



PRODUCTION CHANGES
BULLETIN 131

SUPPLEMENTAL DATA TO PHOTOFACT FOLDER 3 IN SET 248																		
	<p>Buick auto radio model 981550 was covered in Photofact Folder 3 - Set 248.</p> <p>Buick model 981651 (For All 1955 Cars) is identical to model 981550, except for the following:</p>																	
	<p>ELECTRICAL CHANGES</p> <p>Filament choke (L8) changed to part #7265936.</p> <p>C14 is increased from .0015MFD to .004MFD, 800V tubular,(part #H-402).</p>																	
	<p>MECHANICAL CHANGES</p> <table><thead><tr><th>DESCRIPTION</th><th>NEW PART NUMBER</th></tr></thead><tbody><tr><td>Escutcheon Assembly</td><td>7265659</td></tr><tr><td>Dial</td><td>7265656</td></tr><tr><td>Pointer Assembly</td><td>1220687</td></tr><tr><td>Fuse</td><td>455640</td></tr><tr><td>Knob, volume</td><td>1167355</td></tr><tr><td>Knob, dummy</td><td>1167477</td></tr><tr><td>Knob, tone</td><td>1167478</td></tr></tbody></table>		DESCRIPTION	NEW PART NUMBER	Escutcheon Assembly	7265659	Dial	7265656	Pointer Assembly	1220687	Fuse	455640	Knob, volume	1167355	Knob, dummy	1167477	Knob, tone	1167478
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BUICK MODEL 981651

PRODUCTION CHANGES
BULLETIN 131

SUPPLEMENTAL DATA TO PHOTOFACT FOLDER 2 IN SET 257		BUICK MODEL 981652													
	<p>Buick auto radio model 981551 was covered in Photofact Folder 2 – Set 257.</p> <p>Buick model 981652 (For All 1955 Cars) is identical to model 981551, except for the following:</p>														
	<p>ELECTRICAL CHANGES</p> <p>C17 is increased from .0015MFD to .004MFD, 800V tubular (part #H-402).</p> <p>R16 is increased from 27KΩ to 47KΩ (part #B-473).</p> <p>R33 has been omitted on all 1955 models.</p>														
	<p>MECHANICAL CHANGES</p> <table><thead><tr><th>DESCRIPTION</th><th>NEW PART NUMBER</th></tr></thead><tbody><tr><td>Escutcheon Assembly</td><td>7265675</td></tr><tr><td>Dial</td><td>7265679</td></tr><tr><td>Gear Train Assembly</td><td>7265765</td></tr><tr><td>Knob, volume</td><td>1167355</td></tr><tr><td>Knob, sensitivity</td><td>1167479</td></tr><tr><td>Knob, tone</td><td>1167478</td></tr></tbody></table>		DESCRIPTION	NEW PART NUMBER	Escutcheon Assembly	7265675	Dial	7265679	Gear Train Assembly	7265765	Knob, volume	1167355	Knob, sensitivity	1167479	Knob, tone
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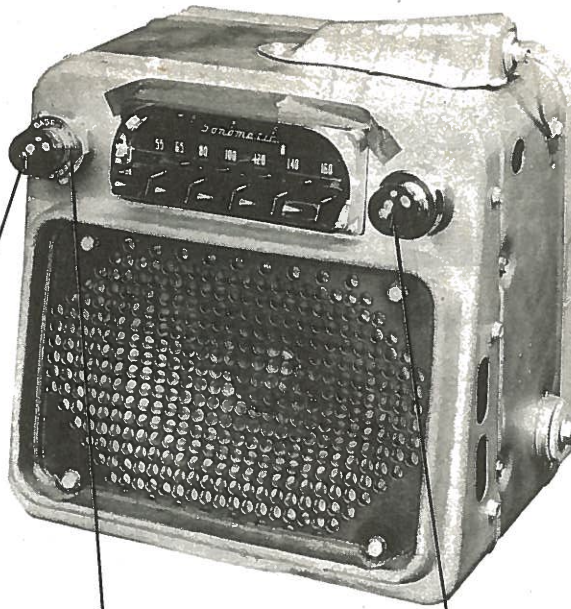
HOWARD W. SAMS & CO., INC. • Indianapolis 5, Indiana

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BUICK
MODEL 981550VOLUME
CONTROL
ON-OFF
SWITCHTONE
CONTROLTUNING
CONTROL

TRADE NAME Buick Model 981550
 SUPPLIER Buick Motors, Div. of General Motors, Detroit, Mich.
 TYPE SET Battery Operated Custom Built Automobile Superheterodyne Receiver
 TUBES (Seven) Types 12BA6 RF Amp., 12BE6 Conv., 12BA6 IF Amp., 12BF6 Det.-AVC-AF Amp.,
 (2) 12V6GT Audio Output, 0Z4 Rectifier

POWER SUPPLY 12 Volt Storage Battery
 TUNING RANGE—BROADCAST 550-1600KC

RATING 2.7 Amp. @ 12.6 Volts DC

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Volume control 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.
 Turn tone control to treble position.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1. .1MFD	High side to pin 7 (grid) of 12BE6 (V2). Low side to chassis.	262KC (400%Mod)	High frequency end stop	Across voice coil	A1, A2 A3, A4	Adjust for maximum output.
2. 75MMF	High side thru 75MMF to antenna receptacle Low side to chassis.	1615KC	"	"	A5, A6, A7	Check mechanical setting of A8. The rear of core should be 1 25/32" from mounting end of coil form. If necessary, make this adjustment and re-seal core. Adjust A5, A6 and A7 for maximum output.
3. "	"	1000KC	Tune to 1000KC signal	"	A9, A10	Adjust for maximum output. ,
4. "	"	1615KC	High frequency end stop	"		Retouch A6 and A7 for maximum output.
5. "	"	1000KC	Tune to 1000KC signal	"		If necessary, place the dial pointer opposite the first "0" of 100 on the dial with the pointer adjustment screw.
6. With the radio installed in the car and the antenna fully extended tune in a weak station between 600 and 1000KC and adjust A7 for maximum volume.						

PUSH BUTTON ADJUSTMENT

Press push button to the right and pull out.
 Tune manually to the desired station and press the push button all the way in.
 Repeat procedure for remaining push buttons.

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DATE 8-54

SET 248

FOLDER 3

A-R-4

BUICK
MODEL 981550

PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA, GENERAL ELECTRIC, WESTINGHOUSE)

ITEM No.	USE	REPLACEMENT DATA		RETMA BASE TYPE	NOTES
		BUICK PART No.	STANDARD REPLACEMENT		
V1	RF Amplifier	12BA6	12BA6	7BK	
V2	Converter	12BE6	12BE6	7CH	
V3	IF Amplifier	12BA6	12BA6	7BK	
V4	Det.-AVC-AF Amp	12BF6	12BF6	7BT	
V5	Audio Output	12V6GT	12V6GT	7S	
V6	Audio Output	12V6GT	12V6GT	7S	
V7	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.

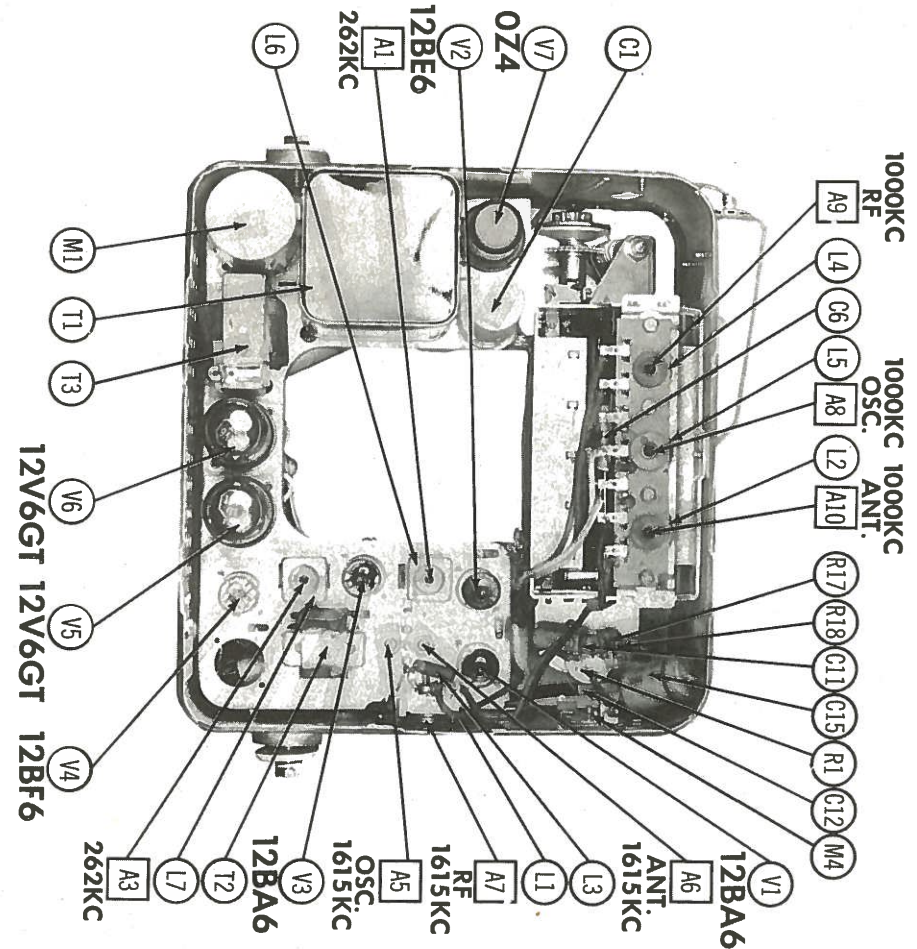
ITEM No.	RATING		REPLACEMENT DATA							NOTES
	CAP.	VOLT	BUICK PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	MALLORY PART No.	SPRAGUE PART No.	
C1A	20	400	M-908	AFH3-120		C099		FP345.8	TVL-3678	
B	20	400								
C	20	25								
C2	.05	200	6512	P288-05	DF-503	PJ285		PT415	2TM-S5	
C3	.1	400	6513	P488-1	DF-104	CUB4P1		PT401	4TM-P1	
C4	.39	500	G-390	1468-0004		5W5T39		MCB223	MS-44	
C5	.39	500	G-390	1468-0004		5W5T39		MCB223	MS-44	
C6	1800		7257424							
C7	10	500	G-100	1469-00001		5W5Q1		MCB215	MS-41	
C8	.005	600	6531	P688-005	DD-502	CUB6D5	GP2-333-502	PT625	6TM-D5	
C9	220		G-221	1468-0002		5W5T2		MCB237	MS-37	
C10	.2	400	6514	P488-2		CUB4P2		PT402	4TM-P2	
C11	.004	600	6530	P688-004	D6-402	CUB6D4	GP2-333-402	PT624	6TM-D4	
C12	180	500	G-181	1467-00015		5W5T18		MCB236	1FM-315	
C13	.025	400	1211232	P488-025		CUB4S25		PT4125	4TM-S25	
C14	.0015	800	7236134	P1088-0015		CUB16D15		PT16215	MB-D15	
C15	.5	100	6592	VHC-36		PJ2P5		RF480	HC-3	
C16	.47	100	7257906	VHC-36		PJ2P5		RF480	HC-3	
C17	.007	1600	H-702	P1688-007		CUB16D7		PT1627	MB-D7	

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESIST-ANCE	WATTS	BUICK PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	MALLORY PART No.	
RIA	250KΩ		7264309					Tone-panel - Note Volume & Switch tapped @ 220KΩ -rear
B	500KΩ							

Note . Ground the right hand terminal.

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

ITEM No.	RATING		REPLACEMENT DATA		NOTES
	OHMS	WATT	BUICK PART No.	IRC PART No.	
R2	2.2Meg	1/4	A-225	BTS-2.2Meg	
R3	82Ω	1/4	1214541	BTS-82	
R4	15KΩ	1/4	B153	BTA-15K	
R5	330KΩ	1/4	A-334	BTS-330K	
R6	22KΩ	1/4	A-223	BTS-22K	
R7	15KΩ	1/4	G-153	BTB-15K	
R8	150Ω	1/4	A-151	BTS-150	
R9	1Meg	1/4	A-105	BTS-1Meg	
R10	1Meg	1/4	A-105	BTS-1Meg	
R11	1Meg	1/4	A-105	BTS-1Meg	
R12	1000Ω	1/4	A-102	BTS-1000	

Note 1. Not used in all models.

TRANSFORMER (VIBRATOR)

ITEM No.	RATING				REPLACEMENT DATA				
	PRI.	SEC. 1	SEC. 2	SEC. 3	BUICK PART No.	Stancor PART No.	Merit PART No.	Triad PART No.	Halldorson PART No.
T1	12.6V @ 2.7A	400VCT .058A			6066				

TRANSFORMER (DRIVER)

ITEM No.	RATING				REPLACEMENT DATA				
	PRI.	SEC. 1	SEC. 2	SEC. 3	BUICK PART No.	Stancor PART No.	Merit PART No.	Triad PART No.	Halldorson PART No.
T2	1.8KΩ CT				6061				

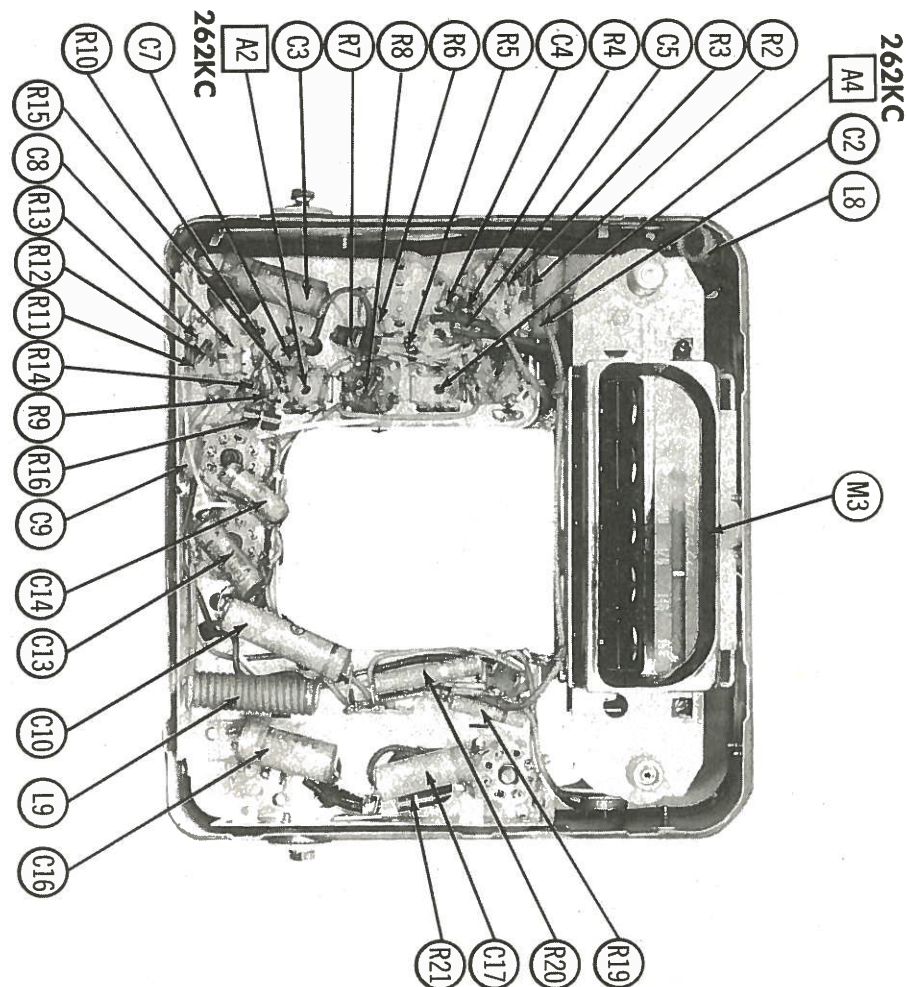
TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA						NOTES
	PRI.	SEC.	BUICK PART No.	Stancor PART No.	Merit PART No.	Triad PART No.	Halldorson PART No.	Thordarson PART No.	
T3	7.8KΩ CT	4Ω	6063	A-3852	A-2936	S-15X	Z1002	22S87	

SPEAKER

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	SIZE	FIELD	V. C. IMP.	BUICK PART No.	JENSEN PART No.	QUAM PART No.	
SP1	6 X 9"	PM	4Ω	7264667	ST-810 P69-V	69A2	

CHASSIS—BOTTOM VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA				NOTES
		PRI.	SEC.	BUICK PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	
L1	Ant. Coupling	.7Ω			19-1004		4610	6.8 Microhenries
L2	Ant. Coil	10Ω		7258914				
L3	RF Coupling	4.2Ω		7240251	19-6022		4626	28 Microhenries
L4	RF Coil	12Ω		7258914				
L5	Osc. Coil	1.2Ω	4.5 Ω	7260499				
L6	Input IF	30Ω	32Ω	1218725	16-8752	BC-350	12-H1	
L7	Output IF	31Ω	30Ω	1218726	16-8754	BC-354	12-H6	
L8	Flt. Choke	0Ω		1217846				
L9	Flt. Choke	0Ω		1217846				

PARTS LIST AND DESCRIPTIONS (Continued)

MISCELLANEOUS

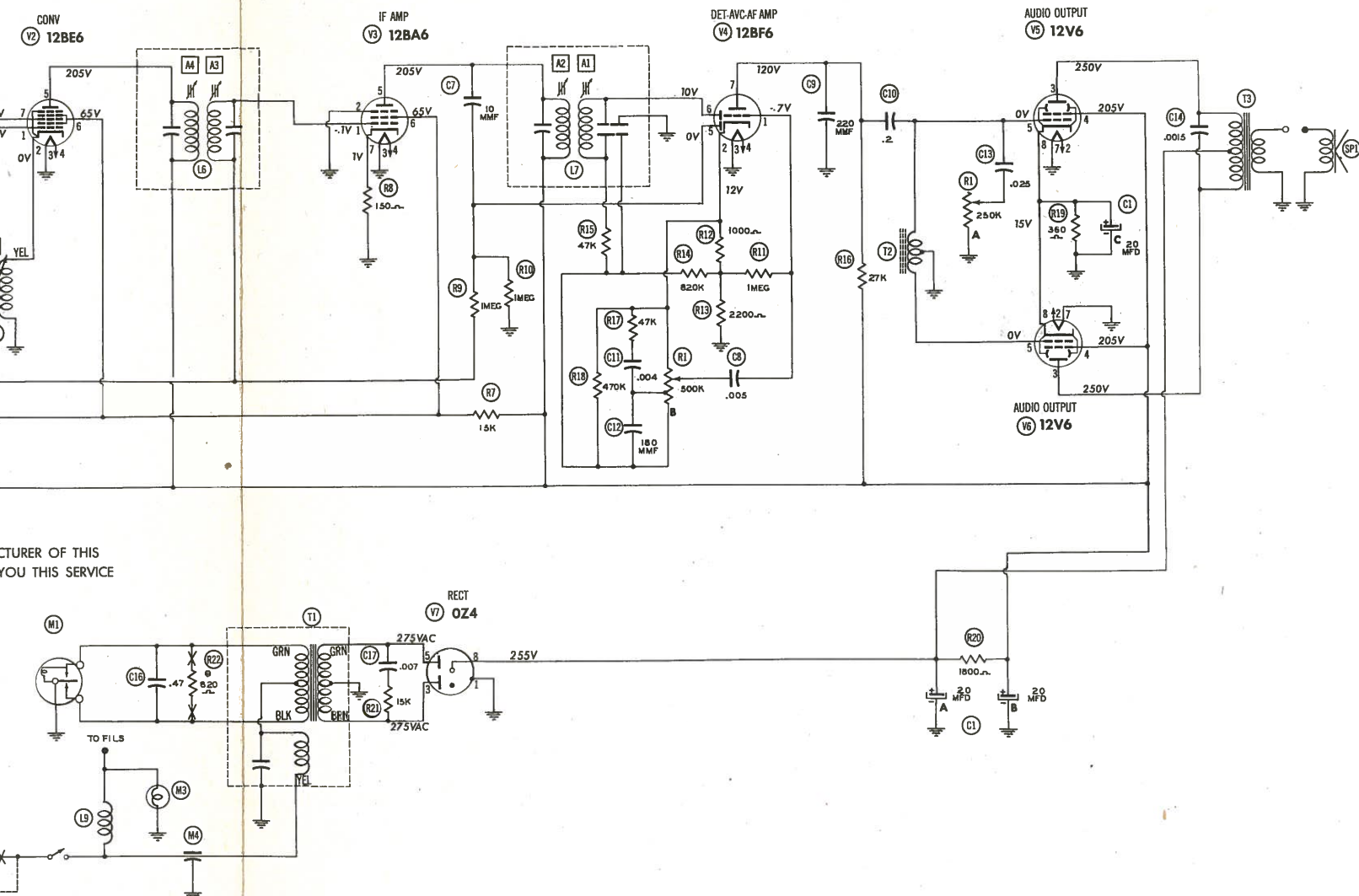
ITEM No.	PART NAME	BUICK PART No.	NOTES
M3	Dial Light	7263675	#57 Bayonet
M4	Spark Plate	1217848	
A7	Trimmer Cap.	7264297	Antenna
A5, A6	Trimmer Cap.	7242454	Dual -RF & Osc.sections
	Knob	1163889	Control
	Knob	1163891	Dummy
	Knob	1163633	Tone
	Push button & Slide Assembly	1220312	

VIBRATOR

ITEM No.	TYPE	INPUT VOLTS	FRE-QUENCY	REPLACEMENT DATA				NOTES
				BUICK PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	RADIART PART No.	
M1	Interrupter	12.6V	115 ~	8550	6330	G-874	6330	

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			BUICK PART No.		LITTELFUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
M2	7AG	7.5A 32V	455640	1220177	30307.5 (7AG-7.5A)	155009	AGW7 ½	HRH



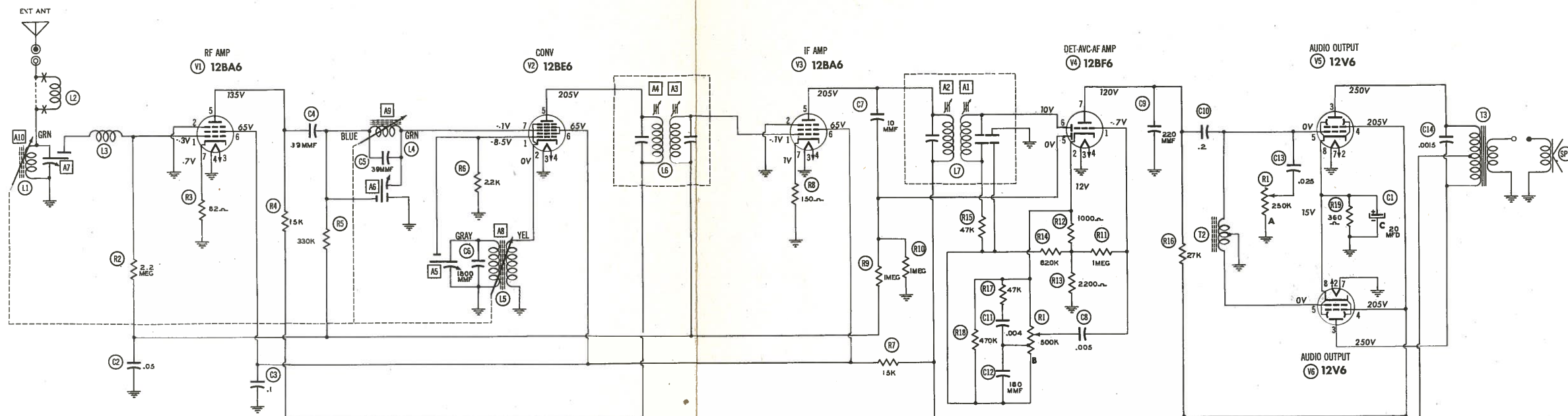
CTURER OF THIS
YOU THIS SERVICE

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
V 1	12BA6	4.2Meg	0Ω	3Ω	0Ω	†16.8KΩ	†16.8KΩ	82Ω	
V 2	12BE6	22KΩ	1.3Ω	0Ω	3Ω	†1.8KΩ	†16.8KΩ	2.3Meg	
V 3	12BA6	2Meg	0Ω	3Ω	0Ω	†1.8KΩ	†16.8KΩ	150Ω	
V 4	12BF6	1Meg	3.5KΩ	3Ω	0Ω	1Meg	280KΩ	†29KΩ	
V 5	12V6GT	INF	3Ω	†185Ω	†1.8KΩ	1KΩ	2Meg	0Ω	360Ω
V 6	12V6GT	250KΩ	0Ω	†185Ω	†1.8KΩ	1KΩ	INF	3Ω	360Ω
V 7	OZ4	0Ω	INF	220Ω	INF	230Ω	INF	INF	1.2Meg

† MEASURED FROM PIN 8 OF V7

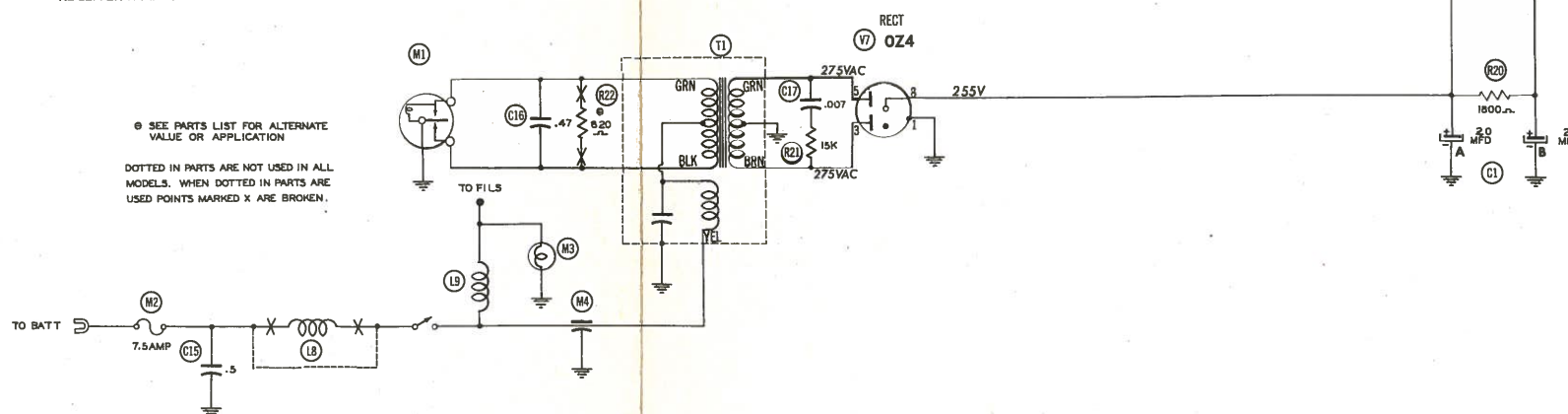
1. DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured at 1000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Battery voltage maintained at 12.6 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of $\pm 1\%$ in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.



IF = 262 KC
THE COOPERATION OF THE MANUFACTURER OF THIS
RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

SEE PARTS LIST FOR ALTERNATE
VALUE OR APPLICATION

DOTTED IN PARTS ARE NOT USED IN ALL
MODELS. WHEN DOTTED IN PARTS ARE
USED POINTS MARKED X ARE BROKEN.



RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
V 1	12BA6	4.2Meg	0Ω	3Ω	0Ω	†16.8KΩ	†16.8KΩ	82Ω	
V 2	12BE6	22KΩ	1.3Ω	0Ω	3Ω	†1.8KΩ	†16.8KΩ	2.3Meg	
V 3	12BA6	2Meg	0Ω	3Ω	0Ω	†1.8KΩ	†16.8KΩ	150Ω	
V 4	12BF6	1Meg	3.5KΩ	3Ω	0Ω	1Meg	280KΩ	†29KΩ	
V 5	12V6GT	INF	3Ω	†185Ω	†1.8KΩ	1KΩ	2Meg	0Ω	360Ω
V 6	12V6GT	250KΩ	0Ω	†185Ω	†1.8KΩ	1KΩ	INF	3Ω	360Ω
V 7	0Z4	0Ω	INF	220Ω	INF	230Ω	INF	INF	1.2Meg

† MEASURED FROM PIN 8 OF V7

1. DC voltage measurements taken with vacuum tube voltmeter;
2. AC voltages measured at 1000 ohms per volt.
3. Socket connections are shown as bottom views.
4. Measured values are from socket pin to common negative.
5. Battery voltage maintained at 12.6 volts for voltage readings.
6. Nominal tolerance on components values makes possible a variation of ± 15% in voltage and resistance readings.
7. Volume control at maximum, no signal applied for voltage measurements.