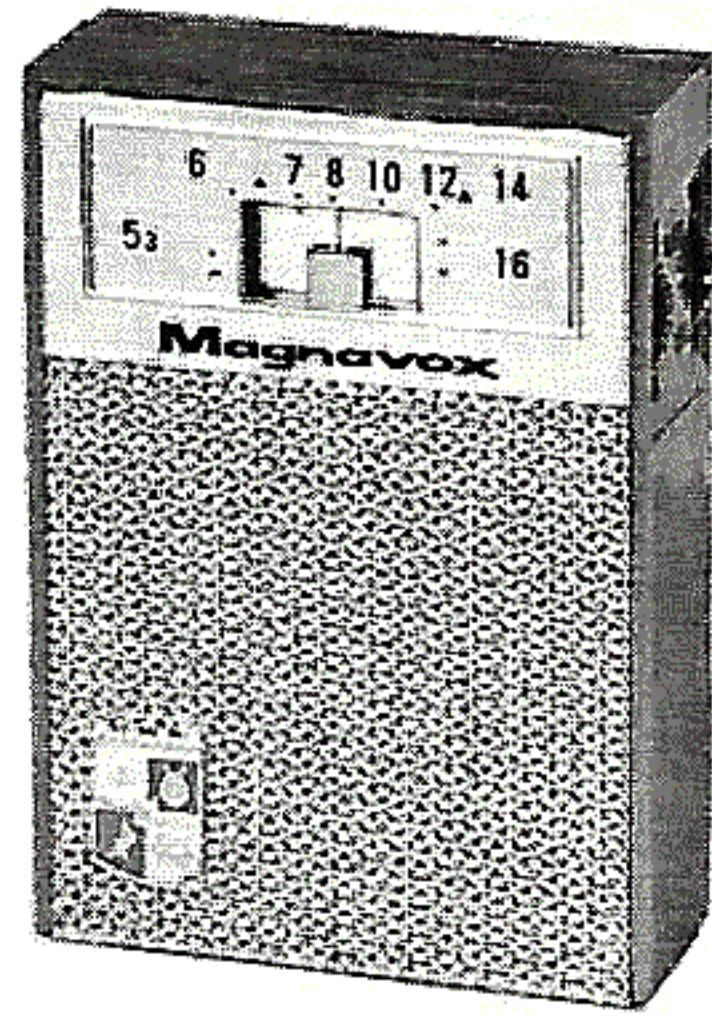




PHOTOFACT[®] with

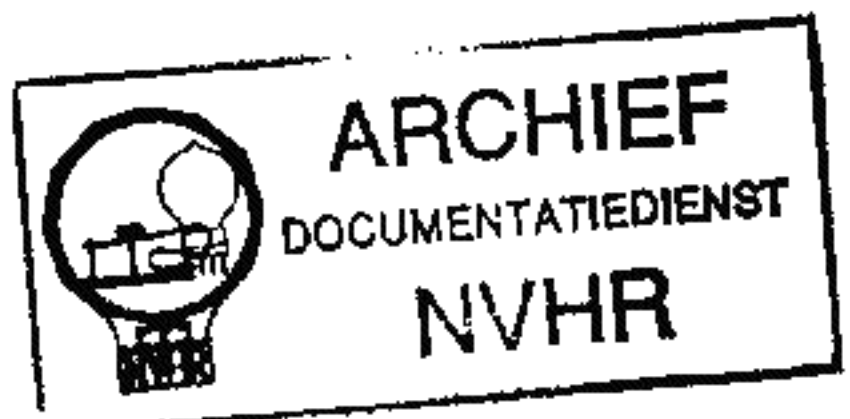
CIRCUITRACE[®]



TRADE NAME: Magnavox Model AM-62
 SUPPLIER: The Magnavox Co.,
 2131 Bueter Road, Fort Wayne 4, Indiana
 TYPE SET: 6 Transistor AM Receiver
 POWER SUPPLY: 9 Volts DC
 RATING: 7MA @ 9 Volts DC (No Signal, Min. Volume)
 15MA @ 9 Volts DC (Signal, Normal Volume)
 TUNING RANGE: BROADCAST 535 - 1620KC

Met dank aan Jef Bos

Ned. Ver. v. Historie v/d Radio



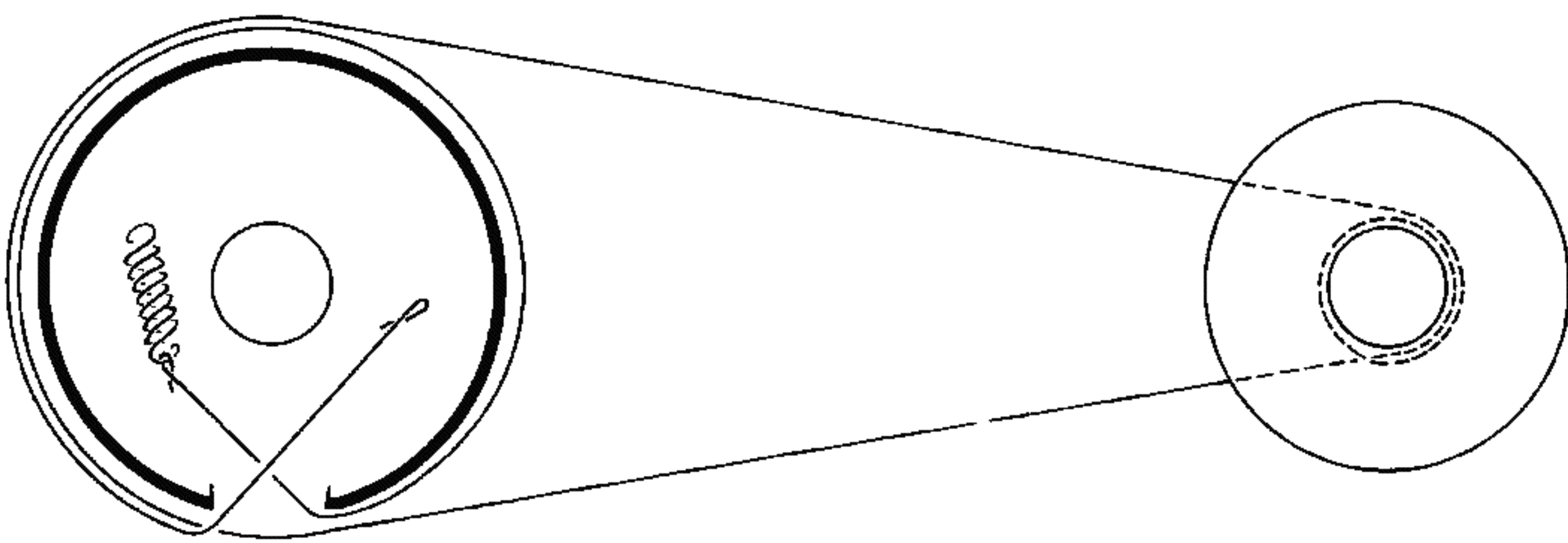
ALIGNMENT INSTRUCTIONS

Check for specified source voltage.
 Fashion loop of several turns of wire and connect generator across loop.
 Adjust output of generator to radiate only enough signal into receiver to obtain a suitable indication.
 Suggested Alignment Tools:

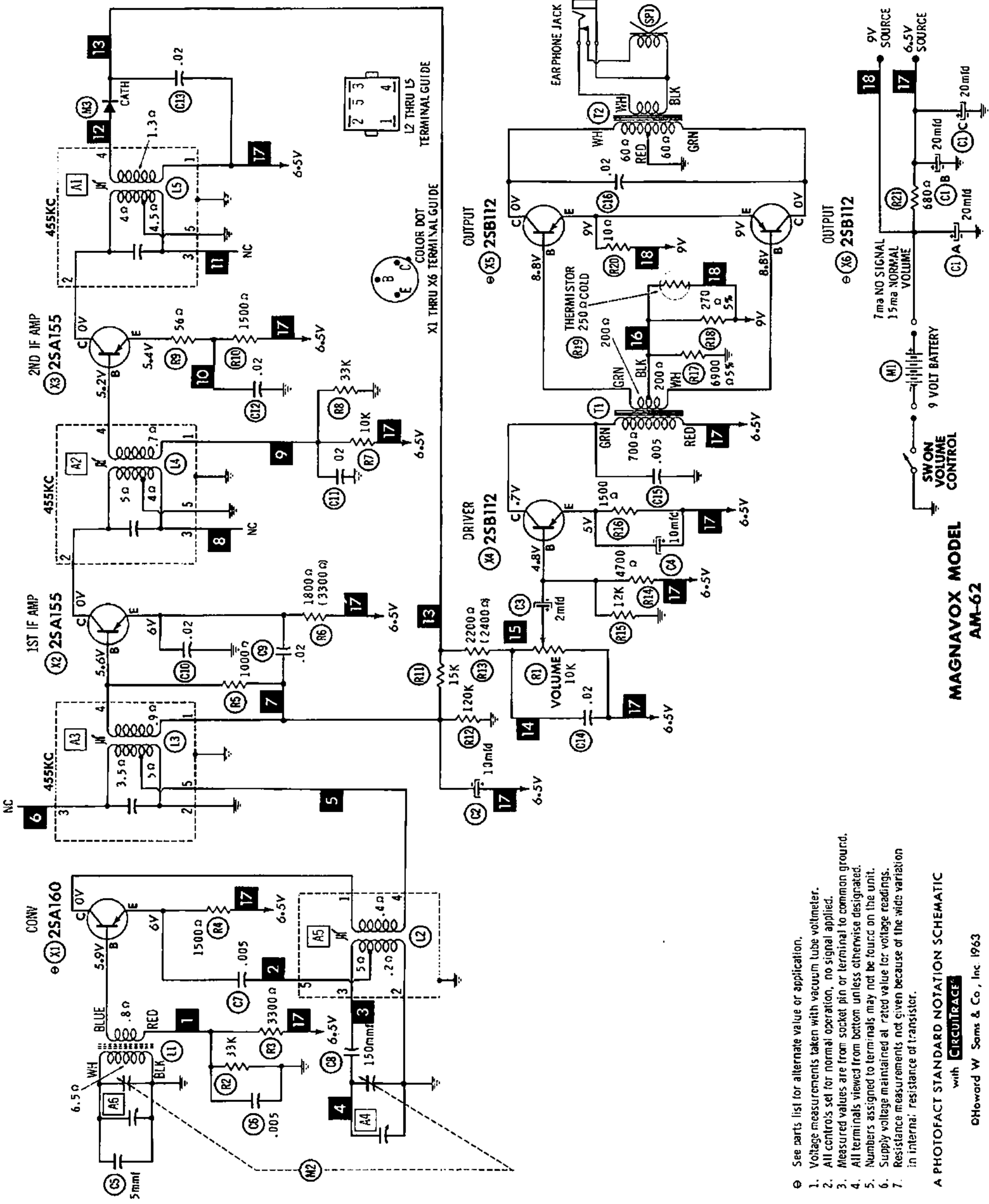
- A1, A2, A3, A5.....GENERAL CEMENT #5067, 8282, 8606
 WALSCO #2526, 2543
- A4, A6.....GENERAL CEMENT #5000, 5066, 8290
 WALSCO #2525

	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC (400v Mod.)	Tuning gang fully open.	Output Meter across voice coil.	A1, A2, A3	Adjust for maximum. Repeat as required.
2.	1620KC	"	"	A4	Adjust for maximum.
3.	600KC	Tune to Signal.	"	A5	Rock tuning gang and adjust for maximum. Repeat steps 2 and 3.
4.	1400KC	"	"	A6	Adjust for maximum.

DIAL CORD STRINGING



HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana



- e See parts list for alternate value or application.
 1. Voltage measurements taken with vacuum tube voltmeter.
 2. All controls set for normal operation, no signal applied.
 3. Measured values are from socket pin or terminal to common ground.
 4. All terminals viewed from bottom unless otherwise designated.
 5. Numbers assigned to terminals may not be found on the unit.
 6. Supply voltage maintained at rated value for voltage readings.
 7. Resistance measurements not given because of the wide variation in internal resistance of transistor.

A PHOTOFACT STANDARD NOTATION SCHEMATIC

with **CIRCUITACE**

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MAGNAVOX MODEL AM-62

SWON VOLUME CONTROL

9 VOLT BATTERY

7 ma NO SIGNAL
15 ma NORMAL VOLUME

OUTPUT e (X6) 2SB112

OUTPUT e (X5) 2SB112

DRIVER e (X4) 2SB112

2ND IF AMP e (X3) 2SA155

1ST IF AMP e (X2) 2SA155

CONV e (X1) 2SA160

9V SOURCE
6.5V SOURCE

EARPHONE JACK

TERMINAL GUIDE

12 THRU 15

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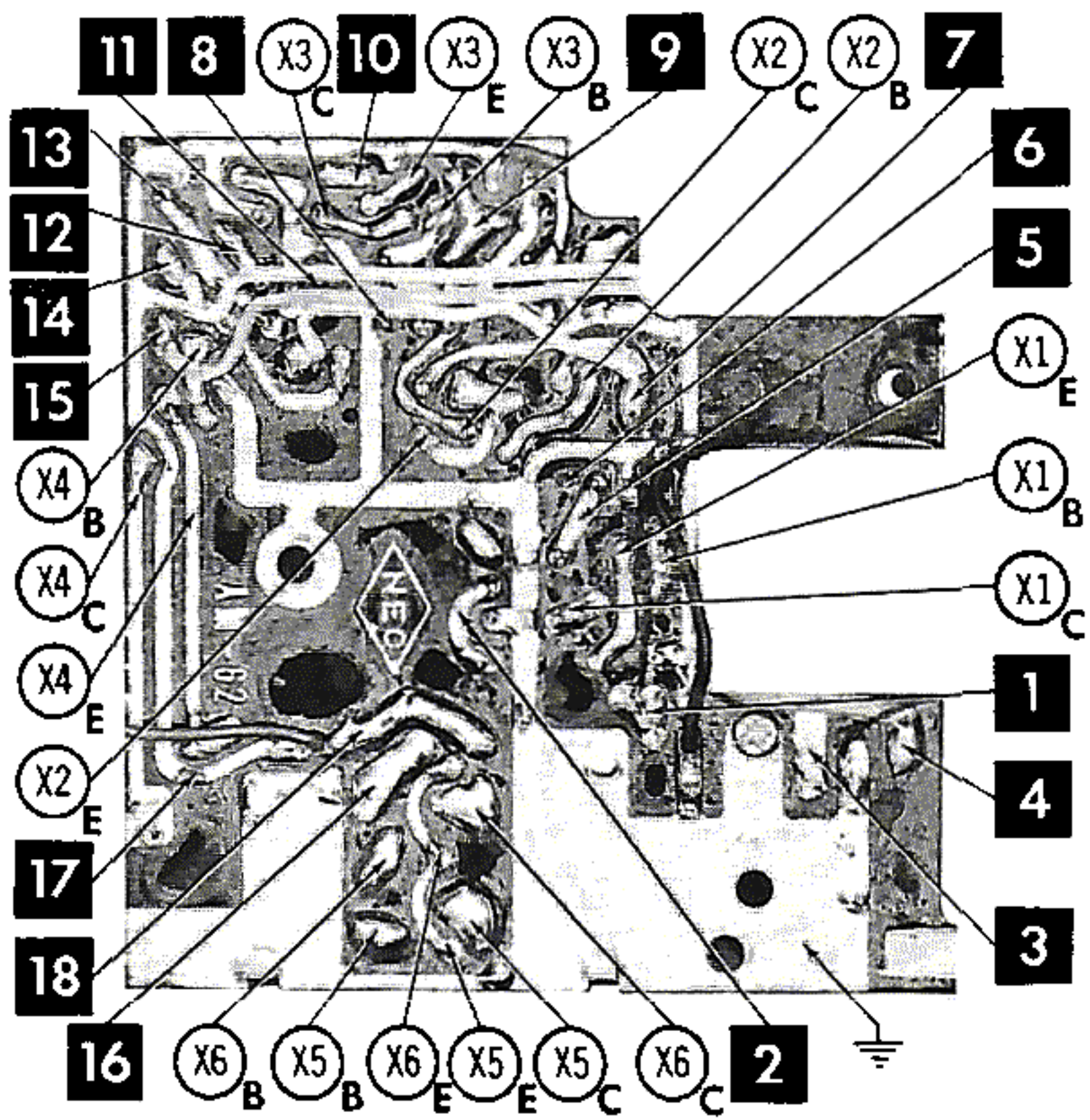
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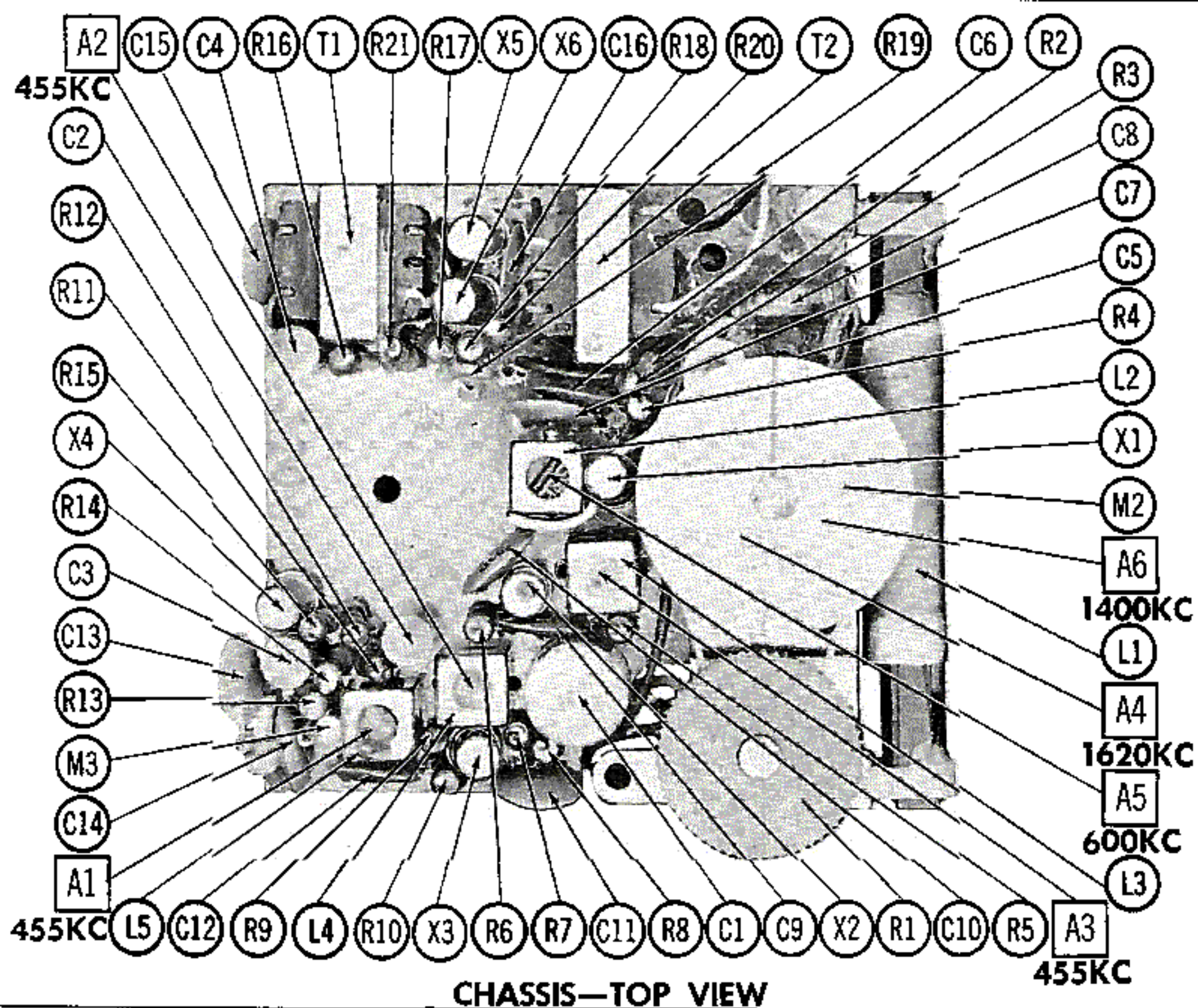
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B—BASE
E—EMITTER
C—COLLECTOR





PARTS LIST AND DESCRIPTION

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid 22AWG)	Available
	8524 (Stranded 22AWG)	in
	8570 (Stranded 26AWG)	12 Colors

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	2SA160*	Converter	DS-25			PNP
X2	2SA155	1st IF Amp.	DS-25			PNP
X3	2SA155	2nd IF Amp.	DS-25			PNP
X4	2SB112	Driver			2N406	PNP
X5	2SB112†	Output			2N408	PNP
X6	2SB112†	Output			2N408	PNP

* Alternate Type 2SA159

† Alternate Type 2SB115

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	MAGNAVOX PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.
C1A	20	10	270066-1						
B	20	10							
C	20	10							
C2	10	3	270065-3	CRE207	NLW10-3				TE-1053
C3	2	12	270062-4	CRE401	NLW2-50	MT1-1			TE-1121
C4	10	3	270065-3	CRE207	NLW10-3				TE-1053

PARTS LIST AND DESCRIPTION (CONTINUED)

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C5	5		NPO-SI 5.0	TCZ-4R7	C10V5C	CCTO-050	CNO-547	10TCC-V50
C6	.005		TTD-005	CK-502	H05D5		TA-250	TG-D50
C7	.005		TTD-005	CK-502	H05D5		TA-250	TG-D50
C8	150		SI 150	CPR-150J	L10T15	CCD-151	GP315	10TCC-T15
C9	.02		TTD-02	CK-203	H05S2		TA-120	TG-S20
C10	.02		TTD-02	CK-203	H05S2		TA-120	TG-S20
C11	.02		TTD-02	CK-203	H05S2		TA-120	TG-S20
C12	.02		TTD-02	CK-203	H05S2		TA-120	TG-S20
C13	.02		TTD-02	CK-203	H05S2		TA-120	TG-S20
C14	.02		TTD-02	CK-203	H05S2		TA-120	TG-S20
C15	.005		TTD-005	CK-502	H05D5		TA-250	TG-D50
C16	.02		TTD-02	CK-203	H05S2		TA-120	TG-S20

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA				
			MAGNAVOX PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume & Switch	10K	220168-1				

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	REMARKS			IRC PART No.	WORKMAN PART No.	REMARKS
R19	250Ω (Cold)			#230132-1					

Magnavox Part Number.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		MAGNAVOX PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	Loopstick	360873-1					
L2	Osc.	360874-1	BC-573	2060		RTC-9261	
L3	1st IF	360868-1	BC-569	2061		RTC-9262	
L4	2nd IF	360869-1	BC-570	2062		RTC-9263	
L5	3rd IF	360870-1	BC-571	2063		RTC-9264	

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
	PRI.	SEC.	MAGNAVOX PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	MAGNAVOX PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MAGNAVOX PART No.	QUAM PART No.	
SPI	1 3/4" PM 6-8Ω	580079-4		

BATTERIES

ITEM No.	VOLTAGE	MAGNAVOX PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	9		L6 (or H26)	206	M1611 (or TR-126)	

MISCELLANEOUS

ITEM No.	PART NAME	MAGNAVOX PART No.	NOTES
M2	Tuning Cap.	260169-4	2 Gang
M3	Detector (SD46)	530063-1	
	Earphone	580081-1	

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob, Tuning - Red	140565-9	Cabinet, Front - Red	140575-6
Knob, Tuning - Black	140565-8	Cabinet, Front - Black	140575-5
Knob, Volume - Red	140565-7	Cabinet, Back - Red	140575-8
Knob, Volume - Black	140565-6	Cabinet, Back - Black	140575-7