watt	60B 3-225
R12	47 Ohms, 1 Watt	60B 14-470
R13	2700 Ohms, 1 Watt	60B 14-272

R14	2600 Ohms, 5 Watt	61A 6-1
R15	1500 Ohms, 1/4 Watt	60B 2-152
R16	820 Ohms, 1/4 Watt	60B 2-821
R17	220 Ohms, 1/4 Watt	60B 2-221
R18	150 Ohms, 1/4 Watt	60B 2-151

CONDENSERS

C1	.250 Mmfd., Mica	65B 7-22
C2	.25 Mfd., 200 Volts, Paper	64B 1-28
C3	.420 Mmfd., Mica	65B 1-13
C4	.250 Mmfd., Mica	65B 7-22
C5	.01 Mfd., 400 Volts, Paper	64B 1-25
C6	.100 Mmfd., Mica	65B 7-17
C7	.15 Mmfd., Ceramic	65B 6-18
C8	.01 Mfd., 400 Volts, Paper	64B 1-25

C9	.01 Mfd., 400 Volts, Paper	64B 1-25
C10	.250 Mmfd., Mica	65B 7-22
C11	.01 Mfd., 400 Volts, Paper	64B 1-25
C12	100 Mmfd., Mica	65B 7-17
C13	.01 Mfd., 400 Volts, Paper	64B 1-25
C14	4 Mfd., 150 Volts, Electrolytic	67A 4-2
C15	.002 Mfd., 600 Volts, Paper	64B 1-14
C16	.1B Mfd., 200 Volts, Paper	64A 2-2
C17a	50 Mfd., 150 Volts, Elect.	} 67C 7-5
C17b	20 Mfd., 150 Volts, Elect.	
C17c	200 Mfd., 25 Volts, Elect.	
C17d	20 Mfd., 150 Volts, Elect.	} 68B 6
C18	.05 Mfd., 400 Volts, Paper	
C19a	0 to 420 Mmfd., Gang	} 65B 6-24
C19b	0 to 162 Mmfd., Gang	
C20	10 Mmfd., Ceramic	



NOTES:
1F = 485 K.C.
COMMON (LINE GROUND)
CHASSIS GROUND