

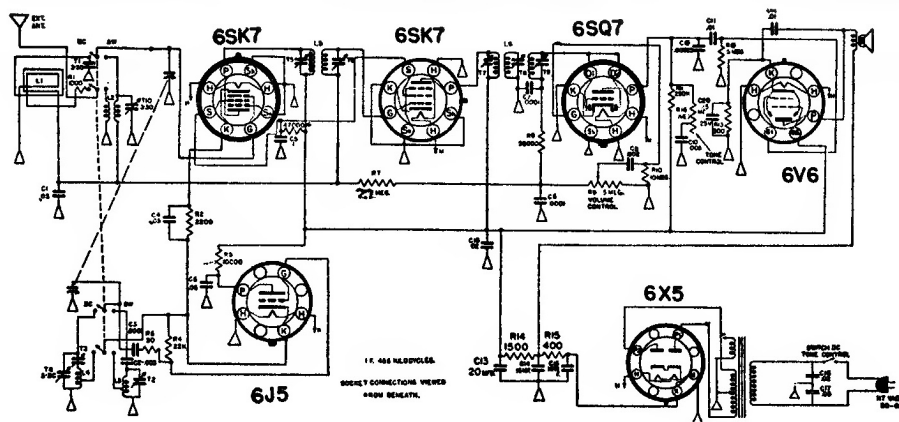
AIR KING PRODUCTS CO., Inc.

Radio Model 4604-A

Model 4604 is similar but uses tube type 7H7 instead of the first 6SK7, a 7B6 instead 6SQ7, and a 7A4 instead 6J5 oscillator.

PARTS LIST

| Schematic Location | Part No. | Description |
|--------------------|----------|---|
| | 457 | Cabinet |
| | 62172 | Cover — back |
| L1 | 28135 | Coil, loop |
| L2 | 28137 | Coil, SW — Ant. |
| L3 | 28138 | Coil, SW osc with trimmer |
| L4 | 28136 | Coil, BC osc with padder |
| C1, C4, C6, C16 | | Condenser, .05 mfd, 400 volts |
| C5 | | Condenser, .1 mfd, 400 volts |
| C9 | | Condenser, .002 mfd, 400 volts |
| C10 | | Condenser, .005 mfd, 400 volts |
| C11 | | Condenser, .01 mfd, 400 volts |
| C12 | | Condenser, .01 mfd, 800 volts |
| C18, C17 | | Condenser, .02 mfd, 400 volts |
| C3, C8, C7 | | Condenser, Mica, .0001 mfd, 400 volts |
| C19 | | Condenser, Mica, .00025 — 400 volts |
| C2 | | Condenser, Mica, .003 — 400 volts |
| | | Variable condenser |
| C13, C14, C15 | 1455 | Condensers, electrolytic, 20 mfd, 16 mfd, 16 mfd, 350 volts |
| C20 | 20105 | Condensers, electrolytic, 25 mf, 25 volts |
| T1, T10, T4 | 1725 | Condenser, trimmers on bracket (3) 3-30 mmfd |
| R9 | 2470 | Control, volume, .5 megohm |
| R16 | 2521 | Control, tone, .25 megohm with switch |
| | 8581 | Cord, power |
| | 4579 | Dial cord |
| | 40109 | Dial scale |
| | 4140 | Dial pointer |
| | 4633 | Dial spring |
| | 39138 | Knob, tone, off-on |
| | 39139 | Knob, SW - BC |
| | 39140 | Knob, tuning |
| | 39141 | Knob, volume |
| | 4911 | Lamp, dial #47 (2) |
| R1 | | 1000 ohm, 1/2 watt |
| R2 | | 2200 ohm, 1/2 watt |
| R3 | | 47 ohm, 1/2 watt |
| R4 | | 22,000 ohm, 1/2 watt |
| R5 | | 10,000 ohm, 1/2 watt |
| R7 | | 2.2 megohm, 1/2 watt |
| R6, R8 | | 47,000 ohm, 1/2 watt |
| R11 | | 220,000 ohm, 1/2 watt |
| R13 | | 300 ohm, 1 watt, wire wound |
| R14 | | 1500 ohm, 1 watt, wire wound |
| R15 | | 400 ohm, 1 watt, wire wound |
| R10 | | 10 megohm, 1/2 watt |
| R12 | | .5 megohm, 1/2 watt |
| | 8107 | Socket, pilot lamp (2) |
| | 3784 | Switch, band, BC - SW |
| | 5846 | Speaker, 5" output transformer |
| | 1089 | Transformer, power * |
| L5 | 3323 | Transformer, I.F. input |
| L6 | 3523 | Transformer, I.F. Output |



ALIGNMENT PROCEDURE

| | |
|--|--------------------------------|
| Output meter connection..... | Across voice coil |
| Output meter reading to indicate 1/2 watt..... | 1.25V for 3.2 Ohm voice coil |
| Connection of generator ground..... | Receiver chassis |
| Generator modulation..... | Approximately 30% @ 400 cycles |
| Position of volume control..... | Fully clockwise |
| Position of tone control..... | High position |

| WAVE BAND SW. | POSITION OF DIAL POINTER | GEN. FREQ. | GEN. CONN. | DUMMY ANT. | TRIMMERS ADJ. IN ORDER SHOW | TRIMMER FUNCT. |
|---------------|--------------------------|------------|------------|-----------------------|-----------------------------|----------------|
| B. C. | 540 kc | 455 kc | 6SK7 Grid | .1 mfd | T9-T7-T8-T6-T5 | I. F. |
| | 1500 kc | 1500 kc | * nota | | T4-T1 | Osc. - Ant. |
| | 600 kc | 600 kc | * note | | T3-Rock Var. Cond. | Osc. - Padder |
| | 1500 kc | 1500 kc | * note | | Readjust T4 | Osc. |
| S. W. | 18 mc | 18 mc | Ant. Post | RMA Standard All Wave | T2 ** | Osc. |
| | 16 mc | 16 mc | Ant. Post | RMA Standard All Wave | T10 | Ant. |

NOTE:

** If two peaks can be had the correct one is with the trimmer screw further out, the other peak is the image.
* Connect a piece of insulated wire to the generator output terminal and place the wire near the loop. Do not make a direct connection.

MODEL #4604-A

AIR-KING PRODUCTS CO., Inc.