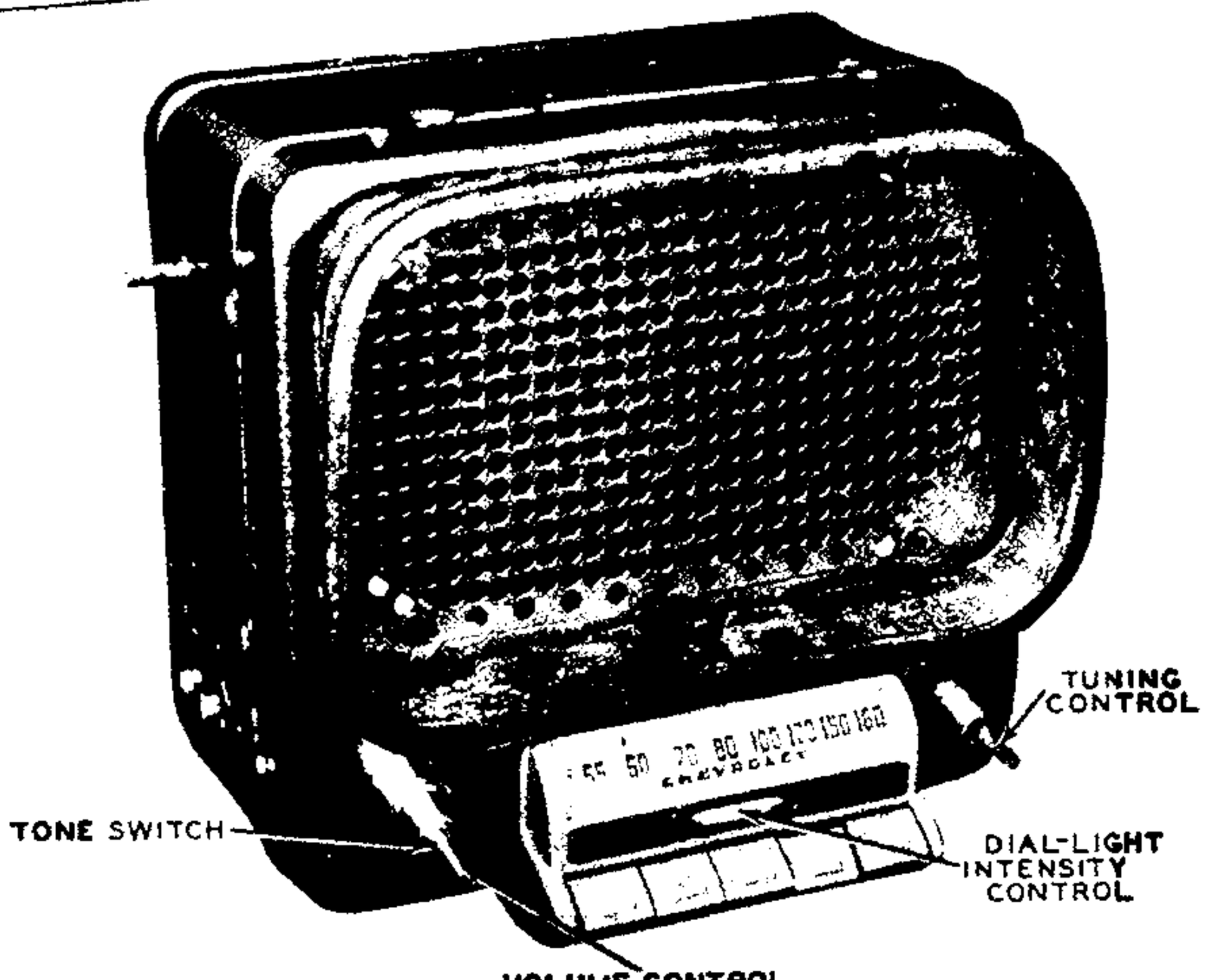
CHEVROLET MODEL 985793



CHEVROLET MODEL 985793

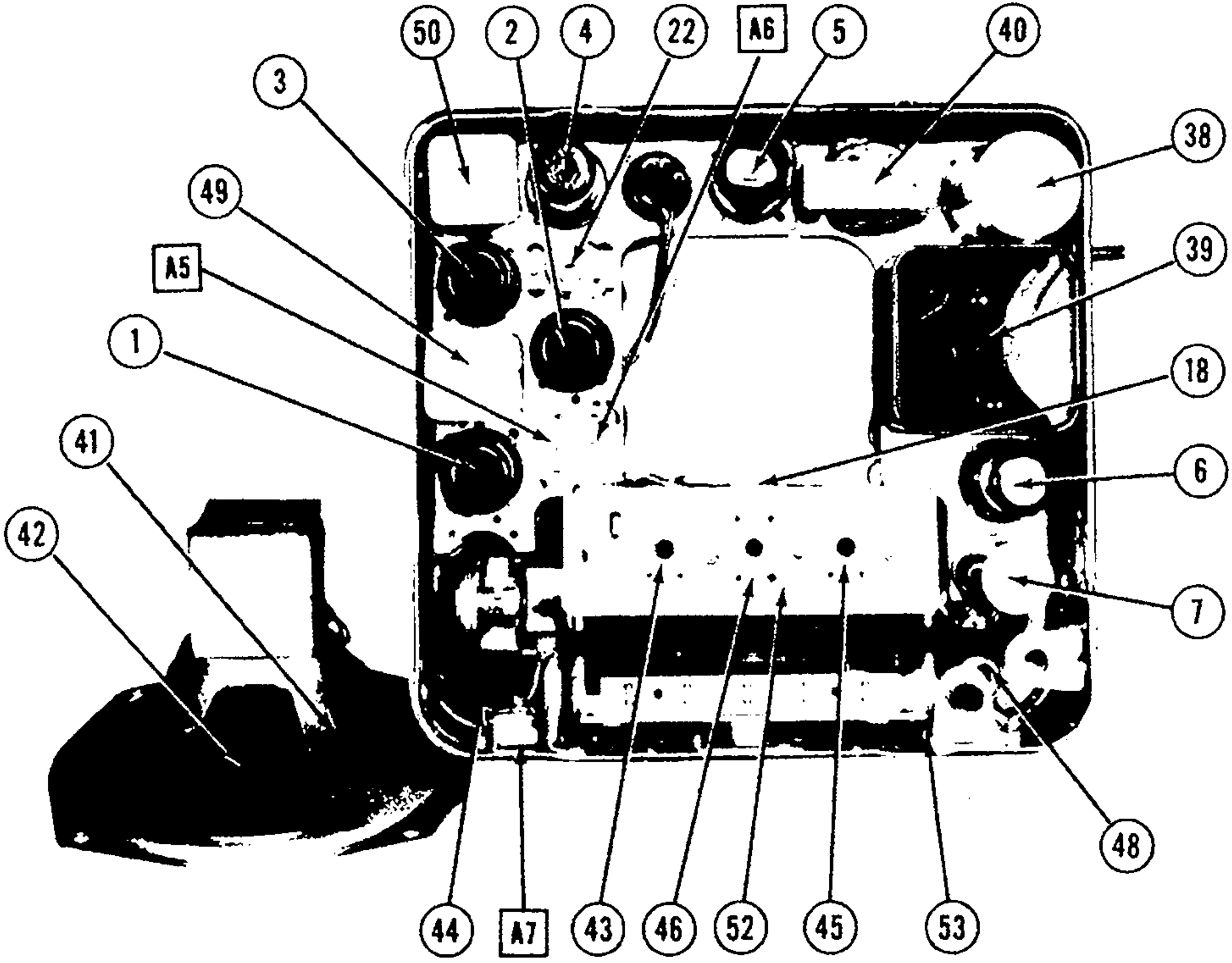
TRADE NAME	Chevrolet, Model 985793 (For 1946 & 1946 Chevrolet Autos)
SUPPLIER	Chevrolet Motors Div., Gen. Motors, Detroit 2, Michigan
TYPE SET	Battery Operated Custom Built Automotive Superheterodyne with Pushbutton Tuning
TUBES (SIX)	Types, 6SK7 RF Amp., 6SA7 Converter, 6SK7 IF Amp., 6SQ7 Det.-AVC-AF, 6V6GT Power Output, 0Z4 Rectifier.
POWER SUPPLY	6 Volt Storage Battery
TUNING RANGE—BROADCAST	550-1600KC RATING 6.6 Amp. @ 6.3 Volts DC

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

To set pointer, set signal generator to 800KC. Tune receiver to maximum output, and set pointer at 800KC. Volume should be at maximum position, output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting. After set is installed readjust A7 on a weak station near 1400KC.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1	.1 MFD.	High side to Pin 8 (grid) 6SA7. Low side to chassis.	262KC	Tuning sluge fully out.	Across voice coil	A1,A2, A3,A4.	Adjust for maximum output.
2	60 MMFD	High side to ant receptacle. Low side to chassis.	1615KC	"	"	A5,A6, A7.	Check to see that osc. core extends 11/16" from end of oscillator coil form before adjusting trimmers for maximum output.
3	60 MMFD	"	1400KC	Tune for maximum output.	"	A8,A9.	Adjust for maximum output.
4	60 MMFD	"	1615KC	Slugs completely out.	"	A6,A7	" " " "
5	60 MMFD	"	1400KC	Tune for maximum output.	"	A8,A9	" " " "

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	INSTALLATION NOTES
		CHEVROLET PART No.	STANDARD REPLACEMENT		
1	RF Amp.	6SK7	6SK7	8N	
2	Converter	6SA7	6SA7	8R	
3	IF Amp.	6SK7	6SK7	8N	
4	Det.-AVC-AF	6SQ7	6SQ7	8Q	
5	Power Output	6V6GT	6V6GT	7AC	
6	Rectifier	0Z4	0Z4	4R	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING		REPLACEMENT DATA						IDENTIFICATION CODES AND INSTALLATION NOTES
	CAP.	VOLT	CHEVROLET PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SOLAR PART No.	SPRAGUE PART No.	
7A	20	400	7240724		UP2245C	FP339	DY-312	ET-322	‡ Filter
B	20	400							▲
C	20	25							Cath. Bypass
8	.006	1600	7240906	1684-006	MD16D6	DW544	TM-16-006	TR-26	Buffer
9	.004	800	7233243	684-004	DT6D4	TP407	TM-6-004	TC-24	Output Plate Bypass
10	.005	600	7230912	684-005	DT6D5	TP408	TM-6-005	TC-25	Tone Compensation
11	.00075	400	7240738						▲ ▲
12	.05	600	7230592	684-05	DT6S5	TP415	TM-6-05	TC-15	▲ ▲
13	.001	800	1212097	684-001	DT6D1	TP404	TM-6-001	TC-21	Audio Coupling
14	.005	600	7230912	684-005	DT6D5	TP408	TM-6-005	TC-25	▲ ▲
15	.05	600	7230592	684-05	DT6S5	TP415	TM-6-05	TC-15	AVC Filter
16	.001	800	1212097	684-001	DT6D1	TP404	TM-6-001	TC-21	RF Coupling
17	.05	600	7230592	684-05	DT6S5	TP415	TM-6-05	TC-15	Screen Bypass
18	125		7242523						Fixed Trimmer Cer.
19	100	500	1210275	1468-001	SW5T1	MC235	MO.5-31	1FM-31	Diode Filter *
20	100	500	1210275	1468-001	SW5T1	MC235	MO.5-31	1FM-31	▲ ▲ ▲

‡Supplied with tuner assembly.
*Not used in all models.

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA				INSTALLATION NOTES
	RESIST-ANCE	WATTS	CHEVROLET PART No.	MALLORY PART No.	IRC PART No.	CLAROSTAT PART No.	
21A	250KΩ	1	7242259				Volume Control ‡
B	Switch						Tone Switch ‡
C	Switch						Off-On Switch ‡
22	2000Ω	1	7242204				Sensitivity Control
23	32	1	7242161				Dial Light Intensity Control

‡This is a single unit operated by concentric shafts.

RESISTORS

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	CHEVROLET PART No.	IRC PART No.	
24	100Ω	½	1213217	BW-½-100	Br.-Blk.-Br. RF Cathode
25	10KΩ	1	1211065	BTA-10K	Br.-Blk.-Or. RF Plate Load
26	15KΩ	2	7233653	BT-2-15K	Br.-Grn.-Or. Screen Dropping
27	2.2 Meg.	½	1214563	BTS-2.2 Meg	Red-Red-Grn. RF Grid
28	330KΩ	½	1214557	BTS-330K	Or.-Or.-Yl. Converter Grid
29	22KΩ	½	1214550	BTS-22K	Red-Red-Or. Oscillator Grid
30	1 Meg.	½	1213282	BTS-1 Meg.	Br.-Blk.-Grn. AVC Network
31	220KΩ	½	1214555	BTS-220K	Red-Red-Yl. AF Plate Load
32	15 Meg.	½	1213289	BTS-15 Meg.	Br.-Grn.-Blue AF Grid
33	220KΩ	½	1214555	BTS-220K	Red-Red-Yl. Output Grid
34	390Ω	1	1216149	BW-1-390	Or.-White-Br. Output Cathode
35	2700Ω	2	7242844	BT-2-2700	Red-Vi.-Red Filter
36	5600Ω	1	7240918	BTA-5600	Grn.-Blue-Red Filter
37	220Ω	1	7237994	BW-1-220	Red-Red-Br. Hash Suppression
55	560KΩ	½	1214560	BTS-560K	Grn.-Blue-Yl. Diode RF Filter

PARTS LIST AND DESCRIPTIONS (Continued)

VIBRATOR

ITEM No.	TYPE	INPUT VOLTS	FREQUENCY	REPLACEMENT DATA			INSTALLATION NOTES
				CHEVROLET PART No.	MALLORY PART No.	RADIART PART No.	
38	Interrupter	6.3	115~	8542	859	5300	Original Part #7239124

TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA			INSTALLATION NOTES
	PRI.	SEC. 1	SEC. 2	SEC. 3	CHEVROLET PART No.	STANCOR PART No.	THORDARSON PART No.	
39	5.6V DC @ 3.3A	550V CT @ .043A			7255881	P-4061§	T22R20§	§Drill new mounting holes.

TRANSFORMER (OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE		DC RES.		CHEVROLET PART No.	STANCOR PART No.	THORDARSN PART No.		
	PRI.	SEC.	PRI.	SEC.					
40	5400Ω	3.8Ω	370Ω	.5Ω	7242258	A-3877§	T22546§		§Drill new mounting holes.

SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA			INSTALLATION NOTES
			CHEVROLET PART No.	JENSEN PART No.		
	FIELD RES.	VC IMP.				
41	4.1Ω	3.8Ω	7241312			
	CONE DIA.	VC DIA.				
42	6" x9-1/8"	7/8"	NOT READILY REPLACEABLE USE COMPLETE SPEAKER UNIT			

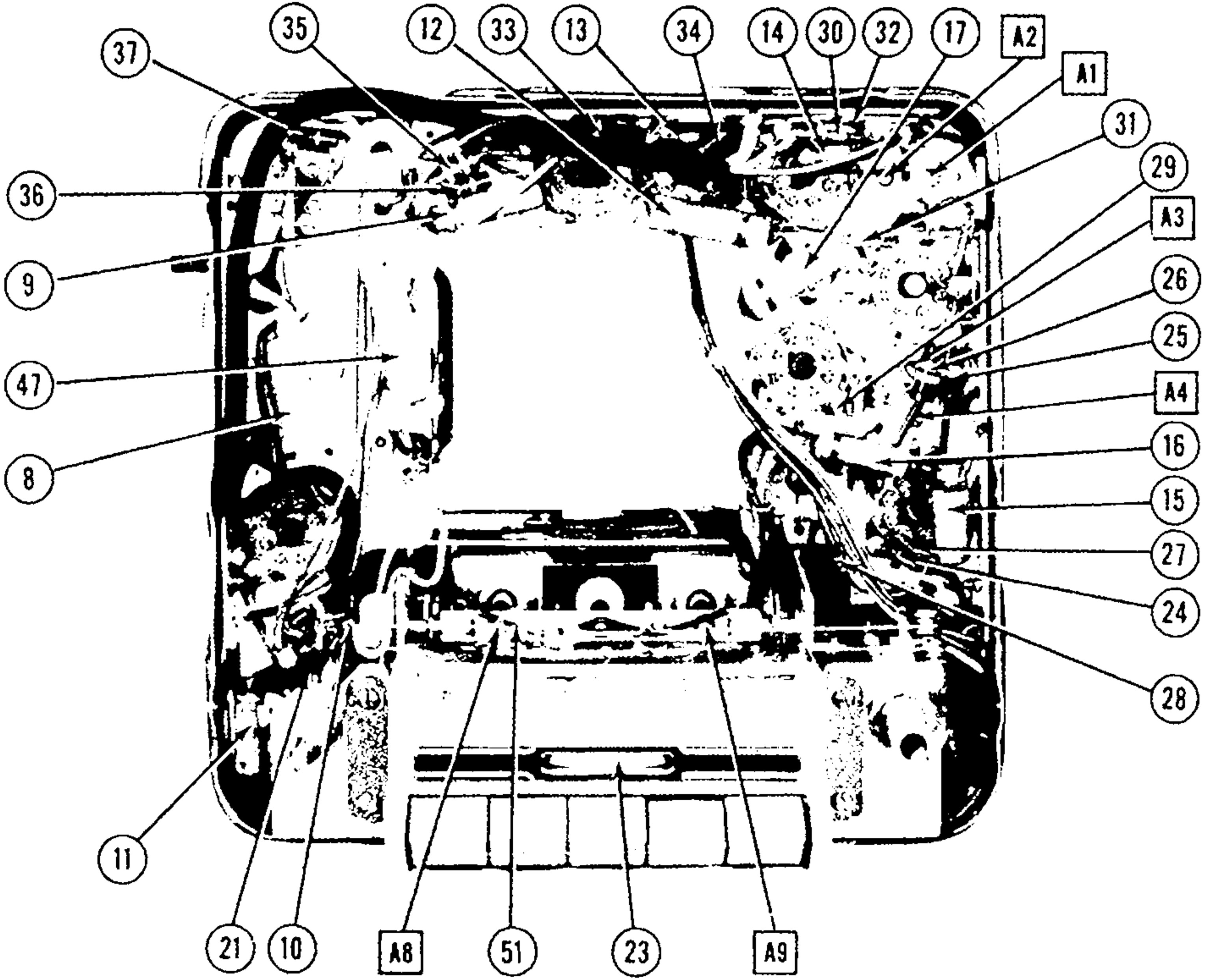
R F COILS

ITEM No.	USE	DC RES.		REPLACEMENT DATA		
		PRI.	SEC.	CHEVROLET PART No.	MEISSNER PART No.	
43	Ant.Coil Assy		7Ω	7242433		Items 43, 45, & 46 are slug tuned and ganged.
44	Ant. Choke Coil		8Ω	7240251		
45	RF Coil Assy		7Ω	7242433		
46	Osc. Coil	1Ω	1.5Ω	7242524		
47	"A" Filter Choke		0Ω	7241708		
48	Spark Plate Choke		0Ω	7240797♦		♦Includes spark plate, choke & connector assembly.
49	Input IF	53Ω	52Ω	7242079	16-6652	
50	Output IF	32Ω	34Ω	7242417		

DIAL LIGHT

ITEM No.	BASE TYPE	VOLTS	AMPS.	BEAD COLOR	REPLACEMENT DATA		INSTALLATION NOTES
					CHEVROLET PART No.		
51	Bayonet	6-8	0.40	White	125588		Type 55

CHASSIS—BOTTOM VIEW



VOLTAGE READINGS

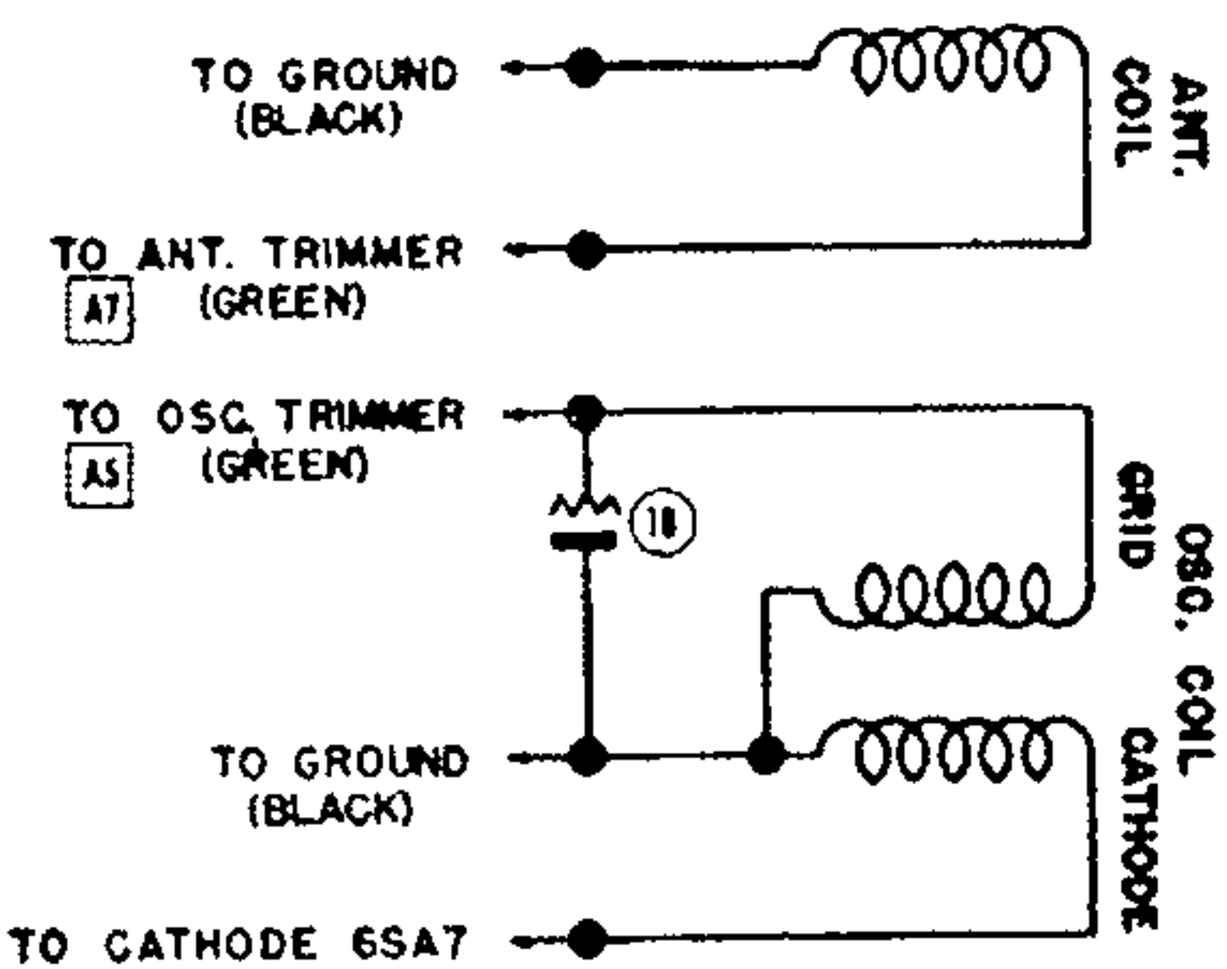
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6SK7	0V.	0V.	0V.	-1 V.DC	-6 V.DC	65V.DC	6 V.DC	180V.DC
2	6SA7	0V.	6 V.DC	200V.DC	65 V.DC	-3 V.DC	0V.	0V.	-6 V.DC
3	6SK7	0V.	0V.	0V.	-.6 V.DC	4 V.DC	65 V.DC	6 V.DC	200 V.DC
4	6SQ7	0V.	-.7 V.DC	0V.	-6 V.DC	-6 V.DC	110 V.DC	6 V.DC	0V.
5	6V6GT	0V.	6 V.DC	230V.DC	200V.DC	0V.	0V.	0V.	9.6 V.DC.
6	0Z4	0V.	0V.	240V.AC	0V.	240V.DC	0V.	0V.	240V.DC

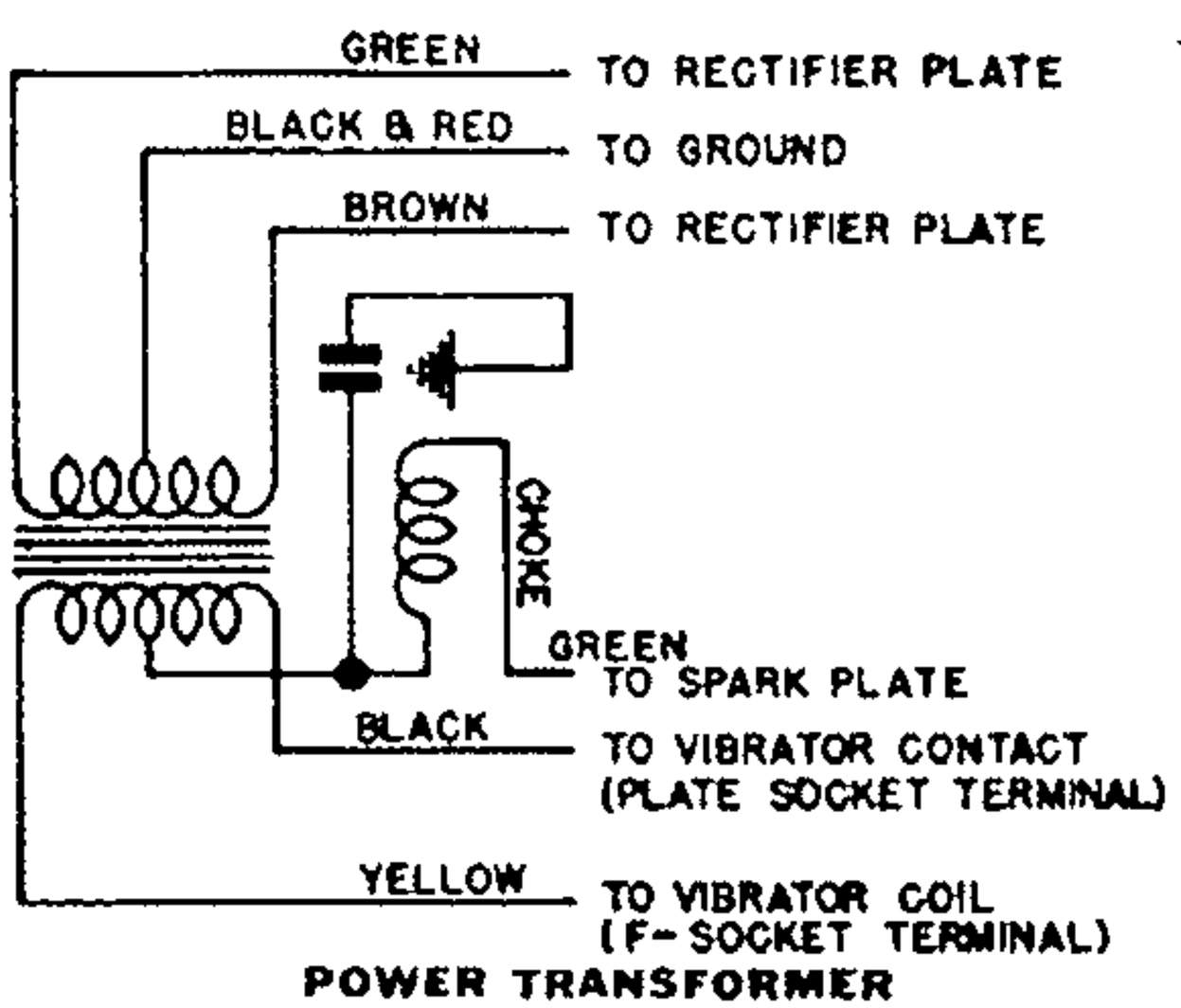
RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6SK7	0Ω	0Ω	0Ω	3.7 MEG.	85Ω	415Ω	.3 Ω	410 KΩ
2	6SA7	0Ω	.3Ω	400KΩ	415 KΩ	20 KΩ	1Ω	0Ω	1.8 MEG.
3	6SK7	0Ω	0Ω	0Ω	1.5 MEG.	1.8 KΩ	415KΩ	.3Ω	400 KΩ
4	6SQ7	0Ω	12 MEG.	0Ω	750KΩ	1.5 MEG.	820 KΩ	.3 Ω	0Ω
5	6V6GT	INF.	.3Ω	400KΩ	400 KΩ	200 KΩ	0Ω	0Ω	350Ω
6	0Z4	0Ω	INF.	290Ω	INF.	260Ω	INF.	INF.	400KΩ

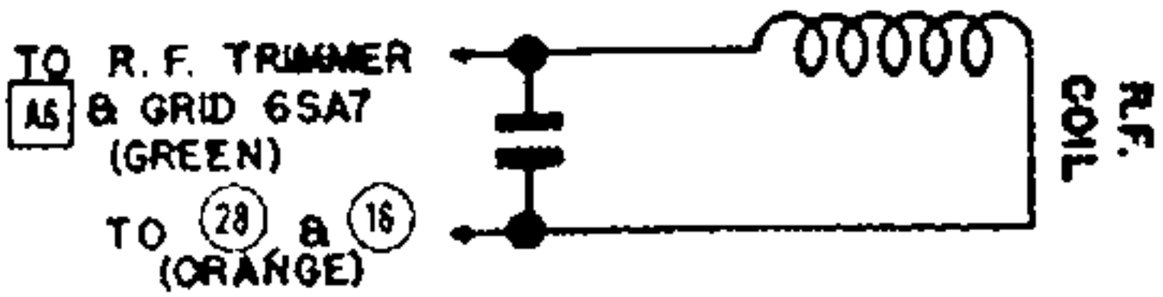
RESISTANCE READINGS IN THE B+ CIRCUITS MAY VARY WIDELY ACCORDING TO THE CONDITION OF THE FILTER CAPACITORS

1 - DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1000 ohms per volt.
2 - Socket connections are shown as bottom views.
3 - Measured values are from socket pin to common negative.
4 - Battery voltage maintained at 6.3 volts for voltage readings.
5 - Nominal tolerance on component values makes possible a variation of ± 15% in voltage and resistance readings.
6 - Volume control at maximum, no signal applied for voltage measurements.

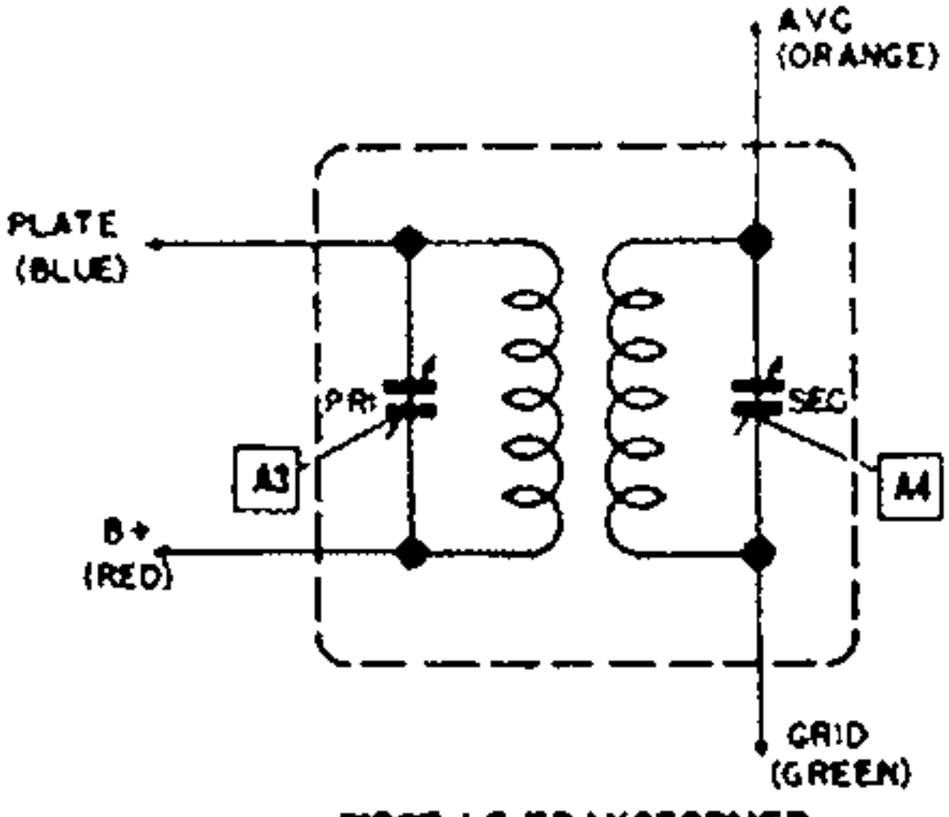




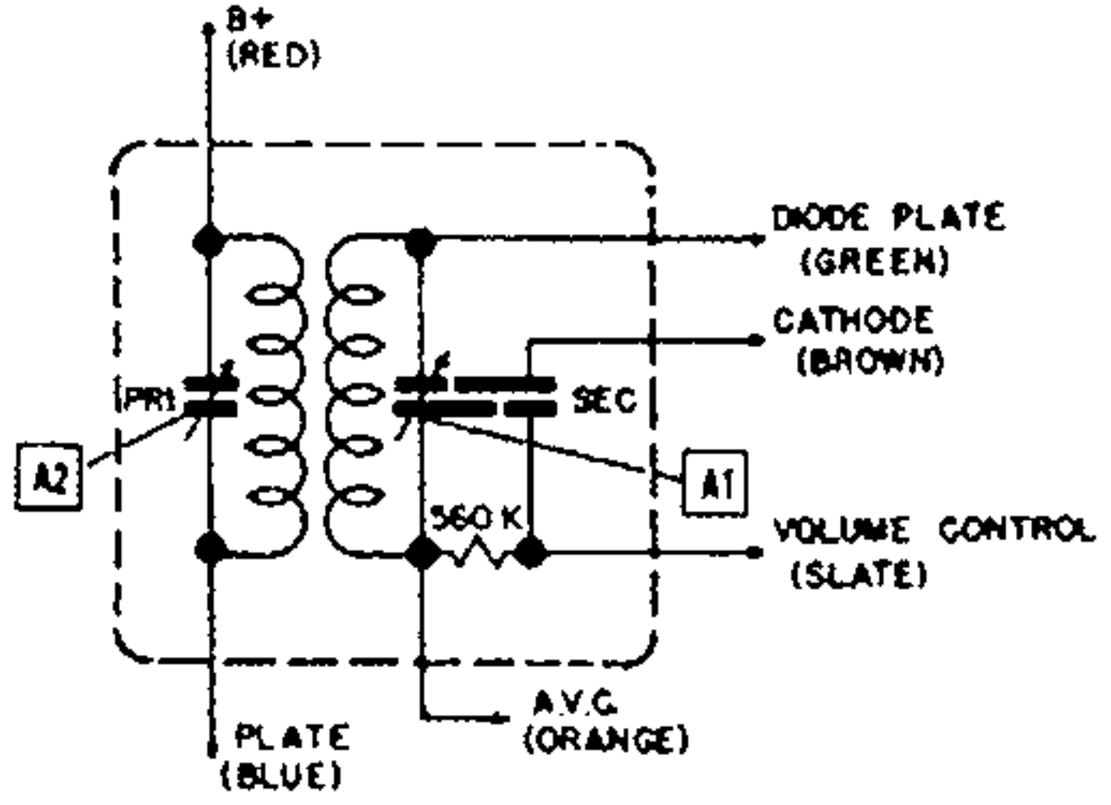
POWER TRANSFORMER



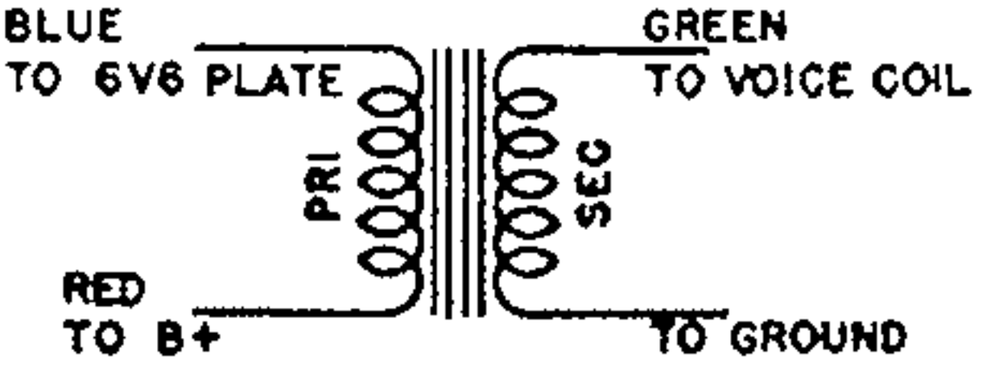
TUNER COILS



FIRST I.F. TRANSFORMER



SECOND I.F. TRANSFORMER



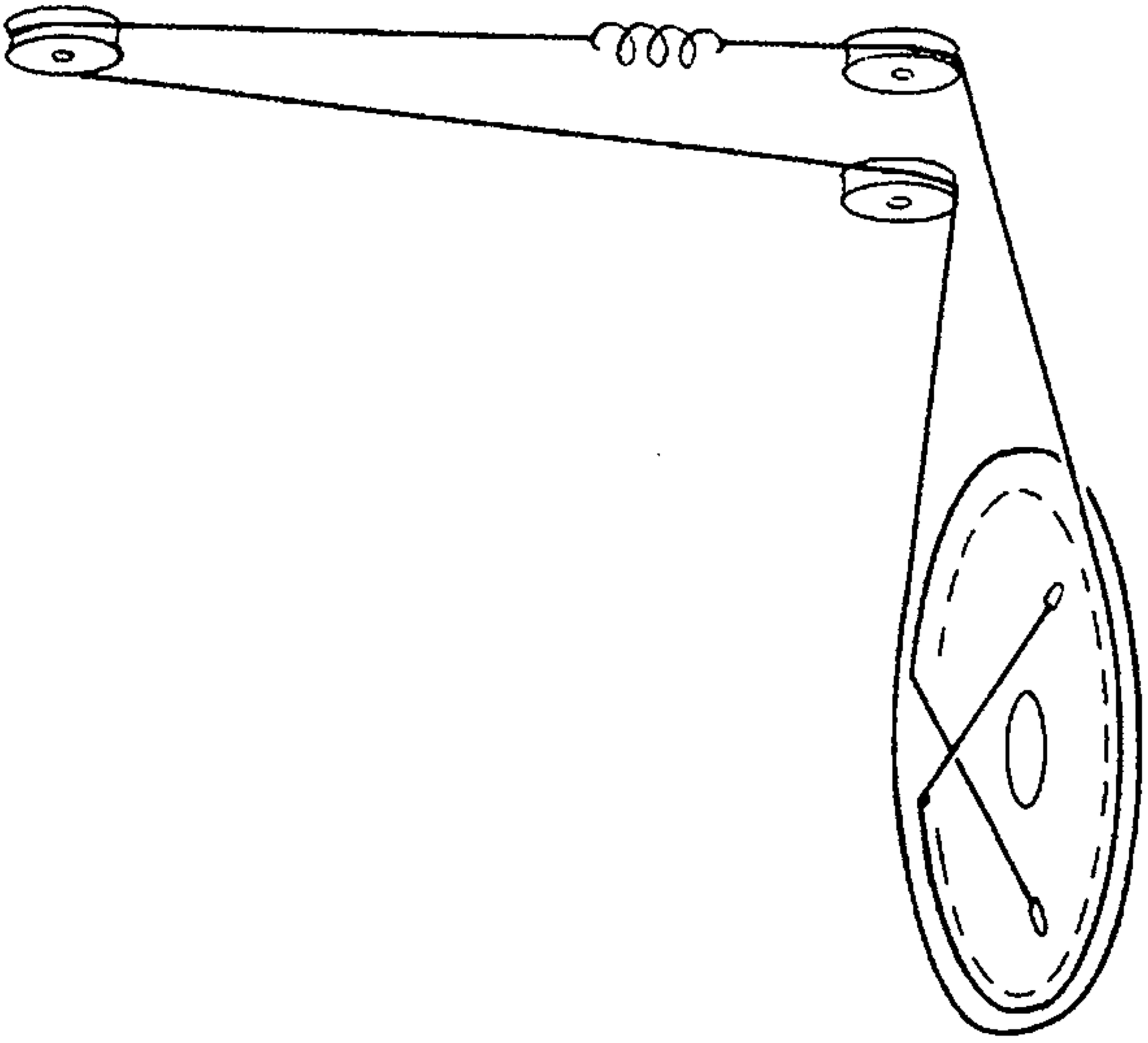
OUTPUT TRANSFORMER

MISCELLANEOUS

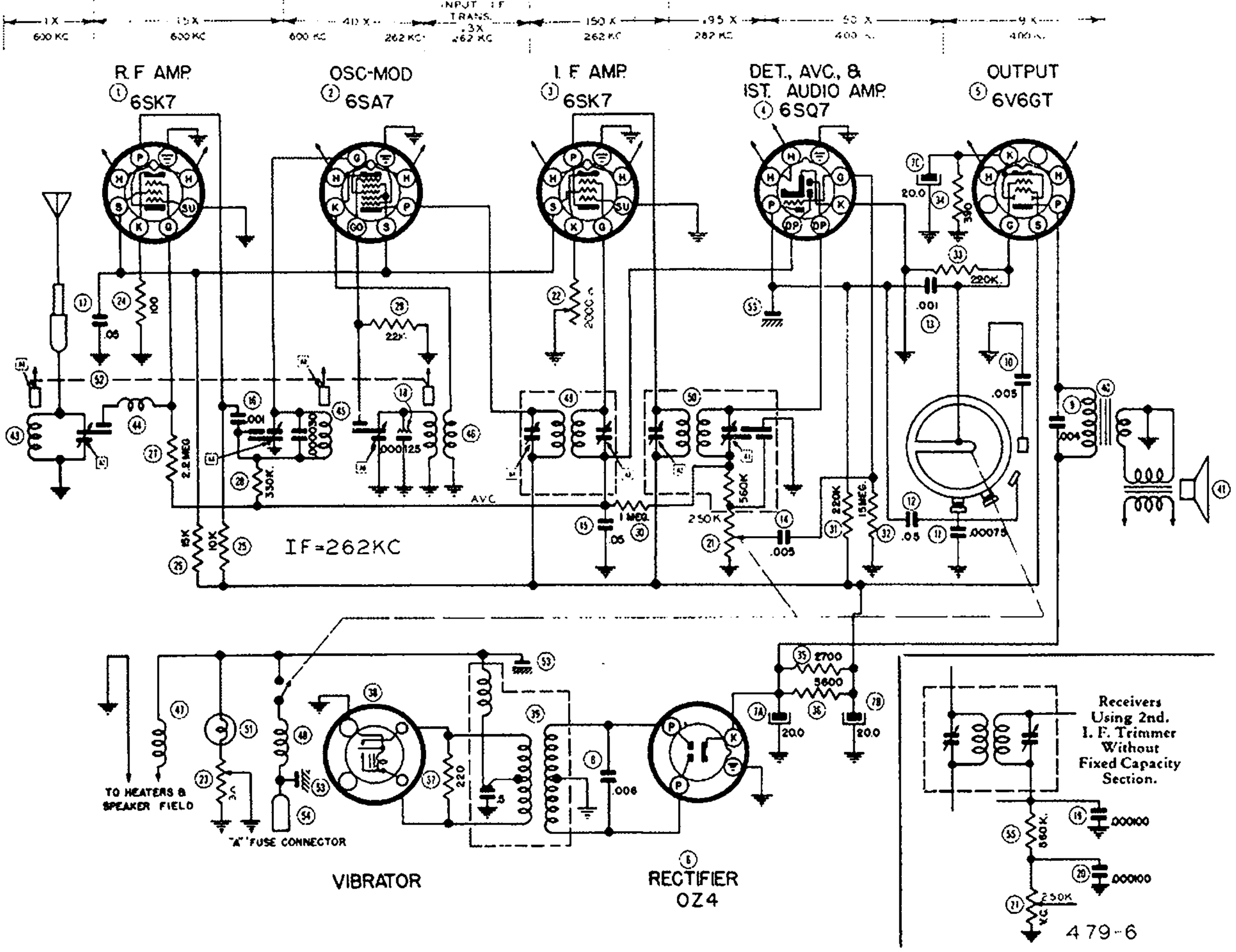
ITEM No.	PART NAME	CHEVROLET PART No.	NOTES
52	Tuner Assembly	7242496	
53	Spark Plate	7242079	
54	Fuse	147685	14 Amp.
A5	Dual Trimmer	7242454	Osc. Adj.
A6			RF Adj.
A7	Trimmer	7242013	Ant. Adj.

PUSHBUTTON ADJUSTMENTS

1. Turn set on and allow it to warm up for about 15 minutes.
2. Unlatch 1st button to be set up and loosen knurled knob beneath the button.
3. Tune in station with manual tuning control and push knurled knob in completely. Release knurled knob and tighten firmly.
4. To check accuracy of setting detune with manual tuning control and retune with pushbutton. If setting is off repeat Steps 2, 3 and 4.
5. Relatch the pushbutton.
6. To set up the remaining buttons follow the same procedure as outlined above.



DIAL CORD DRIVE

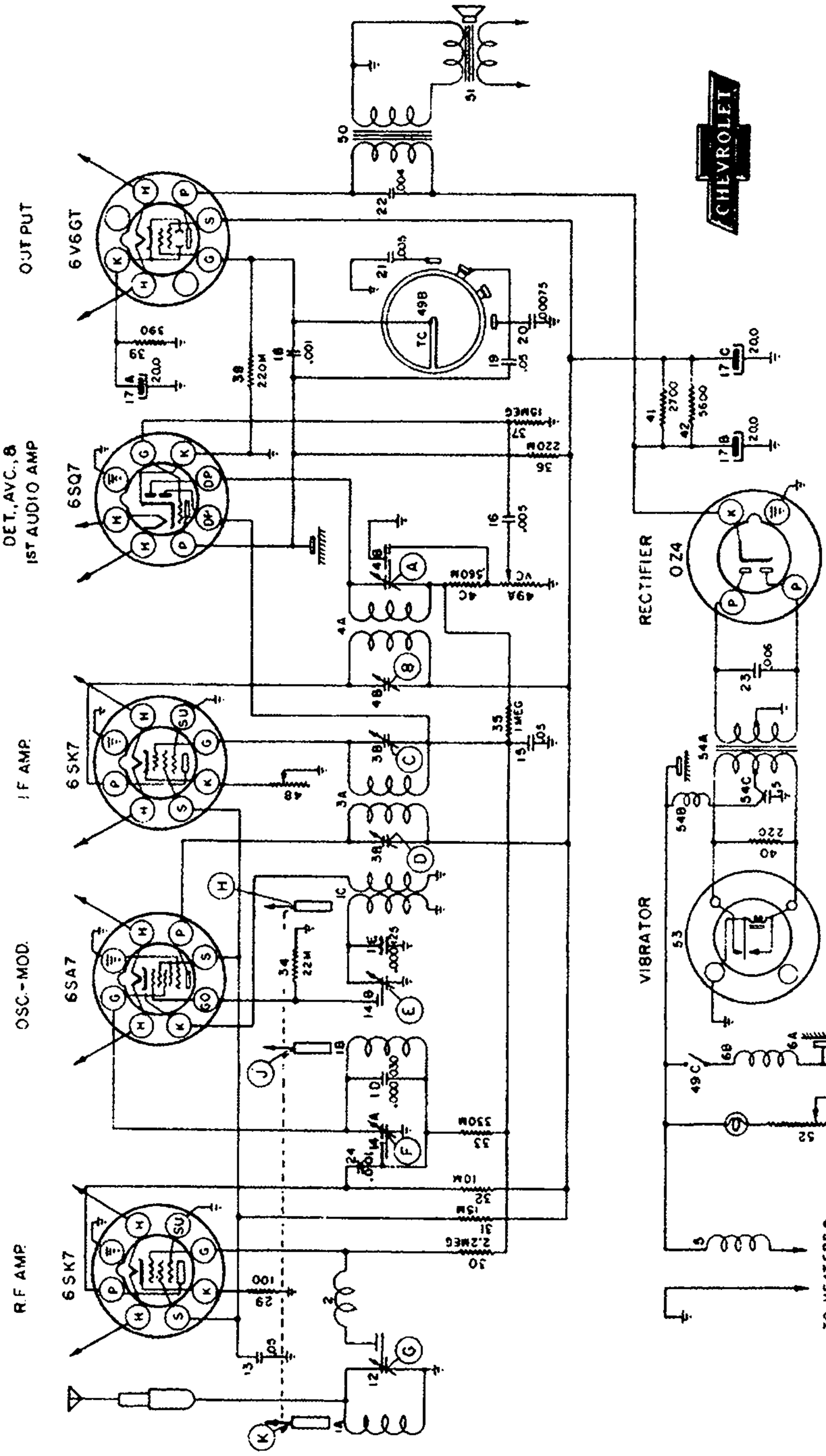


THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

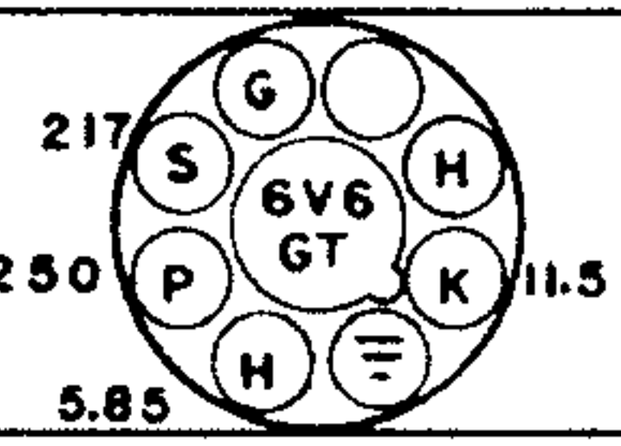
The stage gain measured values listed above are approximate values for an average operative stage, rather than an absolute value. It should be borne in mind that it is possible to introduce so many variables into the measurement operation, such as, type of equipment used for measuring, handling and placement of probes, the accuracy of alignment, etc., that an absolute reading is impractical. AVC is made inoperative and 3-volt battery bias substituted for measurement.

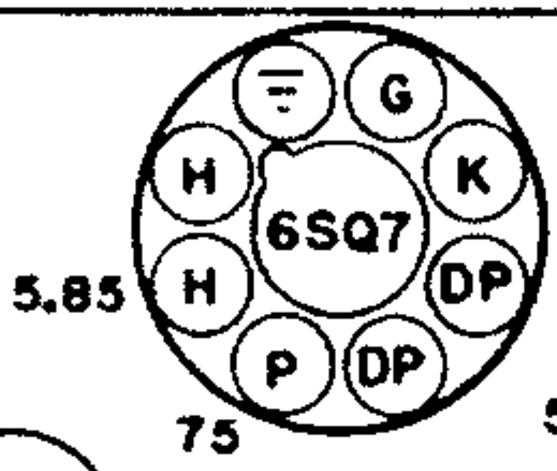
CHEVROLET

CIRCUIT DIAGRAM—RADIO 985793



Antenna trimmer "G" must be adjusted to match the car antenna when receiver is installed. With the antenna fully extended tune in a weak station near 1400 on the dial and adjust the antenna trimcrs for maximum volume.

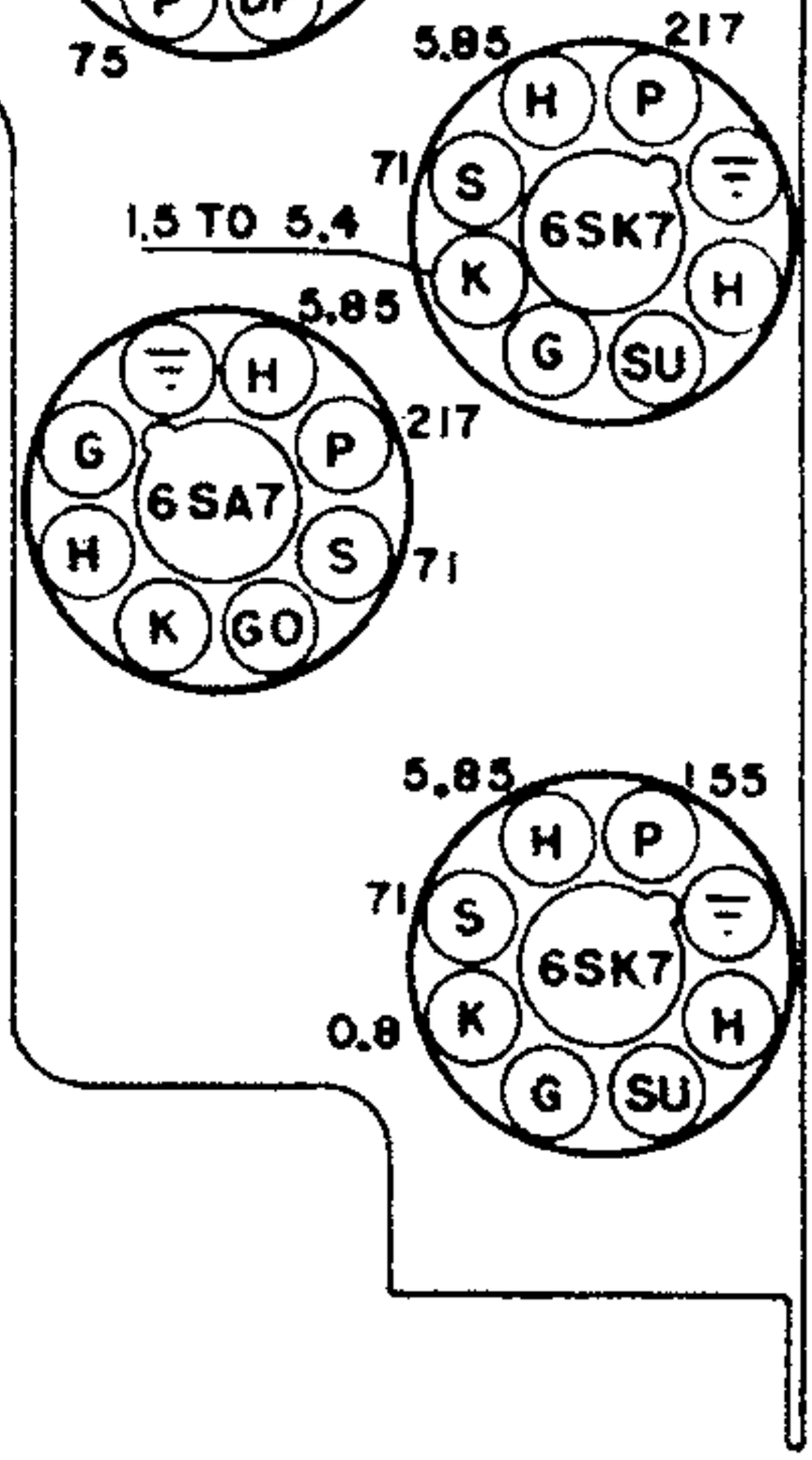




VOLTAGES TAKEN FROM SOCKET TERMINALS TO GROUND WITH A DC VOLTMETER HAVING 1000 OHMS PER VOLT RESISTANCE. 6.0V DC AT SPARK PLATE 6A. TOTAL CURRENT DRAIN WITH SPEAKER & DIAL LIGHT 7.3 AMPS. "B" DRAIN — 58 MA. TOLERANCE ON VOLTAGES ± 10%.

CHEVROLET

VOLTAGE CHART—RADIO 985793



I.F. Alignment at 262 Kilocycles

(a) Connect a 0.1 mfd. condenser between the plate prong of the 6V6GT output tube and one terminal of the output meter, to protect the meter from DC voltages. Connect the other terminal of the output meter to ground.

(b) Connect the ground lead of the signal generator to the chassis frame.

(c) Connect the signal lead of the signal generator to the grid (G) prong of the 6SA7 tube socket through a 0.1 mfd. condenser.

(d) Turn the set volume control on full and rotate the tone control knob to the center (Music) position. Adjust the signal generator to 262 kilocycles, and tune the receiver to a frequency where no squeals or beat notes may be heard and so that when the tuning control is moved through narrow limits no appreciable change in output is noticeable.

(e) Adjust the I.F. trimmers A, B, C, and D for maximum output.