



# UNITED MOTORS SERVICE

DIVISION OF GENERAL MOTORS CORPORATION

General Offices - Detroit

## AUTO RADIO BULLETIN

Bulletin 6D-850

Chevrolet 986668

Date: 1-1-53

Page 1

**SUBJECT: SERVICE INSTRUCTIONS — CHEVROLET CUSTOM DELUXE WITH PUSH BUTTONS — MODEL 986668**

### GENERAL

**MOUNTING**—All 1953 Chevrolet Cars.

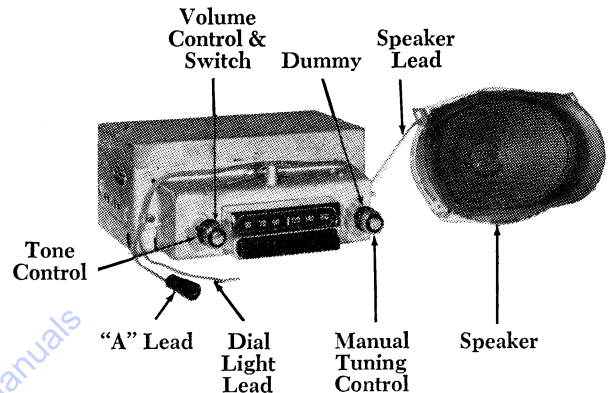
**TUBES**—Five, plus rectifier.

**SPEAKER**—6"x9" Elliptical, Permanent Magnet.

**TUNING**—Manual and 5 P. B. Mechanical.

**ANTENNA TRIMMER COMPENSATION**—For Antennas Between 0.000058 - 0.000090 Mfd.

**TUNING RANGE**—540-1600 KC.



MODEL 986668

### PUSH BUTTON SETUP PROCEDURE

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

### ALIGNMENT PROCEDURE

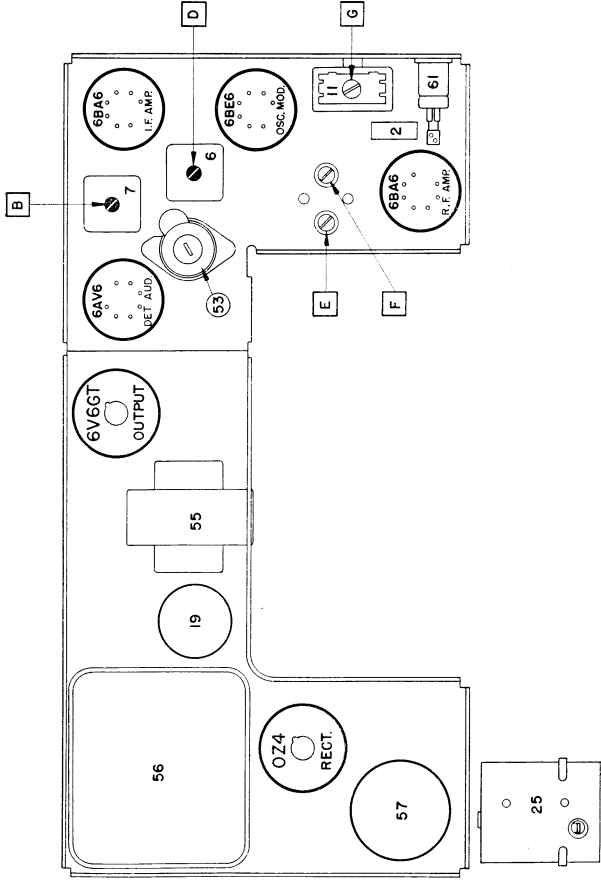
Output Meter Connections ..... Across Voice Coil  
 Generator Return ..... To Receiver Chassis  
 Dummy Antenna ..... In Series With Generator  
 Volume Control Position ..... Maximum Volume  
 Tone Control Position ..... Middle Position  
 Generator Output ..... Minimum for Readable Indication

Steps	Series Capacitor or Dummy Antenna	Connect Signal Generator to	Signal Generator Frequency	Tune Receiver to	Adjust in Sequence For Max. Output
1	0.1 Mfd.	6BE6 Grid (Pin #7)	262 KC	High Frequency Stop	A, B, C, D
2	0.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	*E, F, G
3	0.000082 Mfd.	Antenna Connector	1000 KC	Signal Generator Signal	J, K
4	0.000082 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	F, G
5	0.000082 Mfd.	Antenna Connector	900 KC	Signal Generator Signal	L**

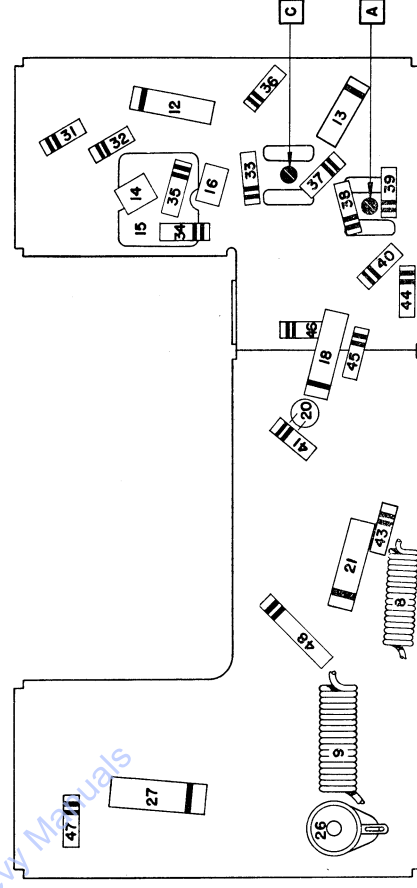
\*Before making this adjustment check mechanical setting of oscillator core "H." The rear of the core should be 1 25/32" from the mounting end of the coil form. (This measurement is readily made by inserting a suitable plug in the mounting end of the coil form.) Core adjustment should be made with an insulated screw driver.

\*\*L is the pointer adjustment screw which is on the connecting link, between the pointer assembly and core guide bar (See tuner Dwg.). It should be adjusted so that when looking directly at the dial the pointer is on the 900 KC mark. This setting is to give the correct relationship between the pointer and the dial when the radio is installed in a car.

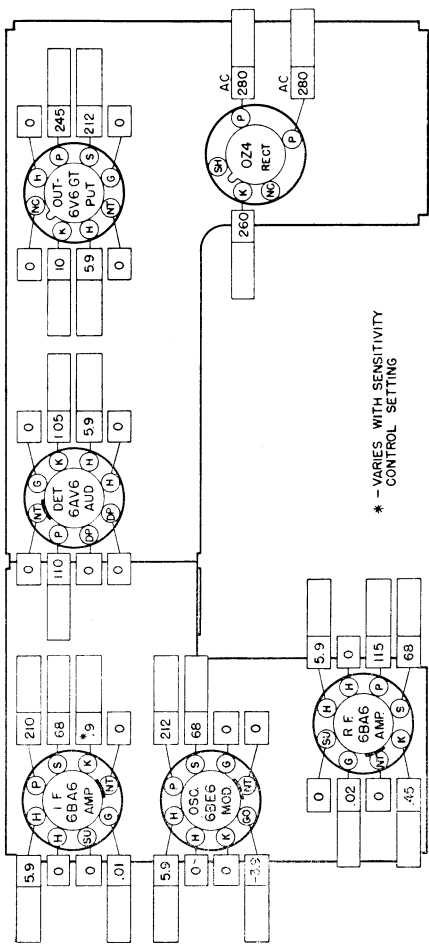
With the radio installed and the car antenna plugged in adjust the antenna trimmer "G" for maximum volume with the radio tuned to a weak station between 600 and 1000 KC (see sticker on case).



PARTS LAYOUT — TUBE VIEW



PARTS LAYOUT — CHASSIS VIEW



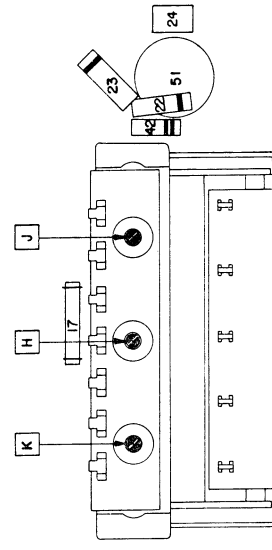
TUBE SOCKET VOLTAGE CHART

The tube socket voltages, as measured at the factory and under the conditions shown on the schematic diagram on page 3 are shown above. The blank spaces are provided so the serviceman may fill in the actual voltage readings as taken with his own equipment. A normal operating radio should be used for these measurements.

VOLTMETER RESISTANCE..... OHMS PER VOLT

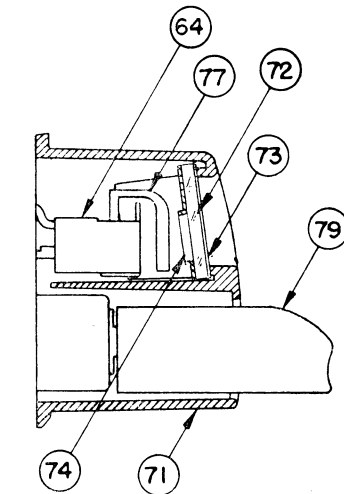
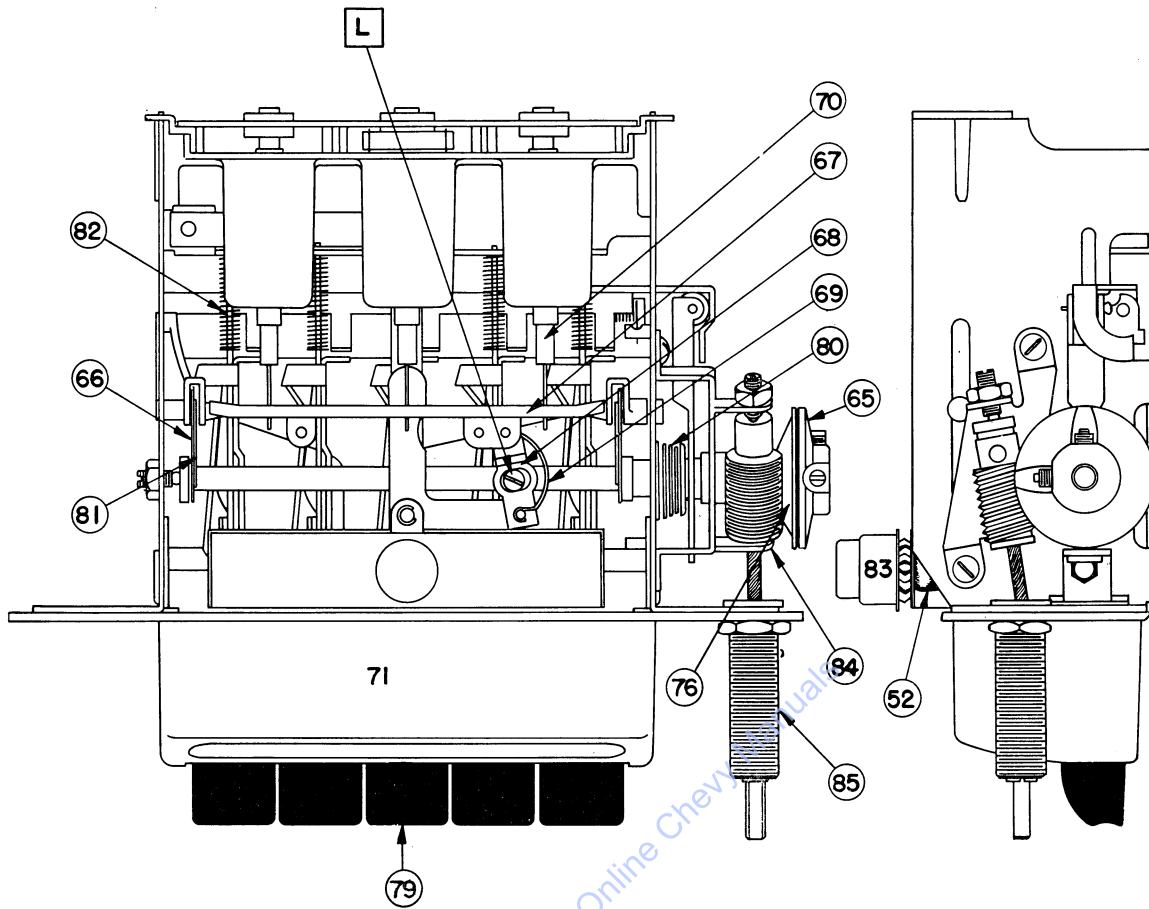
READINGS TAKEN WITH..... VOLTS AT SPARK PLATE

Voltage measured from socket terminals to chassis and are positive unless marked otherwise.



PARTS LAYOUT—COIL VIEW





ESCUTCHEON CROSS SECTION

NOTE: FOR COMPLETE SERVICE INFORMATION ON THE PUSH-PULL LOCK-UP TUNER  
SEE BULLETIN 6D-619

## SERVICE PARTS LIST

Illus. No.	Production Part No.	U.M.S. Part No.	Description
<b>ELECTRICAL PARTS</b>			
<b>Coils</b>			
1	7258914	7258914	Antenna
2	7255738	7255738	Antenna Series Choke
4	7258914	7258914	R.F.
5	7258911	7258911	Oscillator
6	7258188	1218725	1st I.F.
7	7258198	1218726	2nd I.F.
8	7262868	*7262868	Hash Choke
9	7262872	1217846	Hash Choke
<b>Capacitors</b>			
11	7262875	*7262875	Antenna Trimmer
12	7236841	6512	.05 mfd. 400 v. Tubular
13	7236842	6512	.05 mfd. 400 v. Tubular
14	1218371	G-100	.000010 mfd. Molded
15	7242454	7242454	Dual Trimmer
15A			R.F. Section
15B			Oscillator Section
16	7258221	G-390	.000039 mfd. Molded
17	7257424	7257424	.000180 mfd. Compensating
18	7236841	6512	.05 mfd. 600 v. Tubular
19	7240724	M-908	Electrolytic
19A			20 mfd. 25 v.
19B			20 mfd. 400 v.
19C			20 mfd. 400 v.
20	1219958	G-101	.000100 mfd. Molded
21	1219594	H-802	.008 mfd. 800 v. Tubular
22	1218499	1218499	.0015 mfd. 200 v. Tubular
23	1219632	6528	.002 mfd. 600 v. Tubular
24	7244063	G-331	.000330 mfd. Molded
25	7262937	7262937	Spark Plate
26	1217848	1217848	Chassis Plate Capacitor
27	7240906	H-602	.006 mfd. 1600 v. Tubular
<b>Resistors</b>			
31	1219677	1215558	68 Ohms 1/2 W. Insulated
32	1211147	A-225	2.2 Megohms 1/2 W. Insulated
33	1219678	C-153	15,000 Ohms 2 W. Insulated
34	1211091	B-153	15,000 Ohms 1 W. Insulated
35	7240732	A-334	330,000 Ohms 1/2 W. Insulated
36	1211192	A-223	22,000 Ohms 1/2 W. Insulated
37	7238873	A-105	1 Megohm 1/2 W. Insulated
38	7240731	A-473	47,000 Ohms 1/2 W. Insulated
39	7240732	A-334	330,000 Ohms 1/2 W. Insulated
40	1213479	A-224	220,000 Ohms 1/2 W. Insulated
41	1213479	A-224	220,000 Ohms 1/2 W. Insulated
42	1213270	A-104	100,000 Ohms 1/2 W. Insulated
43	7233773	B-331	330 Ohms 1 W. Insulated
44	1216129	*1216129	82,000 Ohms 1 W. Insulated
45	1214546	A-392	3900 Ohms 1/2 W. Insulated
46	1213482	A-391	390 Ohms 1/2 W. Insulated
47	1219738	B-221	220 Ohms 1 W. Insulated
48	1214573	C-272 } B-562 }	1800 Ohms 2 W. Wire Wound (Replace with 2700 Ohms 2 W. and 5600 Ohms 1 W. in parallel.)
<b>Tubes</b>			
	1217690	6BA6	6BA6
	1217691	6BE6	6BE6
	1218506	6AV6	6AV6
	1213793	6V6GT	6V6GT
	1211924	0Z4	0Z4
<b>Miscellaneous Electrical Parts</b>			
51	7262825	*7262825	Control — Volume, Tone and Switch
51A			Tone Control
51B			Volume Control
51C			Switch

\*Parts first used in 1953.

## SERVICE PARTS LIST

Illus. No.	Production Part No.	U.M.S. Part No.	Description
52	187189	44	Lamp — Dial
53	7262838	*7262838	Sensitivity Control
54	7262198	*6112	Speaker — 6x9 Elliptical P.M.
55	7260712	6062	Transformer — Audio Output
56	7262956	*1220163	Transformer — Power
57	7239124	8542	Vibrator

### MECHANICAL PARTS

#### Chassis

61	7239475	7239475	Socket — Antenna
	7258073	6072	Socket — 7 Pin Miniature
	7236279	6070	Socket — Octal Tube
	7239125	6036	Socket — Vibrator
	7262464	*7262464	Tube Retainer
62	1216747	*1216747	Socket — Speaker Jack
63	1851850	*1851850	Plug — Speaker

#### Tuner

64	7262843	*7262843	Backplate — Pointer
	147481	△6080	Ball Bearings (10)
65	7258072	7258072	Clutch — Disc Driven
66	7258203	7258203	Connecting Link — Core Bar
67	7262462	*7262462	Core Guide Bar
68	7262431	1220184	Pointer Connecting Link
69	7255992	7255992	Spring — Pointer Connecting Link
70	7258468	7258468	Core — Iron, Tuning
71	7262832	*7262832	Escutcheon Assembly
72	7262830	*7262830	Dial Glass
73	7262846	*7262846	Dial Gasket
74	7262837	*7262837	Dial Backplate
	7262840	*7262840	Spring — Dial Retainer
76	7260064	7260064	Gear and Bushing — Clutch
77	7262870	*7262870	Pointer Assembly
78	1220164	*1220164	Pointer Tip
79	1220166	*1220166	Push Button and Slide Assy.
80	7258756	7258756	Spring — Clutch
81	7257415	7257415	Spring — Core Bar Connecting Link
82	7255984	7255984	Spring — Slide Return
83	7262886	*1220174	Socket — Dial Light
84	7262841	*7262841	Worm Gear and Bracket Assy.
85	7262828	*7262828	Bushing and Manual Drive Shaft Assy.
86	7262827	*7262827	Drive Shaft Assy.

### INSTALLATION PARTS

	1911095	6030	Capacitor, Generator
	1910147	6030	Capacitor, Ignition Coil
	1917580	6030	Capacitor — Voltage Regulator
	147685	147685	Fuse
	1218728	1218728	Fuse Holder Assy.
	1219181		Ferrule, Spring & Bushing
	7257921		Fuse Holder Body — Male
	1216212		Fuse Holder Body — Female
	7262190	*7262190	Knob — Control Assembly
	7262188	*7262188	Knob — Dummy
	7262189	*7262189	Knob — Tone Control
	7262183	*7262183	Mounting Brace Assembly
	7262202	*7262202	Speaker Mounting Bracket — Left Hand
	7262200	*7262200	Speaker Mounting Bracket — Right Hand
	7257984	7257984	Serrated Pad
	494786	6009	Collector — Static
	7262185	*7262185	Trim Plate

△10 Ball Bearings are used in Radio. 6080 is a Package of 25 Bearings.

\* Parts first used in 1953.

\*Parts first used in 1953.