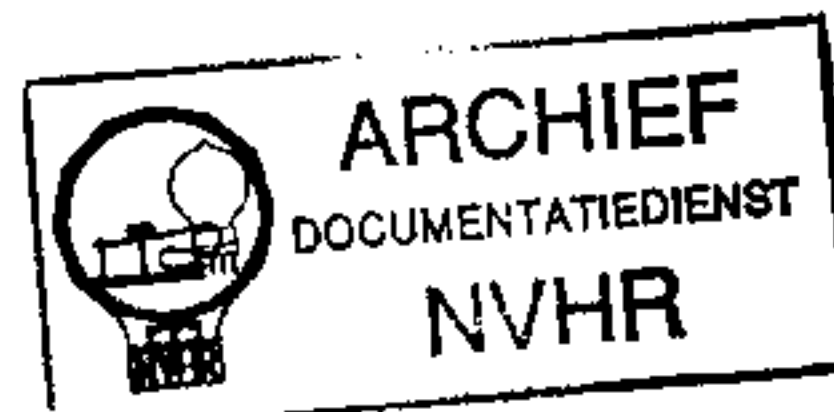
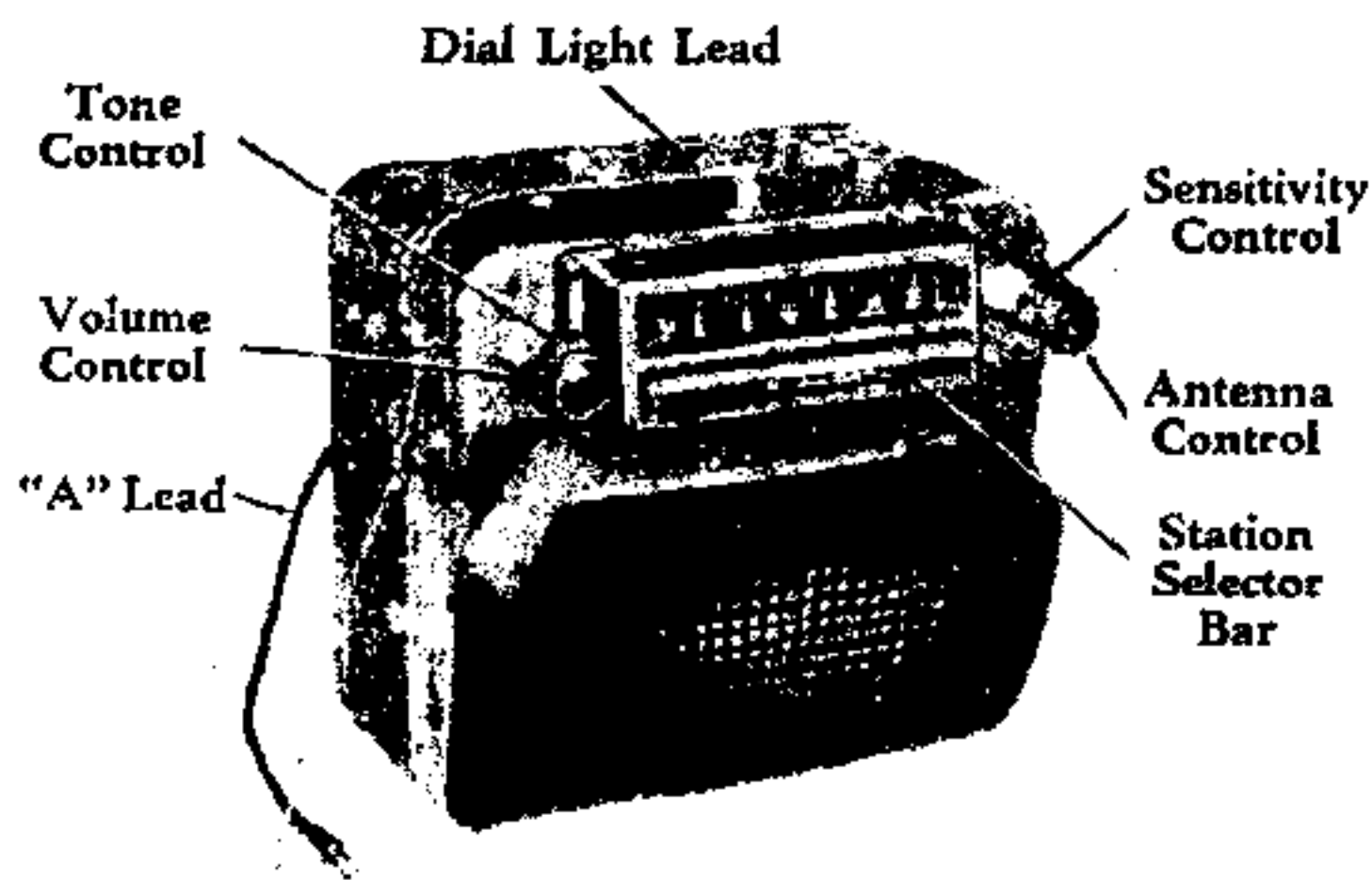


MODEL 7258865,
Cadillac



GENERAL

- MOUNTING—All 1950 Cadillac Cars.
- TUBES—Eight, Plus Rectifier.
- SPEAKER — 6" x 9" Elliptical, Permanent Magnet.
- TUNING—Electronic.
- ANTENNA TRIMMER COMPENSATION — 0.000060 - 0.000085 Mfd.
- TUNING RANGE—540 - 1600 KC.



MODEL 7258865

PUSHBUTTON SET-UP

No pushbutton set-up is necessary. However, the number of stations on which the tuner will stop can be controlled by the use of the Sensitivity Control.

SIGNAL SEEKING TUNER ALIGNMENT PROCEDURE:

NOTE: When aligning the signal seeker tuner type radio, be sure to use a vacuum tube voltmeter as indicated and be sure to follow the alignment sequence given—(Notice that the primary of the 2nd I.F. is aligned first.)

- Output Meter Connection VTVM From [2] To Chassis (see parts layout page 2)
- Generator Return Receiver Chassis
- Dummy Antenna In Series With Generator
- Volume Control Maximum Volume
- Sensitivity Control Maximum Sensitivity
- Tone Control Treble
- Generator Output Not To Exceed 2 Volts at VTVM

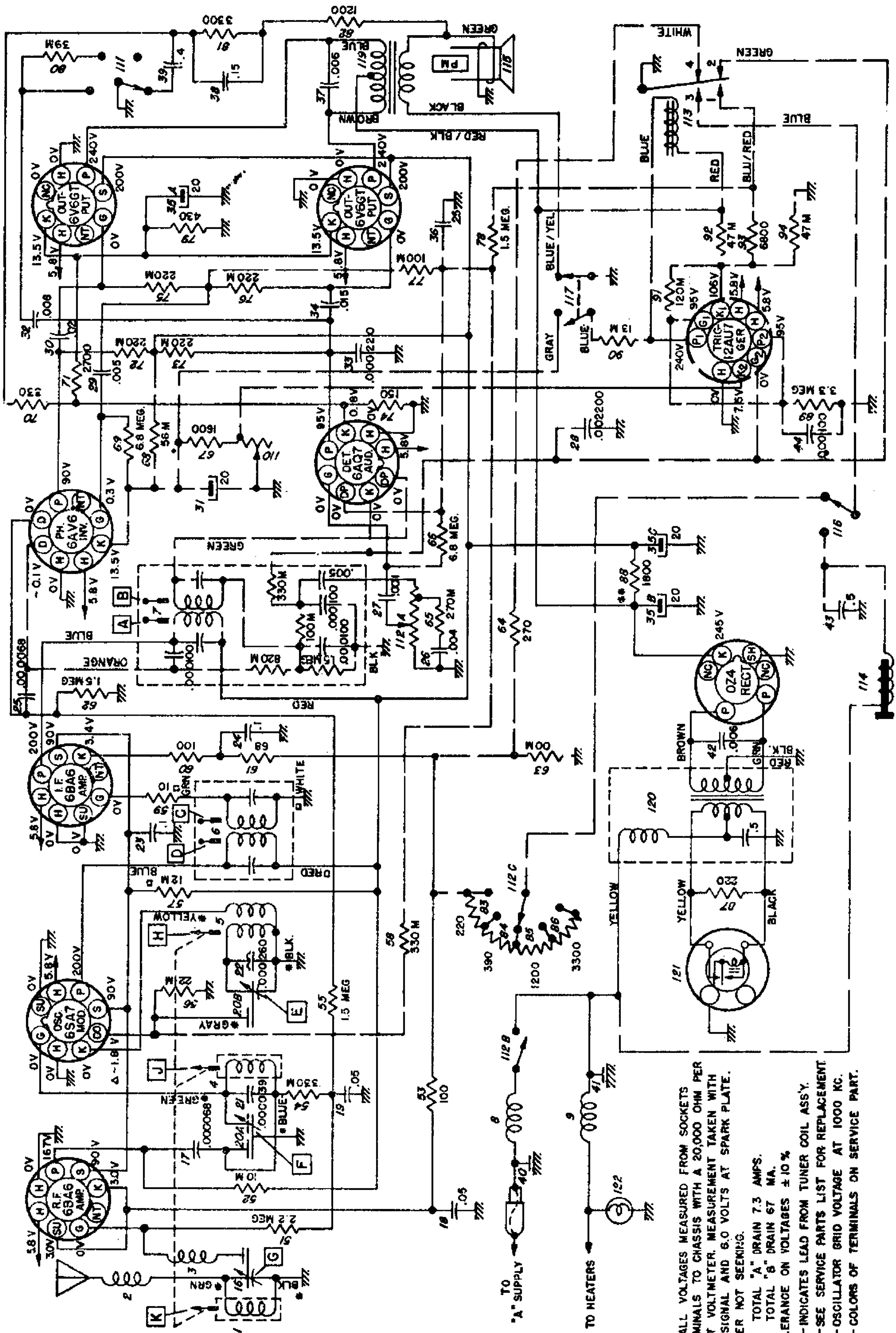
Step	Dummy Antenna	Connect To	Signal Generator Frequency	Tune Receiver To	Adjust in Sequence for Max. Output
1	0.1 mfd	6SA7 Grid (Pin 8)	260 KC	*High Frequency Stop	A, B, C, D
2	0.000068 mfd	Antenna Connector	1615 KC	High Frequency Stop	**E, F, G
3	0.000068 mfd	Antenna Connector	600 KC	Signal Gen. Signal	J, K
4	0.000068 mfd	Antenna Connector	1615 KC	Signal Gen. Signal	F, G
5	0.000068 mfd	Antenna Connector	1000 KC	Signal Gen. Signal	***L

*To tune to high frequency, put a 0.070" feeler gauge (or bare #13 wire) in slot against the high frequency stop. (See tuner picture). Depress station selector bar and allow the planetary arm to run against the feeler gauge. Turn the radio off and then on.

**Before making this adjustment, check the setting of oscillator core "H." The rear of the core should be 1 3/4" from the mounting end of the coil form. This measurement is readily made by inserting a suitable plug in the mounting end of the coil form. The core adjustment is made from the mounting end of the coil form with an insulated screwdriver. (It will be necessary to steady the core guide bar by applying a downward pressure at the antenna core end of the bar while making these adjustments.) If this adjustment is necessary, first dissolve the glyptal seal on the core stud and be sure to re-seal after making the adjustment.

***"L" is the pointer adjustment screw on the end of the core guide bar—adjust so pointer reads 1000 KC.

With the radio installed and the antenna plugged in, adjust antenna trimmer "G" (See sticker on case) for maximum volume with the radio tuned to a weak station near 1400 KC.



ALL VOLTAGES MEASURED FROM SOCKETS
TERMINALS TO CHASSIS WITH A 20,000 OHM PER
VOLT VOLTMETER. MEASUREMENT TAKEN WITH
NO SIGNAL AND 6.0 VOLTS AT SPARK PLATE.
TUNER NOT SEEKING.

TOTAL "A" DRAIN 7.3 AMPS.
TOTAL "B" DRAIN 67 MA.
TOLERANCE ON VOLTAGES ± 10 %

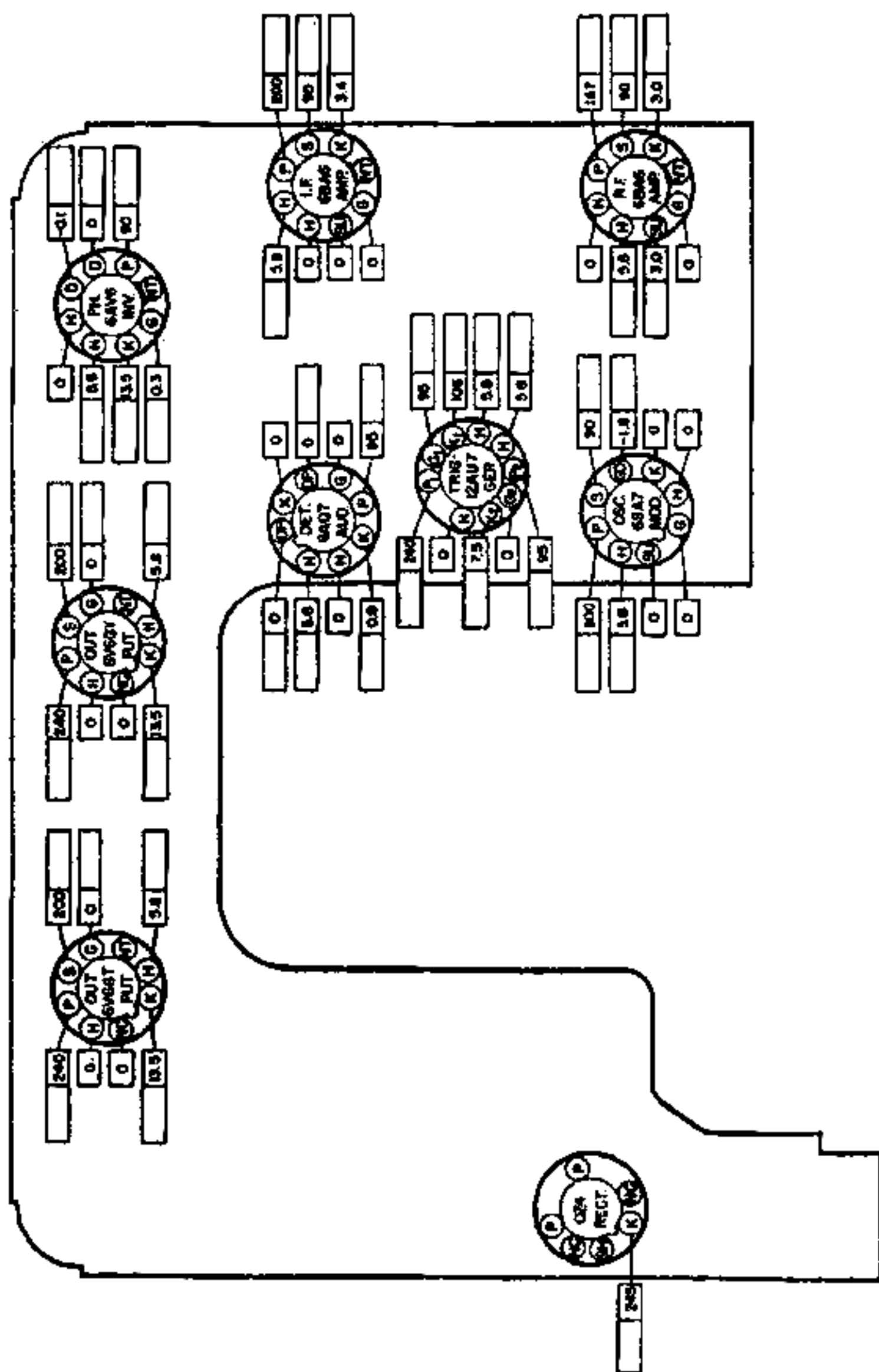
- INDICATES LEAD FROM TUNER COIL ASS'Y.
- SEE SERVICE PARTS LIST FOR REPLACEMENT.
△ - OSCILLATOR GRID VOLTAGE AT 1000 KC.
○ - COLORS OF TERMINALS ON SERVICE PART.

MODEL 7258865

TUNER CIRCUIT COMPONENTS

MODEL 7258865,
Cadillac

TUBE SOCKET VOLTAGE CHART



The tube socket voltages, as measured at the factory and under the conditions shown on the schematic diagram, are shown above. The blank spaces are provided so that the serviceman may fill in actual voltage readings as taken with his own equipment. A normal operating radio should be used for these measurements.

Voltmeter resistance Ohms Per Volt.

Readings taken with Volts At Spark Plate.

All voltages measured from socket terminals to chassis.

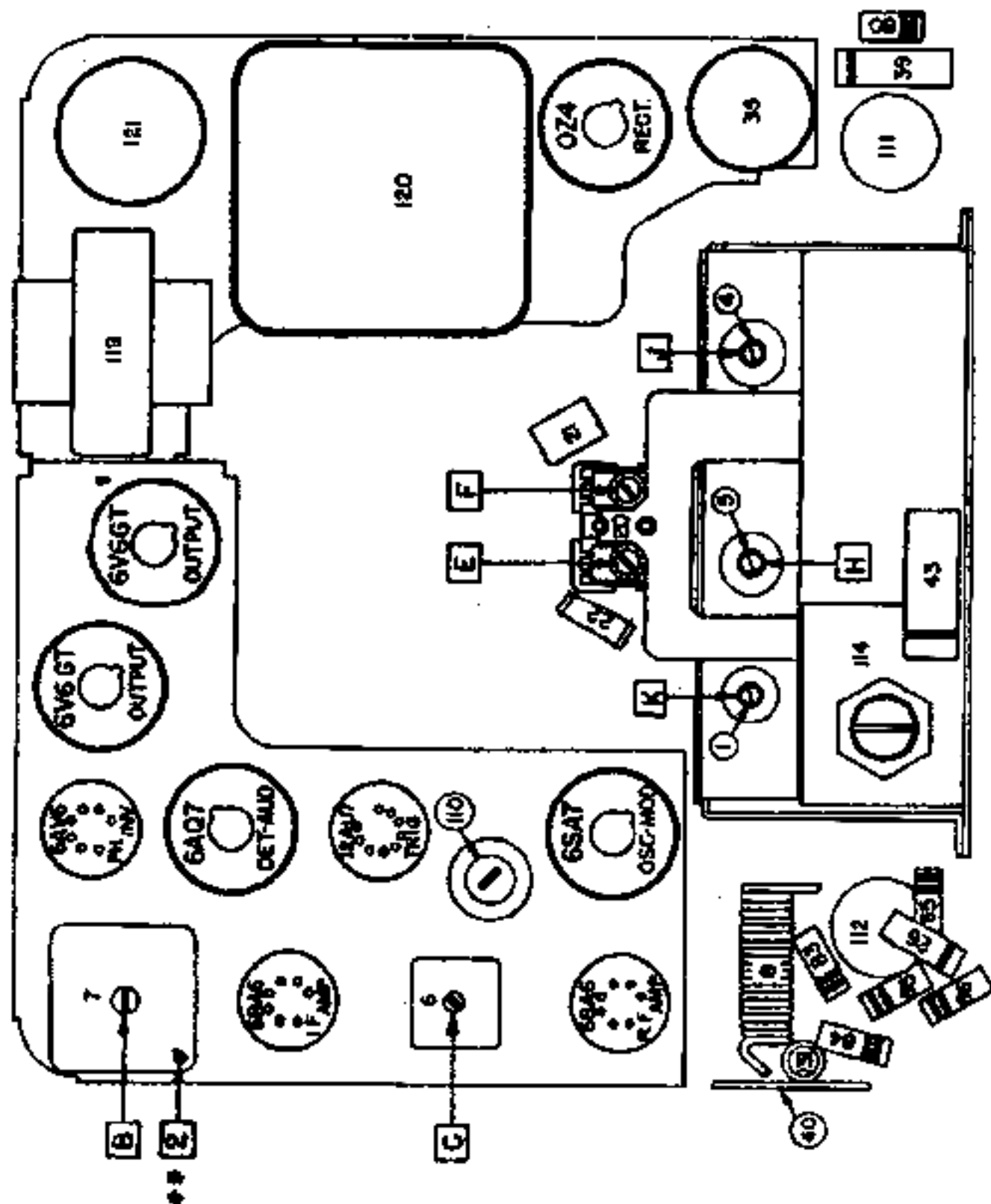
TUNER ADJUSTMENT PROCEDURE:

CATHODE DELAY ADJUSTOR (Illustration #110) (This adjustment should be necessary only if the delay adjustor has been replaced or the adjustment has definitely been proven to be faulty).

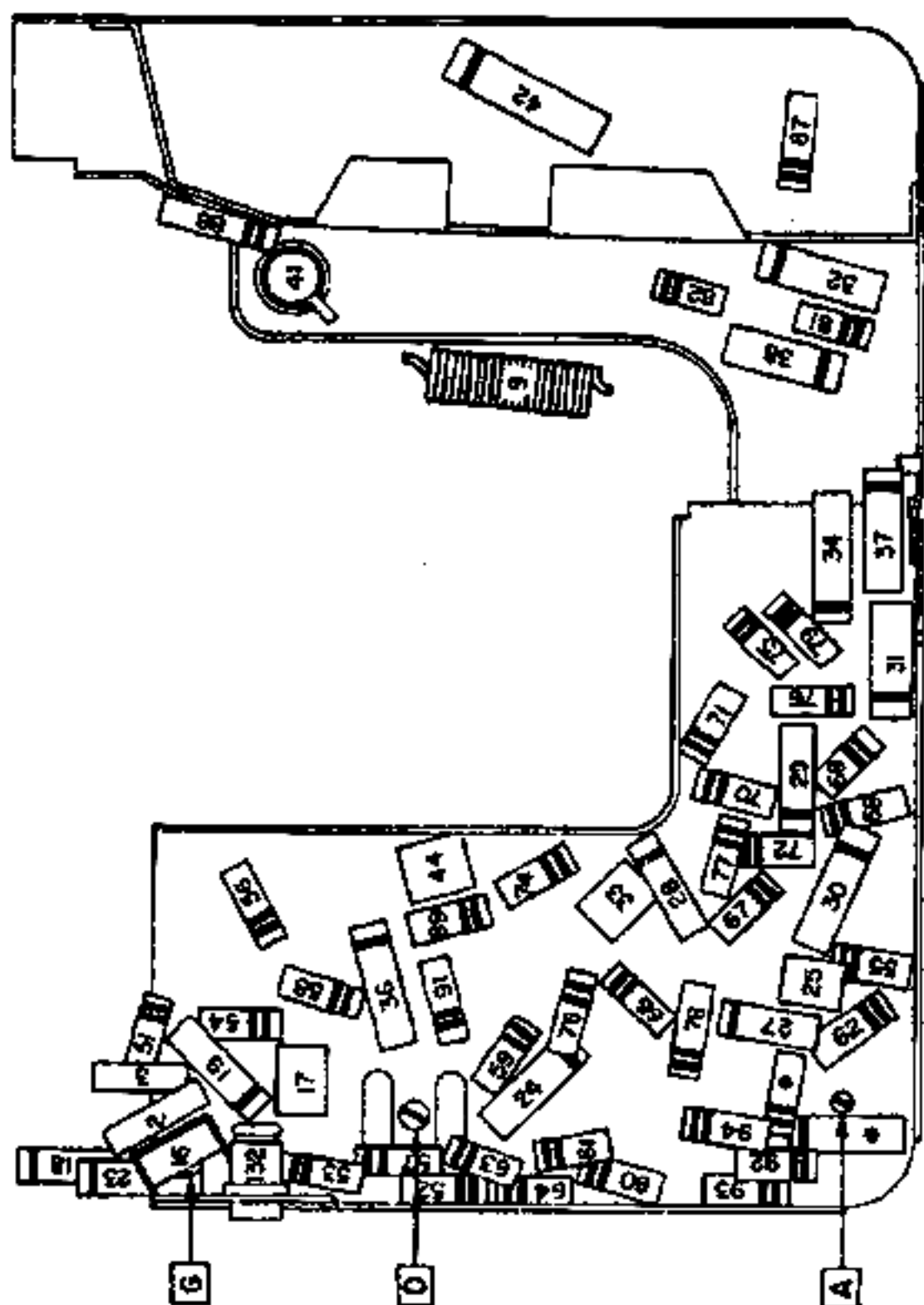
With exactly 6.0 volts on the spark plate, set the delay adjustor (Illus. 110) so that the voltage at K₂ of the 12AU7 trigger tube (Pin #8) is exactly 7.5 volts.

NOTE: For all other tuner adjustments, see Bulletin 6D-620.

PARTS LAYOUT --- TUBE VIEW



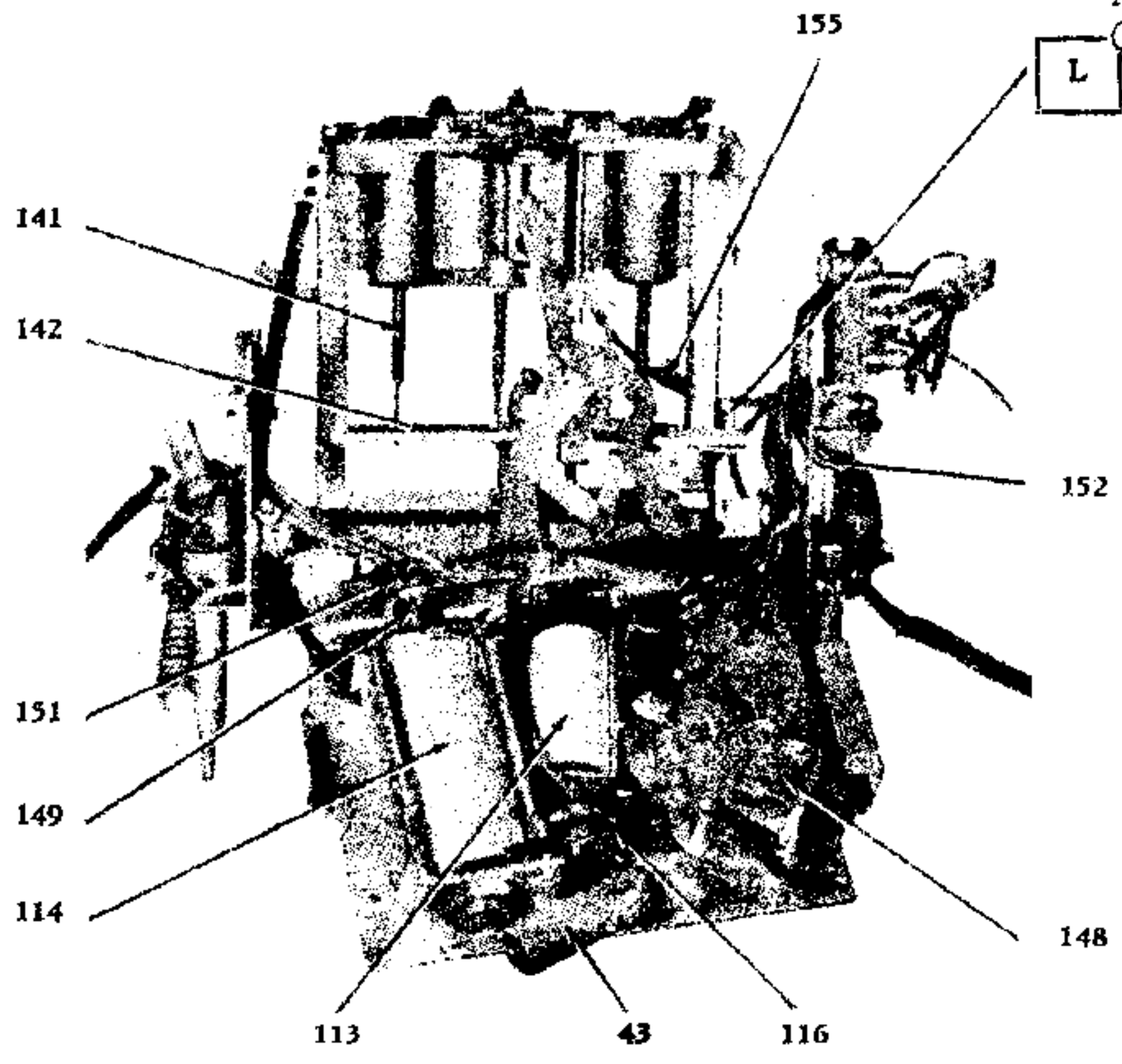
PARTS LAYOUT --- CHASSIS VIEW



*Condenser and resistor are included in the 2nd I.F. Coil Assembly.

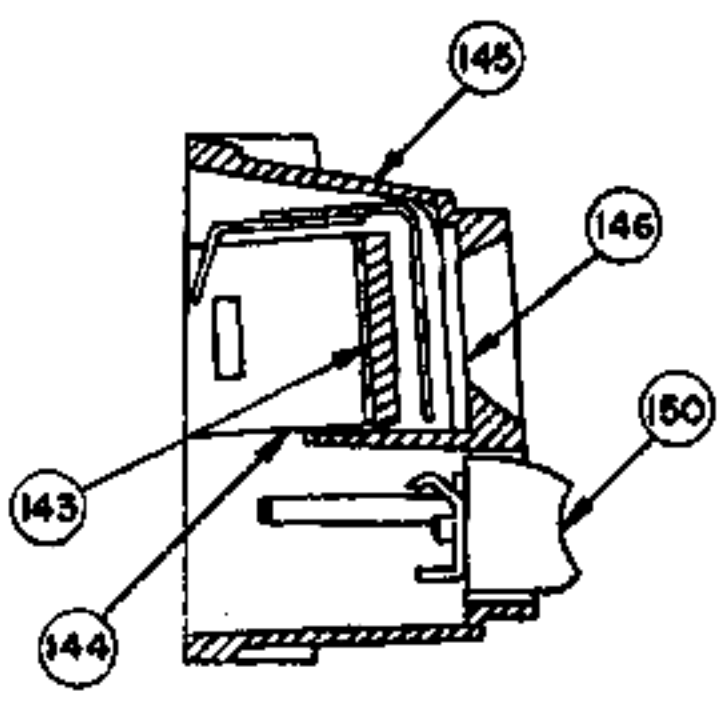
**Connect a VTVM from this point to ground for output indications during alignment.

MODEL 7258865,
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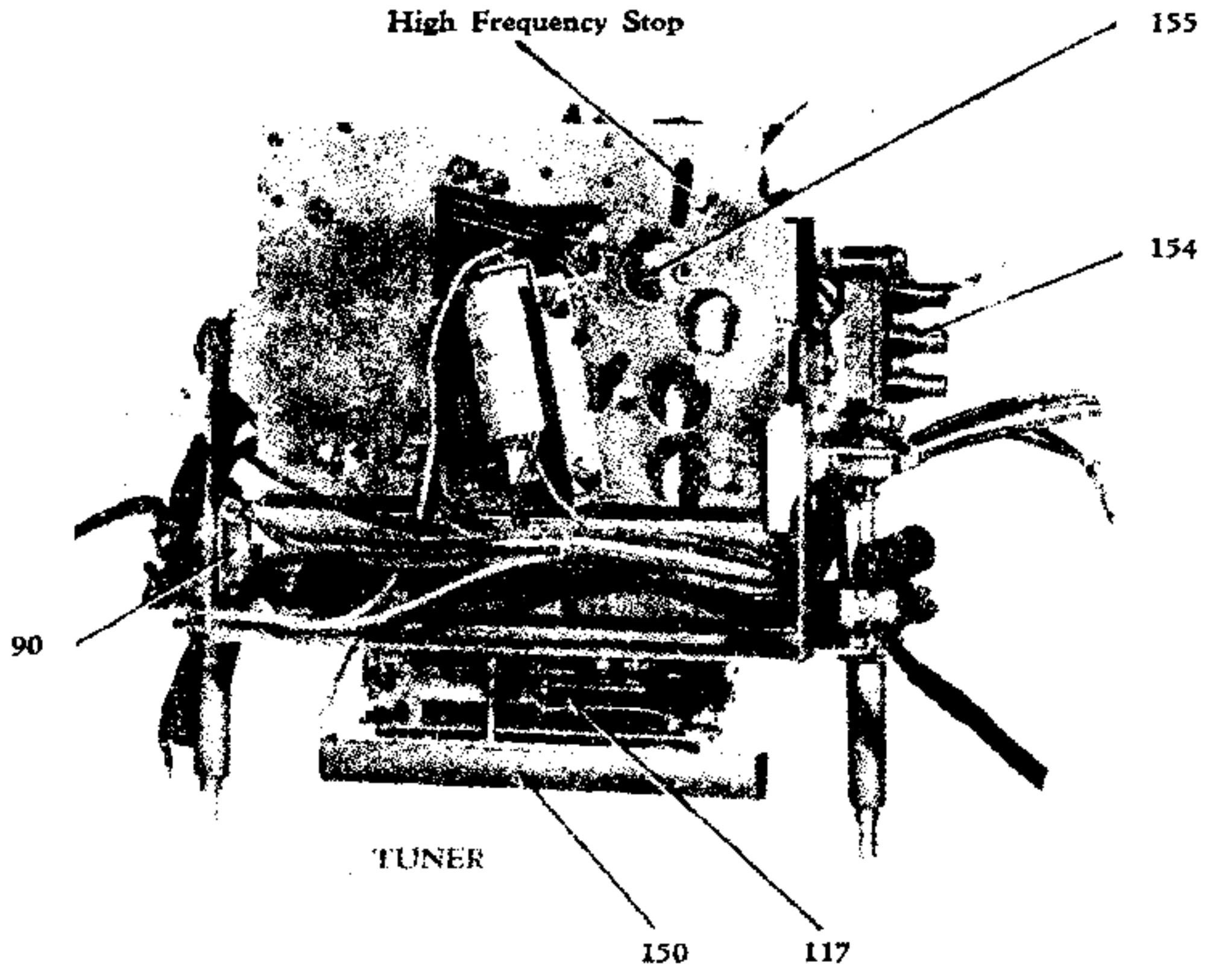


TUNER — OPEN

High Frequency Stop



ESCUTCHEON
CROSS-SECTION



TUNER

SERVICE PARTS LIST

Illus. No.	Production Part No.	Service Part No.	Description
ELECTRICAL PARTS			
Coils			
1	7257979	7257979	Antenna
2	7258502	7258502	Antenna Series Choke
3	7240251	7240251	Antenna Spark Choke
4	7257979	7257979	R.F.
5	7259184	7259184	Oscillator
6	7258849	1219508	1st I.F. Assy.
7	7259290	1219602	2nd I.F. Assy.
8	1217846	1217846	"A" Spark Choke
9	1217846	1217846	Hash Choke

MODEL 7258865

SERVICE PARTS LIST

Illus. No.	Production Part No.	Service Part No.	Description
Condensers			
16	7258226	7258226	Antenna Trimmer
17	1219550	G 680	0.000068 mfd. molded
18	1210697	E 503	0.05 mfd. 200 V Tubular
19	1210697	E 503	0.05 mfd. 200 V Tubular
20	7242454	7242454	Dual Trimmer
20A			RF Section
20B			Oscillator Section
21	7258221	G 390	0.000039 mfd. Ceramic
22	7257567	7257567	0.000260 mfd. Compensating
23	7238788	E 104	0.1 mfd. 400 V Tubular
24	7238789	E 104	0.1 mfd. 200 V Tubular
25	1219550	G 680	0.000068 mfd. Molded
26	1218969	E 402	0.004 mfd. 600 V Tubular
27	1218883	E 102	0.001 mfd. 600 V Tubular
28	1219553	1219553	0.002200 mfd. 600 V Tubular
29	7230767	E 502	0.005 mfd. 600 V Tubular
30	7233770	E 203	0.02 mfd. 600 V Tubular
31	1219660	1219660	20 mfd. 50 V Electrolytic
32	1219463	1219463	0.008 mfd. 600 V Tubular
33	7238792	G 221	0.000220 mfd. Molded
34	7237719	7237719	0.015 mfd. 600 V Tubular
35	7240724	M 908	Electrolytic
35A			20 mfd. 25 V
35B			20 mfd. 400 V
35C			20 mfd. 400 V
36	1209817	E 254	0.25 mfd. 200 V Tubular
37	1219084	H 602	0.006 mfd. 800 V Tubular
38	1218880	1218880	0.15 mfd. 100 V Tubular
39	1218882	1218882	0.4 mfd. 100 V Tubular
40	7259710	7259710	Spark Plate and "A" Connector
41	1217848	1217848	Chassis Plate Condenser
42	7240906	H 602	0.006 mfd. 1600 V Tubular
43	1219511	E 504	0.5 mfd. 100 V Tubular
44	1219499	G 101	0.000100 mfd. Molded
Resistors			
51	1211147	A 225	2.2 Megohms 1/2 W Insulated
52	1211085	B 103	10,000 Ohms 1 W Insulated
53	1213217	A 101	100 Ohms 1/2 W Insulated
54	7240732	A 334	330,000 Ohms 1/2 W Insulated
55	1213283	A 155	1.5 Megohms 1/2 W Insulated
56	1211192	A 223	22,000 Ohms 1/2 W Insulated
57	1212491	1212491	12,000 Ohms 2 W Insulated
58	1214557	A 334	330,000 Ohms 1/2 W Insulated
59	1215107	A 100	10 Ohms 1/2 W Insulated
60	1213217	A 101	100 Ohms 1/2 W Insulated
61	1215558	1215558	68 Ohms 1/2 W Insulated
62	1213283	A 155	1.5 Megohms 1/2 W Insulated
63	1213270	A-104	100,000 Ohms 1/2 W Insulated
64	1214542	A 271	270 Ohms 1/2 W Insulated
65	1214556	A 274	270,000 Ohms 1/2 W Insulated
66	7241937	A 685	6.8 Megohms 1/2 W Insulated
67	1219504	1219504	1600 Ohms 1/2 W Insulated
68	1213509	1213509	56,000 Ohms 1 W Insulated
69	7241937	A 685	6.8 Megohms 1/2 W Insulated
70	1213224	A 331	330 Ohms 1/2 W Insulated
71	1213240	1213240	2700 Ohms 1/2 W Insulated
72	1214555	A 224	220,000 Ohms 1/2 W Insulated
73	1214555	A 224	220,000 Ohms 1/2 W Insulated
74	1213220	A 151	150 Ohms 1/2 W Insulated
75	1214555	A 224	220,000 Ohms 1/2 W Insulated
76	1214555	A 224	220,000 Ohms 1/2 W Insulated
77	1213270	A 104	100,000 Ohms 1/2 W Insulated
*78	*1213283	*A 155	1.5 Megohms 1/2 W Insulated
79	7239745	7239745	430 Ohms 1 W Wire Wound Insulated
80	1213480	A 393	39,000 Ohms 1/2 W Insulated
81	1213481	A 332	3300 Ohms 1/2 W Insulated
82	1213236	1213236	1200 Ohms 1/2 W Insulated
83	7237835	A 221	220 Ohms 1/2 W Insulated
84	1213482	A 391	390 Ohms 1/2 W Insulated
85	1213236	1213236	1200 Ohms 1/2 W Insulated
86	1213481	A 332	3300 Ohms 1/2 W Insulated
87	7237994	B 221	220 Ohms 1 W Insulated
88	1214573	{ C 272	1800 Ohms Wire Wound (Replace with 2700 ohms
		{ B 562	2 W and 5600 Ohms 1 W in parallel)
89	1214564	A 335	3.3 Megohms 1/2 W Insulated

*This resistor was 2.2 Megohms until Serial #62397—Use above Value in Service.