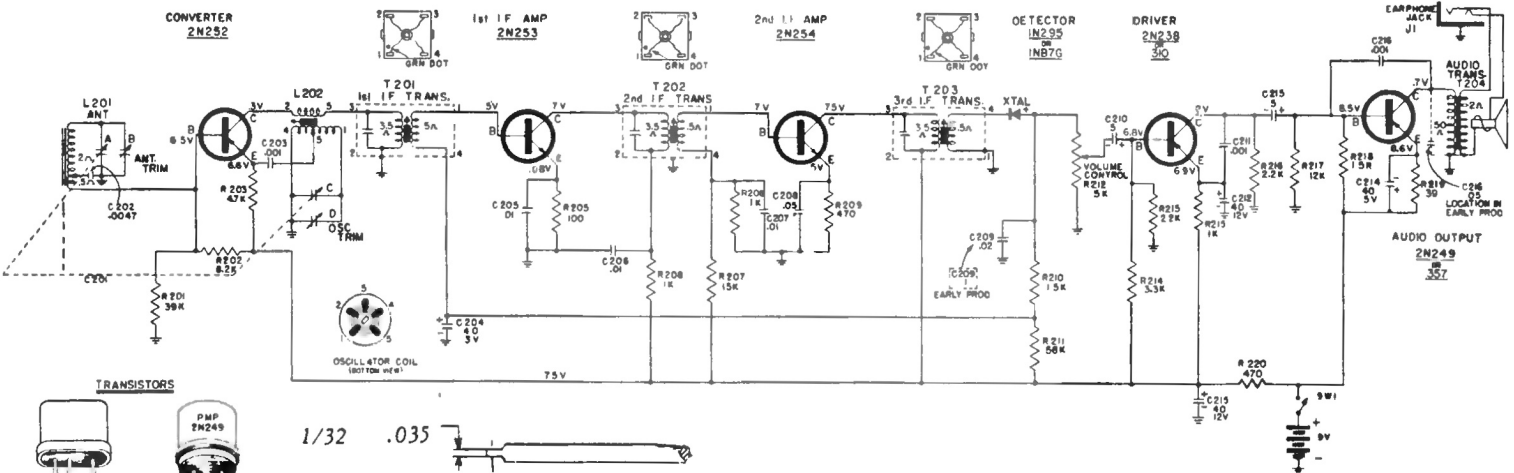


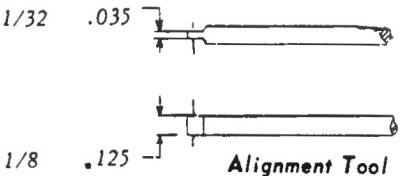
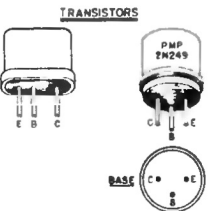
Westinghouse

Chassis V-2278-2, used in
Models H-610P5, H-611P5, H-612P5

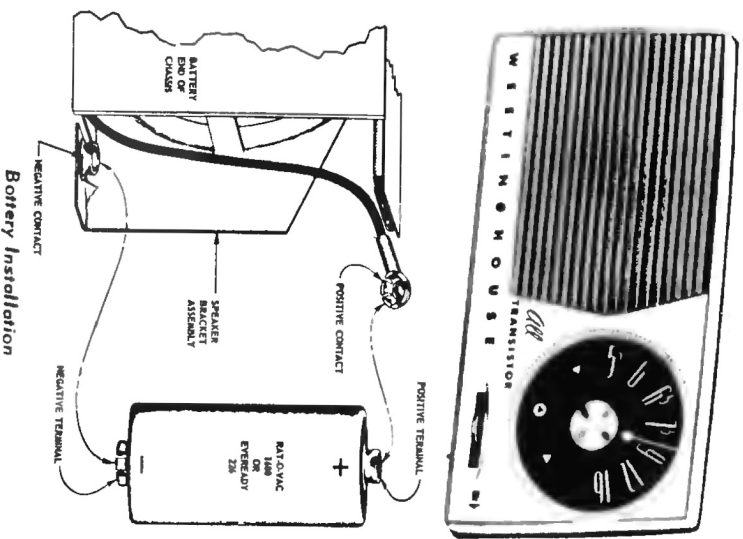


NOTE:

1. DURING SERVICING TOTAL BATTERY CURRENT SHOULD BE METERED. WITH NO SIGNAL AND VOLUME CONTROL AT MINIMUM TOTAL BATTERY DRAIN APPROX 18 MA
2. VOLTAGE MEASUREMENTS MADE WITH A VTVM FROM POINTS INDICATED TO GND. WITH TUNING CAPACITOR AT MAXIMUM, VOLUME CONTROL AT MINIMUM, BATTERY SOURCE AT 9 VOLTS



Alignment Tool



IF ALIGNMENT REQUIREMENTS

1. Form a 4 or 5 turn loop of wire and connect across the signal generator output cable.
2. Signal generator capable of covering frequencies of 455 KC and the entire broadcast band with provisions for modulation.
3. VTVM or output meter.
4. Keep the output of the signal generator low enough just to give an indication on the VTVM or output meter. If the peak is broad or double peak occurs when rocking the IF slug adjustment, the signal generator output is excessive. Either further decoupling of the generator loop or decreasing the generator output is necessary.
5. Set the volume control and tuning capacitor to maximum.

Loosely couple signal modulated from the generator to:

Loop L 201	455 KC	Connect VTVM or output meter across the voice coil and adjust.
		T203, T202 and T201 in order indicated for max. output
		Reduce generator output if necessary for T202 and T201 adjustments.*

*It is recommended that a fiber aligning tool that snugly fits the slot in the ferrite core be used to prevent chipping of the slot.

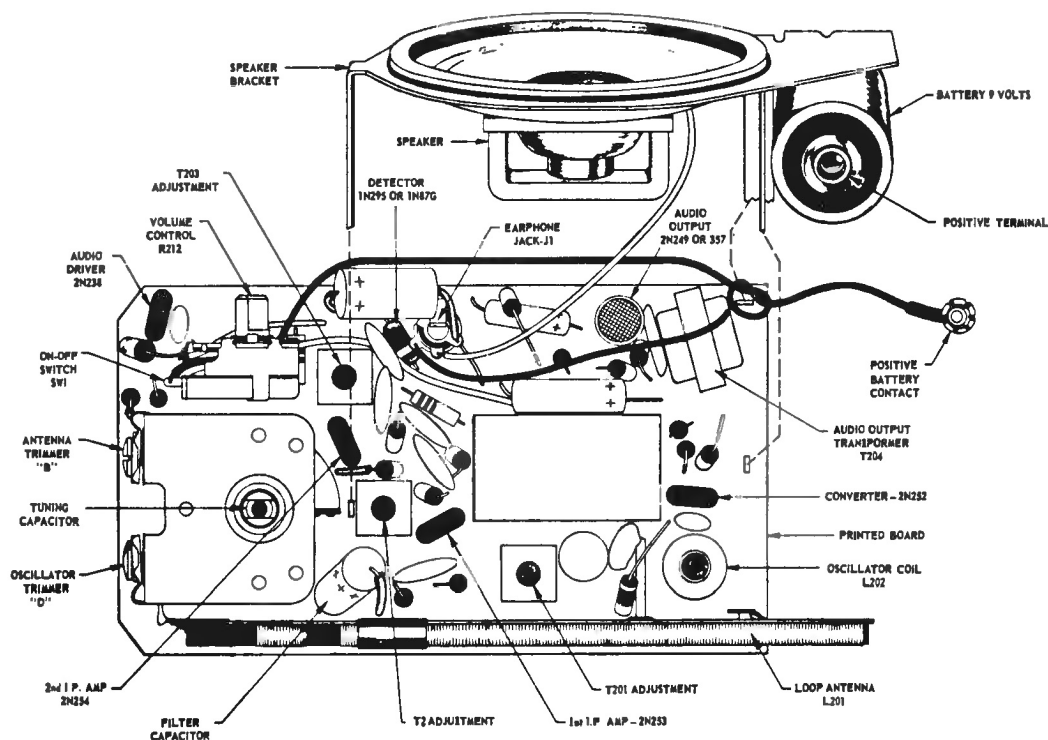
RF ALIGNMENT REQUIREMENTS

1. Steps 1, 2 and 3 also apply as in the IF alignment.
2. Keep the output of the signal generator low enough just to give an indication on the VTVM or output meter.
3. Set the volume control to maximum.

Loosely couple modulated signal, from generator to:	Generator Frequency	C201 Setting	Connect VTVM or output meter across voice coil and adjust for max. output
Loop L 201	1625 KC	Min.	Oscillator Trim. "P"
" "	1400 KC	1400 KC	Antenna Trim. "B"

Caution: Be sure during RF Alignment that the hand or any objects on the bench do not come in close contact with the antenna loop or detuning will occur and alignment will be incorrect.

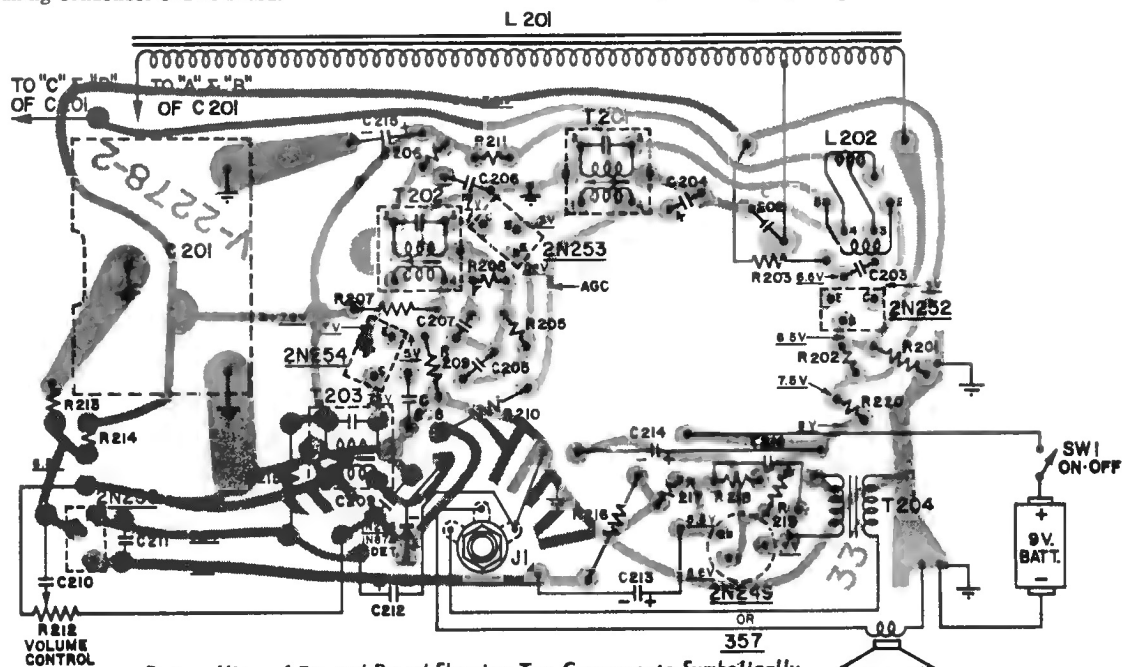
WESTINGHOUSE Chassis V-2278-2, Models H-610P5, H-611P5, H-612P5



Top View Ports Layout

BOARD REMOVAL

1. Remove the screw located in center of the tuning knob. Turn the dial to the high frequency end and grip the tuning knob with one hand. Remove the screw by turning it in a counter clockwise direction. Do not cause any undue strain on the tuning capacitor.
2. Remove back of cabinet by loosening coin-slot screw on back. Remove the $\frac{1}{4}$ " self tapping screw located at tuning condenser end of board.
3. Hold radio in the palm of the hand with the open back side up. Grip the board with the other hand and slide it down towards the tuning capacitor end of the cabinet, until the upper end of the speaker bracket is free of the plastic lip. Now raise this end of the board over lip and slide it out of the cabinet.
4. To insert the board into the cabinet use the reverse procedure, being careful to lock the speaker bracket under both recesses provided in the cabinet front.



Bottom View of Printed Board Showing Top Components Symbolically