

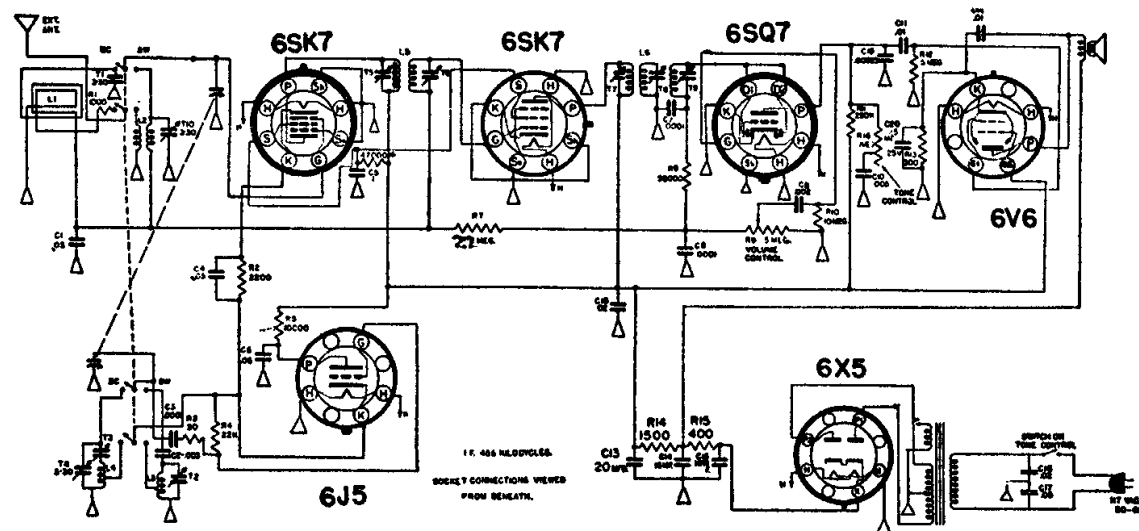
AIR KING PRODUCTS CO., Inc.

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
C	1655	Variable condenser
C13, C14, C15	20102	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
	5866	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

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