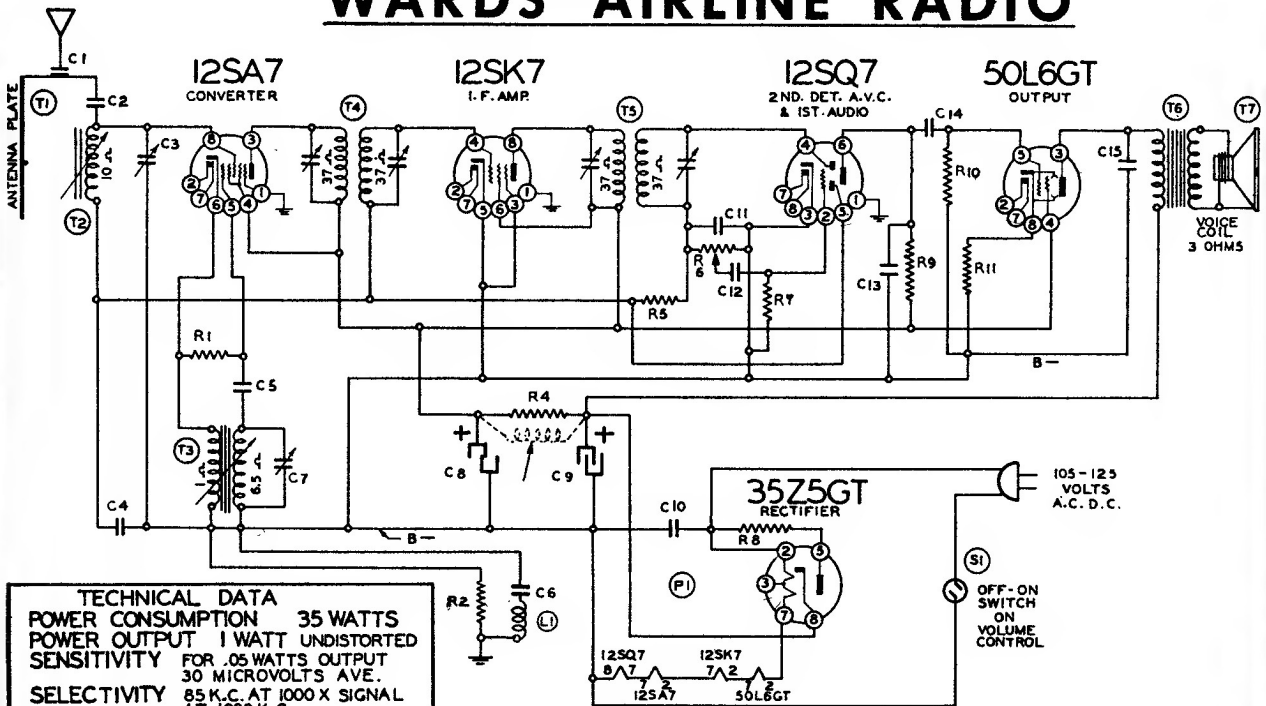


WARDS AIRLINE RADIO



TECHNICAL DATA
POWER CONSUMPTION 35 WATTS
POWER OUTPUT 1 WATT UNDISTORTED
SENSITIVITY FOR .05 WATTS OUTPUT
 30 MICROVOLTS AVE.
SELECTIVITY 85 K.C. AT 1000 X SIGNAL
 AT 1000 K.C.
TUNING RANGE 535 TO 1720 K.C.
INTERMEDIATE FREQUENCY 455 K.C.

CONDENSERS

- C1 BE131262 .0001 washer condenser (antenna clip on back plate)
- C2 BE129114 .0003 mica
- C3 BE124137 Trimmer on antenna coil
- C4 BE1009 .05 x 200 v.
- C5 BE12939 .0005 mica
- C6 BE10091 .15 x 400 v.
- C7 BE124137 Trimmer on oscillator coil
- C8 BE11992 20 Mfd. lytic x 150 w.v.
- C9 BE11992 40 mfd. lytic x 150 w. v.
- C10 BE10013 .05 x 400 v.
- C11 BE12912 .00025 mica
- C12 BE10025 .002 x 600 v.
- C13 BE1292 .0005 mica
- C14 BE10011 .01 x 400 v.

C15 BE10026 .02 x 400 v.

C3 and C7 are in same unit
 C8 and C9 are in same unit

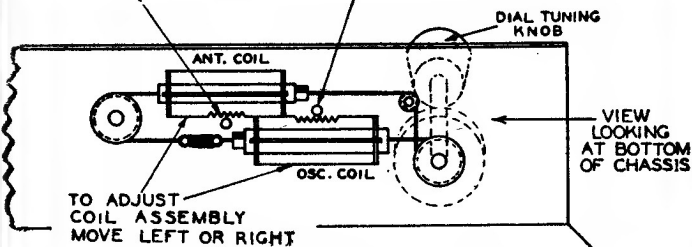
RESISTORS

- R1 BE130176 20M ohm— $\frac{1}{2}$ w.
- R2 BE130100 150M ohm— $\frac{1}{2}$ w.
- R4 BE130279 1M ohm—1 w.
- R5 BE1304 3 megohm— $\frac{1}{2}$ w.
- R6 BE101255 500M ohm—Volume control and switch
- R7 BE130257 5 megohm— $\frac{1}{2}$ w.
- R8 BE130240 30 ohm— $\frac{1}{2}$ w.
- R9 BE130100 150M ohm— $\frac{1}{2}$ w.
- R10 BE13011 250M ohm— $\frac{1}{2}$ w.
- R11 BE130166 150 ohm— $\frac{1}{2}$ w.

PARTS

- T1 BE115597-18 Antenna plate (Walnut) or BE115597-9 Antenna plate (Ivory)
- T2 BE111181 Antenna permeability coil
- T3 BE110153 Oscillator permeability coil
- T4 BE108157-H Input I.F. coil—455 kc.
- T5 BE108157-I Output I.F. coil—455 kc.
- T6 BE105128 Output transformer
- T7 BE114199 4" PM speaker
- or
- T7 BE114259 4" Electrodynamic speaker
- S1 Switch on Volume control
- L1 BE105138 R.F. choke

NOTE "A" THE ANTENNA COIL ASSEMBLY IS MADE SO THAT IT IS MOVABLE LEFT OR RIGHT. WHEN MAKING THE ADJUSTMENT AS GIVEN IN THE ALIGNMENT PROCEDURE MOVE THE COIL ASSEMBLY VERY SLOWLY. IT CAN BE MOVED BY HAND OR BY PIVOTING ONE EDGE OF THE BLADE OF A SCREWDRIVER IN THE HOLE AND ENGAGING THE BLADE IN THE GEAR TEETH OF THE COIL FORM.



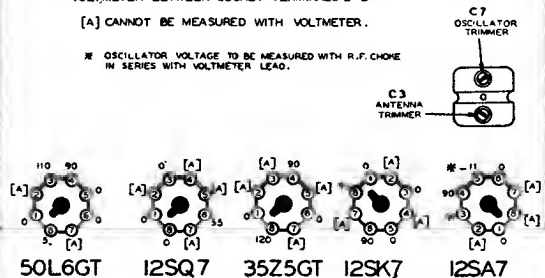
COIL ASSEMBLY VIEW

MODEL 14BR-521A
MODEL 14BR-522A

BOTTOM VIEW OF CHASSIS

VOLTAGES MEASURED WITH A HIGH RESISTANCE VOLTMETER BETWEEN SOCKET TERMINALS & B—
 [A] CANNOT BE MEASURED WITH VOLTMETER.

* OSCILLATOR VOLTAGE TO BE MEASURED WITH R.F. CHOKER IN SERIES WITH VOLTMETER LEAD.



REAR OF CHASSIS
 VOLTAGE CHART