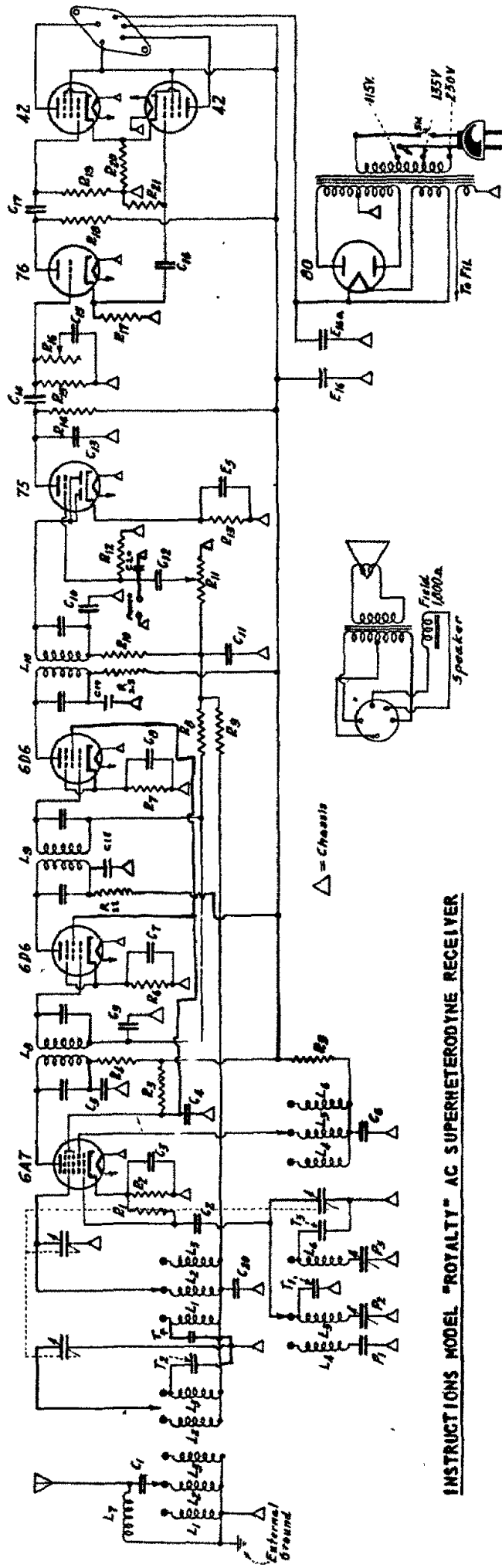


MODEL "ROYALTY"



INSTRUCTIONS MODEL "ROYALTY" AC SUPERHETERODYNE RECEIVER

ANTENNA AND GROUND CONNECTIONS.

An antenna from 50 to 100 feet long is recommended. A good ground wire is absolutely essential on this receiver.

POWER SUPPLY.

This receiver is designed to operate from the 115-135 or 220 A.C. 50 cycle lines. The voltage change is accomplished by removing the cover from the power transformer and connecting the flexible lead to the desired voltage terminal.

LOCATION OF CONTROLS. The knob on the lower left is the on-off switch and volume control. The knob on the lower right is the band switch and the knob directly below the selector knob is the tone control.

OPERATION.

To receive stations from 140 to 350 kilocycles, turn wave band switch to the extreme right position and turn set on by rotating volume control knob to the right. Turn station selector knob to secure desired stations. When tuning in a station, set tuning control carefully to maximum station volume, then adjust volume to desired level with volume control knob. For stations from 1700 to 540 kilocycles, turn band switch knob to center position, and for stations between 15 and 52 meters turn switch to extreme left position.

- L 1 - S.W. ant.
- L 2 - B.C. preselector
- L 3 - L.W. preselector
- L 4 - S.W. oscillator
- L 5 - B.C. oscillator
- L 6 - L.C. oscillator
- L 7 - 456 K.C. trap
- L 8 - input I.F. 456 K.C.
- L 9 - int. I.F. 456 K.C.
- L 10 - output I.F. 456 K.C.

IF PEAK 456 KC.

- P 1 - .004 mica
- P 2 - 260-500 padder
- P 3 - 100-200 padder

- C 1 - .0005 mica
- C 2 - .0001 mica
- C 3 - .1 - 200 v.
- C 4 - .25 - 200 v.
- C 5 - .05 - 400 v.
- C 6 - .05 - 400 v.
- C 7 - .1 - 200 v.
- C 8 - .1 - 200 v.
- C 9 - .02 - 400 v.
- C 10 - .00025 - mica
- C 11 - .00025 - mica
- C 12 - .02 - 400 v.
- C 13 - .00025 - mica
- C 14 - .02 - 400 v.
- C 15 - .005 - 400 v.
- C 16 - .02 - 400 v.
- C 17 - .02 - 400 v.
- C 18 - .05 - 400 v.
- C 19 - .05 - 400 v.
- C 20 - .0001 - mica

R 1	35,000 ohm
R 2	300 "
R 3	40,000 "
R 4	7,500 "
R 5	20,000 "
R 6	1,100 "
R 7	1,100 "
R 8	750,000 "
R 9	750,000 "
R 10	60,000 "
R 11	500,000 vol. cont.
R 12	1,000,000 ohm
R 13	4,500 "
R 14	500,000 "
R 15	300,000 "
R 16	500,000 tone cont.
R 17	60,000 ohm
R 18	60,000 "
R 19	500,000 "
R 20	310 "
R 21	500,000 "
R 22	7,500 "
R 23	7,500 "

- T 1 - 3-30 mmfd.
- T 2 - 3-30 mmfd.
- T 3 - 10-50 mmfd.
- T 4 - 3-30 mmfd.
- E 5 - 5 mfd. 25 v.
- E 16 - 16 mfd. 350 v.
- E 16A - 16 mfd. 450 v.