ATWATER KENT RADIO

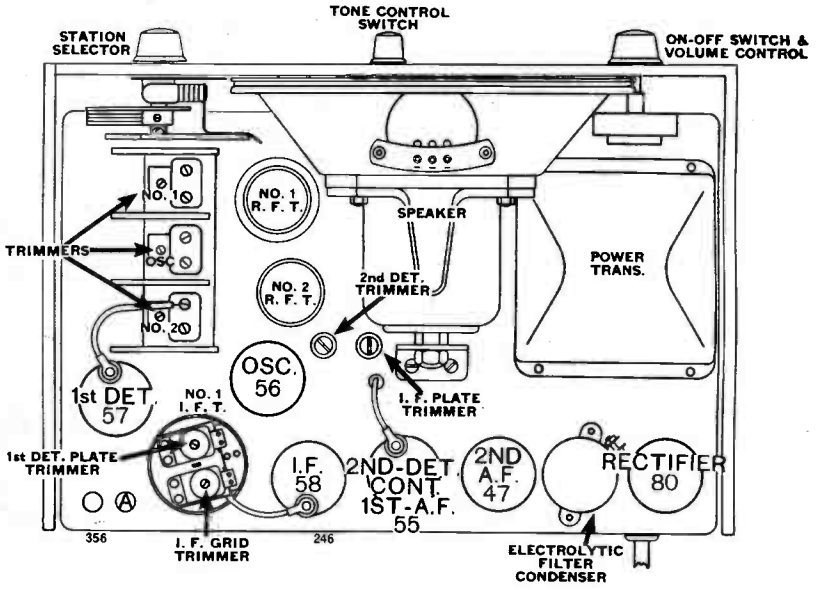
SERVICE DATA

With

PARTS AND PRICE LIST FOR

MODEL 246

Intermediate Frequency, 262½ Kilocycles



Top View of Model 246, Showing Location of R. F. and I. F. Trimmer Condensers

Model 246 is a six-tube compact super-heterodyne, with an intermediate frequency of 262½ kilocycles.

In Model 246 we emphasize its full-sized features—a standard Atwater Kent compact chassis of full-sized performance with full-sized speaker and a baffle area to permit of good frequency-response.

Here are several factors which contribute to the fine performance of the Model 246:

1—The standard Atwater Kent Compact electro-dynamic speaker.

2—Three-gang condenser. Total of seven tuned circuits to ensure selectivity.

3—Tone control.

4—Automatic volume control.

5—Tuning range from 540 to 1750 kilocycles, a range that will cover one police channel and also the highest wave-length regular broadcast stations.

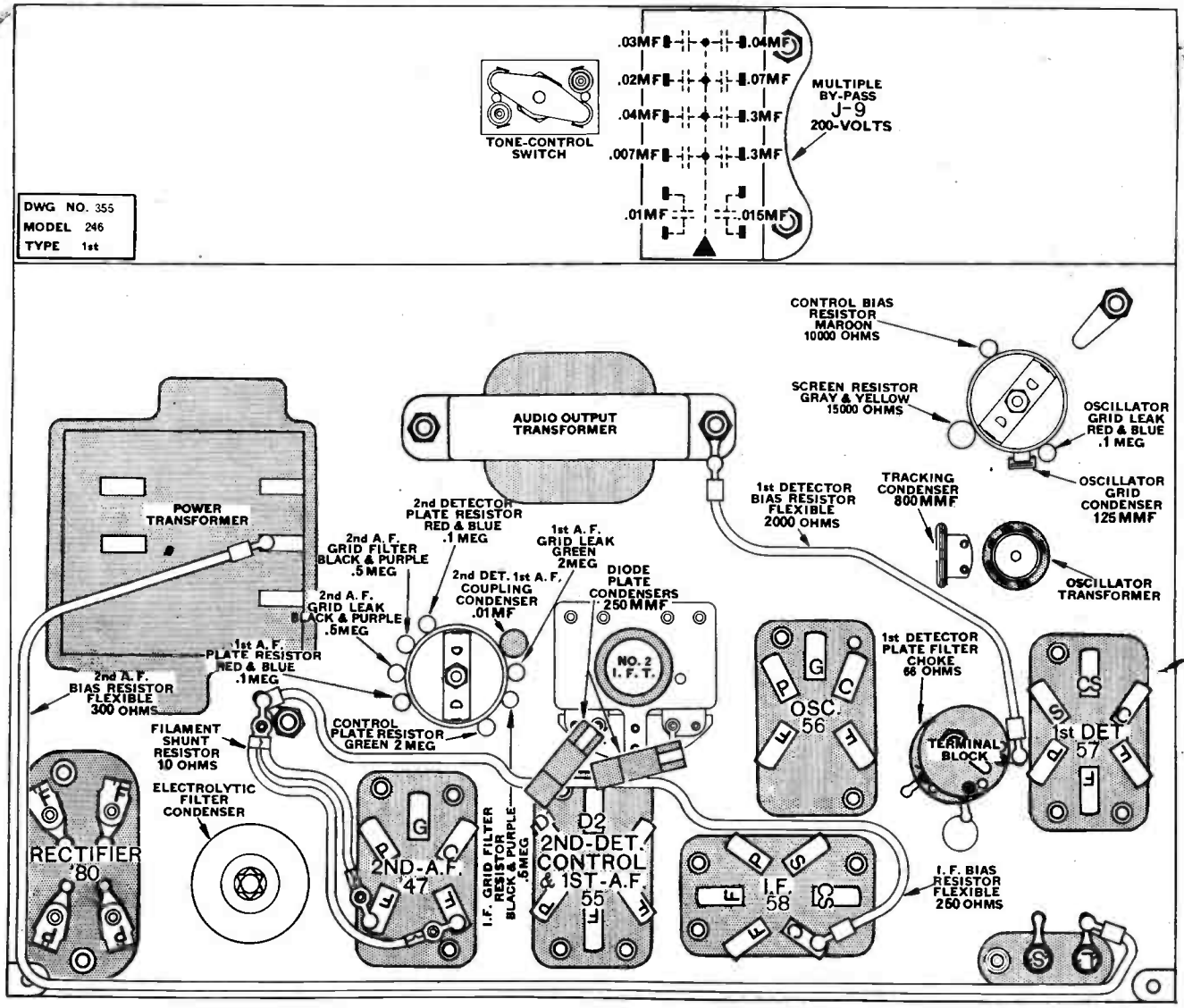
6—Atwater Kent precision design and workmanship throughout.

January, 1932

Printed in U. S. A.

ATWATER KENT RADIO

CHART OF MODEL 246



VOLTAGE TABLE FOR MODEL 246

The voltages listed in this table are only approximate, and are measured values, not actual operating values.

Use 250-volt scale of a 1000-ohm-per-volt. D. C. Voltmeter.

All measurements made from cathode.

Line Voltage, 110 volts

1st Det. tube	Filament	2.4
	Plate	225
	Screen	115
	Grid	3
I.F. tube	Filament	2.4
	Plate	225
	Screen	100
	Grid	1
Osc. tube	Filament	2.4
	Plate	105
	Grid	8*
55 tube	Filament	2.4
	Plate	105
	D1	3
	D2	**
	Grid	2
2nd A.F. tube	Filament	2.4
	Plate	215
	Screen	230
	Grid	4

*The oscillator grid voltage varies.

**The voltage from 2D to cathode is zero when no signal or noise is being picked up.

VOLTAGES ACROSS RESISTORS

Screen resistor	115
1st-detector bias	3
I.F. bias resistor	3
Control bias resistor	16
2nd-A.F. bias resistor	15

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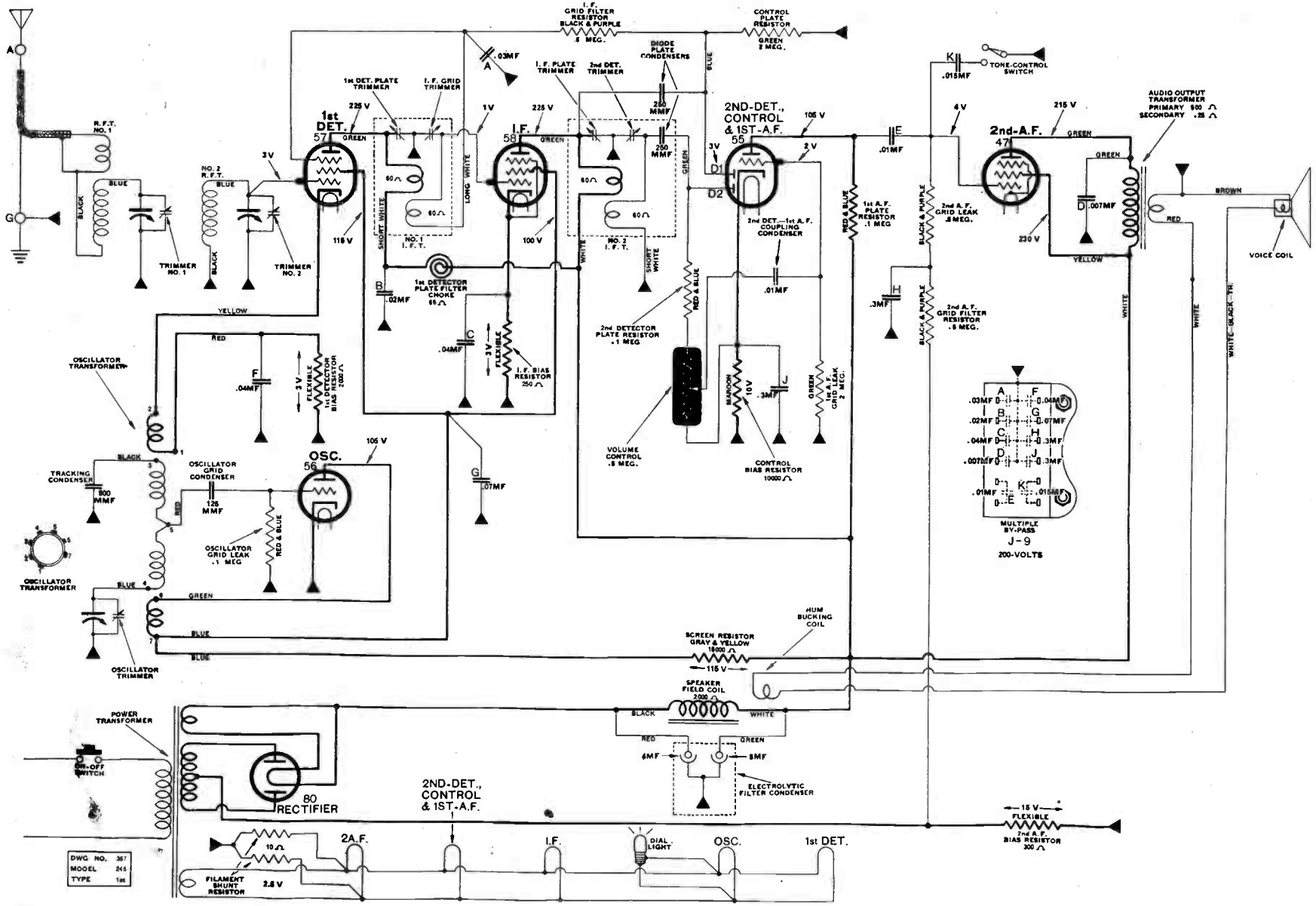
MODEL 246



The plate screen and grid voltages, shown in the above diagram, are made from the cathode of the respective tubes. Use the 250-volt scale of a 1000-ohm-per-volt D. C. voltmeter. Line voltage = 110 volts.

PARTS AND PRICE LIST FOR MODEL 246 No. 32000

For parts not listed below, please order by description or name of part and model number of set.

Part No.	Name of Part	List Price
24079	VOLUME CONTROL, complete, less leads (½ meg.)	$1.25
23430	POWER TRANSFORMER	5.25
24113	R.F. TRANSFORMER GROUP	2.00
30410	NO. 1 I.F. TRANSFORMER, less trimmers	.95
30420	NO. 2 I.F. TRANSFORMER, less trimmers	.95
30440	OSCILLATOR TRANSFORMER	1.00
19697	OUTPUT TRANSFORMER	2.25
19210	1st DETECTOR PLATE FILTER CHOKE	.25
24099	ELECTROLYTIC FILTER CONDENSER	1.60

SMALL FIXED CONDENSERS

26670	Osc. grid condenser (125 MMF)	.25
30240	Diode plate condenser (250 MMF)	.20
27630	2nd Det.-1st A.F. Coupling condenser (.01 MF)	.20
26050	Tracking condenser (800 MMF)	.20

Part No.	Name of Part	List Price
30430	BY-PASS CONDENSER, MULTIPLE TYPE	$2.00

FLEXIBLE RESISTORS

21030	1st. Detector bias resistor (2000 ohms)	.20
21420	I.F. Bias resistor (250 ohms)	.20
25840	2nd. A.F. Bias resistor (300 ohms)	.20

TUBULAR RESISTORS

20980	Red and Blue (½ watt)	.25
20930	Black and Purple (½ watt)	.25
20940	Green (½ watt)	.25
20950	Maroon (½ watt)	.25
27220	Gray and Yellow (1½ watt)	.30

SPEAKER PARTS

19465	Diaphragm	1.50
18870	Field coil	3.00
23657	Hum-bucking coil	.20

These Prices Supersede all Previous Prices and are Subject to Change Without Notice.