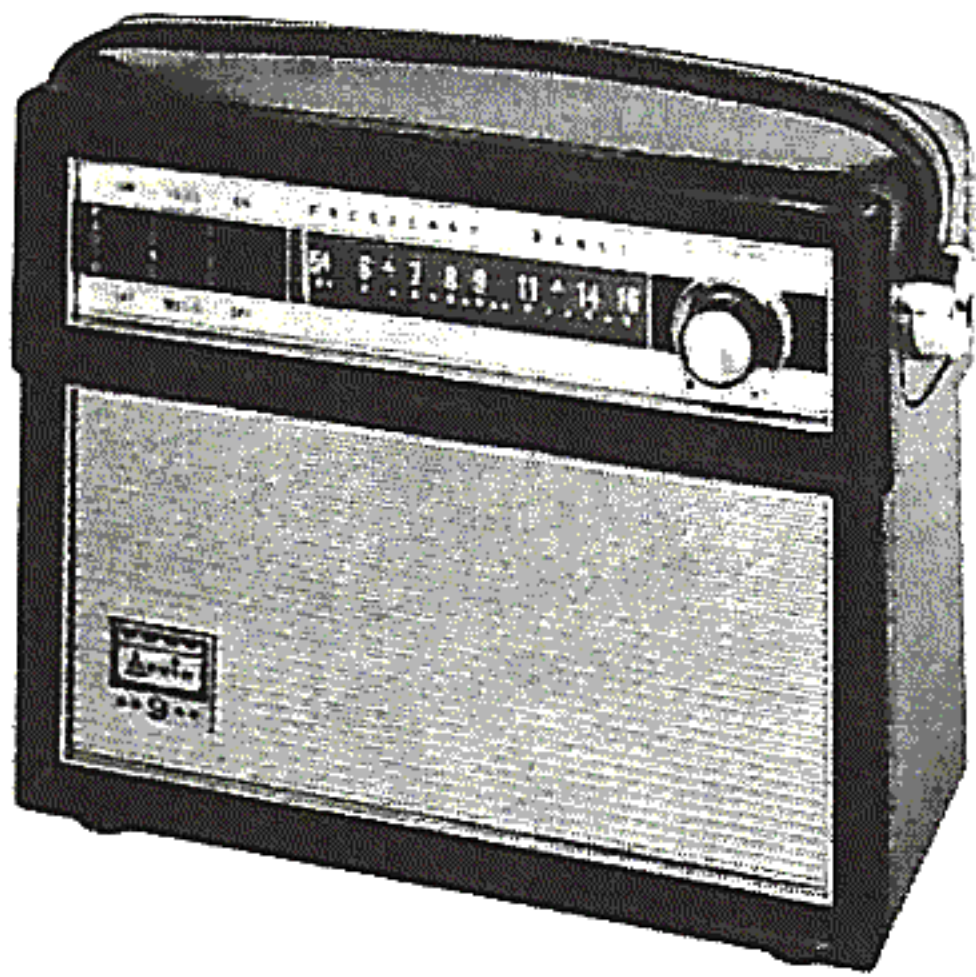




PHOTOFACT[®] with

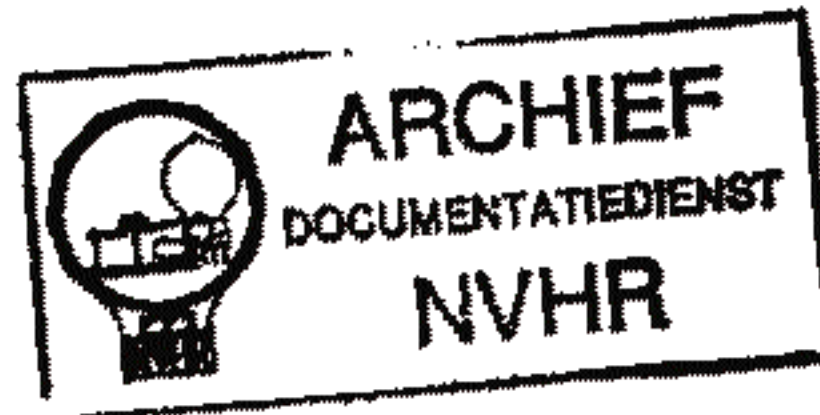
CIRCUTRACE[®]



Met dank aan Jef Bos

TRADE NAME : Arvin Model 63R58 (Ch. 1.75101)
 SUPPLIER : Arvin Industries, Inc.
 Columbus, Indiana
 TYPE SET : 9 Transistor AM Receiver
 POWER SUPPLY : 9 Volts DC
 RATING : 12MA @ 9VDC (No Signal, Min. Volume)
 35MA @ 9VDC (Signal, Normal Volume)
 TUNING RANGE : BROADCAST 535 - 1640KC

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.

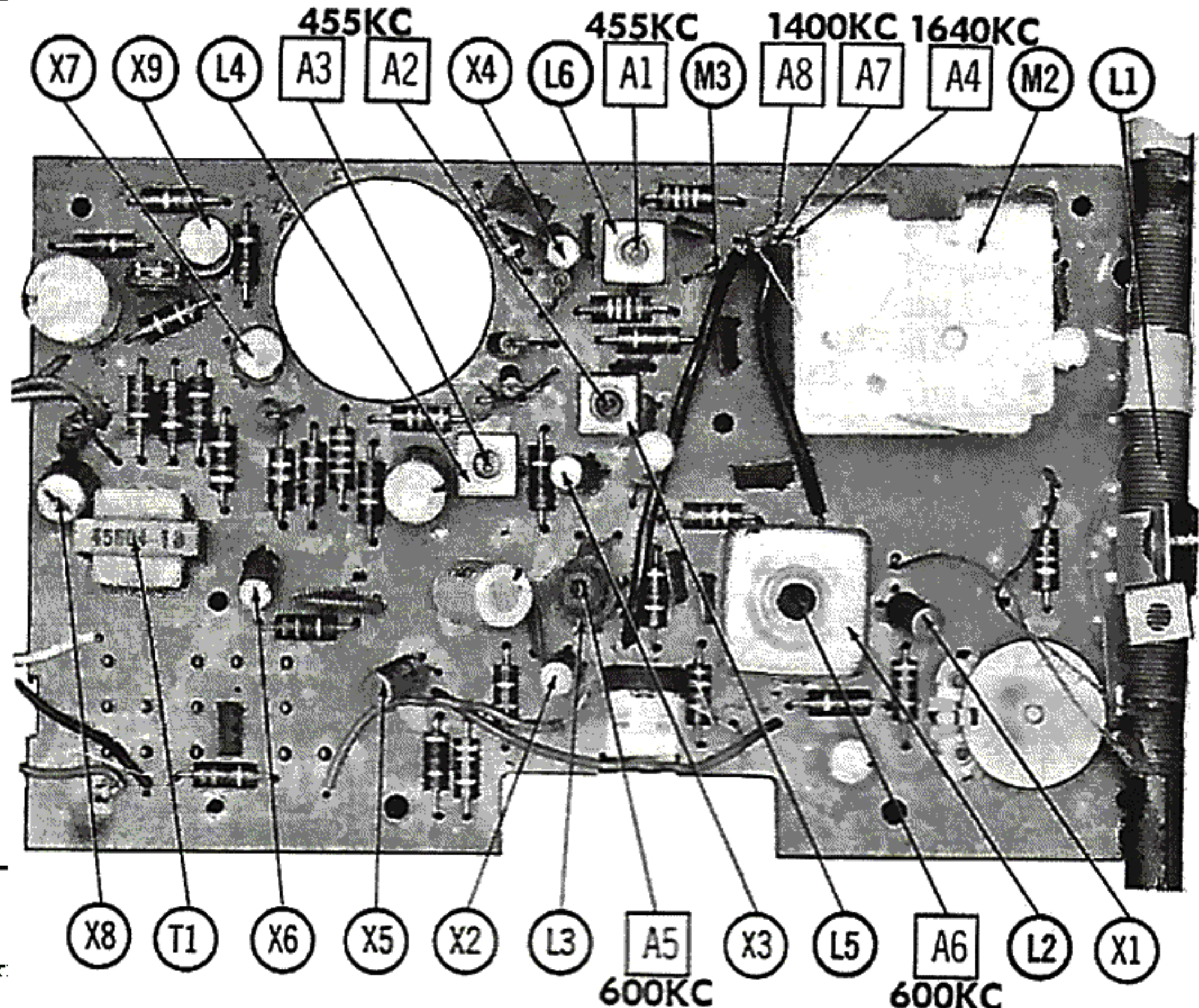
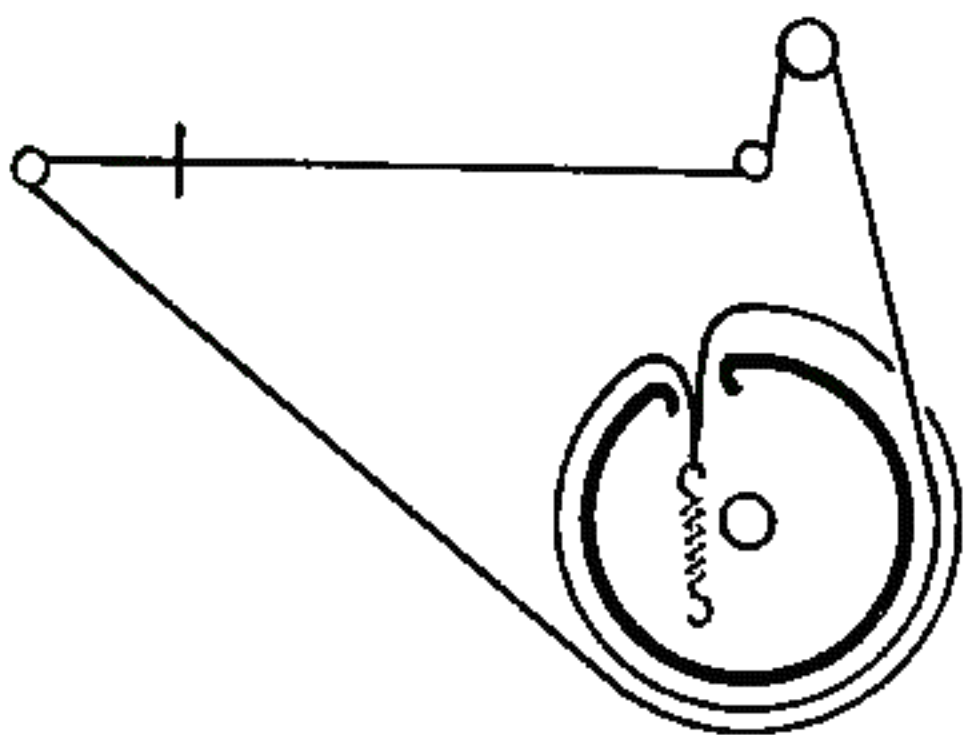
Adjust output of generator to radiate only enough signal into receiver to obtain a suitable indication.

Suggested Alignment Tools:

A1, A2, A3.....GENERAL CEMENT #9440.....WALSCO #2501
 A4, A7, A8.....GENERAL CEMENT #5000, 5066, 8290.....WALSCO #2512, 2525, 2528
 A5, A6.....GENERAL CEMENT #8282, 9302.....WALSCO #2511, 2526, 2543

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. 1640KC	"	"	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.

DIAL CORD STRINGING



HOWARD W. S

TRANSISTORS

ITEM No.	ARVIN PART No.	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	95101	RF Amp.	DS-25	GE-1		PNP
X2	95101	Converter	DS-25	GE-1		PNP
X3	95103	1st IF Amp.	DS-25	GE-1		PNP
X4	95102	2nd IF Amp.	DS-25	GE-1		PNP
X5	95201	AF Amp.	DS-26	GE-2		PNP
X6	95201	Driver	DS-26	GE-2		PNP
X7	95204	Output	DS-26	GE-2		PNP
X8	95204	Output	DS-26	GE-2		PNP
X9	95213	Bias Reg.			1N2326	PNP

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	ARVIN PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	200	10	49385-8	BCD20020	ECPB421	MT1-23	MLV200-10	TT15X200	TE-1119,6
C2	80	12	47668-4 ①	BCD12075	ECPB416	MT1-19	BL1840	TT12X100	VL-1140
C3	10	10	49385-6	BCD10010	ECPB408	MT1-5	MLV10-10	PET1340	VL-1127
C4	10	10	49385-6	BCD10010	ECPB408	MT1-5	MLV10-10	PET1340	VL-1127
C5	10	10	49385-6	BCD10010	ECPB408	MT1-5	MLV10-10	PET1340	VL-1127
C6	80	12	47668-4 ①	BCD12075	ECPB416	MT1-19	BL1840	TT12X100	VL-1140

① Some versions use 10 Volt unit in this application. (Part #49385-5)

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.
C10	.02		TTD-02	CK-203	H3		TA-120	TG-S20
C11	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C12	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C13	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C14	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C15	.02		TTD-02	CK-203	H3		TA-120	TG-S20
C16	.02		TTD-02	CK-203	H3		TA-120	TG-S20
C17	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C18	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C19	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C20	.02		TTD-02	CK-203	H3		TA-120	TG-S20
C21	.02		TTD-02	CK-203	H3		TA-120	TG-S20
C22	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C23	.2mfd			UK20-204	HCC25224Z			HY-325

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			ARVIN PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume	5000Ω	97300-1				
R2	Bias	330Ω	97247-1				

DESCRIPTION

COILS (RT II)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		ARVIN PART No.	MERIT PART No.	AMTIC PART No.	STANCOR PART No.	
L1	Loopback	40801-12				
L2	1st IF	47050-5				
L3	One	45703-20				
L4	1st IF	40300-10				
L5	2nd IF	40300-21				
L6	3rd IF	40300-31				

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
			ARVIN PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SECI						
T1	3.3	1	45604-13					
		SEC.2						
		1						

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		ARVIN PART No.	QUAM PART No.	
SP1	3 1/2" PM 18-20Ω	46523-4	3A05Z20	

BATTERIES

ITEM No.	VOLTAGE	ARVIN PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	9V		130 (or AL-1)	635 (or E93)	M-14R (or MN1400)	6 Required

MISCELLANEOUS

ITEM No.	PART NAME	ARVIN PART No.	NOTES
M2	Tuning Cap.	98797	
M3	Diode (Det.)	48287	
M4	Tone Switch	98802-2	
M5	Light Switch	98803-1	
M6	Power Switch	98802-1	

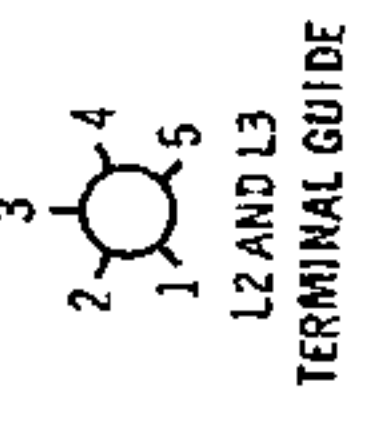
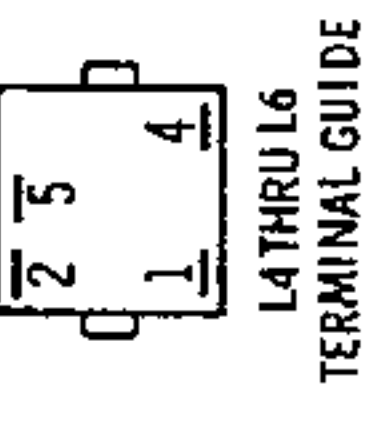
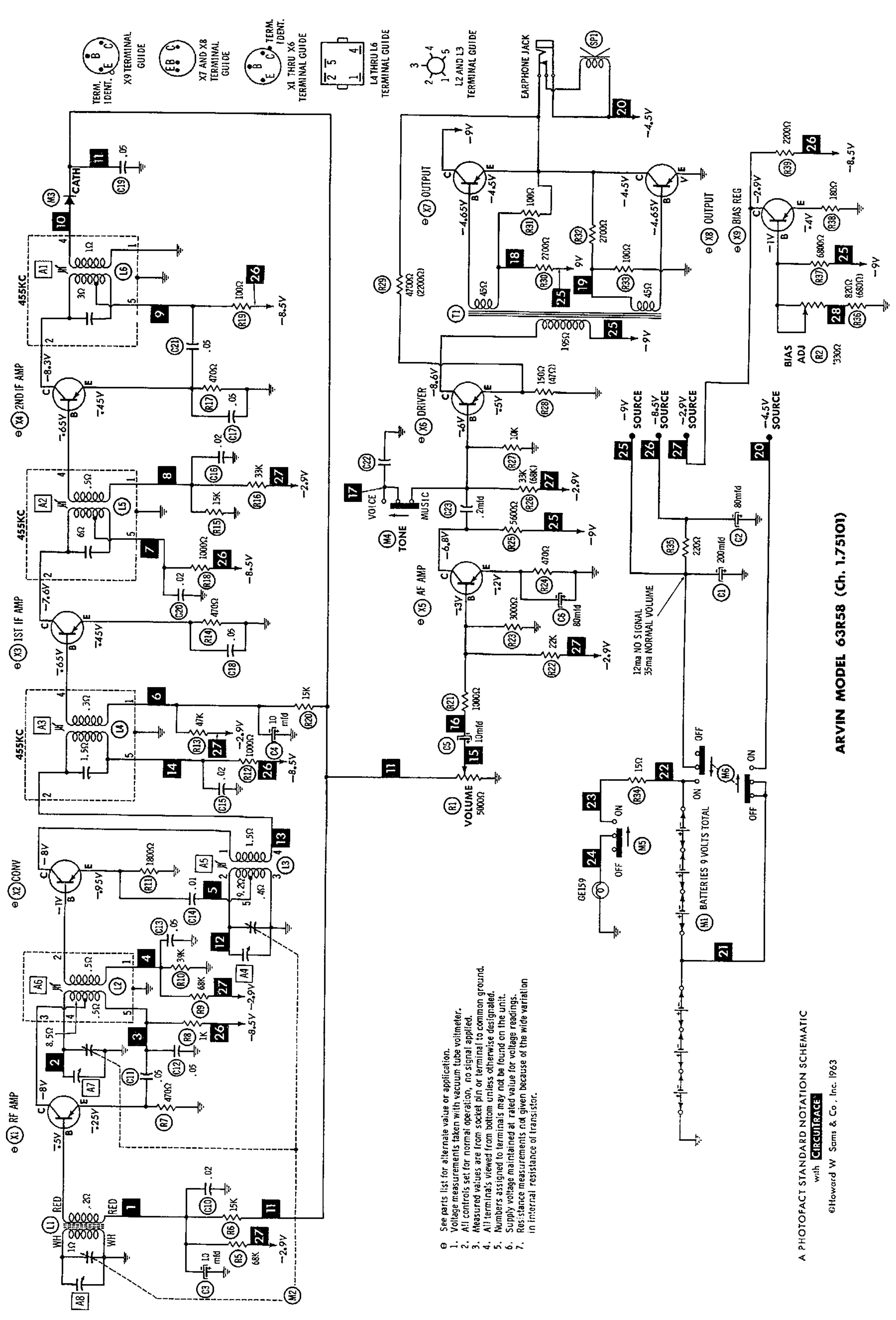
CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob - Tuning	98774-1	Cabinet Front	99353
Knob - Volume	98773-29	Cabinet, Leather	98674-8

WIRING DATA

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



- 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.

