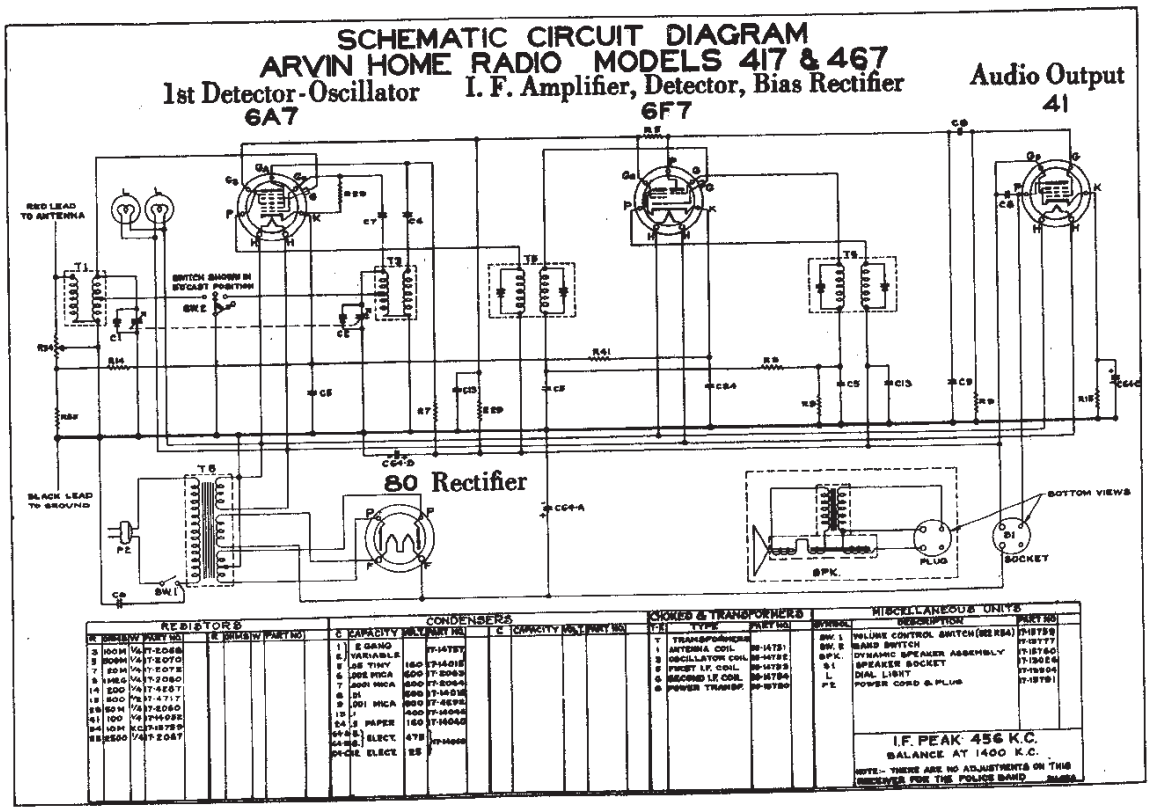
MODELS 417,467
Schematic,Voltage
Resistance,Coils
Parts List

NOBLITT SPARKS INDUSTRIES

SCHEMATIC CIRCUIT DIAGRAM
ARVIN HOME RADIO MODELS 417 & 467



MODEL 417-467 SOCKET VOLTAGES

(INPUT VOLTAGE 115 RMS)

Tube	Heater	Plate	Screen	Cathode	Triode Plate	Anode Grid
6A7	6.3 A. C.	275	98	3.15†	....	200
6F7	6.3 A. C.	275	98	3.75†	32	.....
41	6.3 A. C.	245	278	19.0	....	.....
80	5.0 A. C.	393 A. C.	.....	392.0	....	.....

†Volume control full on.

POINT TO POINT RESISTANCES

All readings taken to ground unless otherwise specified.

Tubes removed and speaker connected.

6A7

Heater	.1 Ω
Heater	.1 Ω
Anode Grid to B+	20,000 Ω
Plate to B+	15 Ω
Screen to B+	50,000 Ω
Cathode	200 Ω
*Control Grid	5 Ω
Oscillator Grid	50,200

*Band Switch set in

6F7

Heater	.1 Ω
Heater	.1 Ω
Plate to B+	15 Ω
Screen to B+	50,000 Ω
Cathode	500 Ω
Control Grid	1,100,000 Ω
Triode Grid	1,000,000
Triode Plate to B+	550,000

41

Heater	.1
Heater	.1
Plate to B+	700 Ω
Screen to B+	0
Cathode	500 Ω
Control Grid	1,000,000

80

Filament to B+	1,600 Ω
Plate	440 Ω
Plate	410 Ω
Plate to Plate	850 Ω
Filament to Filament	.1

COIL, TRANSFORMER AND SPEAKER RESISTANCES

Speaker Field	1,600 Ω
Speaker Voice Coil	.7 Ω
T1 Ant. Primary	12 Ω
T1 Ant. Secondary	5 Ω
T3 Osc. Primary	11.0 Ω
T3 Osc. Secondary	1.4 Ω
T5 1st I. F. Trans. Pri.	15.0 Ω
T5 1st I. F. Trans. Sec.	15.0 Ω
T6 2nd I. F. Trans. Pri.	15.0 Ω
T6 2nd I. F. Trans. Sec.	15.0 Ω
T7 Output Trans. Pri.	700 Ω
T7 Output Trans. Sec.	.7 Ω
T8 Power Trans. Pri.	19.5 Ω
T8 Power Trans. Sec. Hi-volt	850 Ω
T8 Power Trans. Sec. 6V	.2 Ω
T8 Power Trans. Sec. 5V	.1 Ω

POWER OUTPUT: 3.5 Watts

SPEAKER: 5″ Dynamic Type; 3 Ohm Voice Coil

FREQUENCY RANGE: 535—1600 Kilocycles
1600—3560 Kilocycles

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Courtesy Nostalgia Air