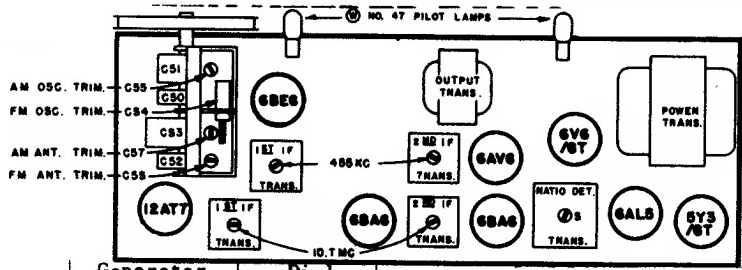


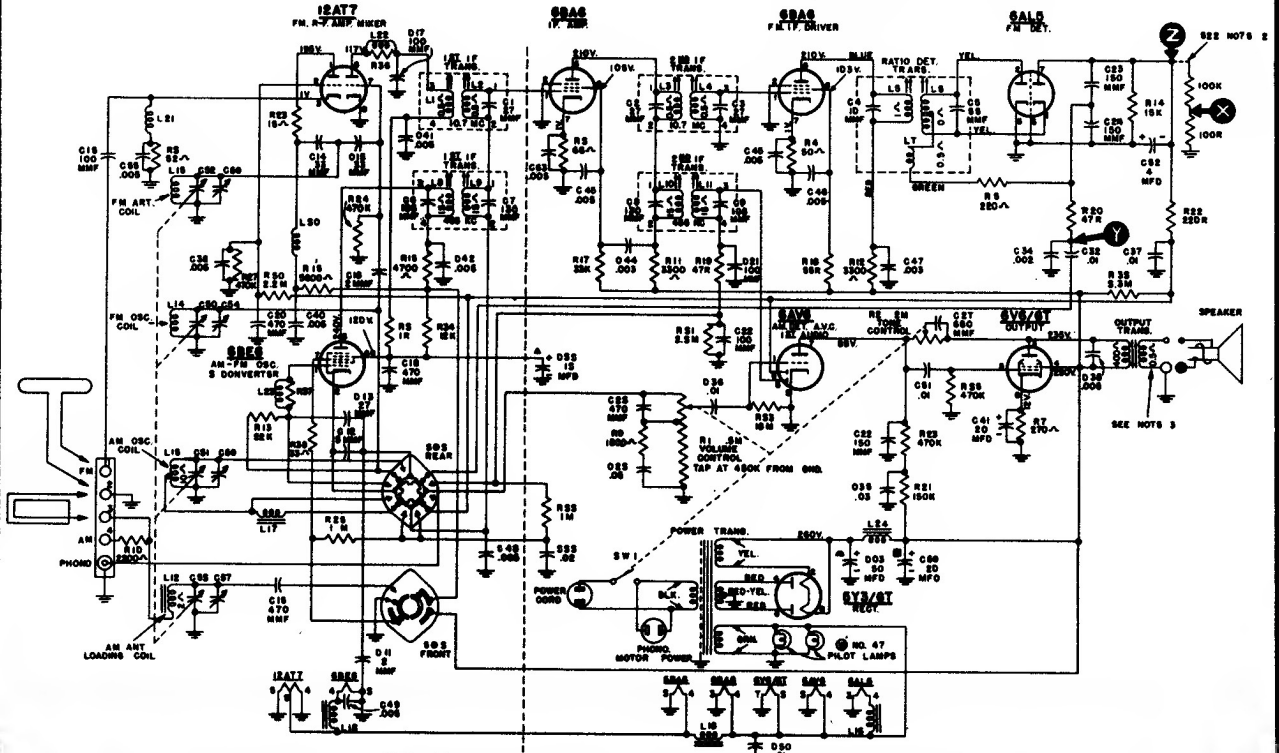
Westinghouse Electric

Model H-199
Chassis V-2137-1

F.M. Alignment



Step	Connect Signal Generator to —	Generator Frequency	Dial Setting	Adjust
1	Set the band switch to FM.			
2	Connect two 100,000 ohm resistors (the resistances must be equal within 5 percent) between pin #7 of the 6AL5 tube and ground as shown on the schematic diagram.			
3	Connect a V.T.V.M. between points "X" and "Y" (see schematic diagram).			
4	Stator of FM ant. section (C52) on tuning capacitor through a .01 mfd mica	10.7 mc.	maximum capacity	Sec. of ratio det. trans. for zero (use medium strength signal)
5	Connect the V.T.V.M. between point "Z" and ground.			
6	Same as step 4	10.7 mc.	maximum capacity	Pri. of ratio det. trans. and pri. and sec. of 10.7 mc. 1st and 2nd I-F trans. for max.
NOTE: The pri. of the ratio det. trans. peaks in two places. Use the peak with the slug farthest out.				
7	Reconnect the V.T.V.M. between points "X" and "Y", and increase the signal strength 2 times.			
8	Same as step 4	10.7 mc.	maximum capacity	Recheck sec. of ratio det. trans. for zero voltage
9	Reconnect the V.T.V.M. between point "Z" and ground.			
10	Same as step 4	10.7 mc.	maximum capacity	Pri. of ratio det. trans. for maximum voltage
11	Remove the two 100,000 ohm resistors that were inserted in step 2.			
12	FM ant. terminal through a 300 ohm non-inductive resistor	105 mc.	105 mc.	FM oac. trimmer (C54) for maximum output
13	Same as step 12.	105 mc.	105 mc.	FM ant. trimmer (C56) for maximum output



NOTE: 1. SWITCH SW2 IS SHOWN IN EXTREME COUNTER CLOCKWISE POSITION SO FM BAND. FIRST POSITION CLOCKWISE IS AM BAND. SECOND POSITION CLOCKWISE IS PHONO. 2. TO BE INSTALLED FOR ALIGNMENT ONLY.

3. VOICES COIL DISCONNECTED. 4. ALL VOLTAGES MEASURED FROM CHASSIS (GND) USING A 20,000 OHM/VOLT METER. LINE VOLTAGE 117 T.A.C. VOLTAGES SHOULD BE AS SHOWN ± 20 PER CENT.