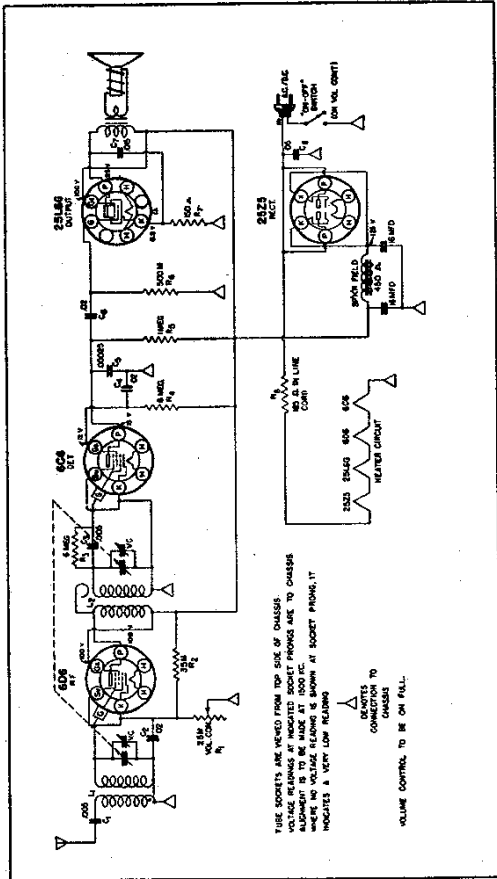
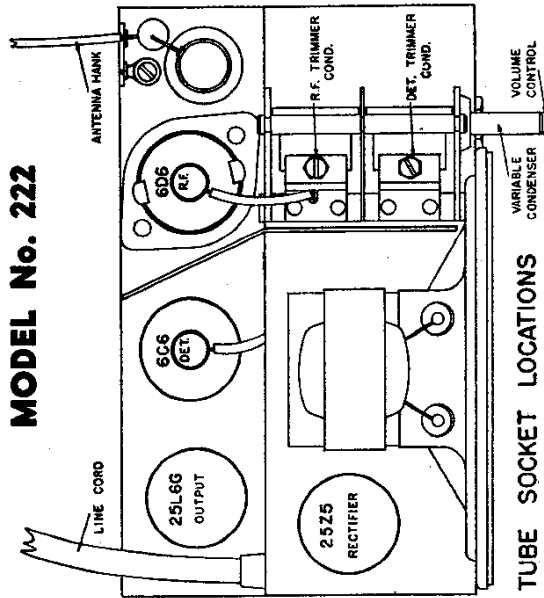


MODEL 222
Schematic Socket
MODEL 250-B
Schematic

AIR-KING PRODUCTS CORP.



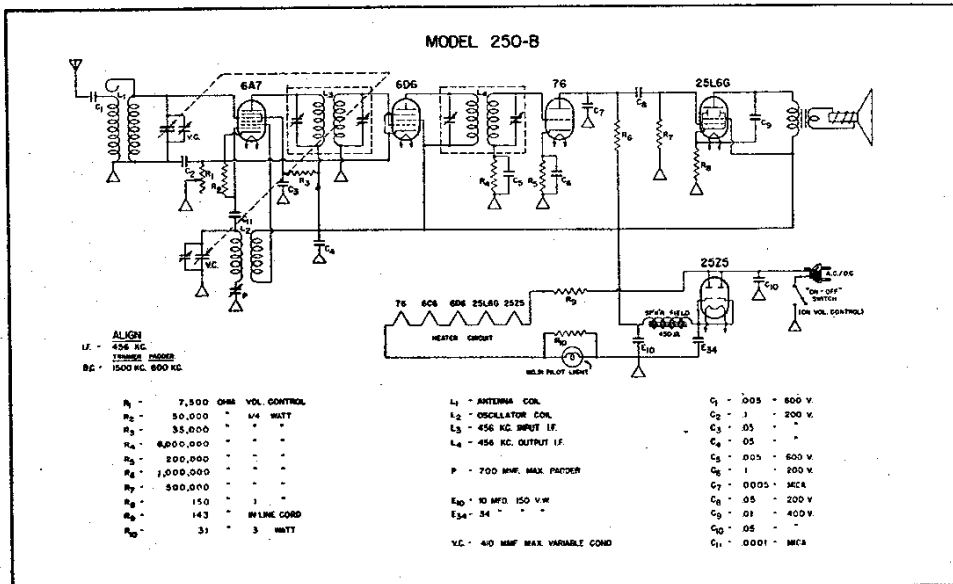
MODEL No. 222



Do not connect ground wire to chassis.

The frequency range covered is 550-1700 kilocycles.

105-125 volts, 50-60 cycles, a.c. or d.c. power



ALIGN
 L1 - 456 KC.
 75MHz Padder
 R2 - 1500 KC. 600 KC.

| | | |
|-----------------|------------|--------------|
| R ₁ | 7,500 OHMS | VOL. CONTROL |
| R ₂ | 50,000 | 10K WATT |
| R ₃ | 35,000 | " |
| R ₄ | 6,000,000 | " |
| R ₅ | 200,000 | " |
| R ₆ | 1,000,000 | " |
| R ₇ | 500,000 | " |
| R ₈ | 150 | " |
| R ₉ | 143 | IN LINE CORD |
| R ₁₀ | 31 | 5 WATT |

- L₁ - ANTENNA COIL
- L₂ - OSCILLATOR COIL
- L₃ - 456 KC. MIXTURE I.F.
- L₄ - 456 KC. OUTPUT I.F.
- P - 700 MHF. MAX. PADDER
- E₁₀ - 10 MFD 150 V.W.
- E₁₄ - 54 "
- V.C. - 40 MHF. MAX. VARIABLE COND.

- C₁ - 205 - 500 V.
- C₂ - 1 - 200 V.
- C₃ - .05 - "
- C₄ - .05 - "
- C₅ - .005 - 500 V.
- C₆ - 1 - 200 V.
- C₇ - 0005 - MECA
- C₈ - .05 - 200 V.
- C₉ - .01 - 400 V.
- C₁₀ - .05 - "
- C₁₁ - .001 - MECA

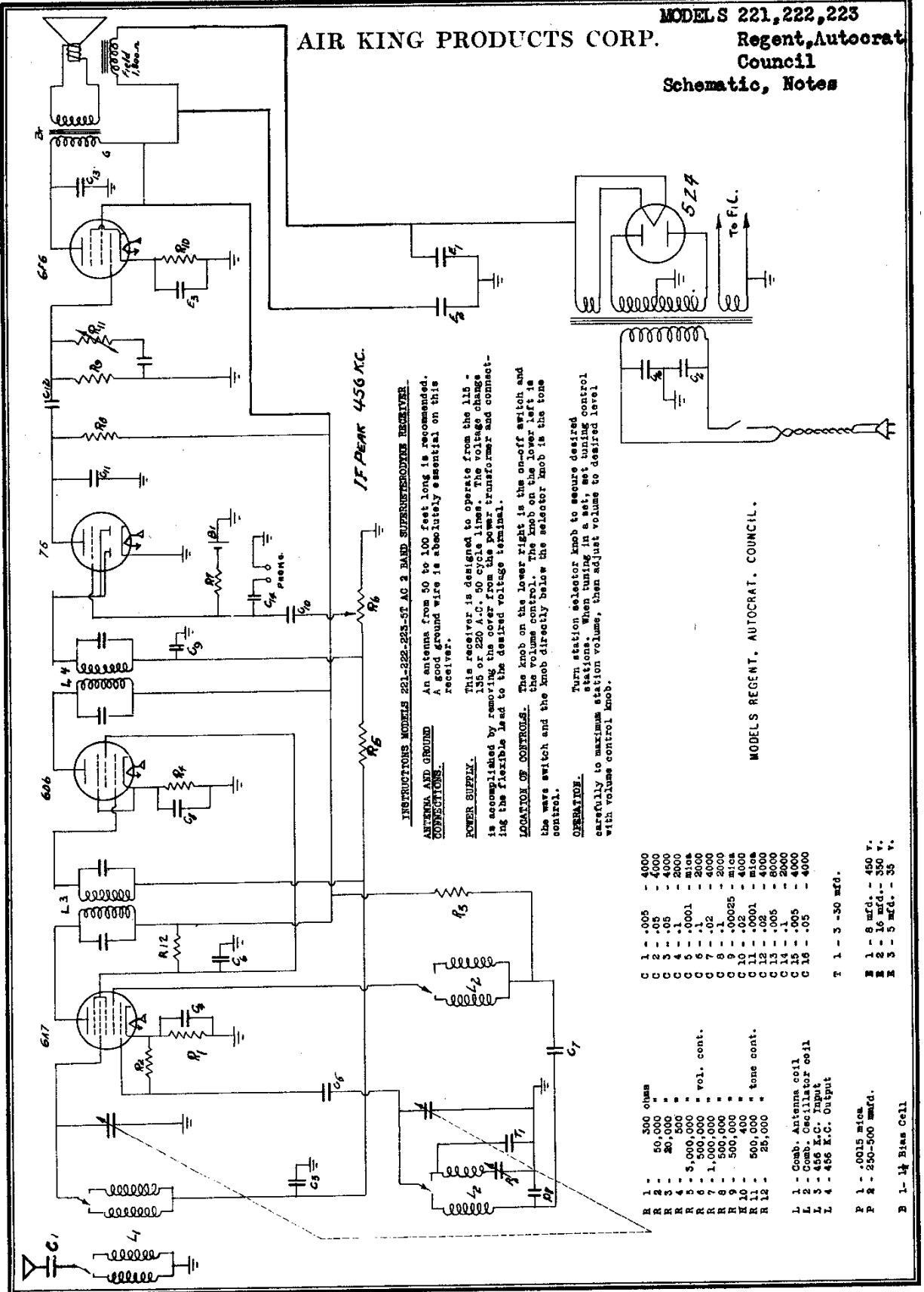
105-125 volts, 50-60 cycles AC or DC

The frequency range covered is 540-1750 kilocycles.

CAUTION - Do Not Connect Ground Wire to Chassis.

AIR KING PRODUCTS CORP.

MODELS 221, 222, 223
Regent, Autocrat
Council
Schematic, Notes



INSTRUCTIONS MODELS 221-222-223-5F AC 2 BAND SUPERHETERODYNE RECEIVER -
ANTENNA AND GROUND
 An antenna from 50 to 100 feet long is recommended. 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 right is the on-off switch and the volume control. The knob on the lower left is the wave switch and the knob directly below the selector knob is the tone control.

OPERATION.
 Turn station selector knob to secure desired stations. When tuning in a set, set tuning control carefully to maximum station volume, then adjust volume to desired level with volume control knob.

- | | | | |
|------|---------|---|------|
| C 1 | -.005 | - | 4000 |
| C 2 | -.05 | - | 4000 |
| C 3 | -.15 | - | 2000 |
| C 4 | -.1 | - | 2000 |
| C 5 | -.0001 | - | mic |
| C 6 | -.1 | - | 2000 |
| C 7 | -.02 | - | 4000 |
| C 8 | -.1 | - | 2000 |
| C 9 | -.00025 | - | mic |
| C 10 | -.02 | - | 4000 |
| C 11 | -.0001 | - | mic |
| C 12 | -.0001 | - | mic |
| C 13 | -.005 | - | 2000 |
| C 14 | -.1 | - | 2000 |
| C 15 | -.005 | - | 4000 |
| C 16 | -.05 | - | 4000 |
- T 1 - 3 - 50 mfd.
- | | | |
|-----|--------|---------------|
| B 1 | -.0015 | mic |
| B 2 | -.16 | mfd. - 350 v. |
| B 3 | -.5 | mfd. - 35 v. |
- R 1 - 300 ohms
 R 2 - 50,000
 R 3 - 20,000
 R 4 - 100,000
 R 5 - 5,000,000
 R 6 - 500,000
 R 7 - 1,000,000
 R 8 - 500,000
 R 9 - 500,000
 R 10 - 400
 R 11 - 500,000
 R 12 - 25,000
- L 1 - Comb. Antenna coil
 L 2 - Comb. Oscillator coil
 L 3 - 456 K.C. Input
 L 4 - 456 K.C. Output
- P 1 - 500-500 mfd.
 P 2 - 250-500 mfd.
 B 1 - 1/4 Bias Cell

MODELS REGENT, AUTOCRAT, COUNCIL.