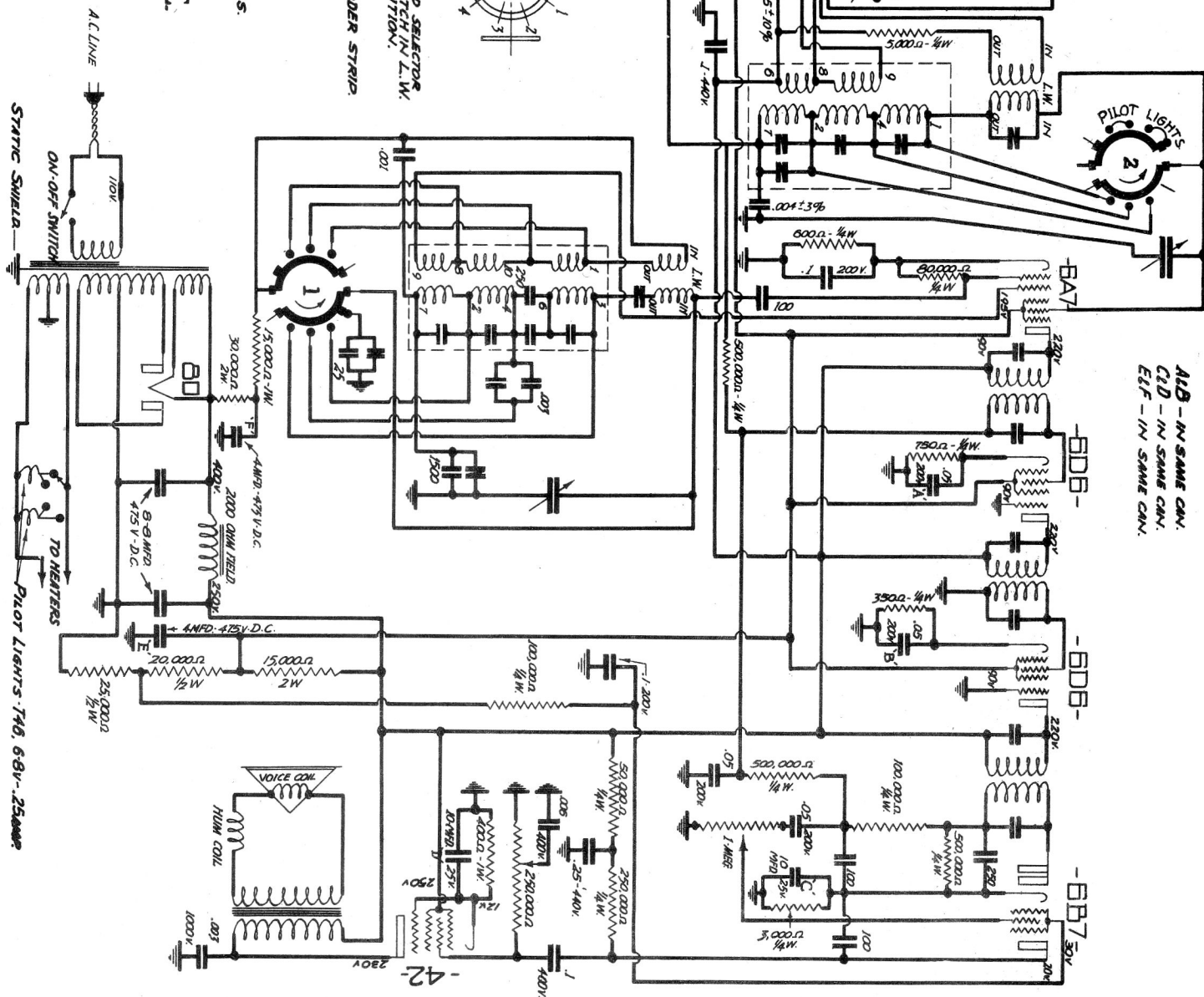
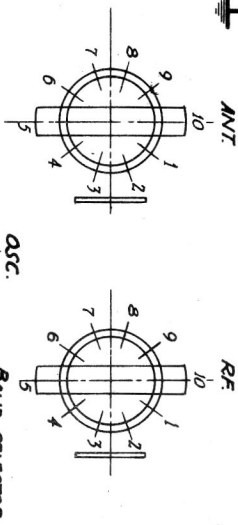


# MODEL-A7

1935-36

I.F. = 470 K.C.

BOTTOM VIEW OF COILS



6B6 - IN SAME CAN.  
6B7 - IN SAME CAN.  
6AV7 - IN SAME CAN.

DATA SHEET

PRINTED IN CANADA

COURTESY

ANDREA-2

I.F.=470K.C.



**I.F. ADJUSTMENTS:** Connect signal generator in series with .1 mfd. condenser to grid of 6A7 tube. Set generator to 470 K.C. Adjust trimmers on top of first, second and third I.F. transformers.

**SHORT WAVE BAND "U":** Rotate band selector switch fully to the right. Connect signal generator in series with 400 ohm resistor and attach to receiver antenna lead (RED); receiver ground wire connected to generator ground.

Set generator 20,000 K.C. and station selector knob to 20 m.c.  
Rotate station selector until signal is heard. Align antenna and  
R.F. shunt trimmers, constantly rotating the gang condenser  
throughout adjustments.

Change generator to 10,000 K.C. and rotate selector knob until signal is heard. Adjust oscillator series condenser, rotating the gang condenser during adjustment. Recheck at 20 m.c.

SHORT WAVE "S" BAND: Set generator at 8 m.c. and tune receiver to this point. Rotate wavelength selector switch to position marked "S". Align antenna and R.F. trimmer as for Band "U".

Set generator to 3.75 m.c. Rotate station selector knob until signal is heard. Adjust oscillator series condenser as for alignment in Band "B". Recheck at 8 mc/cycles.

**MEDIUM BAND  $\pi$ W:** Replace 400 ohm dummy antenna with .00025 mfd. condenser. Rotate station selector knob to 1400 K.C. Change selector switch to band  $\pi$ W. Reset generator to 470 K.C. Adjust attenuator for maximum output, then adjust 470 K.C. rejection condenser. Reset generator to 1400 K.C. Adjust antenna and R.F. shunt trimmers. Set generator and receiver at 600 K.C. then adjust medium band oscillator series trimmer. Recheck antenna and R.F. at 1400  $\pi$ C.

**1.F. ADJUSTMENT:** Connect signal generator in series with .1 mfd. condenser to grid of 6A7. Set generator to 470 K.C. signal, until a small output deflection on output voltmeter is obtained. Adjust trimmers on top of first and second 1.F. transformers.

**MEDIUM BAND 7M:** Set selector switch at 7M and rotate station selector until gang condenser is all in. Replace .1 mfd condenser with regular dummy antenna or 250 mmfd. condenser, set generator for 470 K.C. and connect to antenna lead (RED); ground lead BLACK, should be connected to ground on signal generator throughout all measurements.

Adjust attenuator on signal generator for maximum input, and adjust 470 K.C. rejection condenser for minimum deflection on output meter. With generator at 1400 K.C. rotate station selector knob until dial reached 214 meters, then adjust antenna and R.F. coil shunt trimmers. Change generator to 600 K.C. and rotate station selector until dial reaches 500 meters. Adjust broadcast oscillator series trimmer (top-hole on chassis side), rotating station selector for maximum output. Recheck antenna and R.F. adjustments at 1400 K.C.

**SHORT WAVE ST BAND:** Move selector switch to right. Replace dummy antenna by a single 400 ohm resistor connected to antenna lead. Set generator at 17000 K.C. and set station selector at 17 mc. Adjust short wave R.F. trimmer, rotating station selector knob slowly for each position of short wave R.F. trimmer adjustment, until maximum output is obtained.