



UNITED MOTORS SERVICE

DIVISION OF GENERAL MOTORS CORPORATION

GENERAL OFFICES—DETROIT

AUTO RADIO BULLETIN

BULLETIN 6 D-841
Chevrolet 985986

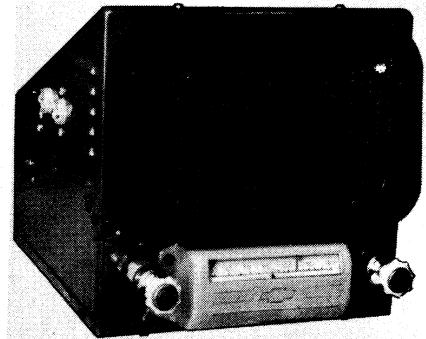
Date: 12-2-46
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First Issue

SUBJECT--SERVICE INSTRUCTIONS
Chevrolet Model 985986 Auto Radio

GENERAL

Mounting - Custom 1946 Chevrolet
Type - Two Unit Set
Tubes - Seven
Speaker - 6" X 9" Elliptical
Intermediate Freq. - 260 Kc
Tuning Range - 540/1620 Kc
Car Antenna Capacity - .000072 Mfd.
Tuning - Manual and 5 Station sequence tuner.



PUSH BUTTON SET-UP

To set up a station, turn the power-volume knob on the steering column control approximately half way in a clockwise direction. Allow the set to warm up for approximately 15 minutes. Then depress and release the power volume knob until the red indicator light appears on the dial. Then depress and release the power volume knob once. This puts the automatic tuning system in the first automatic tuning position. While in this position, depress and hold the tuning knob on the receiver and tune-in, as you normally would manually, the desired station. Then depress and release the power volume knob again. This puts the receiver in the second automatic tuning position. Press and hold in the manual tuning knob and tune-in the desired station. The third, fourth and fifth automatic positions follow in sequence and the above procedure for setting up the stations is the same.

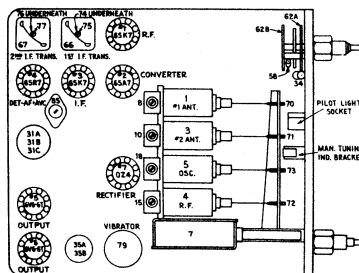
ALIGNMENT PROCEDURE

Volume Control maximum.

Signal Generator output minimum for satisfactory output indication.

Series Cond. or Dummy Antenna	Connection at Radio	Set Generator At	Tune Receiver To	Adjust Screws at	To Obtain	
.1 Mfd.	Grid 6SK7 (pin #4)	260 Kc	No Broadcast Signal	77 2nd IF	Max.	
	Grid 6SA7 (pin #8)			76 cores		
				75 1st IF		
				74 cores		
Turn Cores 70,71,72 & 73 several turns counterclockwise.						
.000072 Mfd.	Antenna	1645 Kc	Extreme high freq. stop	18 Ant, 15 RF & 10 Osc 8 trimmers	Output	
		1620 Kc	Extreme high freq. stop	73 Ant, 72 RF& 71 Osc 70 cores		
		600 Kc	Signal Generator	15 Ant & 10 RF 8 trimmers		
		1200 Kc	Signal Generator	72 Ant & 71 RF 70 cores		

Adjust antenna trimmer 8 to match car antenna (1200 Kc) when set is installed.

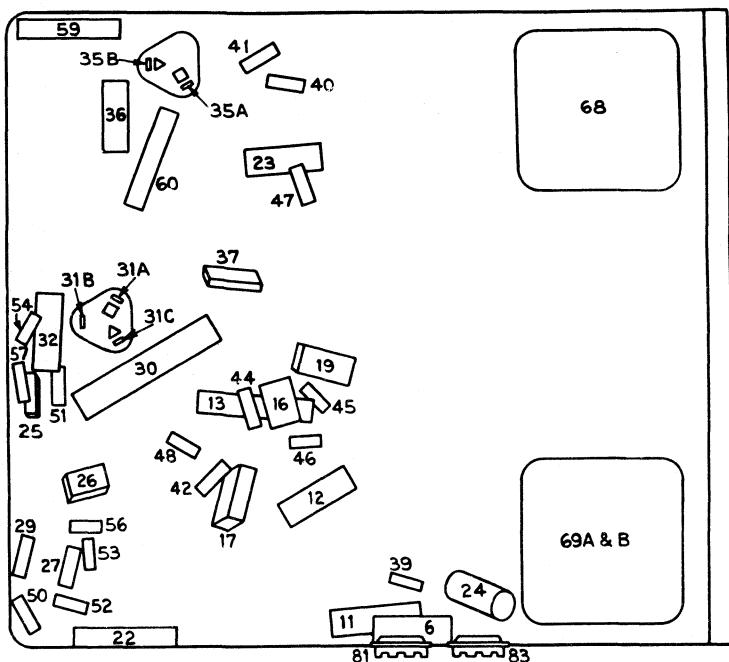


PARTS LAYOUT - TOP VIEW

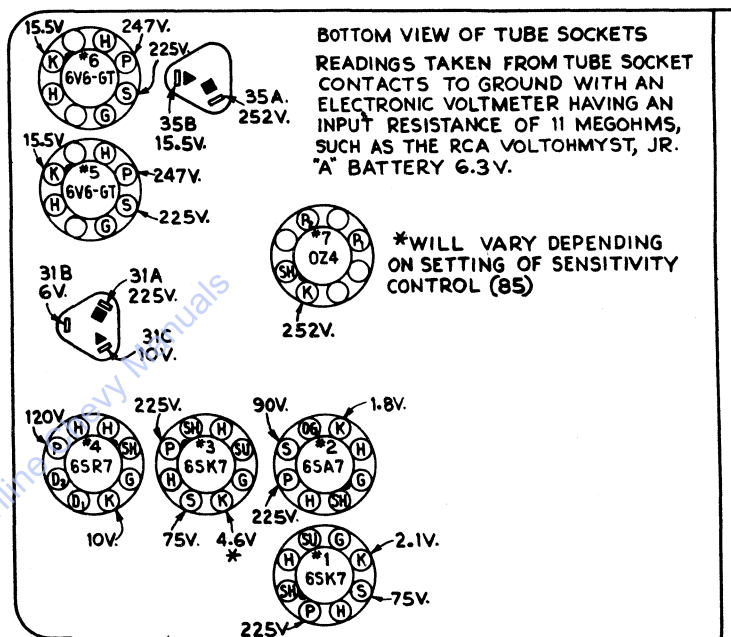
(OVER)

(1217 PD 1-47)
6G0,6,6SS,72:6,65

(Printed in U.S.A.)



PARTS LAYOUT - BOTTOM VIEW

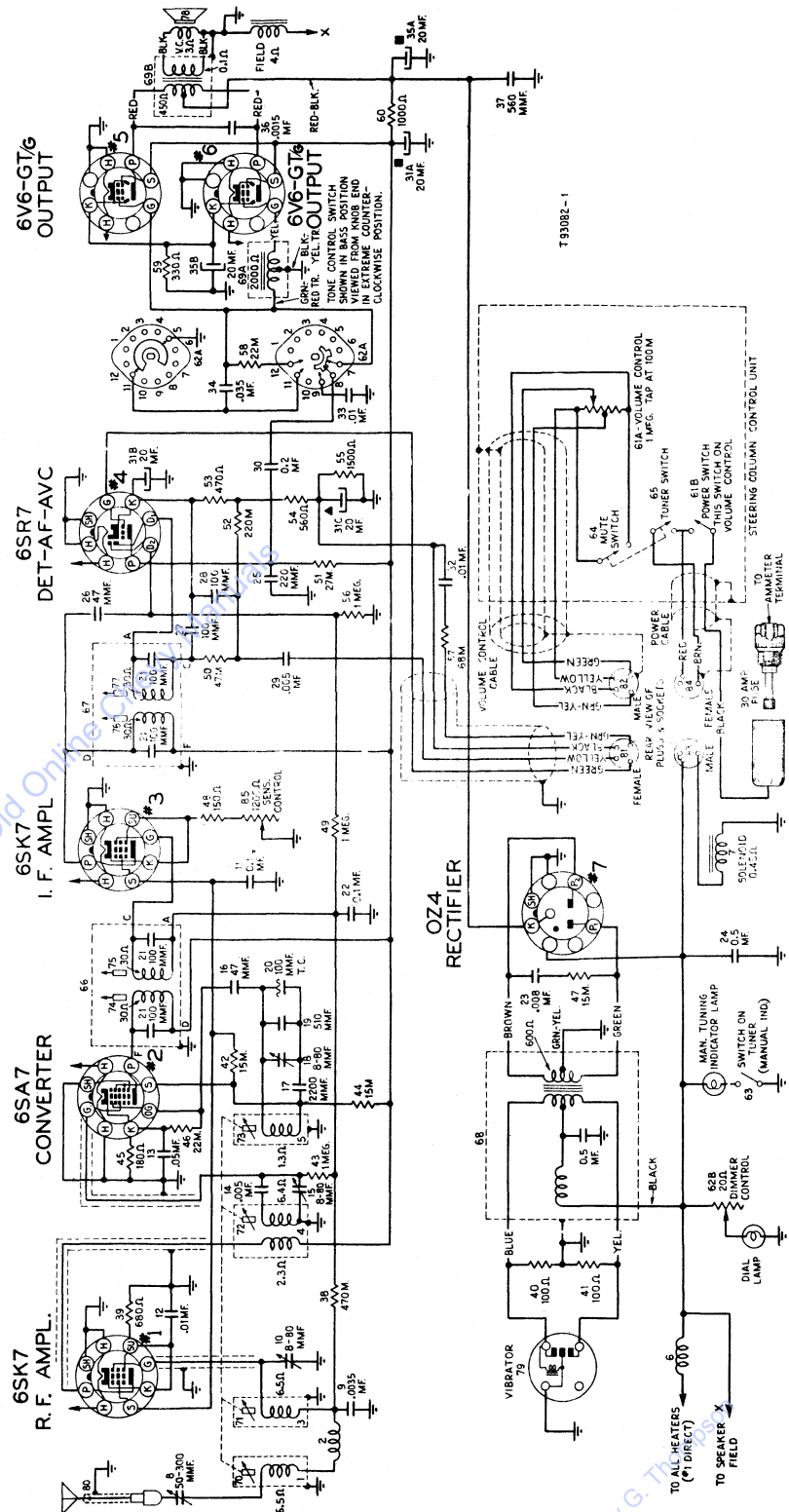


TUBE SOCKET VOLTAGES

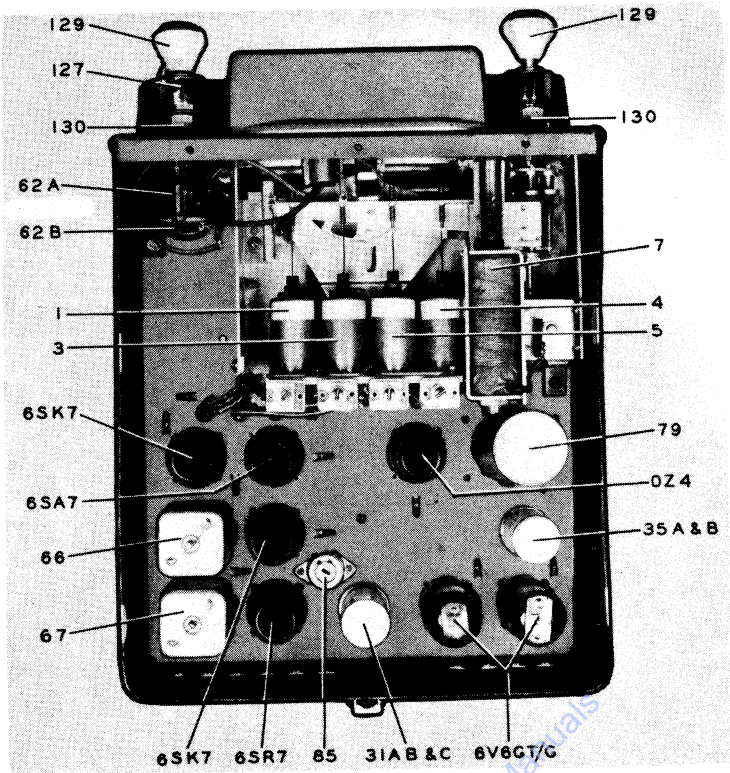
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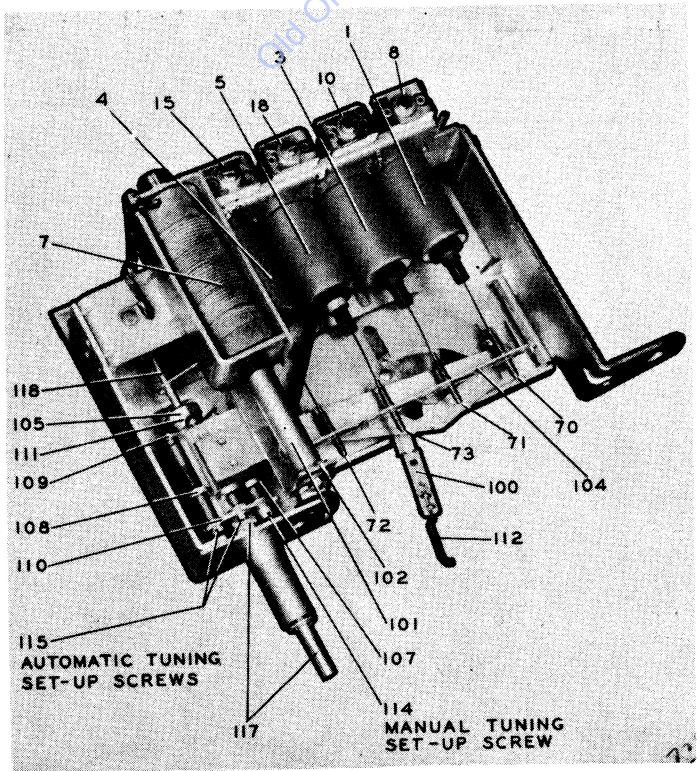
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CHEVROLET MODEL 985986 CIRCUIT PROGRAM



PARTS LAYOUT - TOP VIEW



TUNER VIEW - TOP VIEW



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AUTO RADIO BULLETIN

SERVICE PARTS LIST

Illus. Service
No. Part No. Description

COILS

1	1215800	Antenna (less shield can)
2	1215801	Antenna choke
3	1215800	Antenna (less shield can)
4	1215802	R.F. (less shield can)
5	1215804	Oscillator (less shield can)
6	1216864	Choke
7	1216852	Solenoid

CONDENSERS

8	1215074	Trimmer 50-300 mmf
9	E-302	.003 mfd 600V tubular
10	1214456	Trimmer 8-80 mmf
11	E-104	.1 mfd 600V tubular
12	E-103	.01 mfd 600V tubular
13	E-503	.05 mfd 600V tubular
14	E-502	.005 mfd 600V tubular
15	1214456	Trimmer 8-80 mmf
16	G-470	.000047 mfd. molded
17	G-222	.0022 mfd. molded
18	1214456	Trimmer 8-80 mmf.
19	G-471	.00051 mfd. molded
20	1216120	.0001 mfd. Ceramic compen- sating
21	G-101	.0001 mfd. molded
22	E-104	.1 mfd. 600V tubular
23	H-802	.008 mfd. 1600V buffer
24	E-504	.5 mfd. 600V tubular
25	G-221	.00022 mfd. molded
26	G-470	.000047 mfd. molded
27	G-101	.0001 mfd. molded
28	G-101	.0001 mfd. molded
29	E-502	.005 mfd. 600V tubular
30	E-204	.2 mfd. 400V tubular

Illus. Service
No. Part No. Description

CONDENSERS - Cont'd.

31	M-908	Electrolytic Sec. A 20 mfd. 350V Sec. B 20 mfd. 25V Sec. C 20 mfd. 25V
32	E-103	.01 mfd. 600V tubular
33	E-103	.01 mfd. 600V tubular
34	E-303	.03 mfd. 600V tubular
35	M-903	Electrolytic Sec. A 20 mfd. 300V Sec. B 20 mfd. 25V
36	H-102	.001 mfd. 1600V tubular
37	G-471	.0005 mfd. molded

RESISTORS

38	A-474	500,000 ohm 1/2 W. Insulated
39	A-471	500 ohm 1/2 W. Insulated
40	A-101	100 ohm 1/2 W. Insulated
41	A-101	100 ohm 1/2 W. Insulated
42	A-153	15,000 ohm 1/2 W. Insulated
43	A-105	1 megohm 1/2 W. Insulated
44	C-153	15,000 ohm 2 W. Insulated
45	A-181	200 ohm 1/2 W. Insulated
46	A-223	22,000 ohm 1/2 W. Insulated
47	A-153	15,000 ohm 1/2 W. Insulated
48	A-151	150 ohm 1/2 W. Insulated
49	A-105	1 megohm 1/2 W. Insulated
50	A-473	50,000 ohm 1/2 W. Insulated
51	B-273	27,000 ohm 1 W. Insulated
52	A-224	220,000 ohm 1/2 W. Insulated
53	A-471	470 ohm 1/2 W. Insulated
54	A-561	560 ohm 1/2 W. Insulated
55	A-152	1500 ohm 1/2 W. Insulated
56	A-105	1 megohm 1/2 W. Insulated
57	A-683	68,000 ohm 1/2 W. Insulated
58	A-223	22,000 ohm 1/2 W. Insulated
59	C-331	330 ohm 2 W. Insulated
60	C-102	1000 ohm 2 W. Insulated

MISCELLANEOUS ELECTRICAL PARTS

61	1215610	Volume Control
62	1217035	Tone control switch
63	1216844	Lamp switch
64	1216859	Muting switch
65	1216064	Tuning switch
66	1214491	1st I.F. transformer
67	1214491	2nd I.F. transformer
68	1216628	Power transformer
69	1216629	Audio transformer
70	1217045	Tuning core - yellow
71	1217045	Tuning core - yellow
72	1217045	Tuning core - yellow

73	1217045	Tuning core - yellow
70	1217046	Tuning core - green
71	1217046	Tuning core - green
72	1217046	Tuning core - green
73	1217046	Tuning core - green
70	1217047	Tuning core - red
71	1217047	Tuning core - red
72	1217047	Tuning core - red
73	1217047	Tuning core - red
78	1216627	Speaker
79	8539	Vibrator
85	1215179	Sensitivity control

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SERVICE PARTS LIST - Cont'd

<u>Illus. No.</u>	<u>Service Part No.</u>	<u>Description</u>	<u>Illus. No.</u>	<u>Service Part No.</u>	<u>Description</u>
<u>TUNER MECHANICAL PARTS</u>					
100	Not Serviced	Pointer arm	120	1216863	Shoulder bakelite spacer for mtg. solenoid armature in rear of bracket
101	1216843	Solenoid armature	121	1216847	Tuning screw spacer
102	1216361	Actuating bracket for solenoid armature	122	1216853	Coil core carriage return spring
103	1216346	Pointer Assy. mtg. bracket and cam	123	1216849	Pointer return spring
104	1216845	Tuning coil carriage	124	1216855	Tuning shaft return spring
105	1216340	Hex nut	124	1216856	Turret return spring
106	1216865	Locknut for solenoid pole piece	125	1216833	Bearing washer for pointer arm
107	1216838	Manual tuning nut	126	1214609	"C" washer for mtg. pointer arm to brkt. and cam.
108	1216837	Stop-nut for set-up screw		1214609	"C" washer for turret shaft
109		Turret rear plate		1217065	Damping washer for core carriage return operation
110	1216836	Turret front plate		1216850	Felt washer for turret shaft
111	1216839	Turret spring plate		1217030	Flat metal washer, located at front of tuning shaft return shaft
112	1216828	Dial pointer and holder		1217029	Flat metal washer, located at rear of tuning shaft return spring
113	1216848	Solenoid pole piece		1217032	Flat metal washer between "C" washer and felt washer on rear end of turret shaft
114	1216835	Manual tuning screw			
115	1216834	Set-up screw			
116	1217028	Tuning coil core carriage guide shaft			
117	1216851	Tuning knob shaft and key			
118	1216841	Turret shaft			
119	1216862	Flat bakelite spacer for mtg. solenoid armature in front of bracket			

STEERING POST CONTROL MISCELLANEOUS PARTS

1216211	Power cable complete with socket, female fuse connector, ferrule and spring	111533	Screw - No. 2 x 3/8" self-tapping to fasten sleeve to volume control shaft
1216204	Volume control cable with plug	100978	Screw No. 10-32 x 1-1/4" to fasten steering post control to steering column
1216212	Female fuse connector	1216222	Steering post control flexible shaft & knob
1216213	Male section fuse connector	1216221	Steering post tuning shaft actuating sleeve
1216216	Ferrule and bushing for fuse connector	1836376	Fuse connector spring
147686	Fuse 30 amp.	1216223	Steering post actuating Sleeve spring
1216217	Rubber grommet for steering post control housing	115543	No. 6 internal lockwasher for volume control bracket screws
1216220	Power cable plug		
1216219	Volume control cable plug		
1216228	Screw - No. 4 x 3/16" for steering post housing cover		

CHASSIS MISCELLANEOUS PARTS

80	1216367	Antenna lead-in cable and socket	83	1216231	Power cable socket
	1217033	Dial assy.		1216192	Lamp socket - insulated
	1216868	Escutcheon		1213439	Tube socket
	1216870	Rubber gasket for speaker cover		1215196	Vibrator socket
	55	Mazda lamp	81	1216224	Volume control cable socket
130	604275	Hex nut (1/2-28 x 21/32") for tone switch tuning shaft		7232624	Retaining spring for I.F. transformer core
	1216866	Felt pad for dial window glass		1216860	Dial glass window only
	1216869	Lamp socket - non-insulated			



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SERVICE PARTS LIST - Cont'd.

<u>Illus. Service</u>	<u>No.</u>	<u>Part No.</u>	<u>Description</u>
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<u>Illus. Service</u>	<u>No.</u>	<u>Part No.</u>	<u>Description</u>
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INSTALLATION PARTS

	1216729	Steering post control assembly
	1216634	Cover - Cable
	605052	Brace - Lower
	605053	Brace - Lower
	604273	Washer - serrated
	604274	Bolt - hex. hd. 5/16-24 x 2
	120518	Bolt - carriage 1/4-20 x 3/4
	124824	Nut - hex 5/16-18"
	120375	Nut - hex 1/4 - 20
	604275	Mounting nut 1/2-28"
127	609635	Knob - wing
128	609634	Knob - dummy
	605070	Washer

	605319	Spring washer
129	7242249	Control knob
	6014	Condenser - ignition coil
	6018	Clip - ground
	6019	Washer - ignition coil condenser
	6002	Suppressor - distributor
	6008	Adapter - distributor
	6015	Condenser - generator
	6009	Static collector
	606347	Spring
	120614	Nut - 10-32"
	6025	Powder, tire static suppression
	6026	Injector, tire static suppression powder

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Contributed by G. Thompson