DELCO
electronic parts
AUTO RADIO BULLETIN

Bulletin	6D-944
Buick	981902
Date:	10-15-57
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FIRST ISSUE

SUBJECT: SERVICE INSTRUCTIONS - BUICK SONOMATIC WITH PUSH BUTTON TUNING - MODEL 981902

GENERAL

MOUNTING—All 1958 Buick Cars.

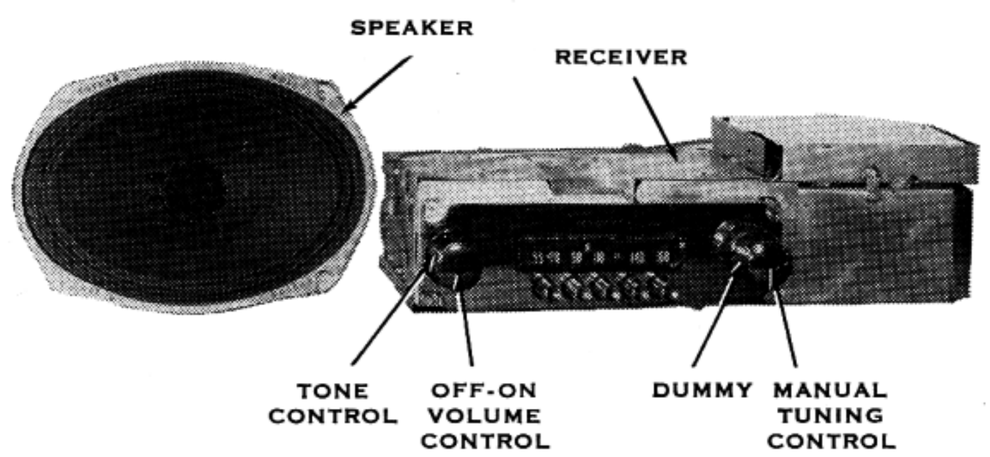
TUBES—Six, plus Rectifier.

SPEAKER—6″ x 9″ Elliptical, Permanent Magnet.

TUNING—Manual and 5 P.B. Mechanical.

ANTENNA TRIMMER COMPENSATION—For Antennas Between 0.000050 - 0.000095 Mfd.

TUNING RANGE—550 - 1600 KC.



MODEL 981902

PUSH BUTTON SET-UP PROCEDURE

Pull Push Button to the left and out. Tune in desired station manually. Push button all the way in.

ALIGNMENT PROCEDURE

Output Meter Connections.....Across Voice Coil

Generator Return.....To Receiver Chassis

Dummy Antenna.....In Series With Generator

Volume Control Position.....Maximum Volume

Tone Control Position.....Treble

Generator Output.....Minimum for Readable Indication

Step	Series Condenser or Dummy Antenna	Connect Signal Generator To	Signal Generator Frequency	Tune Receiver to	Adjust in Sequence For Max. Output
1	0.1 Mfd.	12BE6 Grid (Pin #7)	262 KC	High Frequency Stop	A, B, C, D
2	.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	* E, F, G
3	.000082 Mfd.	Antenna Connector	600 KC	Signal Generator Signal	J, K
4	.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	F, G
5	.000082 Mfd.	Antenna Connector	600 KC	Signal Generator Signal	L**

*Before making this adjustment check mechanical setting of oscillator core "H." The rear of the core should be 1 5/8″ 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.) Core adjustment should be made with a non-metallic screwdriver.

**L is the pointer adjustment screw which is on the connecting link, between the pointer assembly and the parallel guide bar. It should be adjusted so that the dial pointer corresponds with the 600 KC mark on the dial.

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

6CO, 6EWD, ESD, FD, 131.

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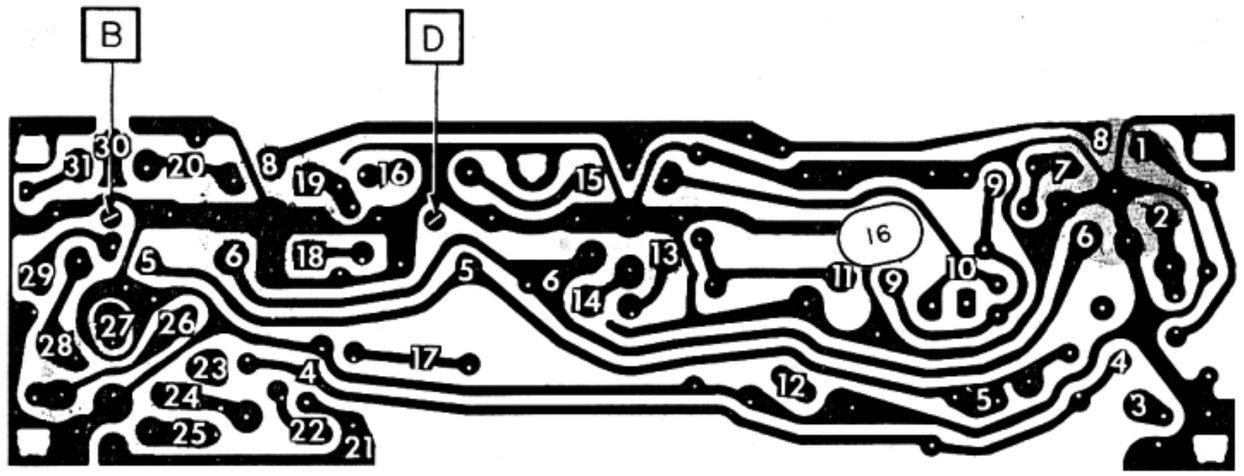
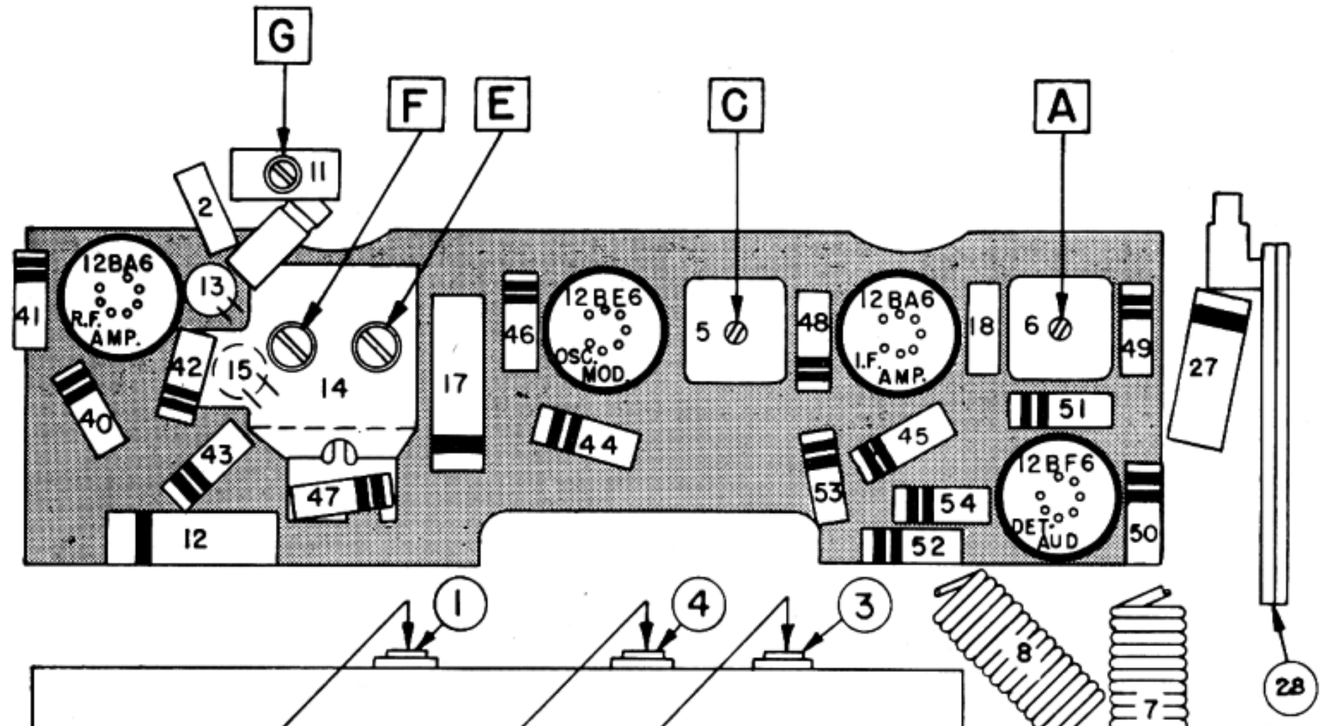
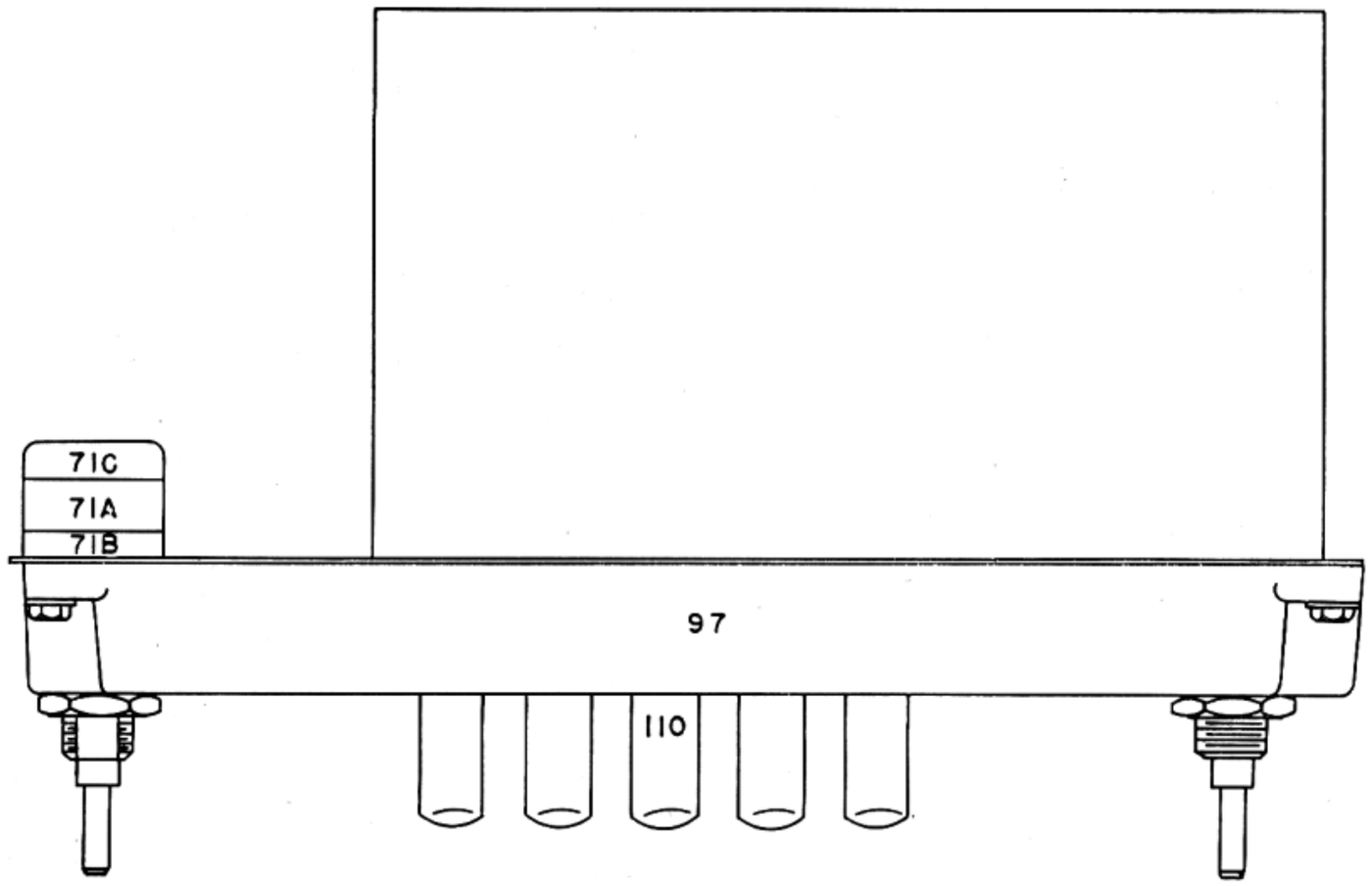
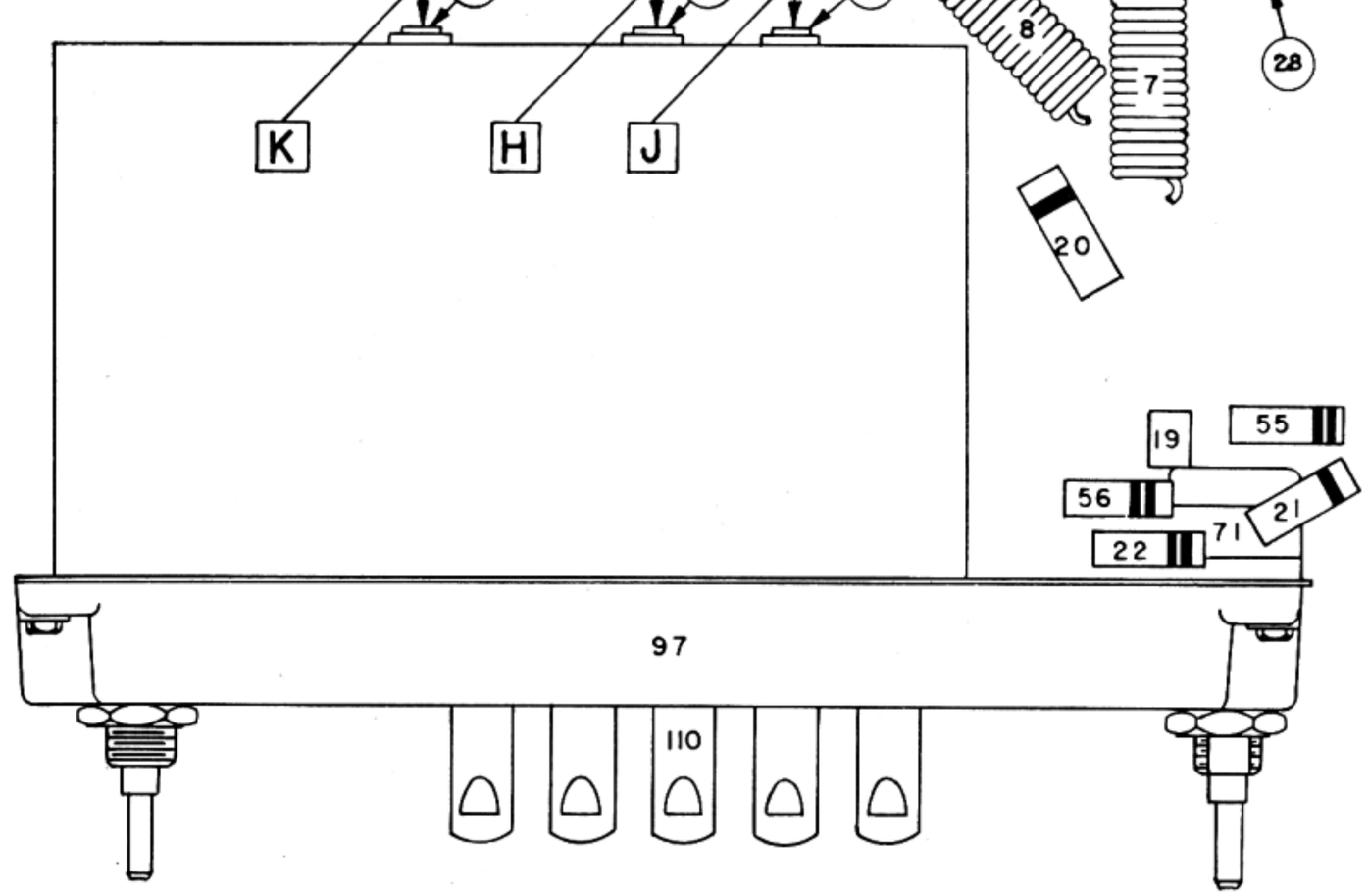




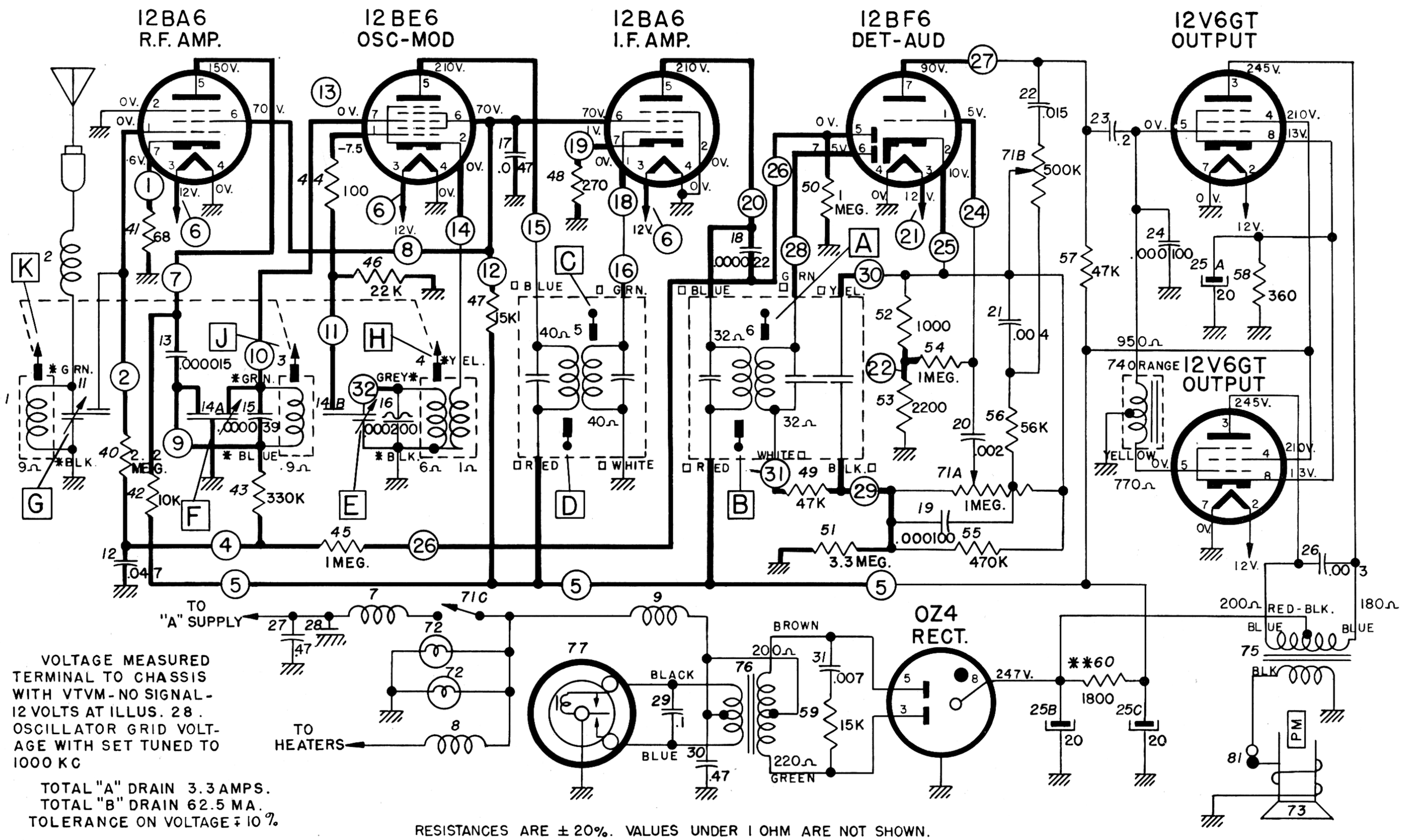


PARTS LAYOUT—CHASSIS VIEW



PART LAYOUT—TUBE VIEW

WHITE NUMBERS ON PRINTED CIRCUIT BOARD DRAWING CORRESPOND TO NUMBERS ENCIRCLED ON SCHEMATIC.



BUICK 981902—PRINTED CIRCUIT SHOWN IN HEAVY LINES

NOTE: FOR PRINTED CIRCUIT SERVICE PROCEDURES SEE BULLETIN 6D-555.

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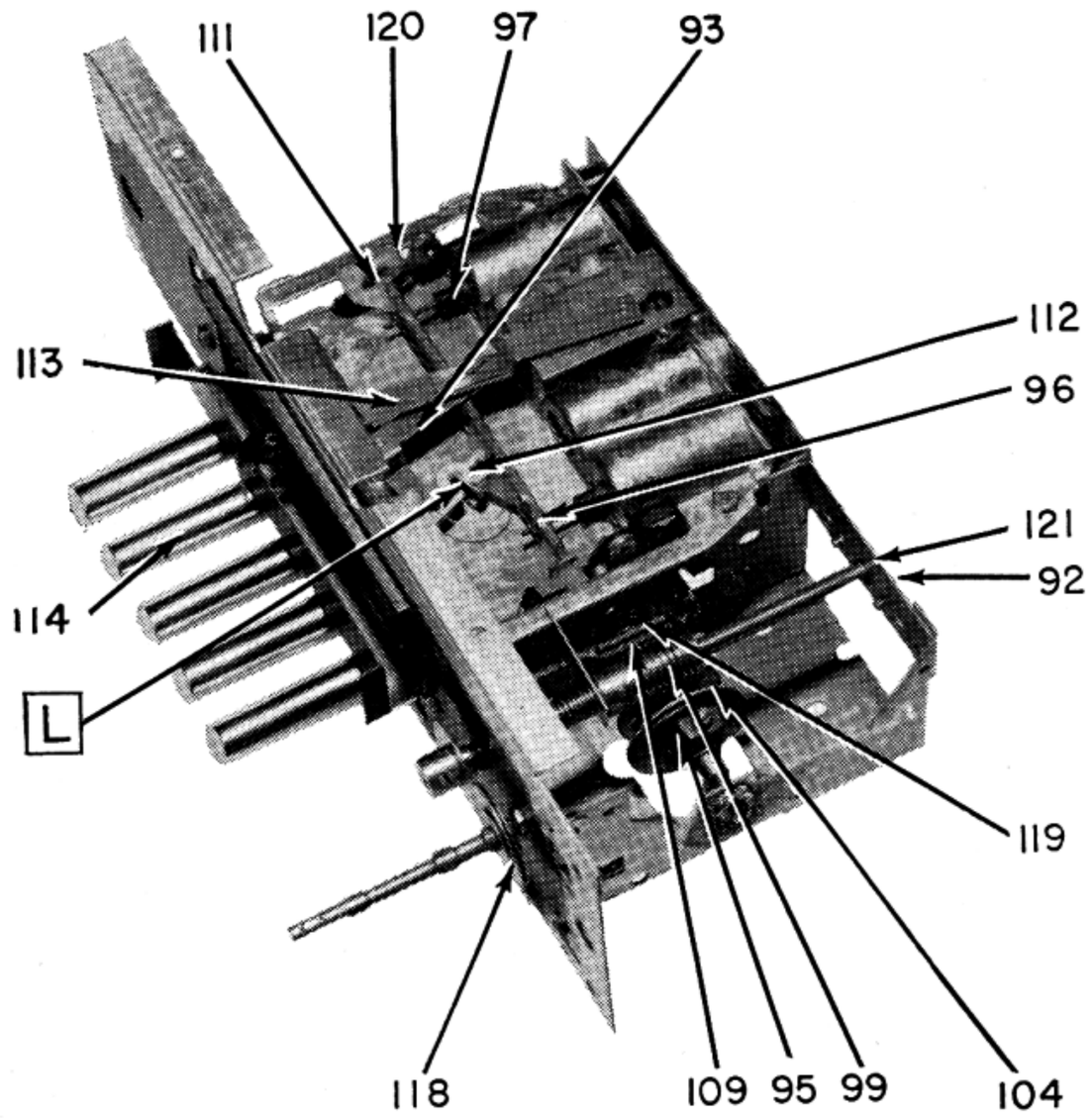
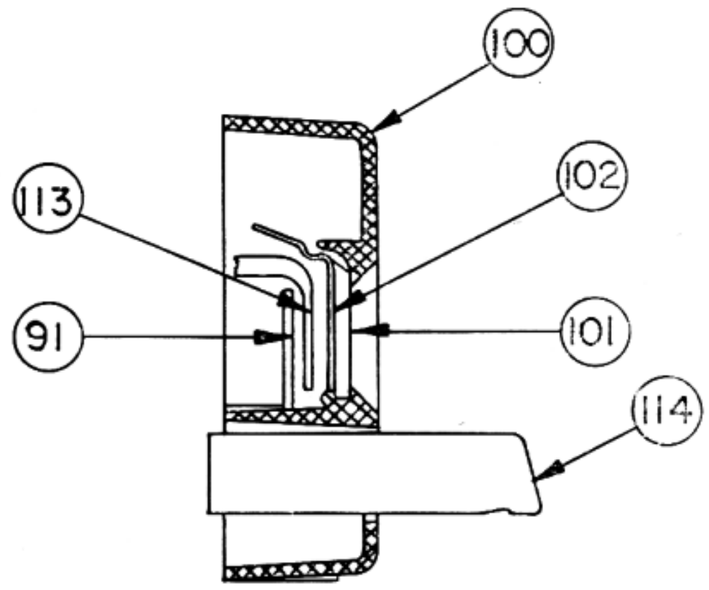
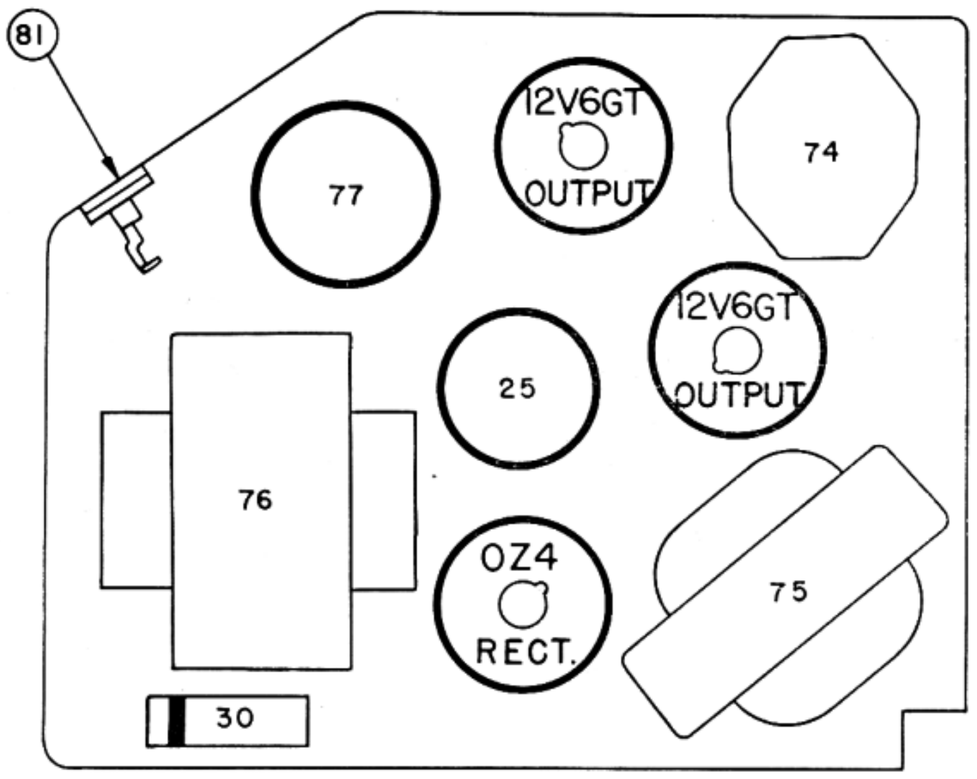


TUNER

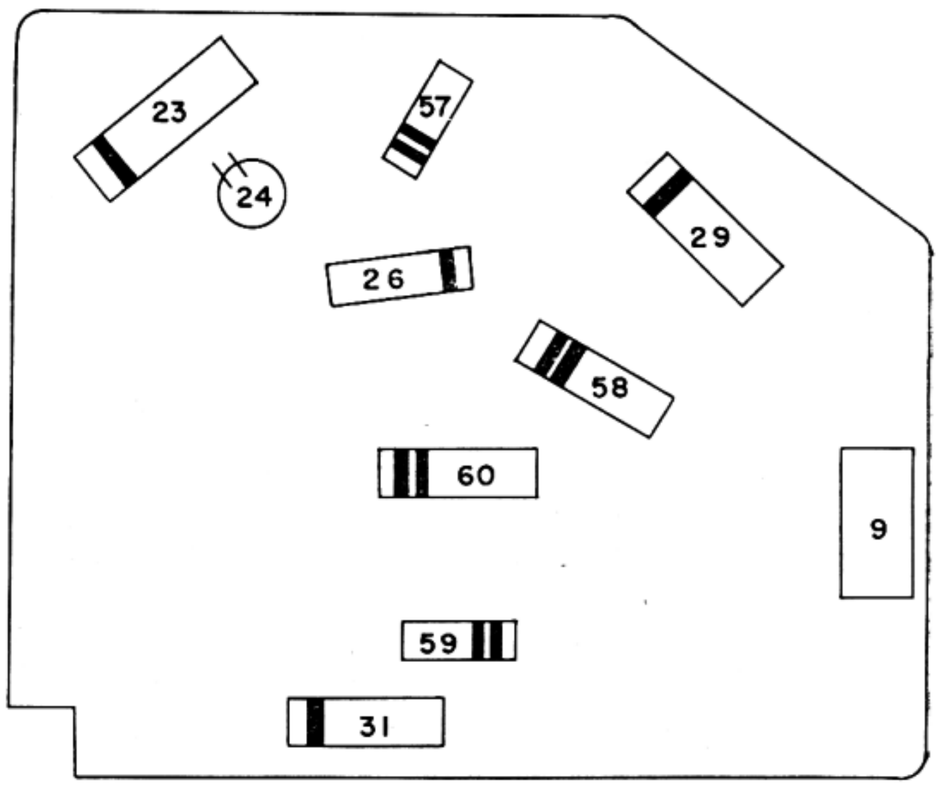


ESCUTCHEON CROSS SECTION

NOTE: FOR A COMPLETE DISCUSSION OF THE SERIES P2 PUSH BUTTON TUNER SEE BULLETIN 6D-622.



PARTS LAYOUT—TUBE VIEW
(POWER SUPPLY)



PARTS LAYOUT—CHASSIS VIEW
(POWER SUPPLY)

SERVICE PARTS LIST
1958 BUICK PUSH BUTTON MODEL 981902

Illus. No.	Service Part No.	Description
		ELECTRICAL PARTS
		Coils
* 1	*1221138	Coil, antenna tuning
2	7255738	Antenna Series Choke
* 3	*1221138	Coil, R. F. tuning
* 4	*1221139	Coil, oscillator tuning
5	1220990	1st I. F. Coil Assembly
6	1220992	2nd I. F. Coil Assembly
7	1221077	Choke, "A" lead filter
8	1217846	Choke, hash
9	1221077	Choke, "A" filter
		Capacitors
11	7269079	Antenna Trimmer & Mtg. Bracket
12	6612	.047 Mfd., 200 Volt, tubular
13	6361	.000015 Mfd., 500 Volt, ceramic
14	7268828	Dual Trimmer
14A		R. F. Section
14B		Oscillator Section
15	6366	.000039 Mfd., 500 Volt, ceramic
* 16	*7270129	.000200 Mfd., 300 Volt, ±5% (Temp. Comp.—Molded Mica)
17	6612	.047 Mfd., 400 Volt, tubular
18	6363	.000022 Mfd., Molded Mica
19	6371	.000100 Mfd., 500 Volt, ceramic
20	6628	.002 Mfd., 600 Volt, tubular
21	6630	.004 Mfd., 600 Volt, tubular
22	7237719	.015 Mfd., 600 Volt, tubular
23	6614	.2 Mfd., 400 Volt, tubular
24	7265995	.000100 Mfd., ceramic
25	6322	Electrolytic
25A		20 Mfd., 25 Volt
25B		20 Mfd., 400 Volt
25C		20 Mfd., 400 Volt
26	6563	.003 Mfd., 1000 Volt, tubular
27	6692	.47 Mfd., 100 Volt, tubular
28	1221054	Spark Plate
29	6690	.1 Mfd., 200 Volt, tubular
30	6692	.47 Mfd., 100 Volt, tubular
31	6567	.007 Mfd., 1600 Volt, tubular
		Resistors
40	1239	2.2 Megohms, ½ Watt
41	1111	68 Ohms, ½ Watt
42	1174	10,000 Ohms, 1 Watt
43	1229	330,000 Ohms, ½ Watt
44	1113	100 Ohms, ½ Watt
45	1235	1.0 Megohms, ½ Watt
46	1215	22,000 Ohms, ½ Watt
47	1277	15,000 Ohms, 2 Watt
48	1118	270 Ohms, ½ Watt
49	1219	47,000 Ohms, ½ Watt
50	1235	1.0 Megohms, ½ Watt
51	1241	3.3 Megohms, ½ Watt
52	1125	1,000 Ohms, ½ Watt
53	1129	2,200 Ohms, ½ Watt
54	1235	1.0 Megohms, ½ Watt
55	1231	470,000 Ohms, ½ Watt
56	1220	56,000 Ohms, ½ Watt
57	1259	47,000 Ohms, 1 Watt
58	7234563	360 Ohms, 1 Watt, ±5%, Wire Wound
59	1253	15,000 Ohms, 1 Watt
60	1204 } 1171 }	18,000 Ohms, 2 Watt (Replace with 2700 ohms, 2 Watt and 5600 Ohms, 1 Watt resistors connected in parallel)
		Tubes
	12BA6	12BA6 Tube (2)
	12BE6	12BE6 Tube
	12BF6	12BF6 Tube
	12V6GT	12V6GT Tube (2)
	0Z4	0Z4 Tube

* Part first used in 1958.

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SERVICE PARTS LIST
1958 BUICK PUSH BUTTON MODEL 981902

Illus. No.	Service Part No.	Description
		Miscellaneous Electrical
* 71	*7271329	Control, volume, tone and switch
71A		Volume
71B		Tone
71C		Switch, on-off
72	456985	Lamp, dial light #1891
73	7269084	Speaker, 6" x 9", PM
74	1220902	Transformer, input
75	7266997	Transformer, output
76	7269118	Transformer, vibrator power
77	8555	Vibrator, 12-Volt, 3 Prong
		MECHANICAL PARTS
		Chassis
	7269078	Shield, tube, 12BA6 and 12BE6
	7269692	Socket, dial light
81	7269662	Socket, speaker connector
	6075	Socket, tube, 7-pin miniature (printed circuit)
	6075	Socket, tube, 7-pin miniature (printed circuit)
	6070	Socket, tube, octal
	6074	Socket, vibrator, 12 Volt, 3 prong
		Tuner
91	7268941	Backplate, pointer
* 92	*7269546	Bearing Plate, drive shaft
* 93	*1221142	Bell Crank Pkg., pointer
94	7268912	Bushing, manual shaft
* 95	*7271181	Clutch Disc, adjustable
	6085	Setscrew, slab head
96	7268626	Core Bar
97	7268687	Core, tuning
98	7269692	Dial Light Assembly
* 99	*1221168	Drive Shaft and Worm
100	7269086	Escutcheon Assembly
101	7268943	Dial, calibrated
102	7268942	Backplate, dial
*103	*1221179	Finger Bar, declutching
*104	*1221175	Gear and Bushing, clutch anti-backlash
105	7258565	Grommet, antenna and RF coils
106	7258564	Grommet, oscillator coil
*107	*7271382	Hex Nut, treadle pivot
*108	*7271516	Housing, tuning coils
*	*7271505	Sleeve, antenna and RF coil
*109	*1221120	Lever Pkg., clutch operating
*110	*7270006	Roller (1)
111	7268078	Link, core bar connecting
*112	*7270245	Link, pointer calibration adjustment
113	1221057	Pointer Assembly
114	1221055	Pushbuttons, Front Bearing Plate and Slides (Set of 5 buttons)
	6086	Screw, R.F. circuit board mounting
115	128036	Setscrew, driven friction wheel
117	7268723	Setscrew, treadle pivot
*118	*1221185	Shaft and Wheels Pkg., manual tuning (Includes both wheels)
*119	*1221149	Spring Pkg., clutch operating
120	7268072	Spring, core bar connecting link
*121	*7270344	Spring, drive shaft rear bearing
122	7268717	Spring, finger bar return (flat type spring, # if coil spring, replace complete finger bar assembly)
123	7268610	Spring, pointer calibration link
*124	*7271706	Spring, pointer pivot
125	1220975	Spring, Pkg., pushbutton slide return (Set of 5 springs)
		Installation Parts
	6030	Capacitor, generator
	6030	Capacitor, ignition coil
	6030	Capacitor, voltage regulator
	455640	Fuse, 7½ amperes
	6284	Grommet, audio-power unit mtg.
	6048	Hex Nut, mounting
	1174606	Knob, control
	1175235	Knob, dummy
	1175236	Knob, tone control
	1170195	Washer, felt

* Part first used in 1958.