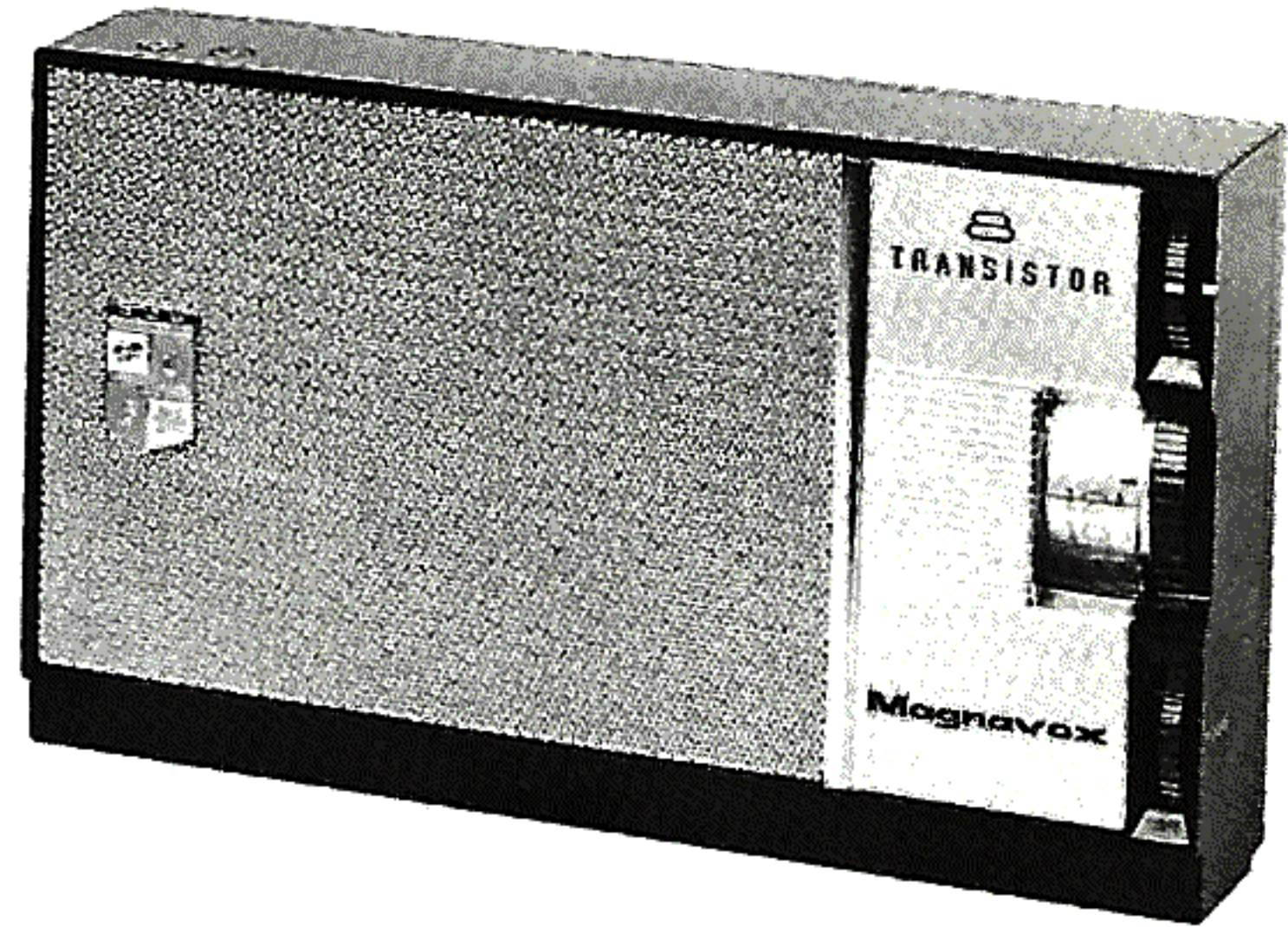




Met dank aan Jef Bos

TRADE NAME : Magnavox Model AM-85
 SUPPLIER : The Magnavox Co.,
 2191 Bueter Road, Fort Wayne 4, Indiana
 TYPE SET : 8 Transistor AM Receiver
 POWER SUPPLY : 4.5 Volts DC
 RATING : 12MA @ 4.5 VDC (No Signal, Min. Volume)
 20MA @ 4.5 VDC (Signal, Normal Volume)
 TUNING RANGE : BROADCAST 535 - 1605KC

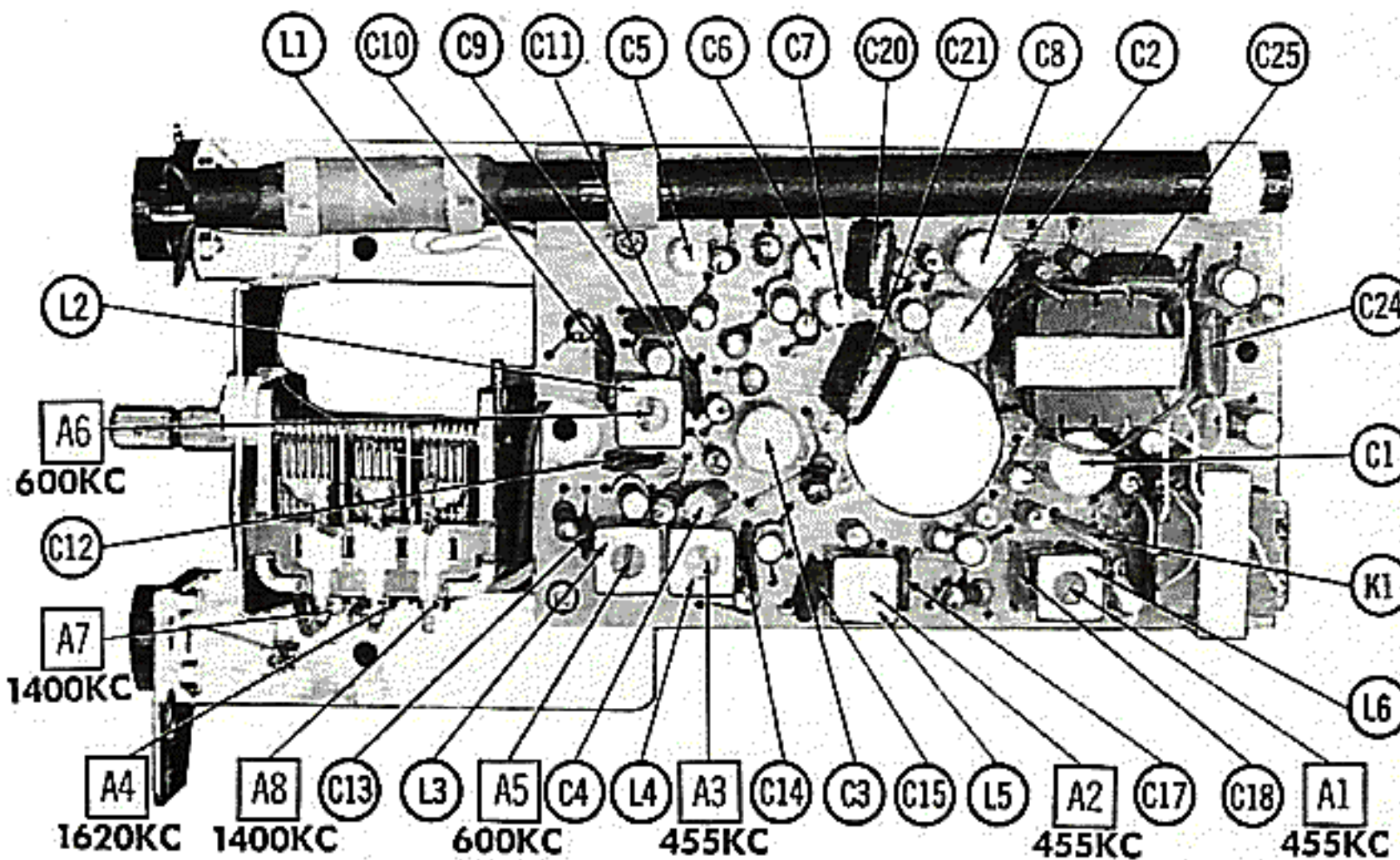
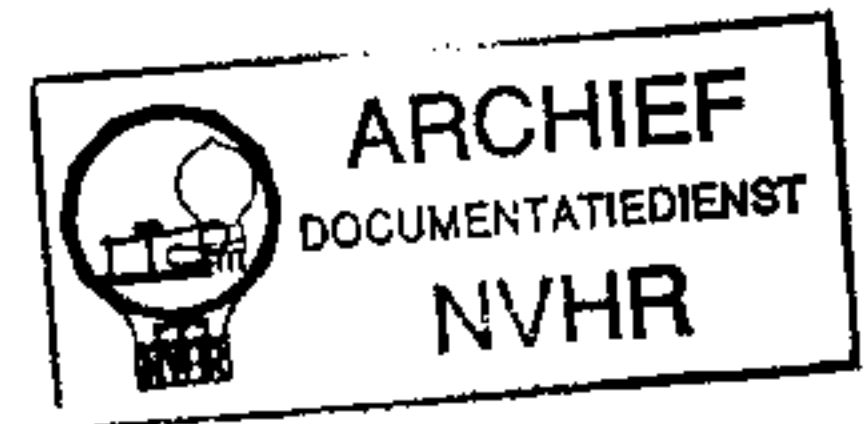


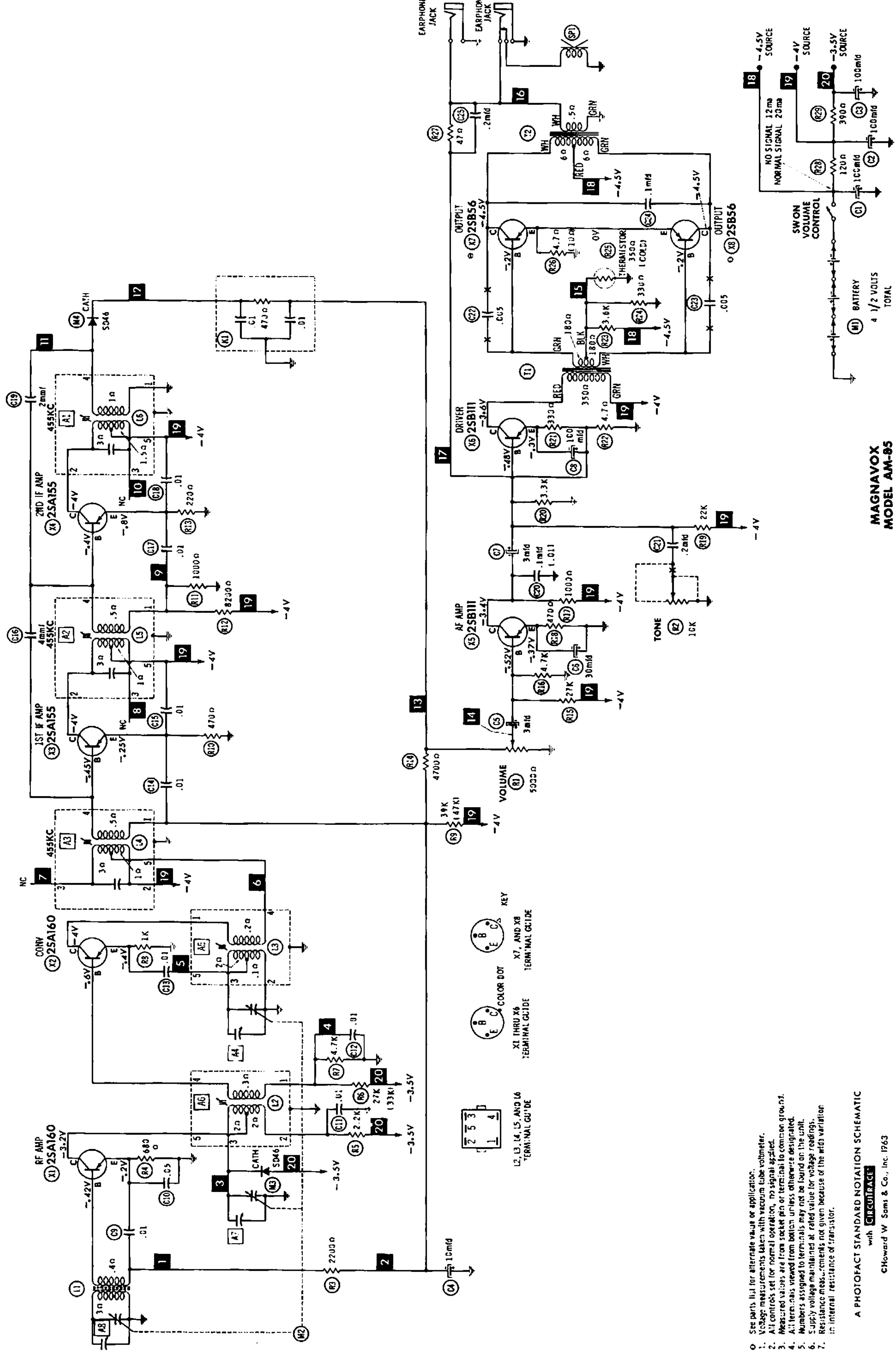
ALIGNMENT INSTRUCTIONS

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 thru A8..... GENERAL CEMENT #5000, 5066, 8290
 WALSCO #2525

	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC (400% 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, A6	Rock tuning gang and adjust for maximum. Repeat steps 2 and 3.
4.	1400KC	"	"	A7, A8	Adjust for maximum.

Ned. Ver. v. Historie v/d Ra





**MAGNAVOX
MODEL AM-85**

A PHOTOFAC T STANDARD NOTATION SCHEMATIC
with **CIRCUTRACE**
©Howard W. Sams & Co., Inc. 1963

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

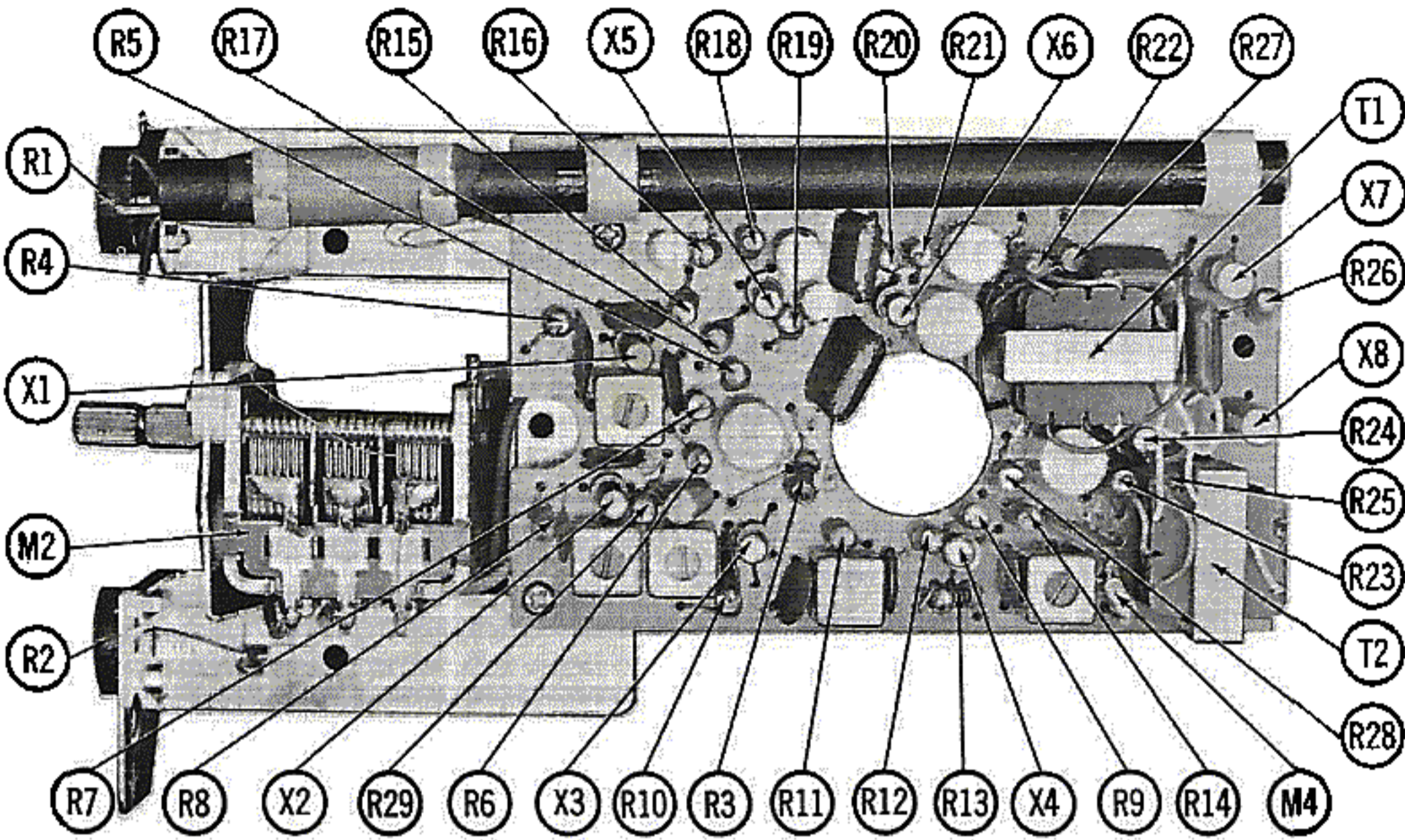
L2, L3, L4, L5 AND L6
TERMINAL GUIDE

X1 THRU X6
TERMINAL GUIDE

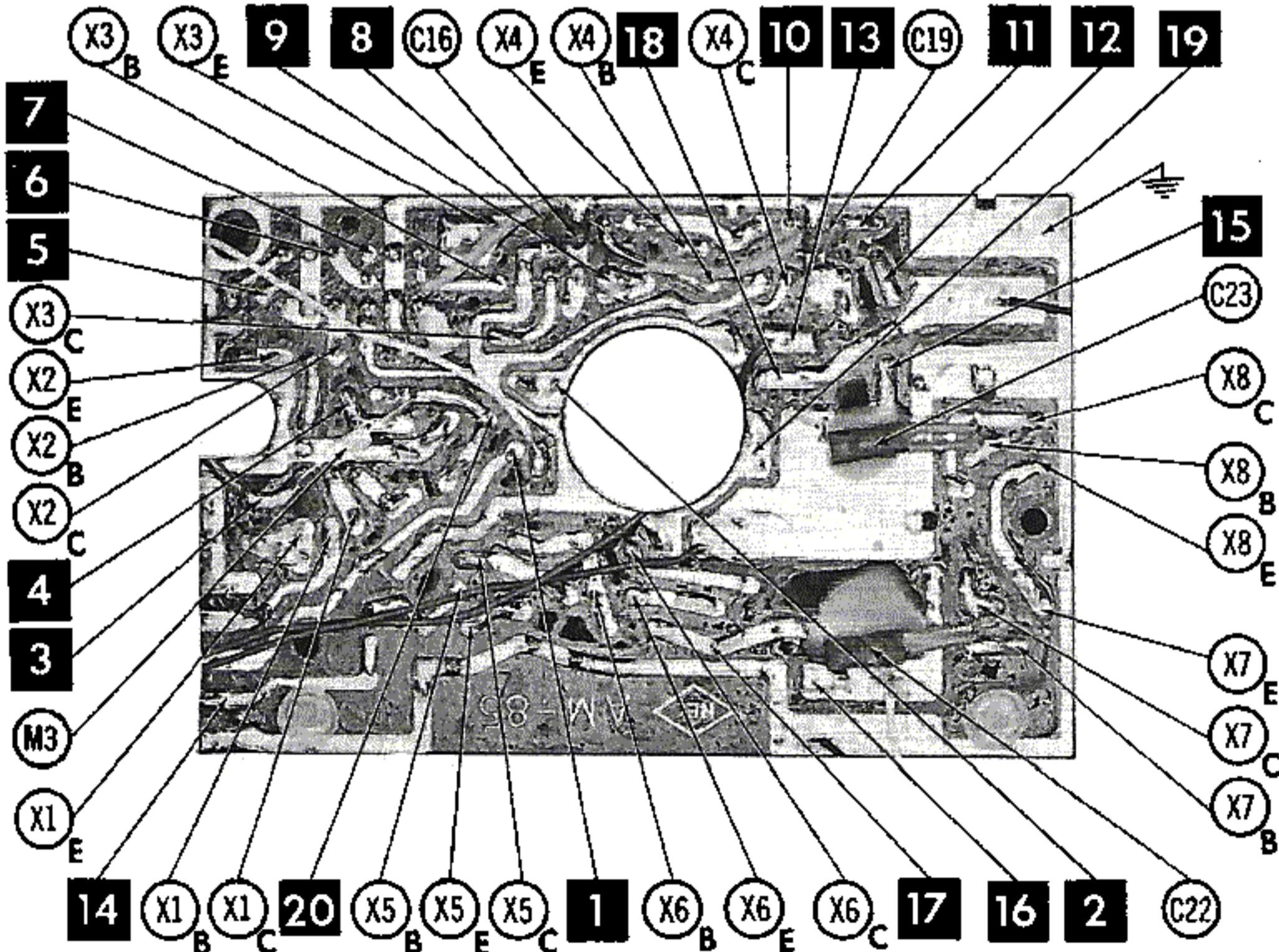
X7, X8
TERMINAL GUIDE

KEY

COLOR DOT



CHASSIS - TOP VIEW



E-EMITTER B-BASE C-COLLECTOR

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	2SA160	RF Amp.	DS-25	GE-1	2N412	PNP
X2	2SA160	Conv.	DS-25	GE-1	2N412	PNP
X3	2SA155	1st IF Amp.	DS-25	GE-1	2N410	PNP
X4	2SA155	2nd IF Amp.	DS-25	GE-1	2N410	PNP
X5	2SB111	AF Amp.	DS-26	GE-2	2N406	PNP
X6	2SB111	Driver	DS-26	GE-2	2N406	PNP
X7	2SB56*	Output	DS-26	GE-2	2N408	PNP
X8	2SB56*	Output	DS-26	GE-2	2N408	PNP

* Alternate Type 2SB163

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.
C1	100	6	270064-4	BCD6100	ECPB117	MT1-18	PET1400	MLV100-6	VL-1100
C2	100	6	270064-4	BCD6100	ECPB117	MT1-18	PET1400	MLV100-6	VL-1100
C3	100	6	270064-4	BCD6100	ECPB117	MT1-18	PET1400	MLV100-6	VL-1100
C4	10	3	270065-3	BCD3010	ECPB408	MT1-5	PET1340	MLV10-3	VL-1038
C5	3	6	270084-2	BCD6003	ECPB403	MT1-3	TT6X3	BL1030	VL-1082
C6	30	3	270065-1	BCD3025	ECPB412	MT1-13	PET130	MLV30-6	VL-1043
C7	3	6	270084-2	BCD6003	ECPB403	MT1-3	TT6X3	BL1030	VL-1082
C8	100	3	270065-2	BCD3100	ECPB17	MT1-18	PET1400	MLV100-3	VL-1051

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.
C9	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C10	.05		TTD-05	CK-503	H05S5		TA-150	TG-S50
C11	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C12	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C13	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C14	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C15	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C16	4		NPO-SI 4.7	TCZ-4R7	C10V47C	CCTO-4R7	CNO-547	10TCC-V47
C17	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C18	.01		TTD-01	CK-103	H05S1		TA-110	TG-S10
C19	2		NPO-SI 2.0	TCZ-2R2	C10V22C	CCTO-2R2	CNO-522	10TCC-V22
C20	.1mfd	(.01) †	TTD-1	CK-104	H05P1		TA-010	TG-P10
C21	.2mfd	#250440-6						
C22	.005	Note 1	TTD-005	CK-502	H05D5		TA-250	TG-D50
C23	.005	Note 1	TTD-005	CK-502	H05D5		TA-250	TG-D50
C24	.1mfd		TTD-1	CK-104	H05P1		TA-010	TG-P10
C25	.2mfd							

Note 1. Not used in some versions.

† Alternate Value.

Magnavox Part Number.

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			MAGNAVOX PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume & Switch	5000Ω	220180-6				
R2	Tone	10K	220180-7	B16-116			

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
R25	350Ω (Cold)			#230132-1					

Magnavox Part Number.

DESCRIPTION

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	360873-4	BC-419				
L2	RF Coil	360930-4					
L3	Osc.	360930-5	BC-577				
L4	1st IF	360934-8	BC-574	2066	RTC-9266		
L5	2nd IF	360934-9	BC-575	2067	RTC-9267		
L6	3rd IF	360934-10	BC-576	2068	RTC-9268		

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
			MAGNAVOX PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	PRI. 1.2	SEC. 1	320297-5					

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.	
T2	125Ω CT	6-8Ω	320298-5					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MAGNAVOX PART No.	QUAM PART No.	
SP1	3½" PM 6-8Ω	580079-5		

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	MAGNAVOX PART No.	REPLACEMENT DATA
K1	Diode RF Filter	.01mfd, .01mfd, 470Ω	250439-1	

BATTERIES

ITEM No.	VOLTAGE	MAGNAVOX PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	4.5		1 (or AL-1)	635 (or E93)	M-14F (or MN-1400)	3 Req.

MISCELLANEOUS

ITEM No.	PART NAME	MAGNAVOX PART No.	NOTES
M2	Tuning Cap	260169-5	3 Gang
M3	Overload (SD46)	530083-1	
M4	Detector (SD46)	530083-1	

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob, Tuning	140565-10	Cabinet, Front	140575-9
Knob, Volume	140565-11	Cabinet, Back	140575-10
Knob, Tone	140565-12		

WIRING DATA

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