



FREQUENCY RANGES ALIGNMENT FREQUENCIES
Band A.....526 to 4750 KC. 1500 KC.; 600 KC.

Type.....	Class A
Undistorted.....	3.0 Watts
Maximum.....	3.5 Watts

Number of R.F. Stages.....One
Number of I.F. Stages.....One
Number of Cond. in Gang.....Three
Antenna.....Conventional or Doublet
456 KC. Wave Trap

Models 4486, 4586, 4586-A..105-135 volts, 50-60 cycle, 100 watts
Model 4586-B.....105-135 volts, 25 cycle, 100 watts

Occasionally you may receive a complaint of microphonism or howl on the short wave band, in the models 4486, 4586, 4586-A or 4586-B receivers, having factory identification number 100156. In such cases, first make a careful test of all tubes, eliminating those which are microphonic, and other parts which might cause howl if defective. A good ground must be used. It is also advisable to see that the control knobs are not jammed too tightly against the cabinet front. If microphonics or howl is not caused by defective parts or any of the above items, it can usually be eliminated or greatly reduced by making the following circuit changes.

1. Disconnect and remove the 110,000 ohm, 1/4 watt carbon resistor which is connected from the junction of the two 510,000 ohm grid resistors in the grid circuits of the output stage, to the center tap of the power transformer. This resistor will be found only in receivers carrying changes shown in supplement No. 1 of bulletin 57 RL 26. In receivers where this resistor is not present the lead between the junction of the two grid resistors and the center tap should be removed. The junction point referred to should then be connected to ground.
2. Short out the R-18A section of the candohm bias resistor strip.
3. (a) Open the cathode connections to ground on both of the 6F6 output tubes.
(b) Connect the two cathode terminals, of the 6F6 output tubes, together.
(c) From the cathode terminal, of either of the 6F6 output tubes, connect a 270 ohm 2 watt resistor to ground. The value given for this resistor is quite critical.