



UNITED MOTORS SERVICE

DIVISION OF GENERAL MOTORS CORPORATION

General Offices - Detroit

AUTO RADIO BULLETIN

Bulletin 6D-843

Chevrolet 986240

Date: 1-20-49

Page 1

SUBJECT: SERVICE INSTRUCTIONS — CHEVROLET CUSTOM DELUXE WITH PUSH BUTTONS — MODEL 986240

GENERAL

MOUNTING—All 1949 Chevrolet Cars.

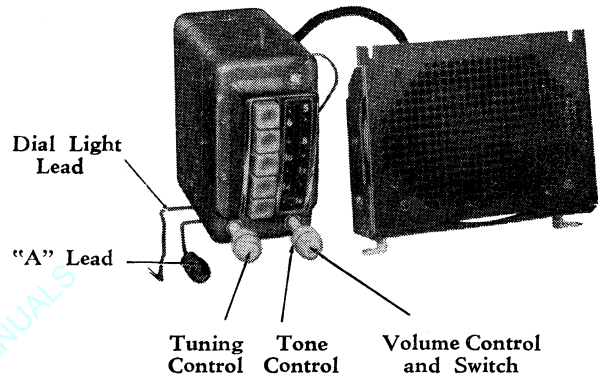
TUBES—Five, plus rectifier.

SPEAKER—6" x 9" Elliptical, Electro Magnet.

TUNING—Manual and 5 P. B. Mechanical.

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

TUNING RANGE—550-1600 KC.



PUSH BUTTON SETUP PROCEDURE

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

ALIGNMENT PROCEDURE

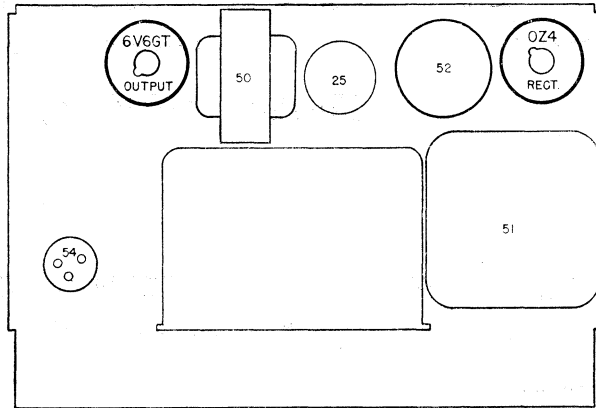
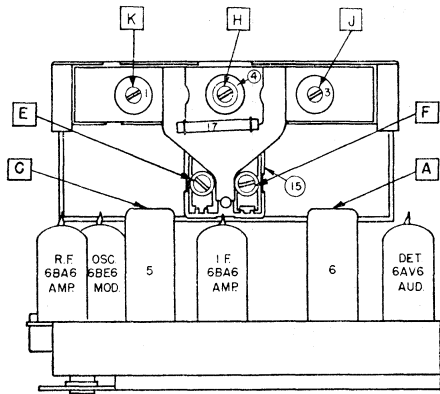
Output Meter Connections Across Voice Coil
 Generator Return To Receiver Chassis
 Dummy Antenna In Series With Generator
 Volume Control Position Maximum Volume
 Tone Control Position Treble
 Generator Output Minimum for Readable Indication

Steps	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.	6BE6 Grid (Pin #7)	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	1400 KC	Signal Generator Signal	J, K
4	0.000068 Mfd.	Antenna Connector	1615 KC	High Frequency Stop	F, G
5	0.000068 Mfd.	Antenna Connector	1000 KC	Signal Generator Signal	L**

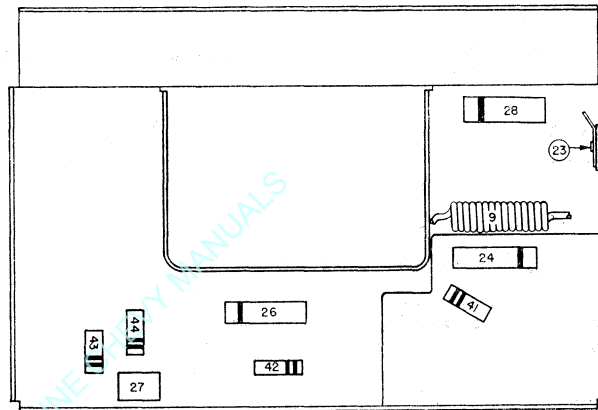
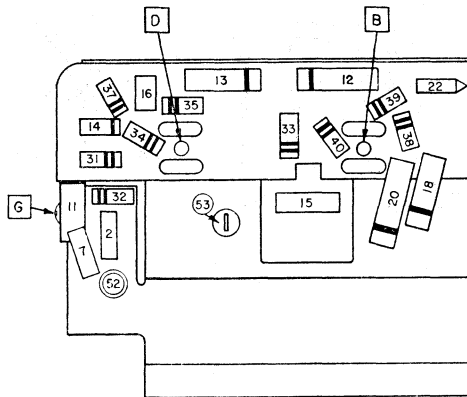
*Before making this adjustment check mechanical setting of oscillator core "H." The rear of the core should be 1 25/32" from the mounting end of the coil form. (This measurement is readily made by inserting a suitable plug in the mounting end of the coil form.) Core adjustments should be made with an insulated screw driver, and core studs should be cemented in place with glyptal or household cement after alignment.

**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 3/16" below the 1000 KC mark. This setting is to give the correct relationship between the pointer and the dial when the radio is installed in a car.

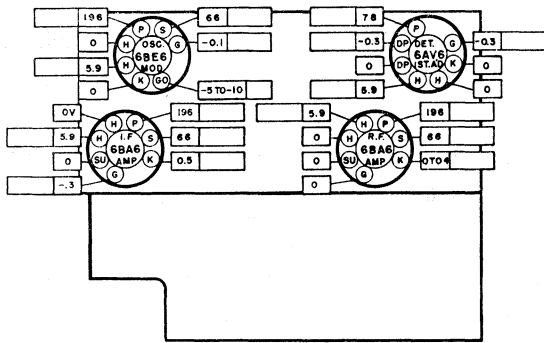
With the radio installed and the car antenna plugged in adjust the antenna trimmer "G" for maximum volume with the radio tuned to a weak station near 1400 KC (see sticker on case).



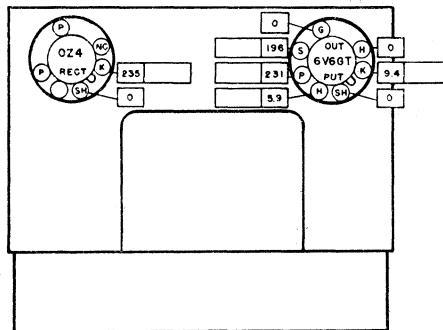
PARTS LAYOUT — TUBE VIEW



PARTS LAYOUT — CHASSIS VIEW



R.F. UNIT



AUDIO UNIT

TUBE SOCKET VOLTAGE CHART

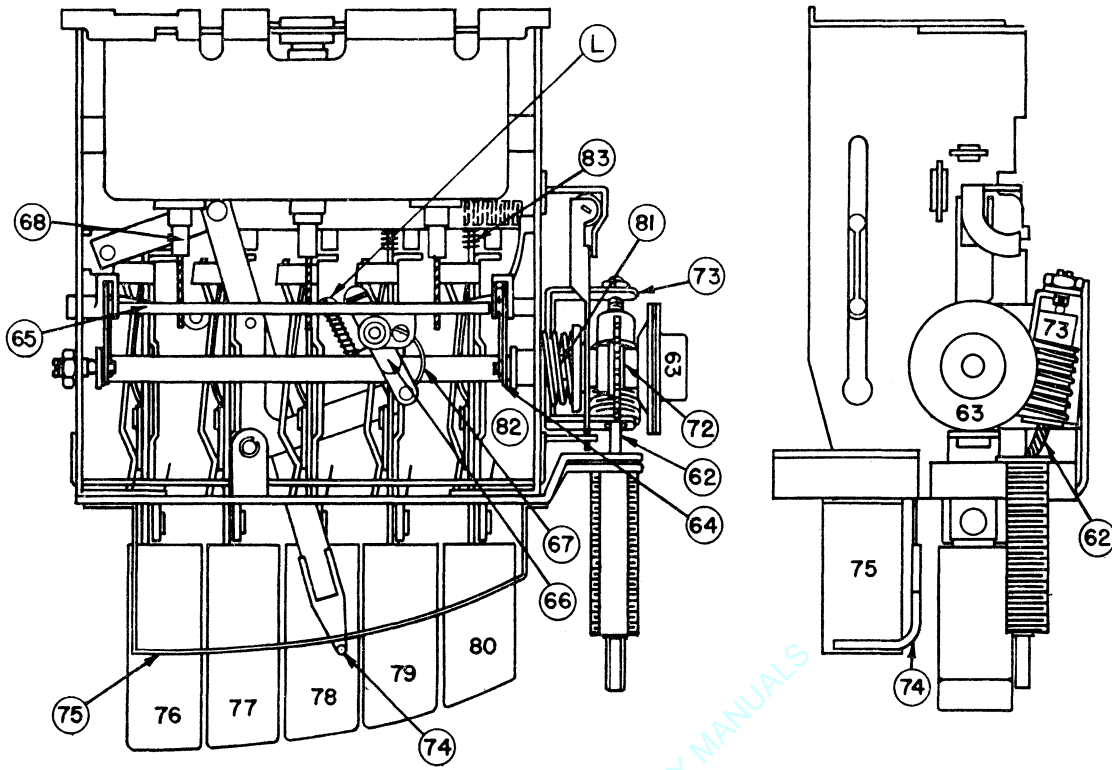
The tube socket voltages, as measured at the factory and under the conditions shown on the schematic diagram on page 3 are shown above. The blank spaces are provided so the service man may fill in the actual voltage readings as taken with his own equipment. A normal operating radio should be used for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

VOLTMETER RESISTANCE OHMS PER VOLT

READINGS TAKEN WITH VOLTS AT SPARK PLATE

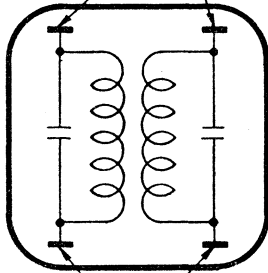
Voltage measured from socket terminals to chassis and are positive unless marked otherwise.

Contributed by Gene Thompson



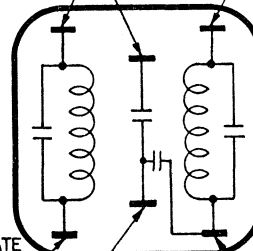
TUNER

BLUE TO PLATE OF 6BE6 OSC-MOD
GREEN TO GRID OF 6BA6 I.F. AMP.



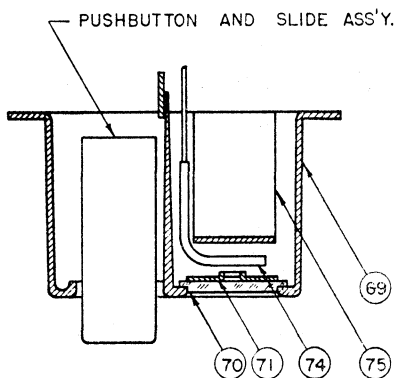
RED TO B+ WHITE TO AVC
1st I.F. COIL

BLACK TO VOLUME CONTROL ILLUS. # 51
GREEN TO DIODE PLATE OF 6AV6 DET.



RED TO B+ BLACK TO VOLUME CONTROL ILLUS. # 51
BLUE TO PLATE OF 6BA6 I.F. AMP. GREEN TO DIODE PLATE OF 6AV6 DET.
WHITE TO ILLUS. # 40, 560M RESISTOR.
YELLOW TO CHASSIS GROUND
2nd I.F. COIL

I.F. COIL CONNECTIONS



ESCUTCHEON CROSS SECTION

SERVICE PARTS LIST

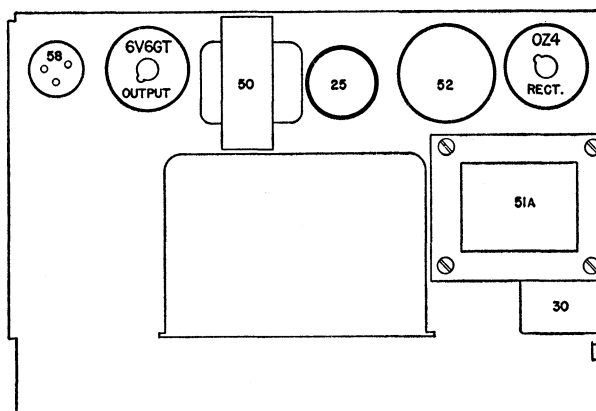
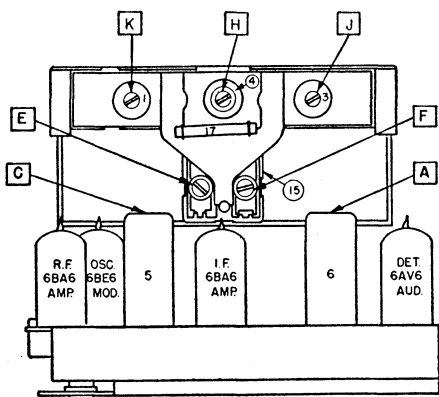
Illus. No.	Production Part No.	Service Part No.	Description
ELECTRICAL PARTS			
Coils			
1	7257979	7257979	Antenna
2	7240251	7240251	Antenna spark choke
3	7257979	7257979	R.F.
4	7257977	7257977	Oscillator
5	1218725	1218725	1st I.F.
6	1218726	1218726	2nd I.F.
7	7258502	7258502	Ant. Series Choke
9	7241708	7241708	Hash Choke
Condensers			
11	7258000	7258000	Antenna Trimmer
12	7236841	E 503	0.05 Mfd. 400 V. Tubular
13	7236842	E 503	0.05 Mfd. 200 V. Tubular
14	1218737	G 100	0.000010 Mfd. Ceramic
15	7242454	7242454	Dual Trimmer
15A			R.F. Section
15B			Oscillator Section.
16	1217736	G 390	0.000039 Mfd. Ceramic
17	7258162	7258162	0.000300 Mfd. Compensating
18	7242942	E 102	0.001 Mfd. 600 V. Tubular
19	1218298	1218298	0.005 Mfd. Disc.
20	7242448	E 303	0.03 Mfd. 400 V. Tubular
21	1218372	1218372	0.000750 Mfd. Ceramic
22	1218258		Capristor
22A		E 502	0.005 Mfd. Ceramic
22B		A 685	6.8 Megohms 1/2 W Insulated
23	1217848	1217848	Chassis Plate Condenser (5)
24	7240906	H 602	0.006 Mfd. 1600 V. Tubular
25	7240724	M 908	Electrolytic
25A			20 Mfd. 400 V.
25B			20 Mfd. 400 V.
25C			20 Mfd. 25 V.
26	7233243	H 402	0.004 Mfd. 800 V. Tubular
27	7236105	G 221	0.000220 Mfd. Molded
28	7258332	7258332	Dual Spark Plate
28A			"A" Lead Section
28B			Dial Light Section
29	7242885	E 504	0.5 Mfd. 100 V. Tubular
Resistors			
22	1218258		Capristor
22A		E 502	0.005 Mfd. Ceramic
22B		A 685	6.8 Megohms 1/2 W Insulated
31	1215558	A 680	68 Ohms 1/2 W Insulated
32	1214563	A 225	2.2 Megohms 1/2 W Insulated
33	7233653	C 153	15,000 Ohms 2 W Insulated
34	7237595	B 153	15,000 Ohms 1 W Insulated
35	1214557	A 334	330,000 Ohms 1/2 W Insulated
37	1214550	A 223	22,000 Ohms 1/2 W Insulated
38	1213282	A 105	1 Megohm 1/2 W Insulated
39	1214555	A 224	220,000 Ohms 1/2 W Insulated
40	1214560	A 564	560,000 Ohms 1/2 W Insulated
41	7237994	B 221	220 Ohms 1 W Insulated
42	1214573	{ C 272	1800 Ohms 2 W } Replace with C 272 and B 562 in parallel
		{ B 562	
43	1216149	B 391	390 Ohms 1 W Insulated
44	1214555	A 224	220,000 Ohms 1/2 W Insulated

SERVICE PARTS LIST (Cont.)

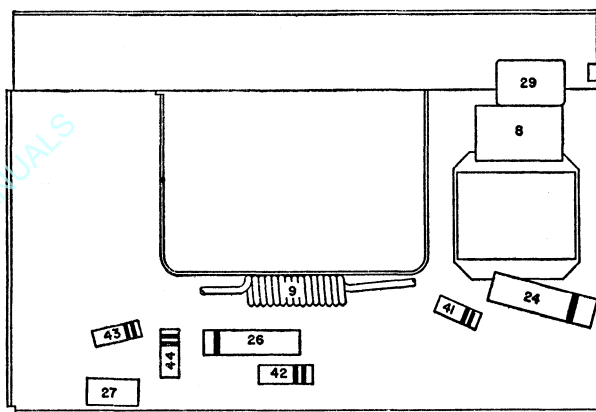
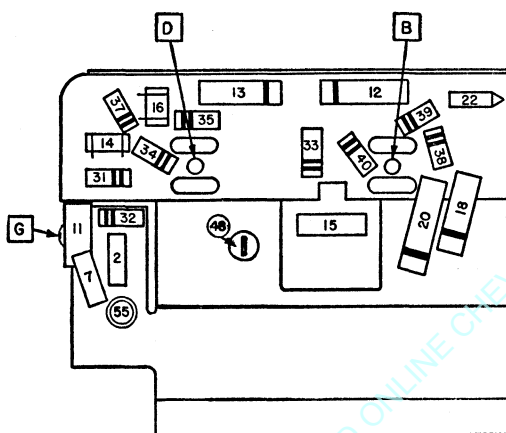
Illus. No.	Production Part No.	Service Part No.	Description
			Tubes
	1213793	5241	6V6GT
	1211924	5003	OZ4
	1217690	5252	6BA6
	1217691	5253	6BE6
	1218506	5262	6AV6
			Miscellaneous Electrical Parts
46	7258084	7258084	Control Volume, Tone and Switch
46A			Volume Control
46B			Tone Control
46C			Switch
47	125588	55	Lamp - Dial
48	7242204	7242204	Sensitivity Control
49	7241312	7241312	Speaker - 6 x 9 Elliptical EM
50	7256009	7256009	Transformer - Output
51	7255881	7255881	Transformer - Power
52	7239124	8542	Vibrator - Non-Synchronous
			MECHANICAL PARTS
			Chassis - R.F. Unit
54	7258022	7258022	Cable
55	7239475	7239475	Socket - Antenna
56	1218724	1218724	Socket - Dial Light
	7258073	7258073	Socket - 7 Pin miniature tube
			Chassis - Audio Unit
58	7258111	7258111	Plug - Cable
	7236279	7236279	Socket - Octal Tube
	7239125	7239125	Socket - Vibrator
			Tuner
	115529	115529	Ball Bearings (10)
62	7258054	7258054	Drive Shaft - Manual
63	7258072	7258072	Clutch Disc - Driven
64	7258203	7258203	Connecting Link - Core Bar
65	7258206	7258206	Core Guide Bar - Parallel
66	7256271	7256271	Connecting Link - Pointer
67	7255992	7255992	Spring - Pointer Connecting Link
68	7258468	7258468	Core - Iron (Tuning)
69	7258151	7258151	Escutcheon
70	7258002	7258002	Dial
71	7258003	7258003	Dial Backplate
72	7258042	7258042	Gear and Bushing
73	7258052	7258052	Gear and Bracket - Worm
74	7258059	7258059	Pointer Assy.
	1218848	1218848	Pointer Tip Package
75	7258004	7258004	Pointer Backplate
76	1218731	1218731	Pushbutton and Slide, No. 1
77	1218732	1218732	Pushbutton and Slide, No. 2
78	1218733	1218733	Pushbutton and Slide, No. 3
79	1218734	1218734	Pushbutton and Slide, No. 4
80	1218735	1218735	Pushbutton and Slide, No. 5
81	7258043	7258043	Spring - Clutch
82	7257415	7257415	Spring - Core Bar Connecting Link
83	7255984	7255984	Spring - Pushbutton Return
			INSTALLATION PARTS
	7257919	6016	Condenser - Ammeter
	1911095	6015	Condenser - Generator
	1910147	6015	Condenser - Ignition Coil
	1887829	6003	Distributor Suppressor
	7257928	7257928	Knob - Control
	7257929	7257929	Knob - Dummy
	7257930	7257930	Knob - Tone Control
	7257918	7257918	Nut - Speed
	1888204	1888204	Rubber Nipple - Distributor Suppressor
	7257920	7257920	Spacer - R.F. Unit Mtg. (Small)
	7257922	7257922	Spacer - R.F. Unit Mtg. (Outer)
	7257925	7257925	Speaker Shroud
	986035	986035	Static Eliminator Powder
	494786	6009	Static Collector - Wheel
	7257917	7257917	Stud - Audio Unit Mtg.
	7257924	7257924	Trim Plate - Instrument Panel
	1218728	1218728	Fuse Holder Body - Male
	1912900	1912900	Condenser, Regulator

BULLETIN SUPPLEMENT

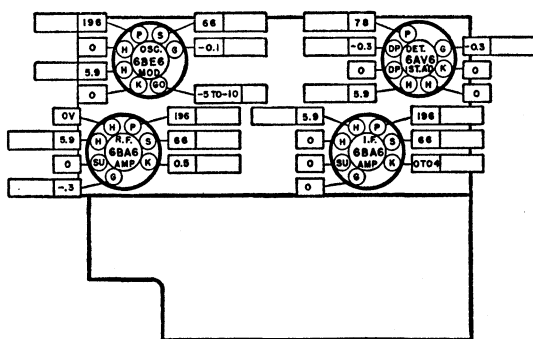
(Effective After Serial No. C49-0401050)



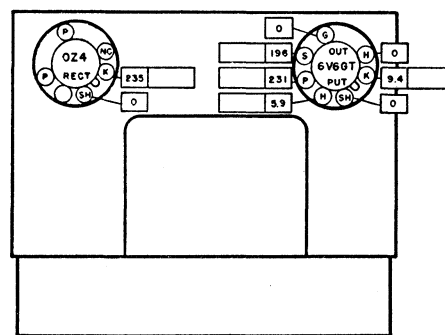
PARTS LAYOUT — TUBE VIEW



PARTS LAYOUT — CHASSIS VIEW



R.F. UNIT



AUDIO UNIT

TUBE SOCKET VOLTAGE CHART

SERVICE PARTS LIST REVISIONS

(Effective only on those sets above serial No. C49-0401050)

Illus. No.	Production Part No.	Service Part No.	Description
23	1217848	Delete:	Chassis Plate Condenser
51	7255881	1217848	Transformer - Power (Potted)
		7255881	Transformer - Power (Potted)
		Add:	
8	7258743	7258743	Choke
30	7257879	E-504	0.5 mfd. 100 volt tubular
51 A	7258747	7258747	Transformer - Power (Unpotted)

