



UNITED MOTORS SERVICE

DIVISION OF GENERAL MOTORS CORPORATION

General Offices - Detroit

AUTO RADIO BULLETIN

Bulletin 6D-857

Chevrolet 3711897

Date 11-1-54

Page 1

FIRST ISSUE

SUBJECT: SERVICE INSTRUCTIONS — 12V CHEVROLET "CORVETTE" MODEL 3711897

GENERAL:

MOUNTING—1955 Chevrolet Corvette.

TUBES—Seven, Plus Rectifier and Trigger.

SPEAKER—8" Round, Permanent Magnet.

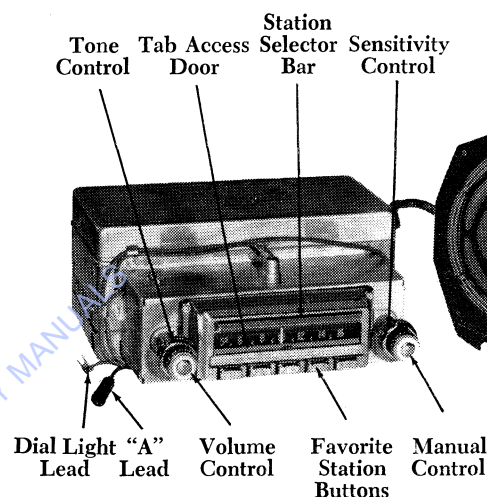
TUNING—Electronic, Push Button, and Manual.—Series F-1.

ANTENNA TRIMMER COMPENSATION—0.000140 - 0.000200 Mfd.

TUNING RANGE—540 - 1600 KC.

PUSH BUTTON SET-UP:

1. Open the hinged door below the dial exposing the selector tabs.
2. Tune in the desired signal nearest the left end of the dial.
3. Move the first selector tab (one farthest left) until it lines up with the pointer tip.
4. Repeat set-up steps 2 and 3 for the remaining selector tabs, choosing stations from left to right on the dial.
5. Check the settings of each selector tab by depressing the corresponding station selector button. If the correct station is not tuned in re-adjust the selector tab.



SIGNAL SEEKING TUNER ALIGNMENT PROCEDURE:

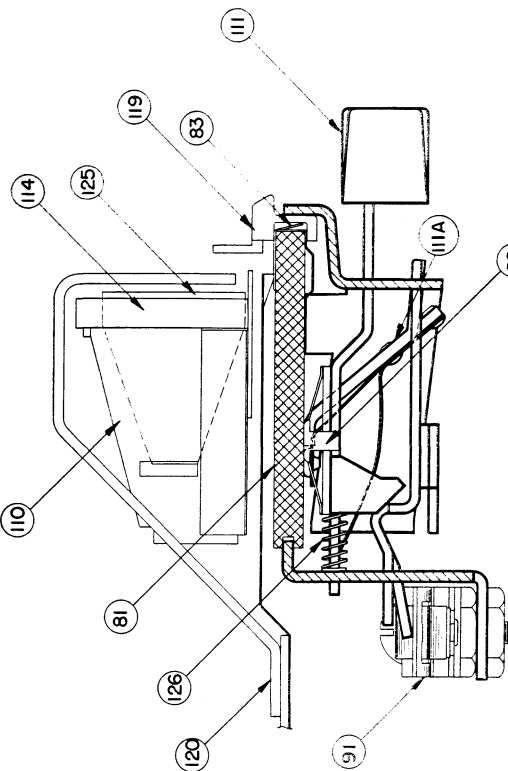
Output Meter ConnectionVTVM From AVC To Chassis (see parts layout page 2)
Generator ReturnReceiver Chassis
Dummy AntennaIn Series With Generator
Volume ControlMaximum Volume
Sensitivity ControlPosition 2. (Position 1 is Maximum)
Tone ControlTreble
Generator OutputUnmodulated Not To Exceed 2 Volts AVC

Step	Dummy Antenna	Connect To	Signal Generator Frequency	Tune Receiver To	Adjust in Sequence for Output Indicated
1	0.1 Mfd.	12BE6 Grid (Pin 7)	260 KC	High Freq. Stop	A, B, C Max.
2	0.1 Mfd.	12BE6 Grid (Pin 7)	260 KC	High Freq. Stop	D Min.
3	0.000180 Mfd.	Antenna Connector	1615 KC	High Freq. Stop	*E, F, G Max.
4	0.000180 Mfd.	Antenna Connector	600 KC	Signal Gen. Signal	J, K Max.
5	0.000180 Mfd.	Antenna Connector	1615 KC	Signal Gen. Signal	F, G Max.
6	0.000180 Mfd.	Antenna Connector	1000 KC	Signal Gen. Signal	**L

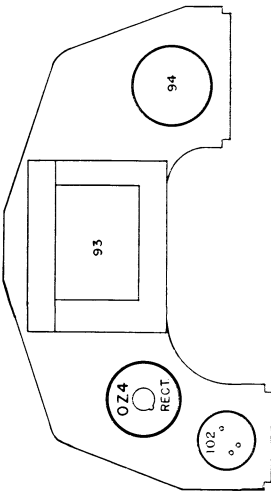
*Before making this adjustment, check the setting of oscillator core "H." The rear of the core should be $1\frac{1}{8}$ " from the mounting end of the coil form. This measurement is readily made by inserting a suitable plug in the mounting end of the coil form. The core adjustment is made from the mounting 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.

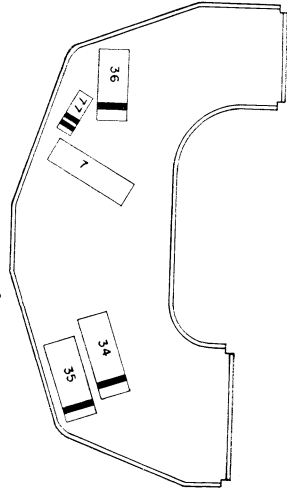
With the radio installed and the antenna plugged in, adjust antenna trimmer "G" (See sticker on case) for maximum volume with the radio tuned to a weak station from 600 to 1000 KC.



PORTION OF DRAWING OUTLINED IN HEAVY LINES IS THE BUTTON AND SLIDE ASSY., ILLUS. III.
Tuner Button Mechanism—Cross Section
SPEAKER—POWER SUPPLY UNIT

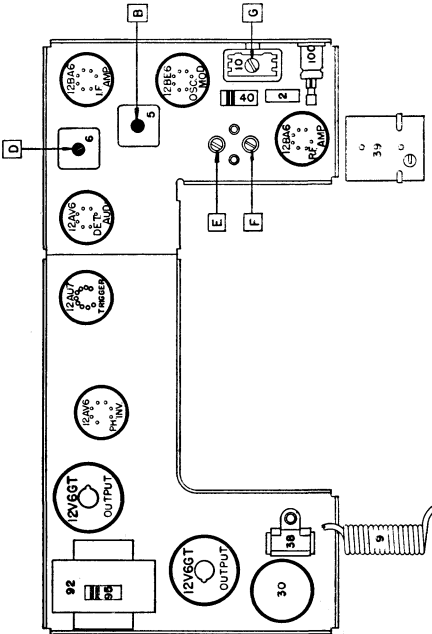


Parts Layout—Tube View

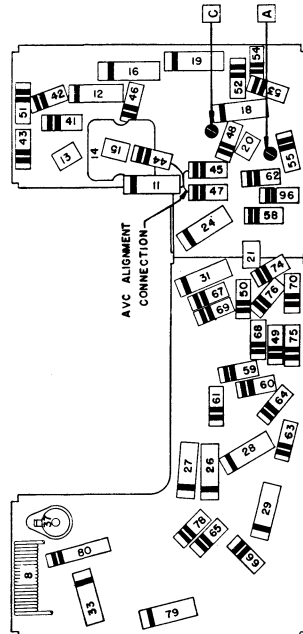


Parts Layout—Chassis View

RF - AUDIO UNIT

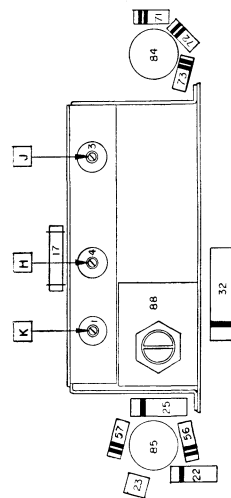


Parts Layout—Tube View



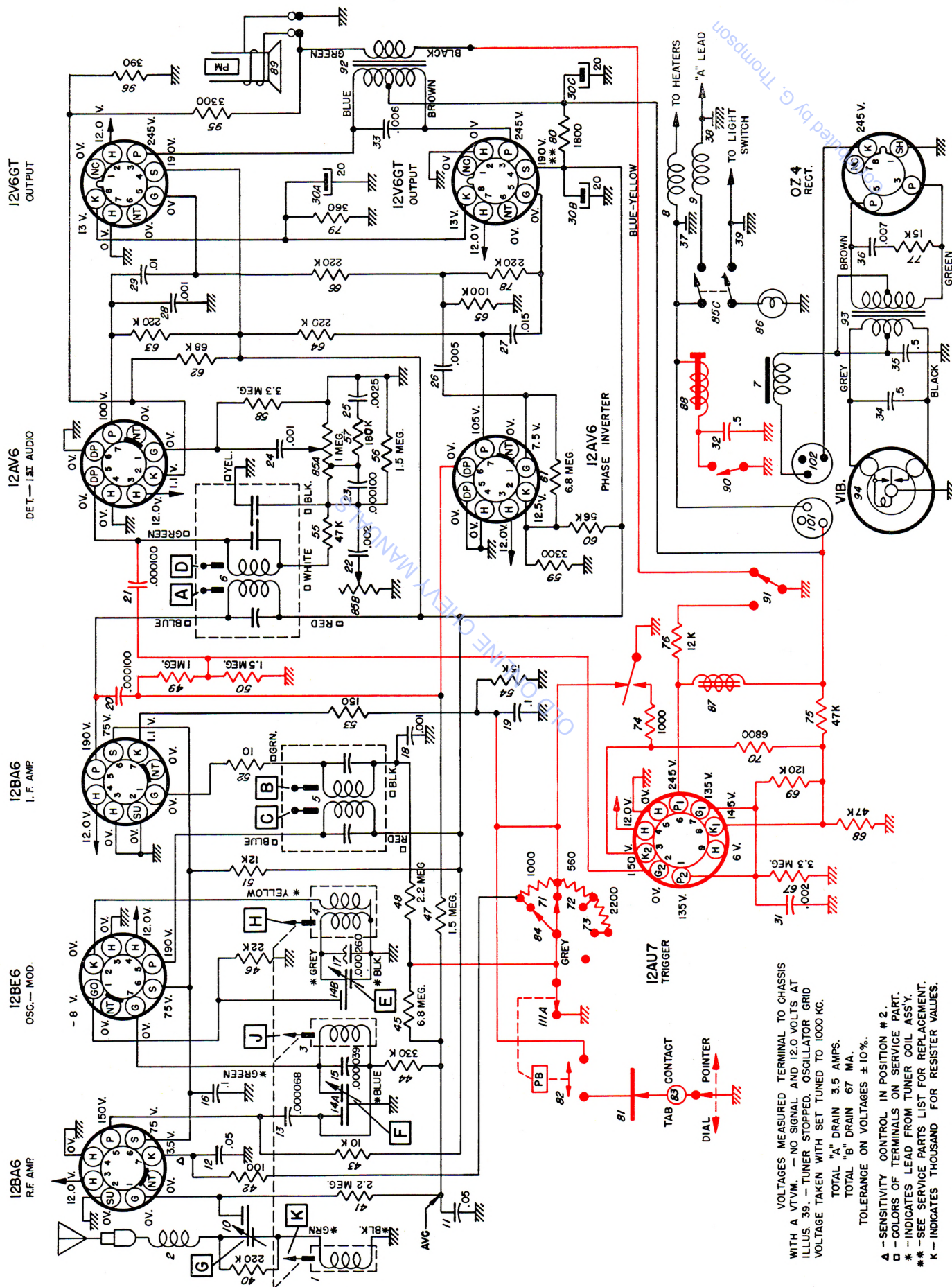
Parts Layout—Chassis View

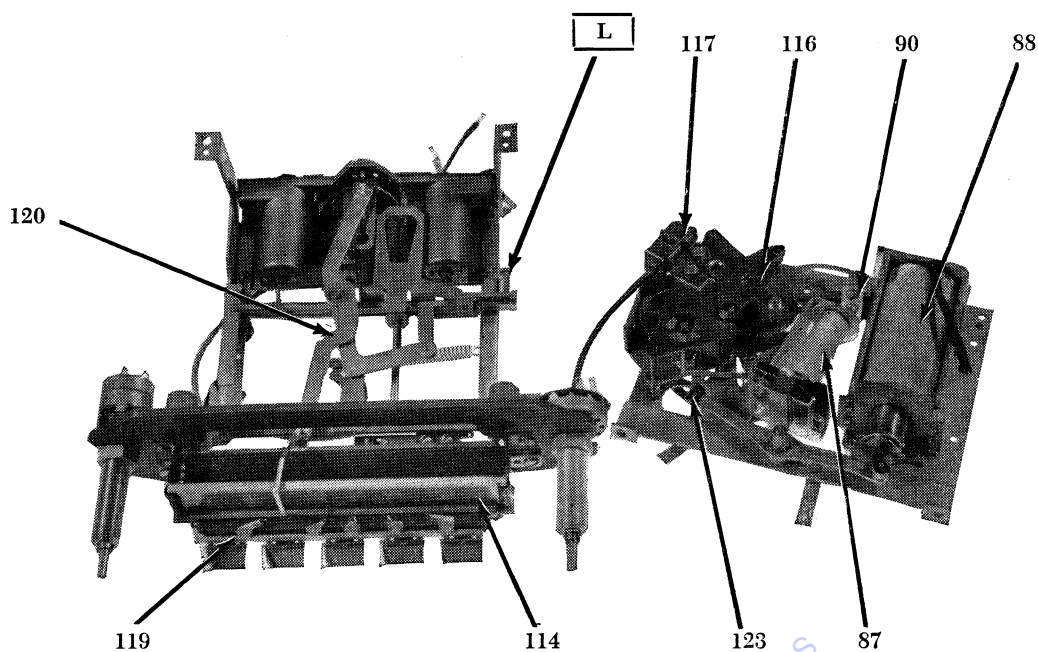
Connect vacuum tube voltmeter between AVC line and ground during alignment.



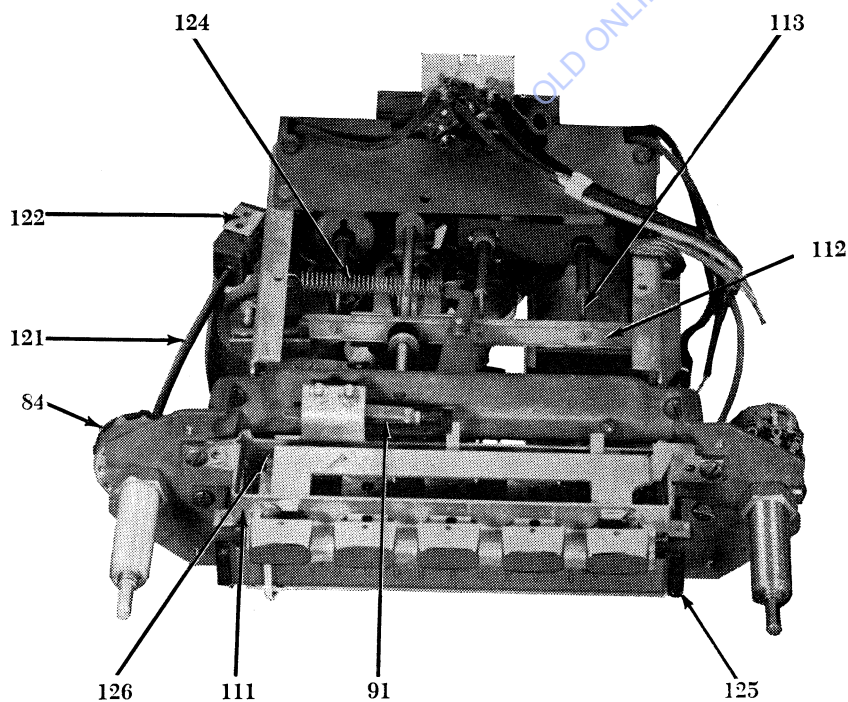
Parts Layout—Coil View

NOTE: This radio uses Series F-1 Tuner. For complete tuner information see Bulletin 6-D 621.

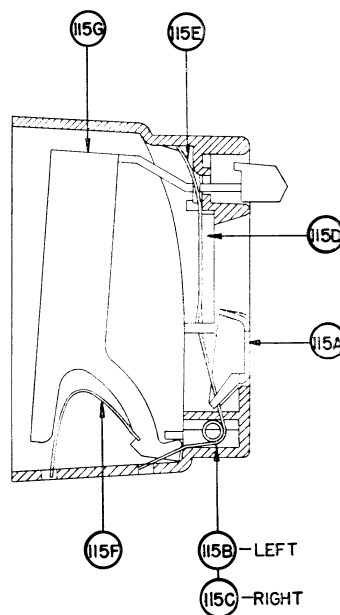




TUNER — OPEN



TUNER



ESCUTCHEON
 CROSS-SECTION

NOTE: This radio uses a Series F-1 Tuner. For additional tuner information see Bulletin 6D-621.

Contributed by G. Thompson

SERVICE PARTS LIST

Chevrolet Model 3711897

Illus. No.	Service Part No.	Description
ELECTRICAL PARTS		
Coils		
1	7257979	Antenna
2	7255738	Antenna Series Choke
3	7257979	R.F.
4	7263287	Oscillator
5	1219508	1st I.F.
6	1220204	2nd I.F.
*7	*1220683	Power Transformer Choke
8	1217846	Heater Choke
9	1217846	"A" Lead Choke
Capacitors		
10	7264097	Antenna Trimmer
11	6512	.05 mfd 200V. Tubular (†7236842)
12	6512	.05 mfd 200V. Tubular (†7236842)
13	G-680	.000068 mfd Molded Mica
14	7242454	Dual Trimmer
14A		R.F. Section
14B		Oscillator Section
15	G-390	.000039 mfd Molded Mica
16	6513	.1 mfd 400V. Tubular (†7238788)
17	7257567	.00026 mfd Temp. Compensating
18	6527	.001 mfd 600V. Tubular (†1218883)
19	6590	.1 mfd 200V. Tubular (†7238789)
20	1219498	.0001 mfd Molded Mica, 5%
21	1219498	.0001 mfd Molded Mica, 5%
22	6528	.002 mfd 600V. Tubular (†1219632)
23	G-101	.0001 mfd Molded Mica
24	6527	.001 mfd 600V. Tubular (†1218883)
25	7240578	.0025 mfd 400V. Tubular (†7240578)
26	6531	.005 mfd 600V. Tubular (†7230912)
27	7237719	.015 mfd 600V. Tubular (†7237719)
28	6527	.001 mfd 600V. Tubular (†1218883)
29	6533	.01 mfd 600V. Tubular (†1208600)
30	M-908	Electrolytic (†7200724)
30A		20 mfd 25V.
30B		20 mfd 400V.
30C		20 mfd 400V.
31	6528	.002 mfd 600V. Tubular (†1219632)
32	6592	.5 mfd 200V. Tubular (†1219511)
33	H-602	.006 mfd 800V. Tubular (†1219084)
34	6592	.5 mfd 100V. Tubular (†7257906)
35	6592	.5 mfd 100V. Tubular (†7257906)
36	H-702	.007 mfd 1600V. Tubular (†1220153)
37	1217848	Chassis Plate
38	1212278	Spark Plate
39	7262937	Spark Plate Assy.
Resistors		
40	1227	220,000 ohms ½W
41	1239	2.2 Megohms ½W
42	1113	100 ohms ½W
43	1174	10,000 ohms 1W
44	1229	330,000 ohms ½W
45	1245	6.8 Megohms ½W
46	1215	22,000 ohms ½W
47	1237	1.5 Megohms ½W
48	1239	2.2 Megohms ½W
49	1220169	1 Megohm ½W 5%

† Number stamped on part but not same as Service Part No.

* Part first available in 1955.

SERVICE PARTS LIST

Illus. No.	Service Part No.	Description
Resistors (continued)		
50	1219492	1.5 Megohm $\frac{1}{2}$ W 5%
51	1276	12,000 ohms 2W
52	1101	10 ohms $\frac{1}{2}$ W
53	1115	150 ohms $\frac{1}{2}$ W
54	1213	15,000 ohms $\frac{1}{2}$ W
55	1219	47,000 ohms $\frac{1}{2}$ W
56	1219492	1.5 Megohms $\frac{1}{2}$ W 5%
57	1226	180,000 ohms $\frac{1}{2}$ W
58	1241	3.3 Megohms $\frac{1}{2}$ W
59	1131	3300 ohms $\frac{1}{2}$ W
60	1220213	56,000 ohms 1W 5%
61	1245	6.8 Megohms $\frac{1}{2}$ W
62	1261	68,000 ohms 1W
63	1227	220,000 ohms $\frac{1}{2}$ W
64	1227	220,000 ohms $\frac{1}{2}$ W
65	1223	100,000 ohms $\frac{1}{2}$ W
66	1227	220,000 ohms $\frac{1}{2}$ W
67	1241	3.3 Megohms $\frac{1}{2}$ W
68	1259	47,000 ohms 1W
69	1224	120,000 ohms $\frac{1}{2}$ W
70	1172	6800 ohms 1W
71	1125	1000 ohms $\frac{1}{2}$ W
72	1122	560 ohms $\frac{1}{2}$ W
73	1129	2200 ohms $\frac{1}{2}$ W
74	1220176	1000 ohms $\frac{1}{2}$ W 5%
75	1220188	47,000 ohms 1W 5%
76	1252	12,000 ohms 1W
77	1253	15,000 ohms 1W (carbon rod type)
78	1227	220,000 ohms $\frac{1}{2}$ W
79	7234563	360 ohms 1W
80	1204	1800 ohms (replace with 1204 and
	1171	1171 in parallel)
95	1131	3300 ohms $\frac{1}{2}$ W
96	1120	390 ohms $\frac{1}{2}$ W
Tubes		
	12AV6	12AV6
	12BA6	12BA6
	12BE6	12BE6
	12V6GT	12V6GT
	12AU7	12AU7
	0Z4	0Z4
Miscellaneous		
81	7263916	Board, Tab Rail
82	1220193	Contact, Push Button Slide (set of 5)
83	1220191	Contact, Selector Tab (set of 5)
84	*7265570	Control, Sensitivity
85	*7265569	Control, Volume, Tone, and Switch
85A		Volume Control
85B		Tone Control
85C		On-off Switch
86		Dial Light Bulb #57
87	1220326	Relay
88	1220685	Solenoid and Plunger Assy.
89	6105	Speaker 8" Round PM (†7264182)
90	7263340	Switch, Tuner Return
	7259072	"U" Spring
91	7263912	Switch, Station Selector
	7259072	"U" Spring
92	6063	Transformer, Output
93	6067	Transformer, Power
* 94	*7265528	Vibrator, 12V.

† Number stamped on part but not same as Service Part No.

* Part first available in 1955.

Contributed by G. Thompson

SERVICE PARTS LIST

Illus. No.	Service Part No.	Description
MECHANICAL PARTS		
R-F Audio Chassis		
100	7239475	Antenna Connector
	6072	Socket, 7 pin miniature
	6073	Socket, 9 pin miniature
	6070	Socket, Octal
	1220174	Socket, Dial Light
101	1220183	Socket Pkg., Cable Connecting
	7262464	Tube Retainer
Power Supply Chassis		
102	6133	Plug, cable connecting
	6074	Socket, vibrator
Tuner		
110	7264086	Backplate, Dial
111	1220282	Button and Slide Assy.
111A		Contact, Grounding (Service with above Ass'y.)
112	7259178	Core Bar Assembly
113	1220355	Core, Powdered Iron Tuning
114	7264102	Dial, Calibrated
115	7264098	Escutcheon
115A	1220190	Door, Tab Access
115B	7263411	Spring, Access Door, Left
115C	7263412	Spring, Access Door, Right
115D	7263408	Glass, Dial
115E	7263409	Spring, Dial Glass Retainer
115F	7263439	Spring, Station Selector Bar
115G		Station Selector Bar (Service with Escutcheon)
*116	*7265765	Gear Train Assembly
*116A	*1220673	Worm Gear Pkg.
119	1220192	Indicator, Selector Tab (set of 5)
120	7263360	Pointer Arm Assembly
*121	*7265571	Shaft, Manual Drive
122	7259207	Spring, Anti-Squeak, worm gear
123	6047	Spring Clip
124	7259055	Spring, Gear Train Power
125	7264616	Spring, Dial Retainer
126	7263371	Spring, Slide Return
INSTALLATION PARTS		
	6030	Capacitor, (.5 mfd) Generator (†1911095)
	455640	Fuse, 7½ amp.
	7264150	Knob, Control
	1341337	Knob, Sensitivity
	1341536	Knob, Tone

† Number stamped on part but not same as Service Part No.

* Part first used in 1955.