

MODEL PR-1,
RADIOETTE

ALAMO ELECTRONIC CORP.

SERVICE DATA

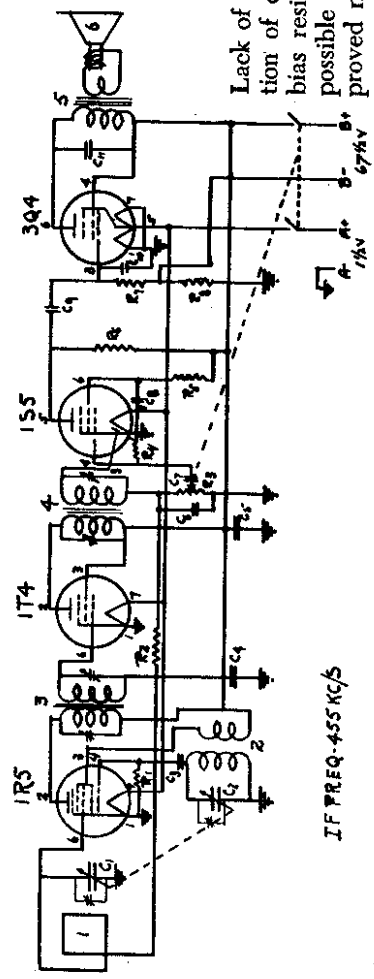
Lack of sensitivity and poor tone quality may be due to any one or a combination of causes such as weak or defective tubes or speaker, open or grounded bias resistor, bypass condenser, etc. Never attempt to realign set until other possible sources of trouble have been thoroughly investigated and definitely proved not to be the cause.

NOTE: IT IS ABSOLUTELY NECESSARY THAT AN ACCURATELY CALIBRATED OSCILLATOR WITH SOME TYPE OF OUTPUT MEASURING DEVICE BE USED WHEN ALIGNING THE RECEIVER AND THAT THE PROCEDURE BE CAREFULLY FOLLOWED. OTHERWISE THE RECEIVER WILL BE INSENSITIVE AND THE DIAL CALIBRATION WILL BE INCORRECT. THE TRIMMERS WILL BE REFERRED TO BY THEIR FUNCTION AS INDICATED ON THE PARTS DIAGRAM.

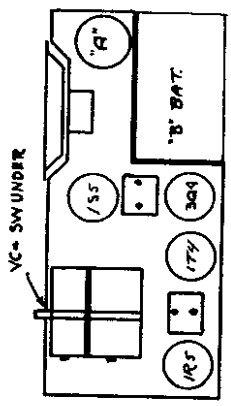
ALIGNMENT PROCEDURE

GENERAL DATA: The alignment of this receiver requires the use of a test oscillator that will cover the frequencies of 455, 1400, 1700 KCS and an output meter to be connected across the primary or secondary of the output transformer. If possible all alignments should be made with the volume control on maximum and the test oscillator output as low as possible. For more accuracy a vacuum tube voltmeter should be used.

1. Couple signal generator to loop loosely using one or two turns of wire connected to signal generator output.
2. Set signal generator of 455 KC and adjust the 4 I.F. trimmers on top of I.F. cans. An output meter may be connected across voice coil but we suggest for more accurate alignment that a vacuum tube voltmeter be connected between ground and tie lug connecting return lead of loop.
3. The oscillator trimmer should next be set so that a 1700 KC signal comes in at minimum setting of condenser. (Plates all out.)
4. The R.F. trimmer should be set at 1400 KC. It is suggested that it be adjusted with both batteries in case and chassis as near in the case as possible, and still adjust trimmer; as the chassis affects inductance of loop.



TYPE - Four tube battery operated superheterodyne.
 BATTERIES USED: "A" battery standard flashlight cell.
 Eveready 950, Burgess 2R or equivalent.
 "B" battery 67 1/2 volt - Eveready 467, Burgess, XX45 or equivalent.
 TUNING RANGE: 540 to 1700 KCS.
 TUBES USED: 1R5 - 1T4 - 1S5 - 3Q4
 WARRANTY: This receiver carries the standard RMA guarantee.



PARTS LIST	
PART NO.	Description
R1	100,000 ohms
R2	2.2 meg
R3	1 meg V.C. & D.P.S.T. switch
R4	8.2 meg
R5	3.3 meg
R6	1 meg
R7	.5 meg
R8	510 ohm
C1, C2	2 BANK condenser
C3	50 UUF mica
C4, C8	.02 paper condenser
C5	10 MFD 99 volt
C6, C10	100 UUF mica
C7, C9, C11	.005 paper condenser
1. loop (in case) 2. Oscillator 3. 1st I.F. 455 KCS 4. 2nd I.F. 455 KCS 5. Output Transformer 6. 3" P.M. - 1 oz. Magnet	
ALL RESISTORS 1/4 WATT AND ALL CONDENSERS 400 VOLT UNLESS OTHERWISE MARKED.	