UNITED MOTORS SERVICE
DIVISION OF
GENERAL MOTORS CORPORATION
GENERAL OFFICES—DETROIT

AUTO RADIO BULLETIN

BULLETIN 6 D-835
Chevrolet 985697

Date: 8-29-47
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Supersedes Issue of 12-1-41

SUBJECT--SERVICE INSTRUCTIONS
Chevrolet Model 985697 Auto Radio

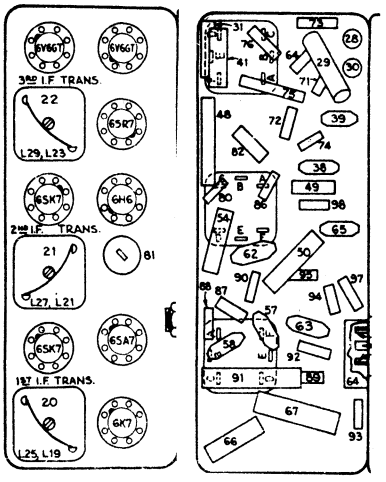
GENERAL

Mounting - Custom 1941 Chevrolet
Type - Single Unit Set
Tubes - Nine
Speaker - 6 3/8" X 9¼" Elleptical Dynamic
Tone Control - Mounted on Control Head
Intermediate Freq. - 455 Kc
Tuning Range - 545/1560 Kc,
9.5/10 Mc, 11.7/12.1 Mc, 15.1/15.4 Mc,
17.7/18 Mc.

ALIGNMENT PROCEDURE - I.F.

To properly align this receiver, a calibrated Test Oscillator or Signal Generator and Output Meter or Output Indicator are required. All adjustments should be made with the Volume Control set for maximum volume, keeping the Signal Generator output at minimum for satisfactory output indication. Tone Control to be in treble position.

Series Cond. or Dummy Antenna	Connection at Radio	Set Generator At	Tune Receiver To	Adjust Screws At	To Obtain
.01 Mfd.	2nd IF 6SK7 Grid	455 Kc	No BCSignal	154 3rd IF 155 cores	Max. Output
	1st IF 6SK7 Grid	455 Kc	No BCSignal	152 2nd IF 153 cores	
	6SA7 Grid	455 Kc	No BCSignal	150 1st IF 151 cores	



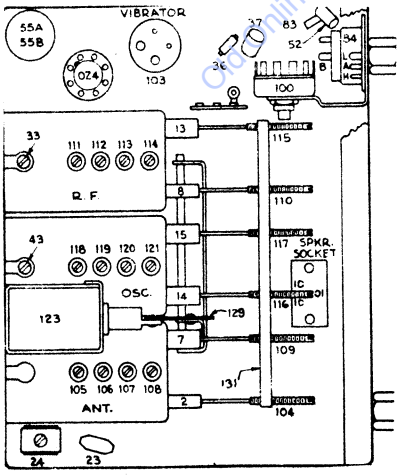
top view bottom view
I F Cores

SUBJECT--SERVICE INSTRUCTIONS - Cont'd.

ALIGNMENT PROCEDURE - Broadcast

Tune the receiver to the extreme high frequency end of the dial and against the stop. Turn each of the core screws (104, 110 and 116) in a counterclockwise direction ten turns. NOTE: This is done in order to separate the cores from the coil windings far enough so that the cores will have no effect on the frequency of the circuits.

Series Cond. or Dummy Antenna	Connection at Radio	Set Generator At	Tune Receiver To	Adjust Screws At	To Obtain
.000035 Mfd.	Antenna	1590 Kc	high frequency stop	24 Ant, RF 33 & Osc 43 trimmers	Max.
		1560 Kc	high freq stop	116 Osc core	
		1200 Kc	Signal Generator	104 RF & Ant 110 cores	
		600 Kc	Signal Generator	24 Ant & RF 33 trimmers	Output
		1200 Kc	Signal Generator	104 RF & Ant 110 cores	



Ant, RF & Osc cores & trimmers

SUBJECT--SERVICE INSTRUCTIONS - Cont'd.

ALIGNMENT PROCEDURE - Shortwave

Check the broadcast band trimmer (24) for maximum peaking. This is very important. Tune the receiver so that the dial pointer is at the extreme high frequency end of the 31 meter band, and adjust the core screws (109, 115 and 117) so that each core end is flush with the coil forms (7, 13 and 15) which extend beyond the shield. Turn the trimmer core screws (105, 106, 107, 108, 111, 112, 113, 114, 118, 119, 120 and 121) in a counterclockwise direction, as far as they will go. NOTE: Do not force the cores against their stops as too much force may fracture the core.

Series Cond. or Dummy Antenna	Connection at Radio	Set Generator At	Tune Receiver To	Adjust Screws At	To Obtain
.00003 Mfd.	Antenna	9.6 Mc	31 meters high frequency stop	turn core 118 clockwise to first peak	Max. Output
		9.6 Mc	31 meters high frequency stop	turn clock- 111 wise to sec- 105 ond peak if more than one	
		11.8 Mc	25 meters high frequency stop	turn core 119 clockwise to first peak	
		11.8 Mc	25 meters high frequency stop	turn clock- 112 wise to sec- 106 ond peak if more than one	
		15.2 Mc	19 meters high frequency stop	turn core 120 clockwise to first peak	
		15.2 Mc	19 meters high frequency stop	turn clock- 113 wise to sec- 107 ond peak if more than one	
		17.8 Mc	16 meters high frequency stop	turn core 121 clockwise to first peak	
		17.8 Mc	16 meters high frequency stop	turn clock- 114 wise to sec- 108 ond peak if more than one	

Repeat operations above until no further improvement can be made.

SUBJECT--SERVICE INSTRUCTIONS - Cont'd.

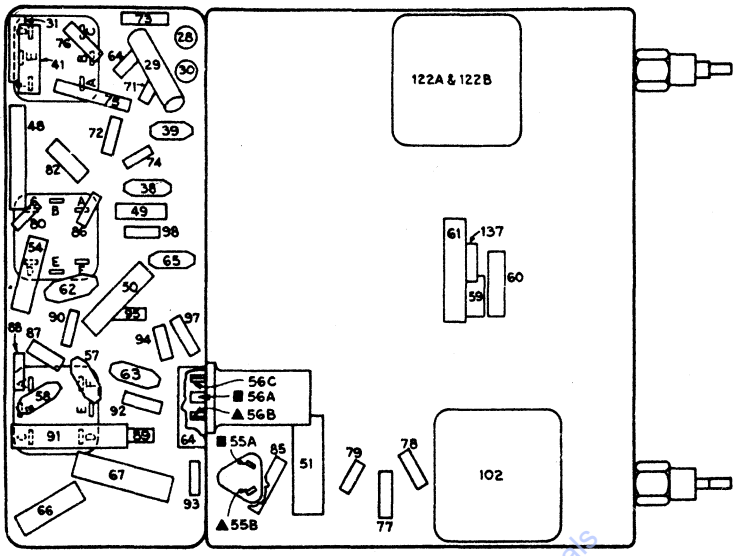


FIG. 1--PARTS LAYOUT--Top View

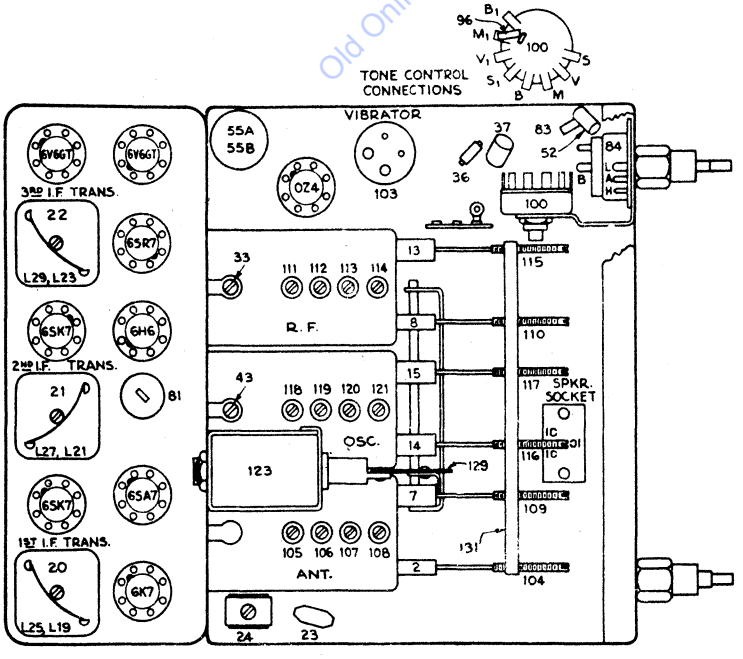


FIG. 2--PARTS LAYOUT--Bottom View

SUBJECT--SERVICE INSTRUCTIONS - Cont'd.

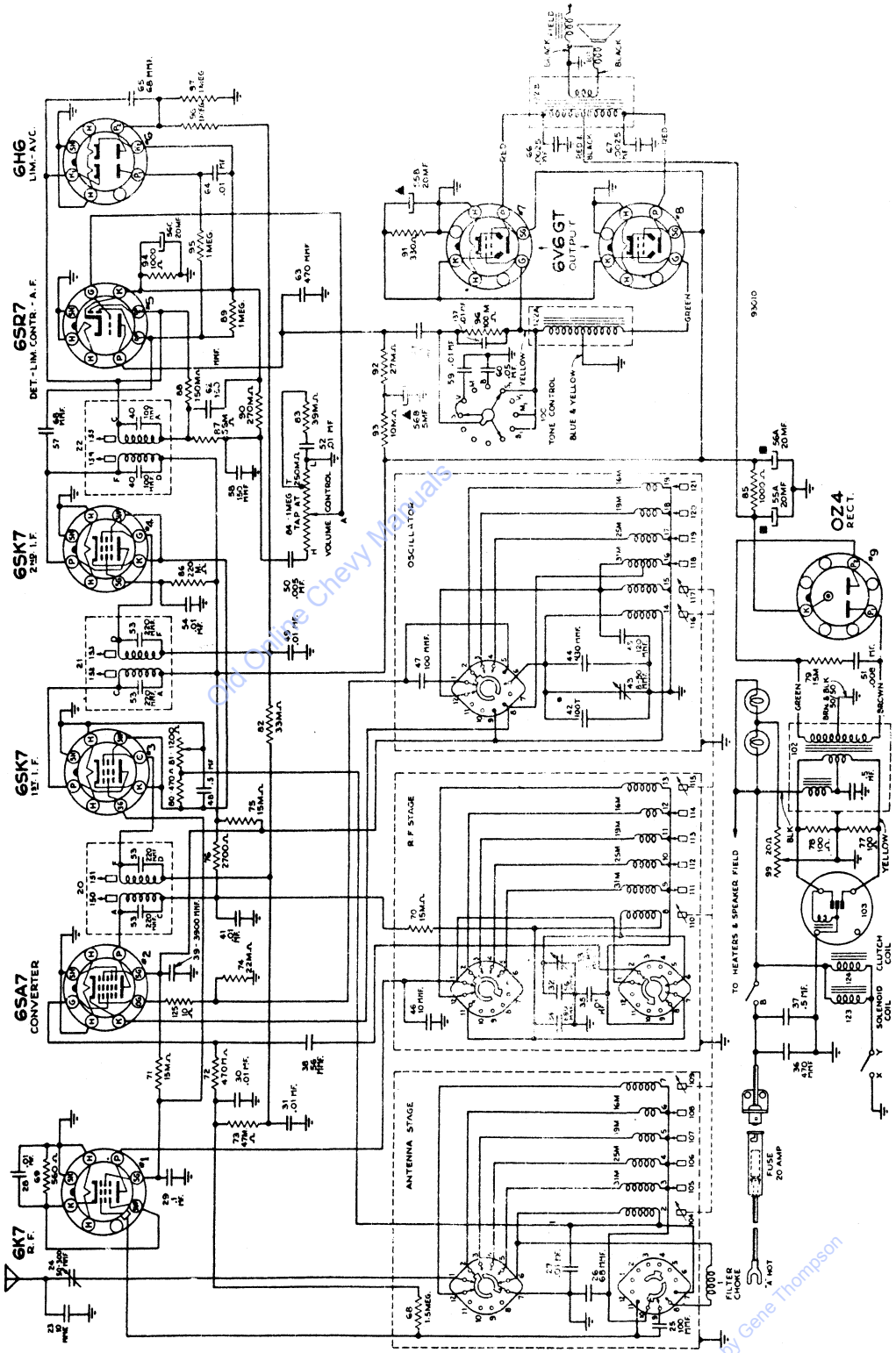


FIG. 3--CHEVROLET MODEL 985697 CIRCUIT DIAGRAM

SUBJECT--SERVICE INSTRUCTIONS - Cont'd.

SERVICE PARTS LIST

Illus. No.	Service Part No.	Description
	CONDENSERS	
23	G100	.00001 Mfd molded
25	G101	.0001 Mfd molded
26	G680	.000068 Mfd molded
27,28,30, 31,35	E103	.01 Mfd tub
29	E104	.1 Mfd tub
32	G560	.000056 Mfd molded
34	G681	.00068 Mfd molded
36	G471	.00047 Mfd molded
37	E504	.5 Mfd tub
38	G560	.000056 Mfd molded
39		.0039 Mfd molded
41	E103	.01 Mfd tub
42	G680	.000062 Mfd ceramic
45	G121	.00012 Mfd ceramic
46	G100	.00001 Mfd molded
47	G101	.0001 Mfd molded
48	E504	.5 Mfd tub
49,52,54	E103	.01 Mfd tub
50	E502	.005 Mfd tub
51		.008 Mfd tub
53	G221	.00022 Mfd molded
55		20-20 Mfd electrolytic
56		20-5-20 Mfd electrolytic
57	G680	.000068 Mfd molded
58	G151	.00015 Mfd molded
59,64	E103	.01 Mfd tub
60	E503	.05 Mfd tub
61	E204	.2 Mfd tub
62	G151	.00015 Mfd molded
63	G471	.0005 Mfd molded
64	E103	.01 Mfd tub
65	G681	.000068 Mfd molded
66,67	H202	.0025 Mfd buffer

Illus. No.	Service Part No.	Description
	RESISTORS	
68	A155	1.5 Megohm ½ watt Ins
69	A561	560 Ohm ½ watt Ins
70,71	A153	15,000 Ohm ½ watt Ins
72	A474	500,000 Ohm ½ watt Ins
73	A473	50,000 Ohm ½ watt Ins
74	A183	20,000 Ohm ½ watt Ins
75	C153	15,000 Ohm 2 watt Ins
76	A272	2700 Ohm ½ watt Ins
77,78	A101	100 Ohm ½ watt Ins
79	A153	15,000 Ohm ½ watt Ins
80	A471	470 Ohm ½ watt Ins
82	A333	35,000 Ohm ½ watt Ins
83	A393	40,000 Ohm ½ watt Ins
85	C102	1000 Ohm 2 watt Ins
86	A184	200,000 Ohm ½ watt Ins
87	A563	55,000 Ohm ½ watt Ins
88	A154	150,000 Ohm ½ watt Ins
89	A105	1 Megohm ½ watt Ins
90	A224	250,000 Ohm ½ watt Ins
91	C331	330 Ohm 2 watt Ins
92	A273	27,000 Ohm ½ watt Ins
93	A103	10,000 Ohm ½ watt Ins
94	A102	1000 Ohm ½ watt Ins
95,97,98	A105	1 Megohm ½ watt Ins
96	A105	100,000 Ohm ½ watt Ins
103	8539	Vibrator

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