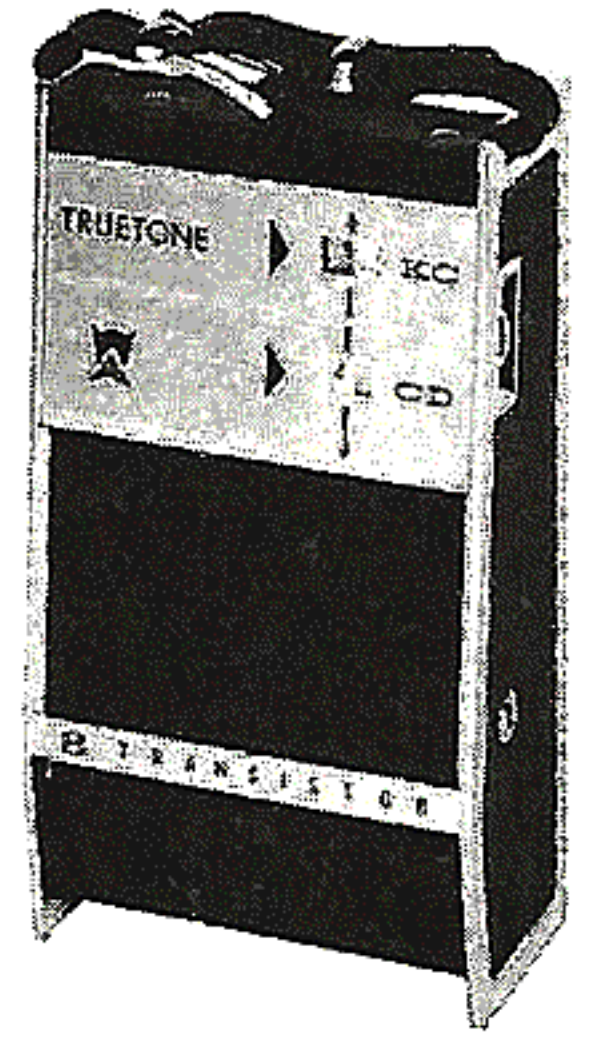




# PHOTOFACT<sup>®</sup> with

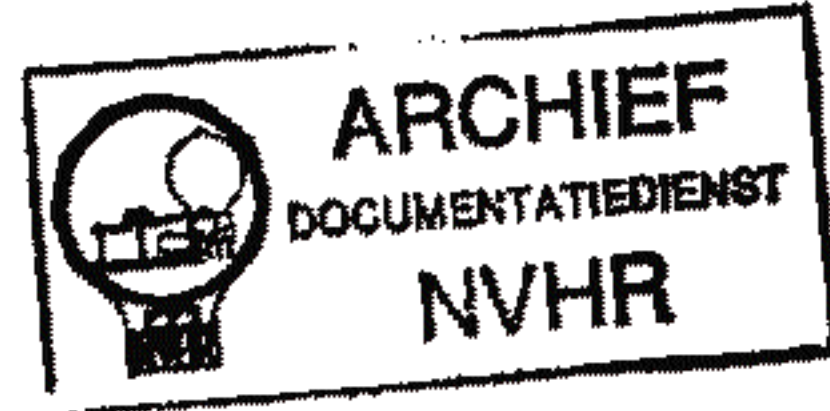
# CIRCUITRACE<sup>®</sup>

Met dank aan Jef Bos



TRADE NAME : Truetone Model DC3338  
 SUPPLIER : Western Auto Supply Co.  
 2107 Grand Ave., Kansas City 8, Mo.  
 TYPE SET : 8 Transistor AM Receiver  
 POWER SUPPLY : 6 Volts DC  
 RATING : 10MA @ 6VDC (No Signal, Min. Volume)  
 20MA @ 6VDC (Signal, Normal Volume)  
 TUNING RANGE : BROADCAST 535 - 1670KC

Ned. Ver. v. Historie v/d Radio



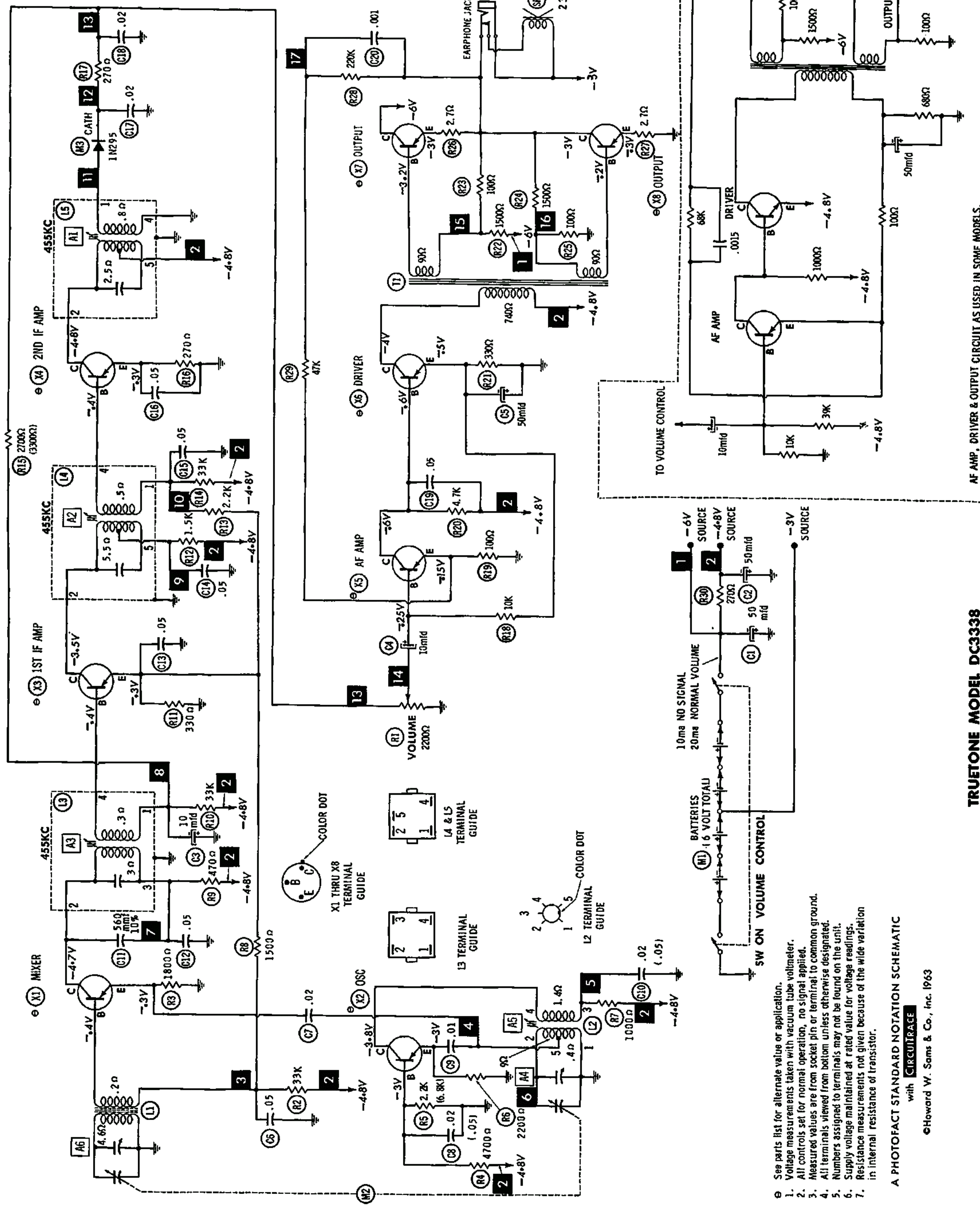
## ALIGNMENT INSTRUCTIONS

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, A6..... GENERAL CEMENT #8290, 5000, 5066..... WALSCO #2528, 2525, 2512  
 A5..... GENERAL CEMENT #8282, 8606..... WALSCO #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.	1670KC	"	"	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.

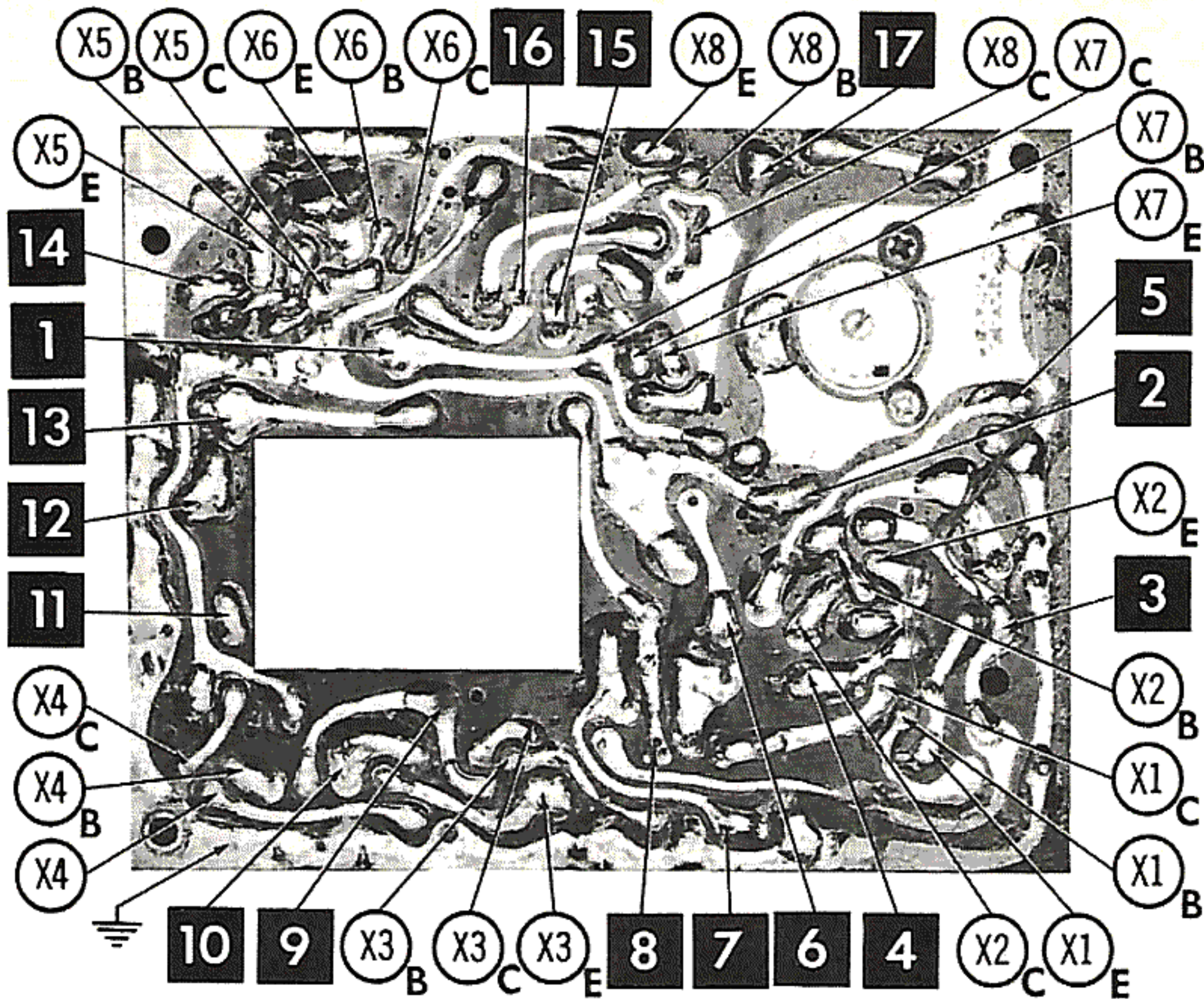
**HOWARD W. SAMS & CO., INC.** Indianapolis 6, Indiana



- 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 PHOTOFAC STANDARD NOTATION SCHEMATIC with CIRCUITACE

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A Howard W. Sams **CIRCUITRACE** Photo

## PARTS LIST AND DESCRIPTION

### TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES	TRUE TONE PART No.
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.		
X1		Mixer	DS-25	GE-1		PNP	95101
X2		Oscillator	DS-25	GE-1		PNP	95102
X3		1st IF Amplifier	DS-25	GE-1		PNP	95103
X4		2nd IF Amplifier	DS-25	GE-1		PNP	95102
X5		AF Amplifier	DS-25	GE-1	2N406	PNP	95201
X6		Driver	DS-44	GE-8	3N649	NPN	95202
X7		Output	DS-26	GE-2	2N408	PNP	95203
X8		Output	DS-26	GE-2	2N408	PNP	95203

### ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	TRUE TONE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	50	10	49385-4	BCD10050	NLW50-10	MT1-16	MLV50-10		TE-1119
C2	50	10	49385-4	BCD10050	NLW50-10	MT1-16	MLV50-10		TE-1119
C3	10	10	49385-6	BCD10010	ECSP10-15	MT1-5	MLV10-10	PE T1340	VL-1127
C4	10	10	49385-6	BCD10010	ECSP10-15	MT1-5	MLV10-10	PE T1340	VL-1127
C5	50	10	49385-4	BCD10050	NLW50-10	MT1-16	MLV50-10		TE-1119

### 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.
C6	.05		TTD-05	CK-503	H5		TA-150	TG-850
C7	.02		TTD-02	CK-203	H3		TA-120	TG-S20
C8	.02	(.05) †	TTD-02	CK-203	H3		TA-120	TG-S20
C9	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C10	.02	(.05) †	TTD-02	CK-203	H3		TA-120	TG-S20
C11	560	300V 10%	1489-00056		5R5 T56	CM-20D-561	MCE-247	MS-356
C12	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C13	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C14	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C15	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C16	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C17	.02		TTD-02	CK-203	H3		TA-120	TG-S20
C18	.02		TTD-02	CK-203	H3		TA-120	TG-S20
C19	.05		TTD-05	CK-503	H5		TA-150	TG-S50
C20	.001			DM-102				

† Alternate Value

# PARTS LIST AND DESCRIPTION (CONTINUED)

## CONTROLS

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

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA				
			TRUETONE PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume & Switch	2200Ω	49250-3				

## COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		TRUETONE PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	Loopstick	44511-18					
L2	Csc.	45783-23					
L3	1st IF	49388-11					
L4	2nd IF	49388-21					
L5	3rd IF	49388-31					

## TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
	PRI.	SECI	TRUETONE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	4	1	45604-8					
		SEC.2						
		1						

## SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		TRUETONE PART No.	QUAM PART No.	
SP1	2 3/4" PM 45Ω	49741-3	27A06Z45	

## BATTERIES

ITEM No.	VOLTAGE	TRUETONE PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	6		930 (or AL-9, Hg-9)	1015 (or E91, E9)	M-15R (or MNI500, ZM-9)	4 Required

## MISCELLANEOUS

ITEM No.	PART NAME	TRUETONE PART No.	NOTES
M2	Tuning Cap.	49781	
M3	Detector (1N295)	48287	

## CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob - Indicator	97184	Cabinet	97195-9
Knob - Volume	49797	Earphone	47941-2

## WIRING DATA

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

