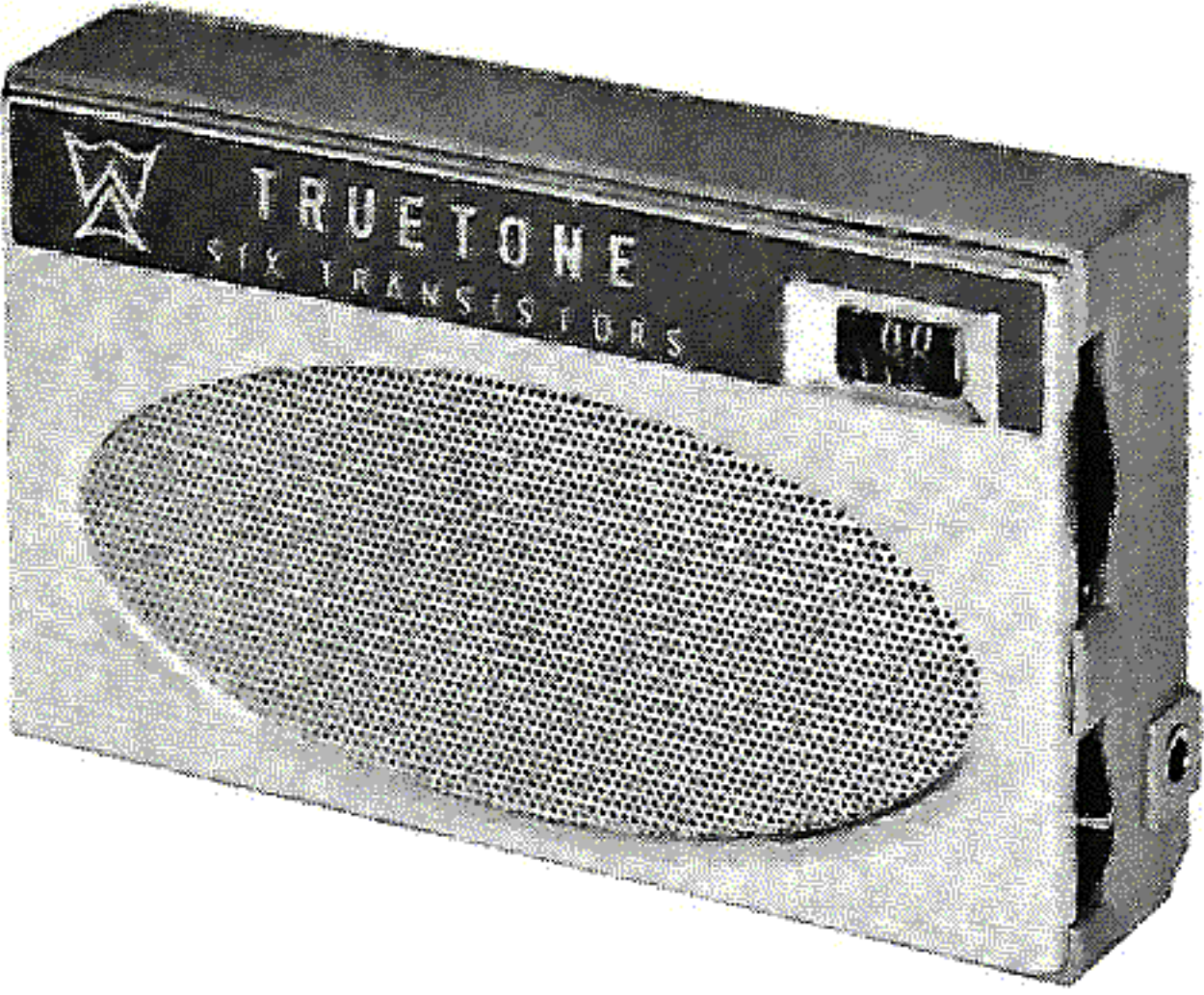




PHOTOFACT[®] with

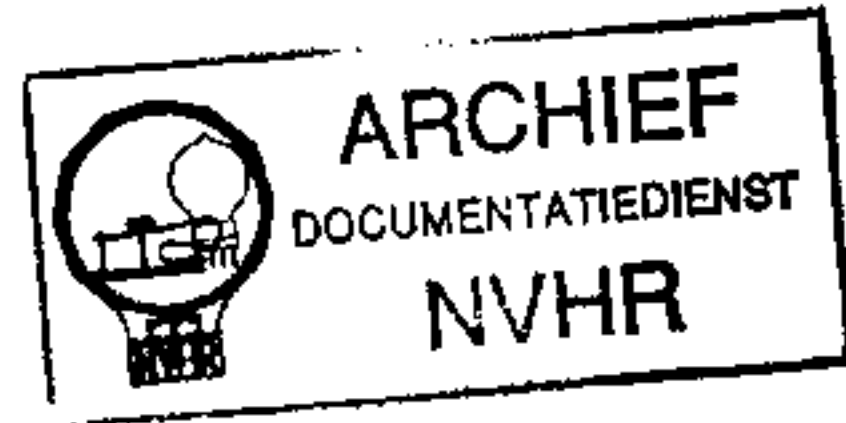
CIRCUITRACE[®]

Met dank aan Jef Bos



TRADE NAME: Truetone Model DC3306
 SUPPLIER: Western Auto Supply Co.,
 2107 Grand Ave., Kansas City 8, Mo.
 TYPE SET: 6 Transistor AM Receiver
 POWER SUPPLY: 9 Volts DC
 RATING: 7MA @ 9 VDC (No Signal, Min. Volume)
 12MA @ 9 VDC (Signal, Normal Volume)
 TUNING RANGE: BROADCAST 535 - 1620KC

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 #8607, 9291, 9294...WALSCO #2526, 2543
 A5, A6.....GENERAL CEMENT #5000, 5066, 8290...WALSCO #2512, 2525, 2528

	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.	530KC	530KC	"	A4	Adjust for maximum.
3.	1650KC	Tuning gang fully open.	"	A5	Adjust for maximum.
4.	1400KC	Tune to signal.	"	A6	Adjust for maximum.

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

PARTS LIST AND DESCRIPTION

WIRING DATA

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

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	2SA73	Converter	DS-25	GE-1		PNP
X2	2SA49	1st IF Amplifier	DS-25	GE-1		PNP
X3	2SA53	2nd IF Amplifier	DS-25	GE-1		PNP
X4	2SB54	Driver		GE-2	2N406	PNP
X5	2SB56	Output			2N408	PNP
X6	2SB56	Output			2N408	PNP

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS			NOTES
			MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.	
X7		1N60				Detector

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		TRUETONE PART No.	REPLACEMENT DATA					
	CAP.	VOLT.		AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	10	3		PTT6	NLW10-6	MT1-5	MLV10-3	TT3X10	TE-1053
C2	10	3		PTT6	NLW10-6	MT1-5	MLV10-3	TT3X10	TE-1053
C3	20	3		PTT8	NLW20-6	MT1-13	MLV25-3	TT15X20	TE-1025
C4	30	10		PTT43	NLW30-6	MT1-14	MLV35-15	TT15X30	TE-1158

FIXED CAPACITORS

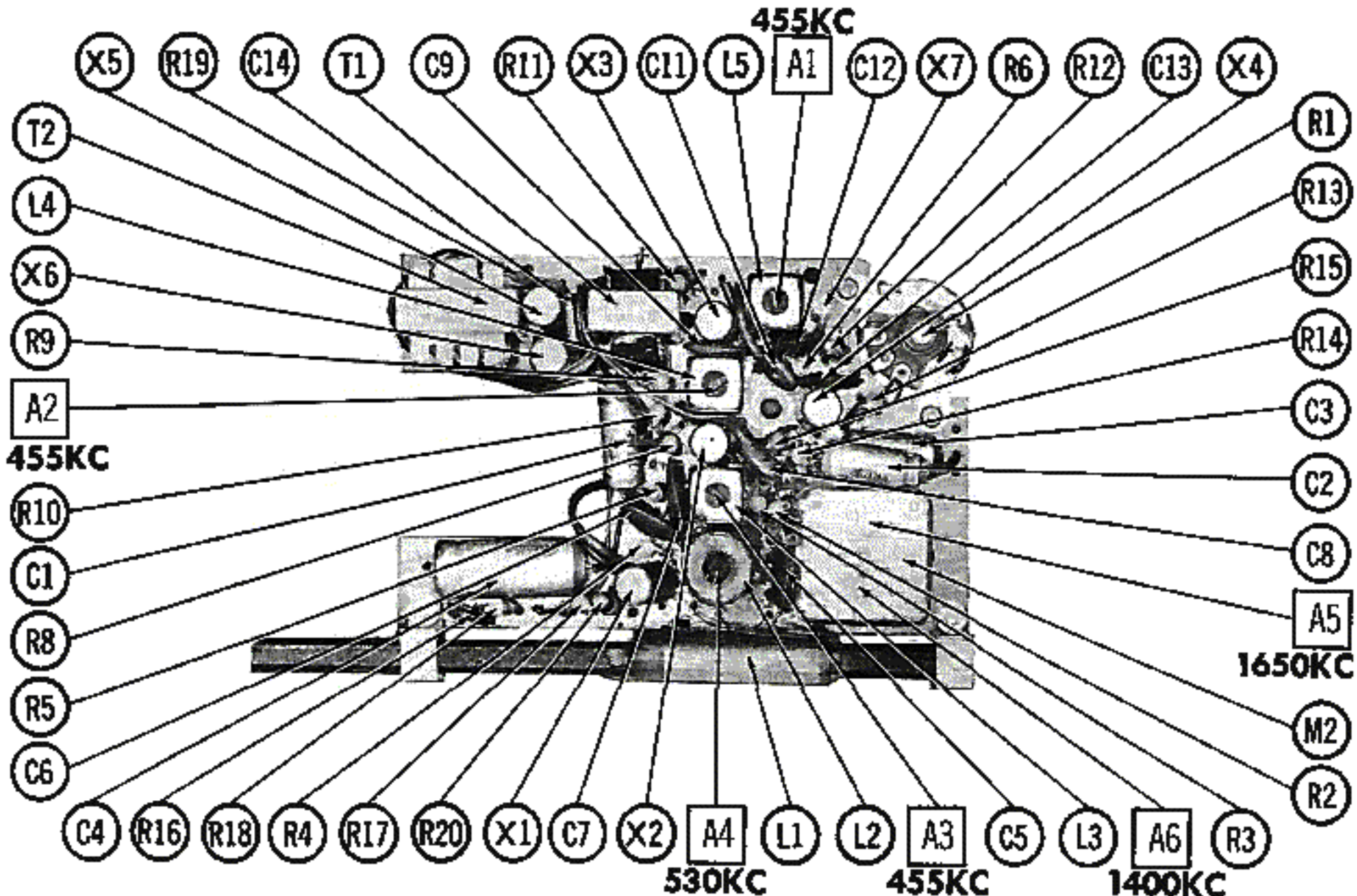
ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C5	.005		TTD-005	CK-502	H1		TA-250	TG-D50
C6	.005		TTD-005	CK-502	H1		TA-250	TG-D50
C7	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C8	3 +.25mmf		DI-3.3	DD-3R3	L10V33	CCTO-3R3	GP533	10TS-V33
C9	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C10	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C11	2 +.25mmf		NPO-DI 2.2	DTZ-2R2	C10V2C	CCTO-2R2	CNO-522	10TCC-V22
C12	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C13	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C14	.02		TTD-02	CK-203	H3		TA-120	TG-S20

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			TRUETONE PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume & Switch	5000Ω	40574	B16-214			

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTION (CONTINUED)

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		TRUE TONE PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	Loopstick	20746					
L2	Osc.	20748					
L3	1st IF	20416	BC-569	2061	RTC-9262		
L4	2nd IF	20749	BC-570	2062	RTC-9263		
L5	3rd IF	20750	BC-571	2063	RTC-9264		

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
			TRUE TONE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	1	1	20678					

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
			TRUE TONE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	800Ω CT	6-8Ω	20742					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		TRUE TONE PART No.	QUAM PART No.	
SP1	2 1/4" PM 6-8Ω	50212	22A06Z8	

BATTERIES

ITEM No.	VOLTAGE	TRUE TONE PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	9		2U6 (or H146)	216 (or E146)	M-1604 (or MN-1604, TR-146)	

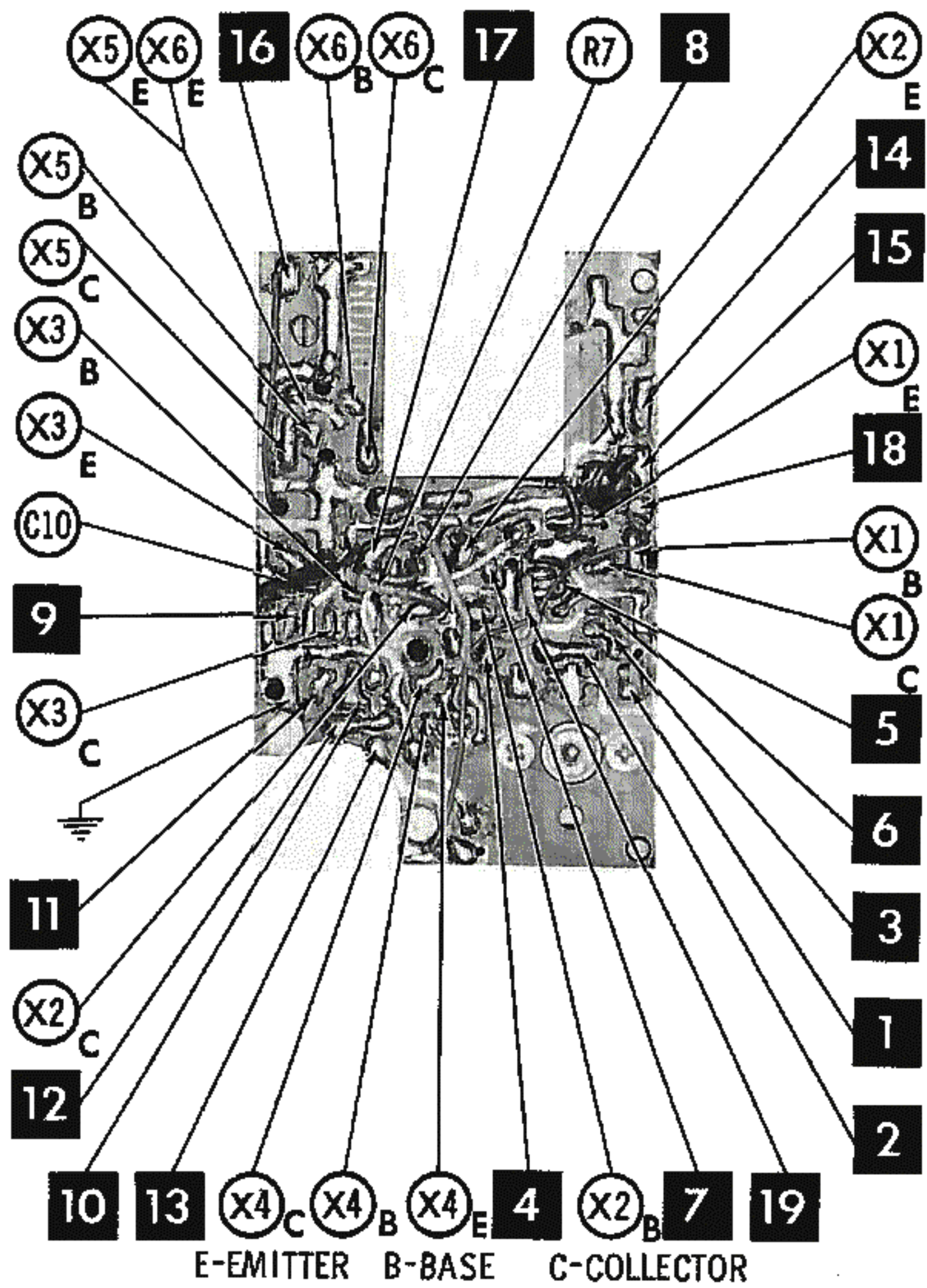
MISCELLANEOUS

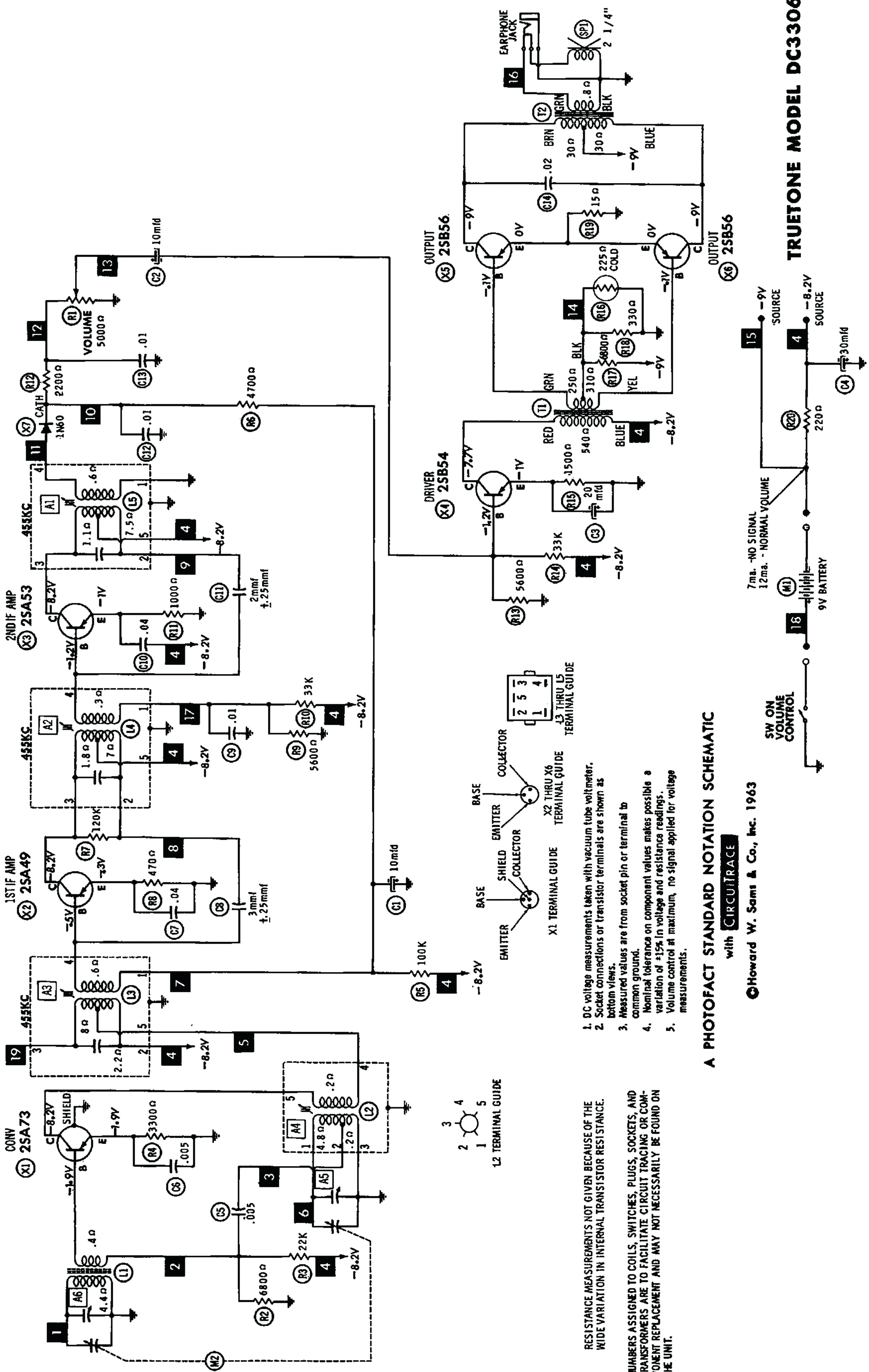
ITEM No.	PART NAME	TRUE TONE PART No.	NOTES
M2	Tuning Cap.	30459	

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob - Tuning	81463	Cabinet Front	94348
Knob - Volume	81464	Cabinet Rear	93710



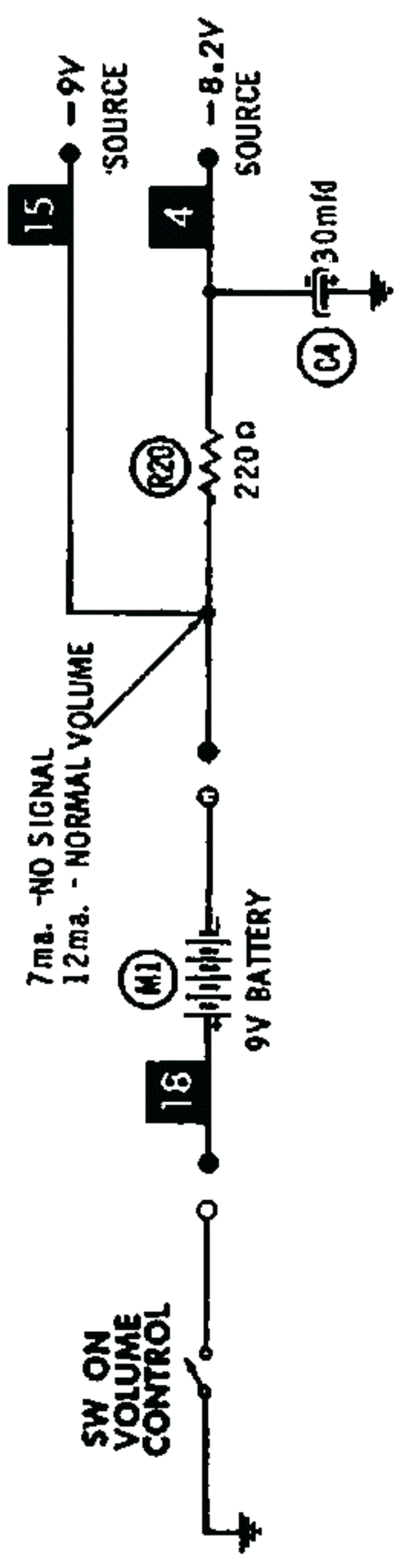


1. DC voltage measurements taken with vacuum tube volt meter.
2. Socket connections or transistor terminals are shown as bottom views.
3. Measured values are from socket pin or terminal to common ground.
4. Nominal tolerance on component values makes possible a variation of $\pm 15\%$ in voltage and resistance readings.
5. Volume control at maximum, no signal applied for voltage measurements.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
with **CIRCUITRACE**

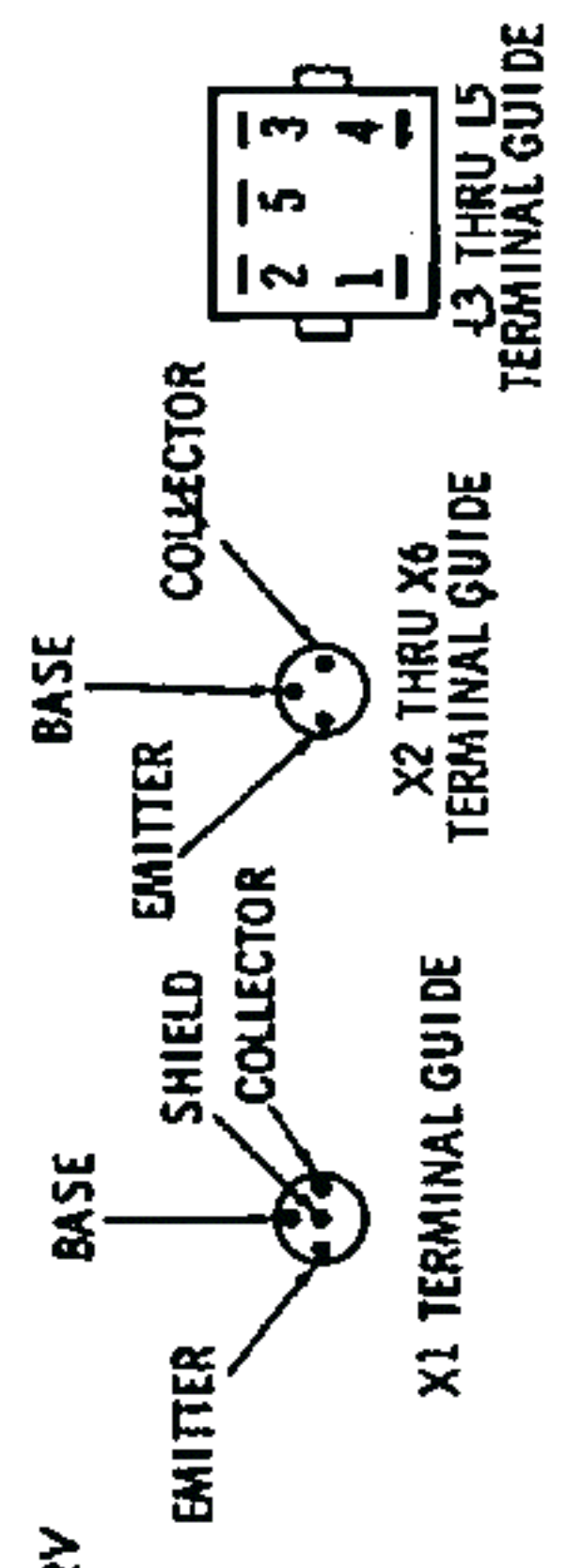
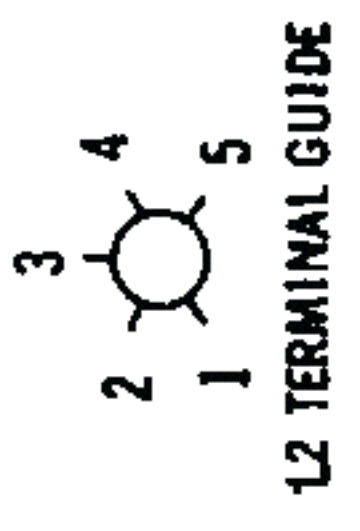
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TRUETONE MODEL DC3306



RESISTANCE MEASUREMENTS NOT GIVEN BECAUSE OF THE WIDE VARIATION IN INTERNAL TRANSISTOR RESISTANCE.

NUMBERS ASSIGNED TO COILS, SWITCHES, PLUGS, SOCKETS, AND TRANSFORMERS ARE TO FACILITATE CIRCUIT TRACING OR COMPONENT REPLACEMENT AND MAY NOT NECESSARILY BE FOUND ON THE UNIT.



OUTPUT
X5 25B56

OUTPUT
X6 25B56

DRIVER
X4 25B54

2ND IF AMP
X3 2SA53

1ST IF AMP
X2 2SA49

CONV
X1 2SA73