

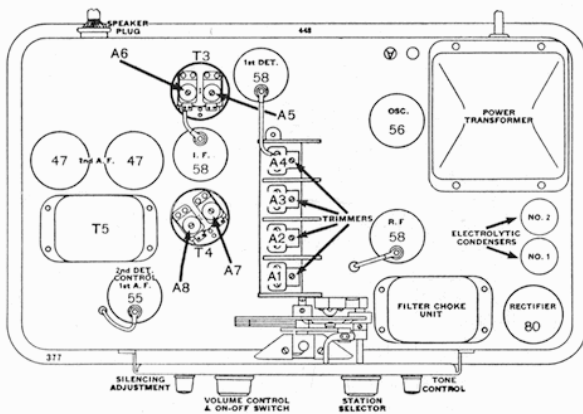
ATWATER KENT RADIO

SERVICE DATA WITH PARTS AND PRICE LISTS FOR

MODELS 155 (1st Type), 246 (2nd Type), 266, 448, and 555

In Models 155, 246, 266, and 555, the intermediate frequency is 262½ kilocycles.

In Model 448, the intermediate frequency is 130 kilocycles.



TOP VIEW, MODEL 448

GENERAL NOTE

Voltage Readings. In this supplement we have printed the tube voltages on the diagram of each set. These voltage readings were made with the 250-volt scale of a 1000-ohm-per-volt D. C. volt-meter, and with a line supply of 110-volts. The plate, screen and grid voltages are made from the cathode of their respective tube.

Dial Lamps. In early Models 93, 188, 246, 260, 266, 555, 558 469, 480, 612, 627 and 812, the dial lamp voltage is 3.2-V. (No. 19644). In later types of these models, the dial lamp voltage is 2.5-V. (No. 15404), and a No. 31860 1-ohm flexible yellow resistor is connected in series with the lamp.

TABULATED DATA

TUBES

MODEL NUMBER	POWER SUPPLY	PART NO. COMPLETE	PART NO. SPEAKER	R.F.	1ST DET.	OSC.	I.F.	2nd-DET., A.V.C. AND 1st-A.F.	2nd A.F.	RECT.
155	110-V., 25-60 C. 110-V., D. C.	32800	24568	—	77*	—	44	75*	43	2525
246	110-V., 60 C.	32000	**32300	—	57	56	58	55	47	80
246-W	110-V., 60 C.	33200	**32300	—	57	56	58	55	47	80
266	110-V., 60 C.	33300	33400	—	57	56	58	55	47	80
448	110-V., 60 C.	32400	28800	58	58	56	58	55	47 (2)	80
448-F	110-V., 25 C.	32500	28800	58	58	56	58	55	47 (2)	80
555	110-V., 60 C.	32900	24408	—	57	—	58	55	47	80
636	6-V.	32100	32600	—	36	—	39	85	41 (2)	—
756	6-V.	32200	32700	39	36	—	39	85	41 (2)	—
756-B	6-V.	33600	33700	39	36	—	39	85	41 (2)	—

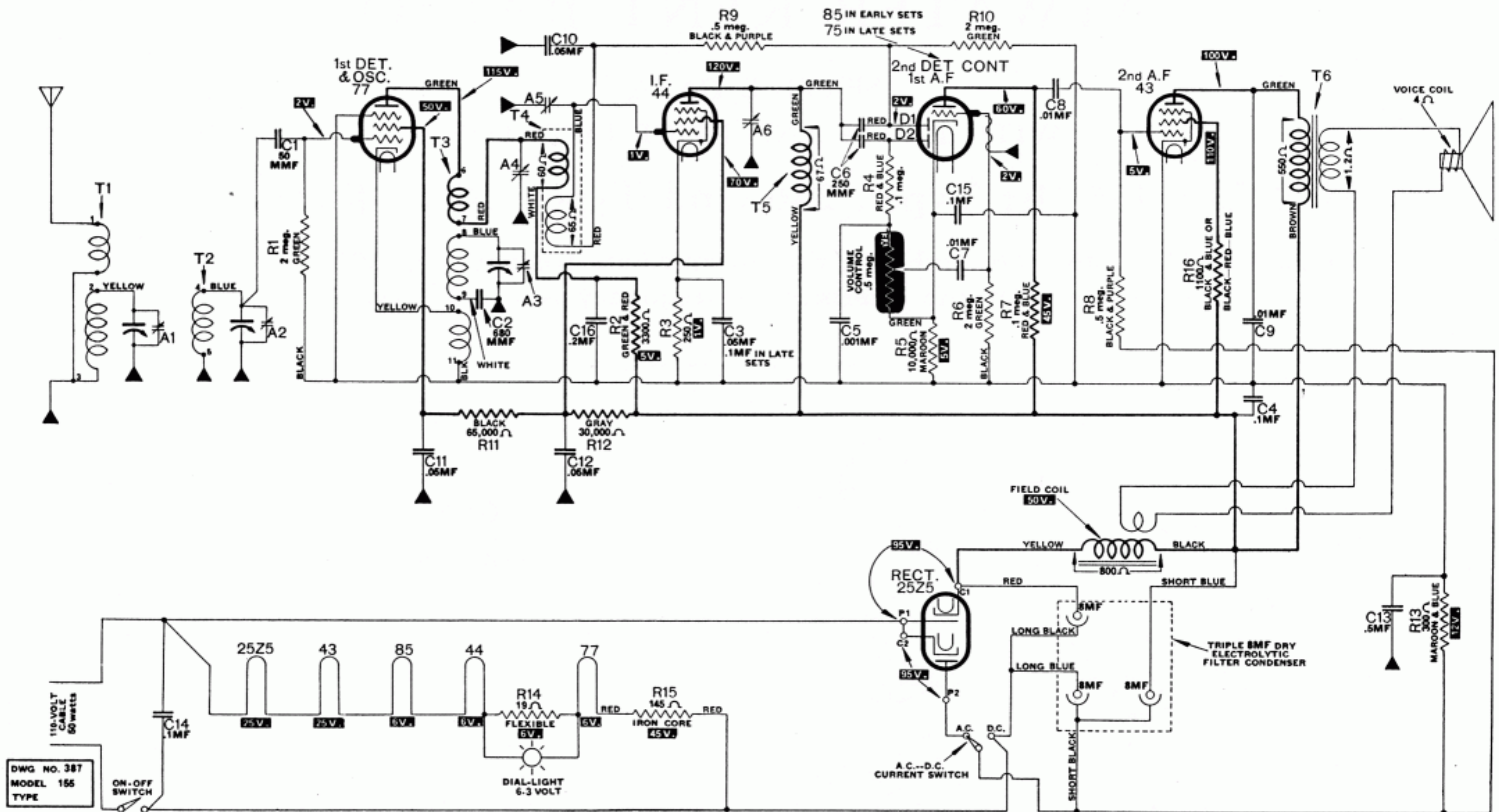
* In early Model 155, the 1st detector and oscillator tube is type 36., and the 2nd-det.—A.V.C.—1st-A.F. is type '85.

** In late 246, with output transformer mounted on speaker, the speaker is part No. 33800.

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MODEL 155, 1st TYPE, Below Serial No. 7086900

For top view, see Page 8



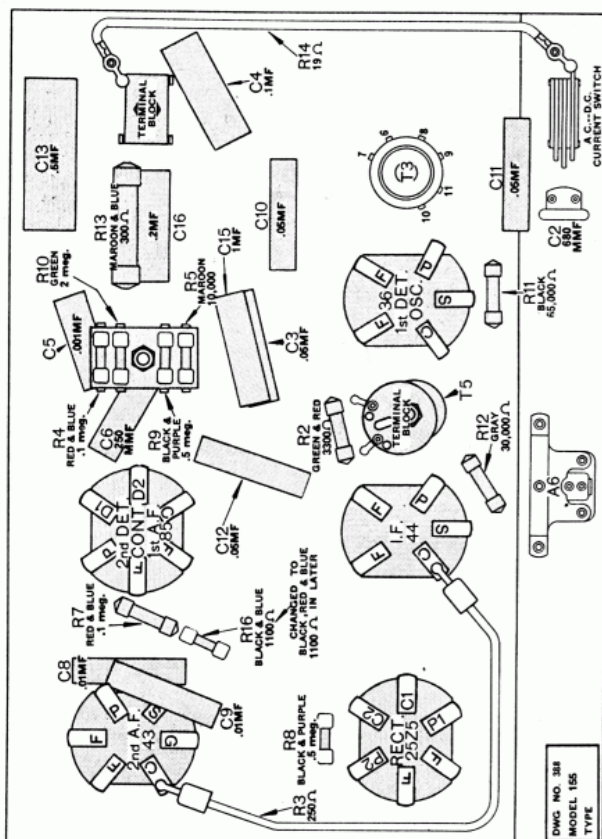
The type 75 tube is not used in any 1st-type Model 155. The 2nd-type 155, which uses the 75 tube, will be described in a later supplement.

The 1st-type of Model 155 was made with three different arrangements of parts under the chassis. The first and third arrangements are shown in the charts below. The second arrangement is similar to the third except that in the second arrangement, condensers C3, C10, C12, C13, C15 and C16 are separate units.

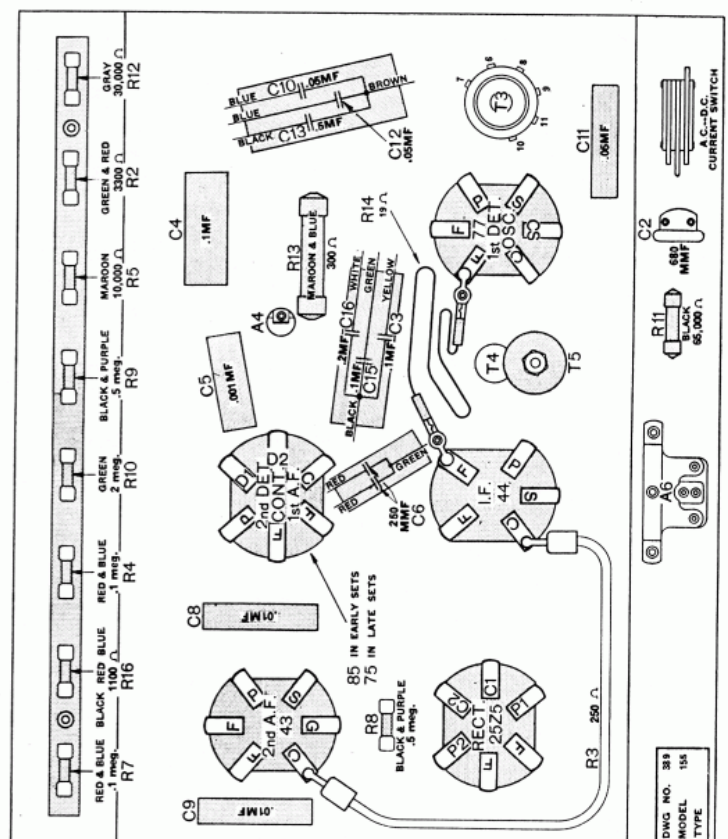
In early 1st-type Model 155, the 1st-detector and oscillator is a type '36 tube.

The voltages shown above are for a line supply of 110-volts A.C.

Resistor R1 in the above diagram should be 1 meg, blue and gray.



First arrangement of parts under chassis in 1st-type Model 155.

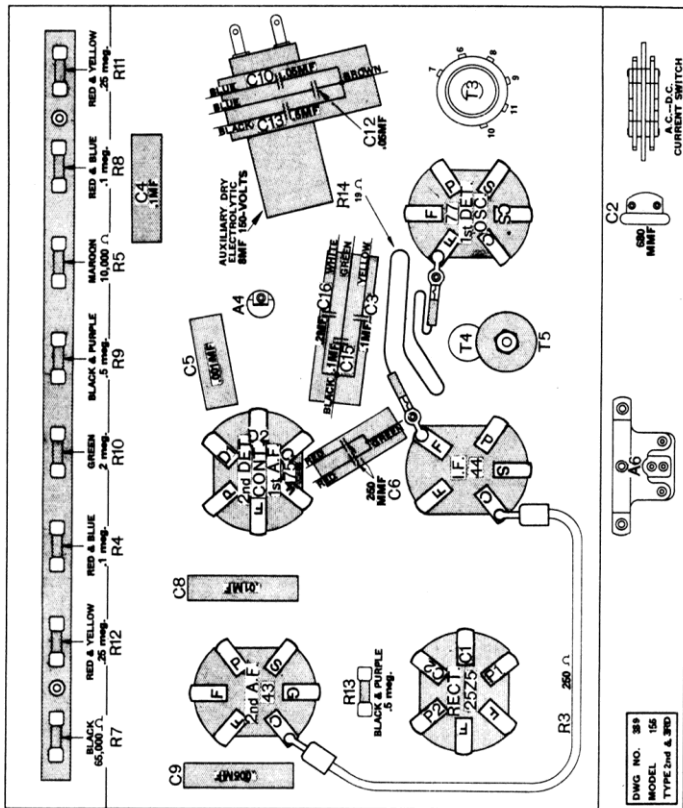


Third arrangement of parts under chassis in 1st-type Model 155.

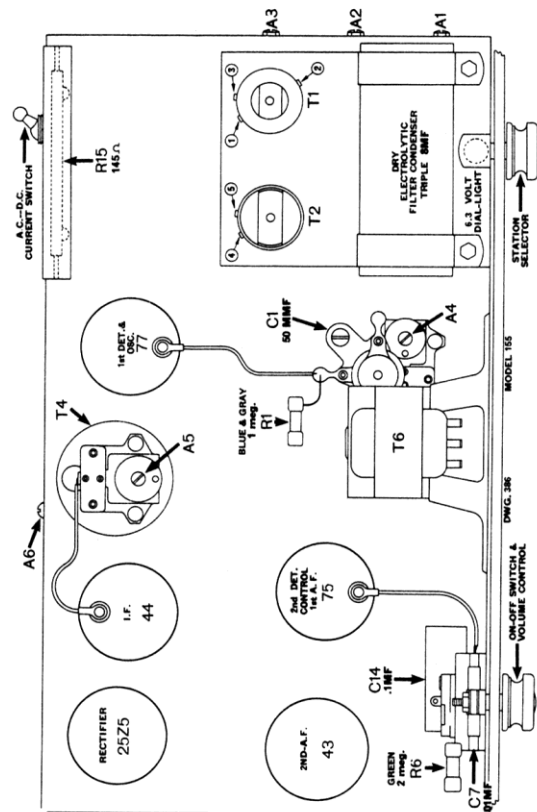
ATWATER KENT RADIO

SERVICE DATA FOR

MODELS 155 (2nd Type), 636, 756, and 756-B



Arrangement of parts under chassis in 2nd-type Model 155 above Serial No. 7086900.



Top view of 2nd-type Model 155, showing location of tubes and trimmers.

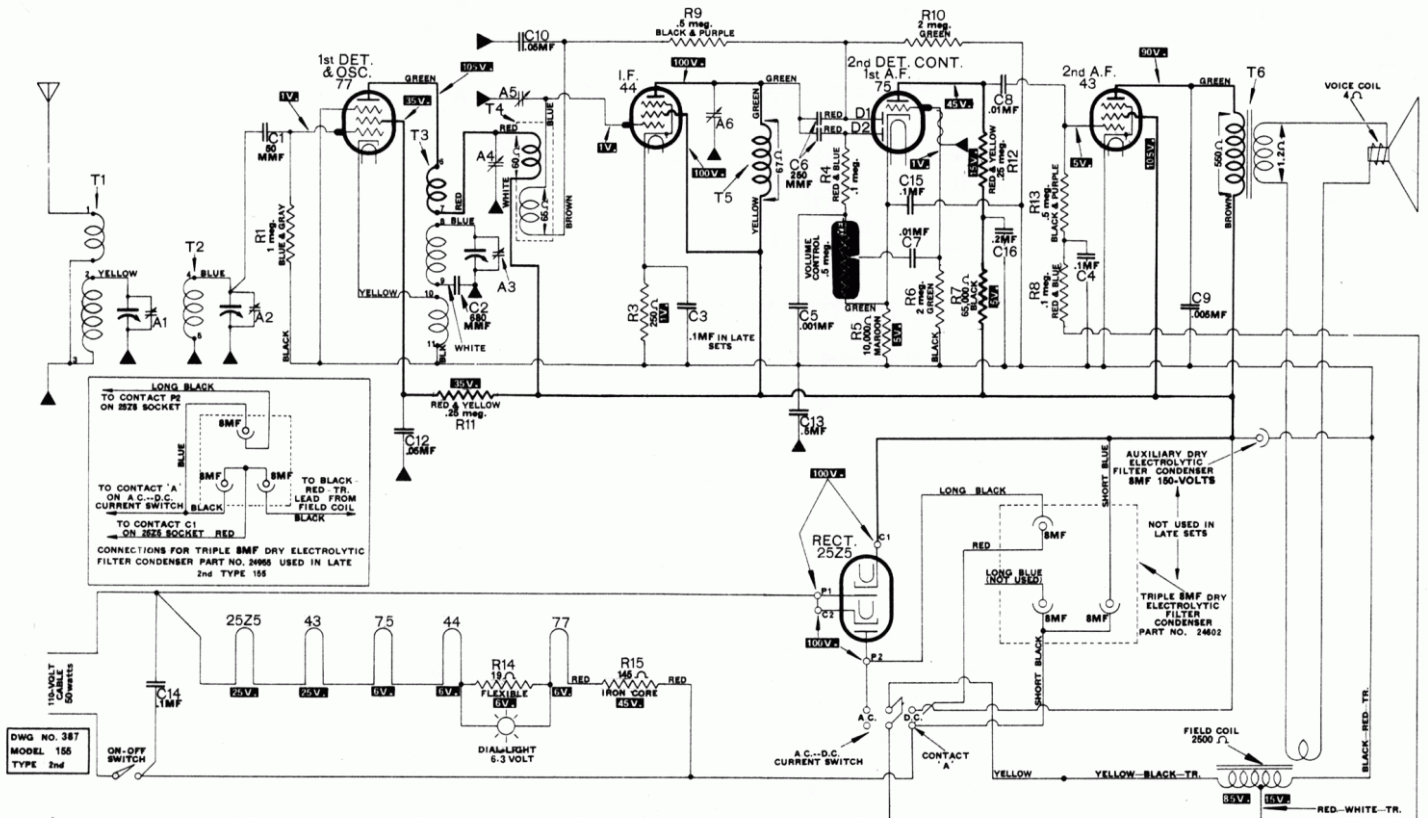


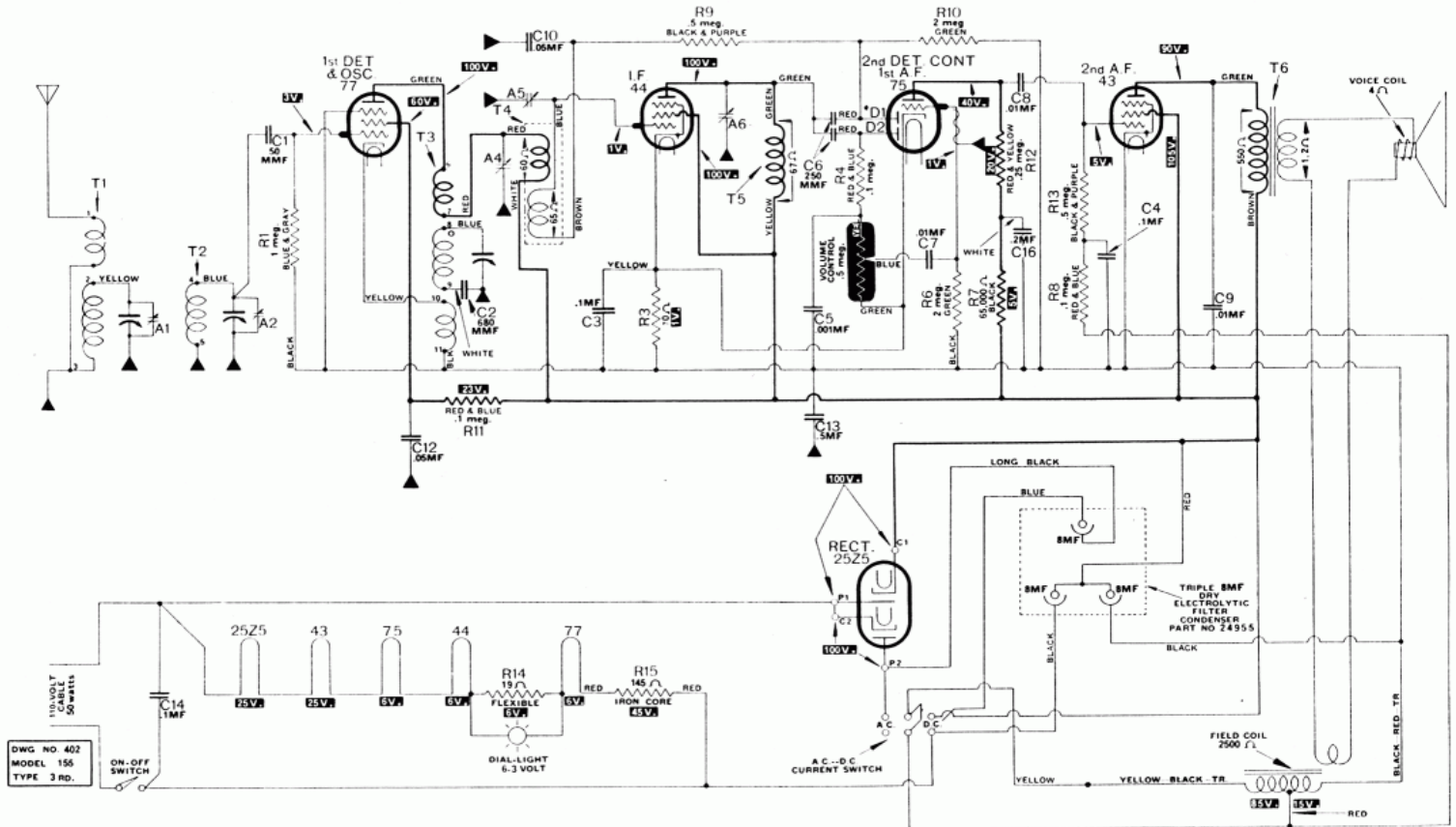
Diagram of 2nd-type Model 155 above Serial No. 7086900. Voltages shown above are for a line supply of 110-volts A.C.

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ATWATER KENT RADIO

MODEL 155, 3rd Type, ABOVE SERIAL No. 7088700

(PARTS LIST ON PAGE 7)



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PARTS AND PRICE LIST FOR 3rd TYPE MODEL 155, No. 32800 ABOVE SERIAL No. 7088700

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
24293	Volume control, complete, less leads, .5 meg.....	\$.75
24722	Cabinet complete.....	3.50
24955	Triple dry electrolytic condenser 8, 8, 8MF, 150 volts....	1.50
*25317	Variable condenser rotor stator and frame (23 plates)....	2.00

* In 1st and 2nd type Model 155, the variable condenser is No. 24561, list price \$2.00 (21 plates).

Dia. Code Part No.	TRANSFORMERS	List Price
T-1	32210 No. 1 R. F. transformer.....	\$1.00
T-2	32220 No. 2 R. F. transformer.....	1.00
T-3	32190 Oscillator transformer.....	.70
T-4	31790 No. 1 I. F. transformer.....	.65
T-5	31780 No. 2 I. F. transformer.....	.35
T-6	24897 Output transformer.....	.85

Dia. Code Part No.	RESISTORS	List Price
R-1	30360 Blue-gray.....1,000,000 ohms, 1/3 watt.....	\$.10
R-3	18520 Flexible.....70 ohms.....	.18
R-4	30340 Red-blue.....100,000 ohms, 1/3 watt.....	.10
R-6	30370 Green.....2,000,000 ohms, 1/3 watt.....	.10
R-7	31980 Black.....65,000 ohms, 1/3 watt.....	.10
R-8	30340 Red-blue.....100,000 ohms, 1/3 watt.....	.10
R-9	30350 Black-purple.....500,000 ohms, 1/3 watt.....	.10
R-10	30370 Green.....2,000,000 ohms, 1/3 watt.....	.10
R-11	30340 Red-blue.....100,000 ohms, 1/3 watt.....	.10
R-12	31970 Red-yellow.....250,000 ohms, 1/3 watt.....	.10
R-13	30350 Black-purple.....500,000 ohms, 1/3 watt.....	.10
R-14	16610 Flexible.....19 ohms.....	.15
R-15	31690 Iron core.....145 ohms.....	.30

Dia. Code Part No.	FIXED CONDENSERS	List Price
C-1	30260 50MMF, letter E stamped on washer.....	\$.15
C-2	31180 680MMF, 100 volts.....	.35
C-3	32760 .1MF, and .2MF, 100 volts.....	.30
C-4	31530 .1MF, 100 volts.....	.22
C-5	33640 .001MF, 450 volts.....	.22
C-6	33630 250MMF (double) 450 volts.....	.25
C-7	23250 .01MF, 450 volts.....	.31
C-8	27630 .01MF, 200 volts.....	.20
C-9	27630 .01MF, 200 volts.....	.20
C-10		
C-12	31890 .05MF, .05MF, and .5MF, 100 volts.....	.45
C-13		
C-14	26660 .1MF, 200 volts.....	.25

Part No.	No. 24942 SPEAKER	List Price
24942	Speaker, complete.....	\$ 3.25
24897	Output transformer (T-6).....	.85
25053	Field coil (2500 ohms).....	1.25
24895	Cone assembly.....	1.65

Part No.	MISCELLANEOUS PARTS	List Price
24908	Instruction and log card (F-1056).....net \$	.01
24733	110-volt cable and plug.....	.60
24727	Antenna lead (30 feet).....	.75
24278	Knob for volume control or station selector.....	.10
24892	A. C.—D. C. current switch.....	.60

PARTS AND PRICE LIST FOR 2nd TYPE MODEL 555, No. 32900 ABOVE SERIAL No. 5063260

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
24293	Volume control, complete, less leads, .5 meg.....	\$.75
*25456	Variable condenser rotor, stator and frame (23 plates)...	2.00
24558	Cabinet, complete.....	6.50

* In 1st type 555, the variable condenser is No. 24559, list price \$2.00 (21 plates).

Dia. Code Part No.	TRANSFORMERS	List Price
—	24438 Power transformer.....	\$ 2.95
T-1	33470 R. F. transformer.....	1.00
T-2	33480 Oscillator transformer.....	1.00
T-3	31390 No. 1 I. F. transformer.....	.75
T-4	31380 No. 2 I. F. transformer.....	.45
T-5	24901 Output transformer.....	1.00

Dia. Code Part No.	RESISTORS	List Price
R-1	30350 Black and purple, .5 meg., 1/3 watt.....	\$.10
R-2	28950 Flexible, 160 ohms.....	.17
R-3	30350 Black and purple, .5 meg., 1/3 watt.....	.10
R-4	16724 White, 40,000 ohms, 1 watt.....	.15
R-5	30380 Red and green, 3300 ohms, 1/3 watt.....	.10
R-6	30370 Green, 2 meg., 1/3 watt.....	.10
R-7	30340 Red and blue, .1 meg., 1/3 watt.....	.10
R-8	30340 Red and blue, .1 meg., 1/3 watt.....	.10
R-9	30370 Green, 2 meg., 1/3 watt.....	.10
R-10	30350 Black and purple, .5 meg., 1/3 watt.....	.10
R-11	30350 Black and purple, .5 meg., 1/3 watt.....	.10
R-12	17077 Flexible, 10 ohms.....	.12
R-13	31490 Maroon and blue, 300 ohms, 1/2 watts.....	.20
R-14	30380 Red and green, 3300 ohms, 1/3 watt.....	.10

Dia. Code Part No.	FIXED CONDENSERS	List Price
C-1	30260 50 MMF, 450-volts.....	\$.15
C-2	31180 680 MMF, 100-volts.....	.35
C-2A	33660 .0022 MF, 450-volts.....	.22
C-3	20530 .03 MF, 200-volts.....	.20
C-4	26820 .05 MF, 200-volts.....	.20
C-5	30240 250 MMF, 200-volts.....	.20
C-6	31530 .1 MF, 100-volts.....	.22
C-7	27630 .01 MF, 200-volts.....	.20
C-8	31140 250 MMF (double), 200-volts.....	.20
C-9	27630 .01 MF, 200-volts.....	.20
C-10	31150 .3 MF, 100-volts.....	.25
C-11	27630 .01 MF, 200-volts.....	.20
C-12	29030 .02 MF, 450-volts.....	.20
C-13	22538 Electrolytic, 8 MF, 475-volts.....	1.00
C-14	25184 Electrolytic, 4 MF, 475-volts.....	.70

Part No.	MISCELLANEOUS PARTS	List Price
24457	Instruction and log card (F-1045).....net \$	.01
24656	Antenna lead (20 feet).....	.60
24651	Ground lead (8 feet).....	.15
24649	110-volt cable.....	.60
24278	Knob for volume control or station selector.....	.10

Part No.	No. 24408 SPEAKER USED IN MODEL 555	List Price
24408	Speaker, complete, less dial light assembly.....	\$ 4.25
24901	Output transformer (T-5).....	1.00
24899	Field coil.....	1.00
24898	Cone assembly.....	2.35

THESE PRICES SUPERSEDE ALL PREVIOUS PRICES AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.