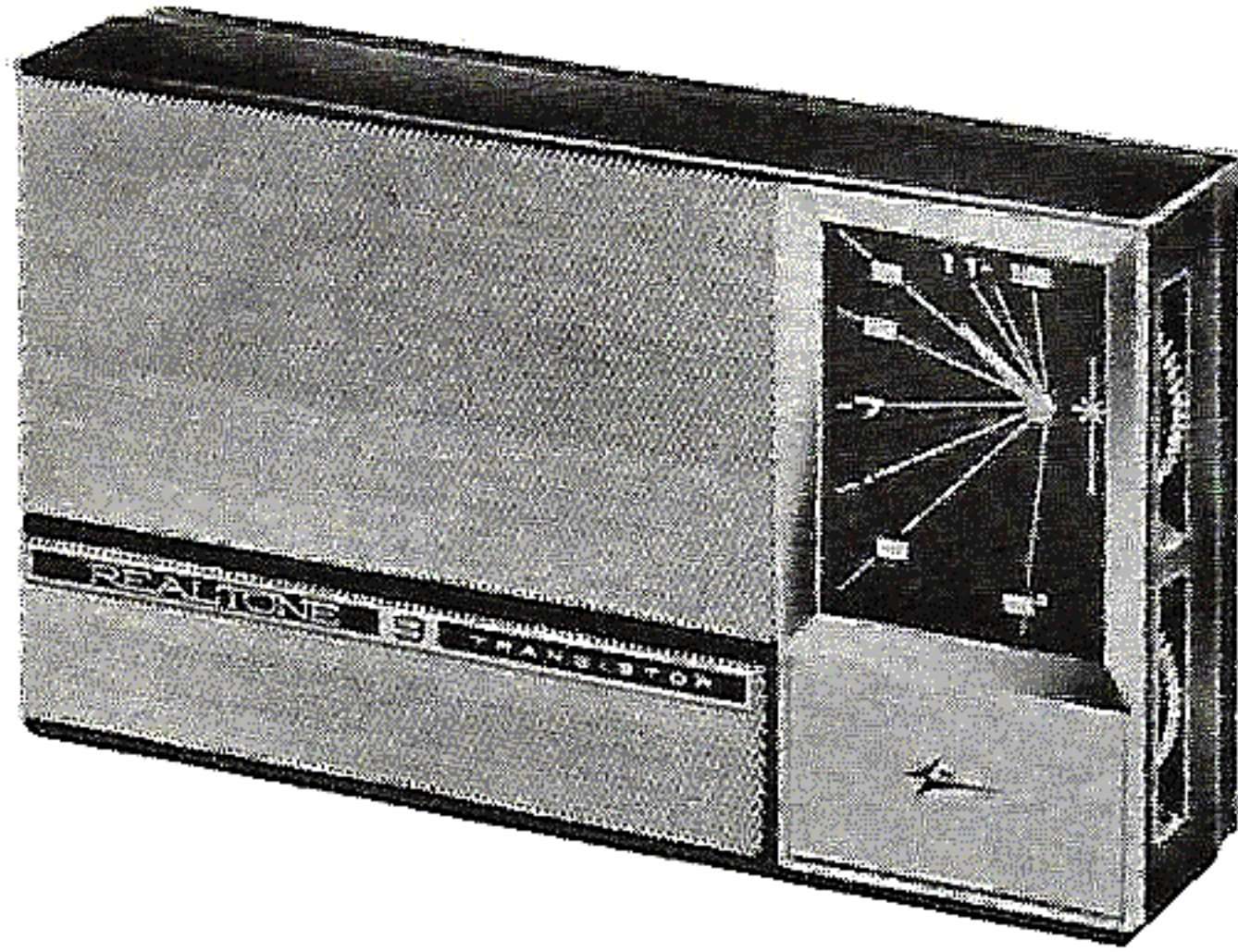


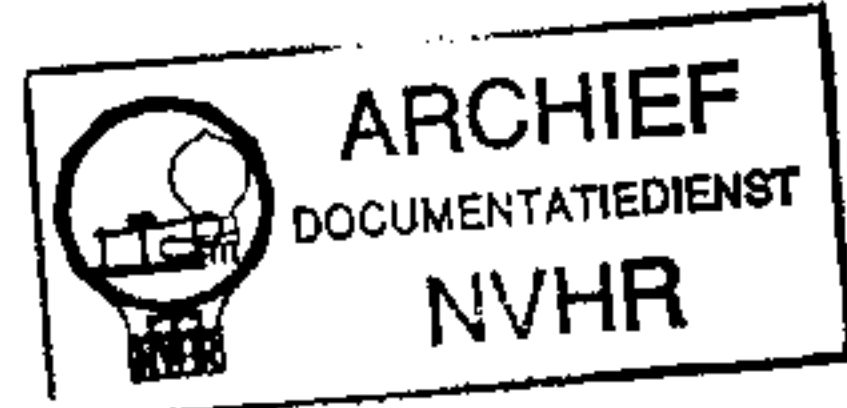


Met dank aan Jef Bos



TRADE NAME : Realtone Model TR-1929
 SUPPLIER : Realtone Electronics,
 71 Fifth Ave., New York 3, N. Y.
 TYPE SET : 9 Transistor AM Receiver
 POWER SUPPLY : 6 Volts DC
 RATING : 8MA @ 6 VDC (No Signal, Min. Volume)
 15MA @ 6 VDC (Signal, Normal Volume)
 TUNING RANGE : BROADCAST 535 - 1620KC

Ned. Ver. v. Historie v/

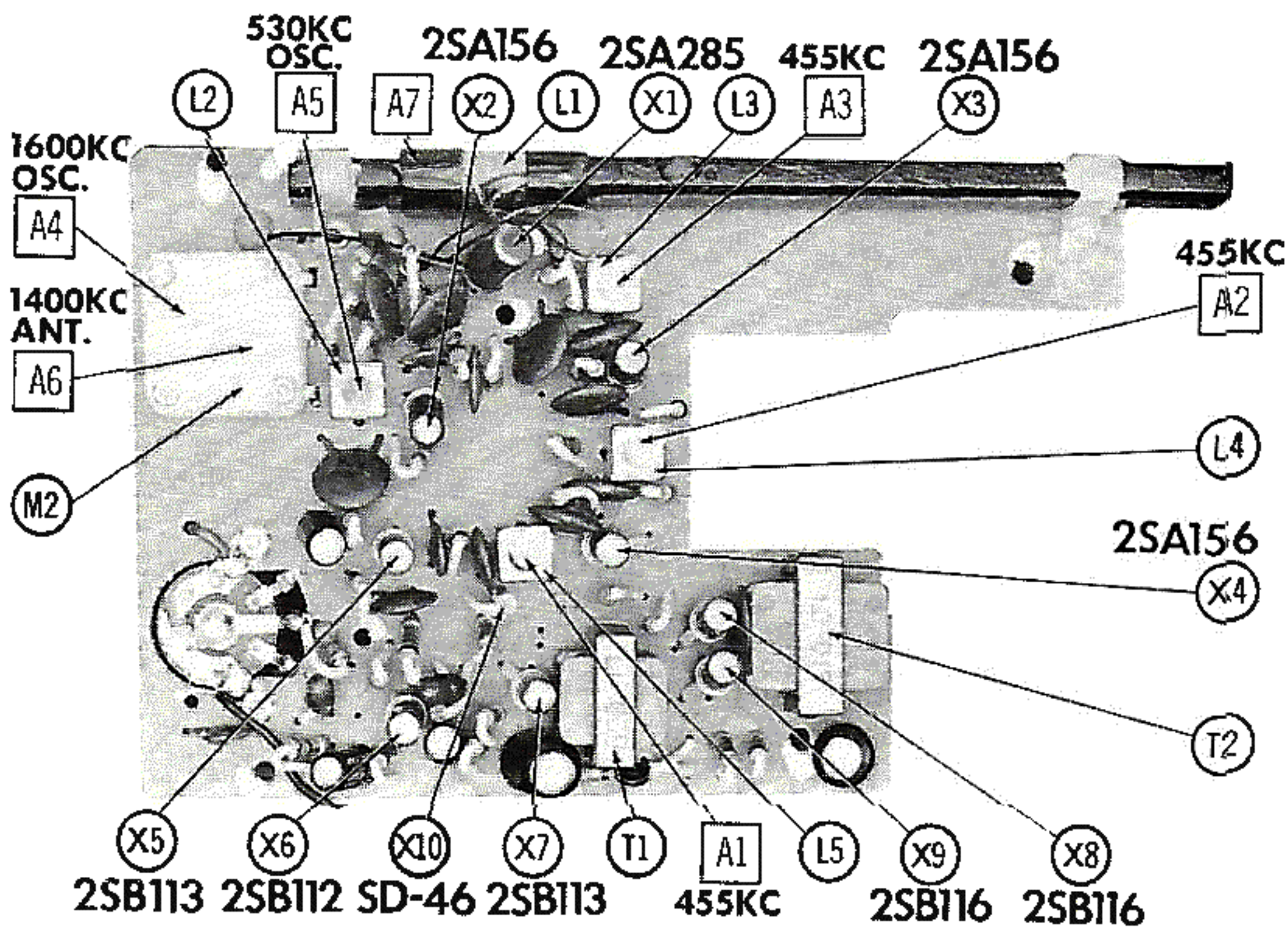


ALIGNMENT INSTRUCTIONS

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.



TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	2SA285	Mixer	DS-25	GE-1		PNP
X2	2SA156	Oscillator	DS-25	GE-1		PNP
X3	2SA156	1st IF Amp.	DS-25	GE-1		PNP
X4	2SA156	2nd IF Amp.	DS-25	GE-1		PNP
X5	2SB113	AGC	DS-26	GE-2	2N406	PNP
X6	2SB112	AF Amp.	DS-26	GE-2	2N406	PNP
X7	2SB113	Driver	DS-26	GE-2	2N406	PNP
X8	2SB116	Output	DS-26	GE-2	2N406	PNP
X9	2SB116	Output	DS-26	GE-2	2N406	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.	
X10		SD48				Detector

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	REALTONE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.
C1	5	6	V-5-6	BCD8005	ECPB405	MT1-3	TT6X5	ML5-6	TE-1084
C2	.5	6	CAO, 5R6	BCD6001	NLW1-50	MT1-1	TT12X1	ML1-6	TE-1080
C3	5	6	V-5-6	BCD8005	ECPB405	MT1-3	TT6X5	ML5-6	TE-1084
C4	.5	6	CAO, 5R6	BCD6001	NLW1-50	MT1-1	TT12X1	ML1-6	TE-1080
C5	5	6	V-5-6	BCD8005	ECPB405	MT1-3	TT6X5	ML5-6	TE-1084
C6	50	6	V-50-6	BCD8050		MT1-16		ML50-6	
C7	50	6	V-50-6	BCD8050		MT1-16		ML50-6	

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C8	.04		TTD-05	CK-503	H05S5		TA-150	TG-S50
C9	.04		TTD-05	CK-503	H05S5		TA-150	TG-S50
C10	.02		TTD-02	CK-203	H05S2		TA-120	TG-S20
C11	.005		TTD-005	CK-502	H05D5		TA-250	TG-D50
C12	.04		TTD-05	CK-503	H05S5		TA-150	TG-S50
C13	.04		TTD-05	CK-503	H05S5		TA-150	TG-S50
C14	.04		TTD-05	CK-503	H05S5		TA-150	TG-S50
C15	.04		TTD-05	CK-503	H05S5		TA-150	TG-S50
C16	.04		TTD-05	CK-503	H05S5		TA-150	TG-S50
C17	.04		TTD-05	CK-503	H05S5		TA-150	TG-S50
C18	.005		TTD-005	CK-502	H05D5		TA-250	TG-D50
C19	.005		TTD-005	CK-502	H05D5		TA-250	TG-D50
C20	.02		TTD-02	CK-203	H05S2		TA-120	TG-S20
C21	.02		TTD-02	CK-203	H05S2		TA-120	TG-S20
C22	.04		TTD-05	CK-503	H05S5		TA-150	TG-S50

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			REALTONE PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume & Switch	5000Ω	RV-010	B16-214 ①			

DESCRIPTION

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
R30	220Ω Cold			#D-32S					

Realtone Part Number.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		REALTONE PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	Loopstick	HA-042a		2009			
L2	Osc.	HO-083					
L3	1st IF	HI-041	BC-569				
L4	2nd IF	HI-053	BC-570				
L5	3rd IF	HI-063	BC-571				

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA				NOTES
	PRI.	SEC.	REALTONE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	
T1	1	1	LI-009				

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	REALTONE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	
T2	400Ω CT	6-8Ω	LO-017				

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		REALTONE PART No.	QUAM PART No.	
SPI	2 3/4" PM 6-8Ω	AS-093	27A06Z8	

BATTERIES

ITEM No.	VOLTAGE	REALTONE PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	1½		930	1015	M-15R ① MN-1500 ② ZM-9 ③	① Zinc Carbon ② Manganese ③ Mercury 4 Used

MISCELLANEOUS

ITEM No.	PART NAME	REALTONE PART No.	NOTES
M2	Tuning Cap.	CV-062	2 Gang

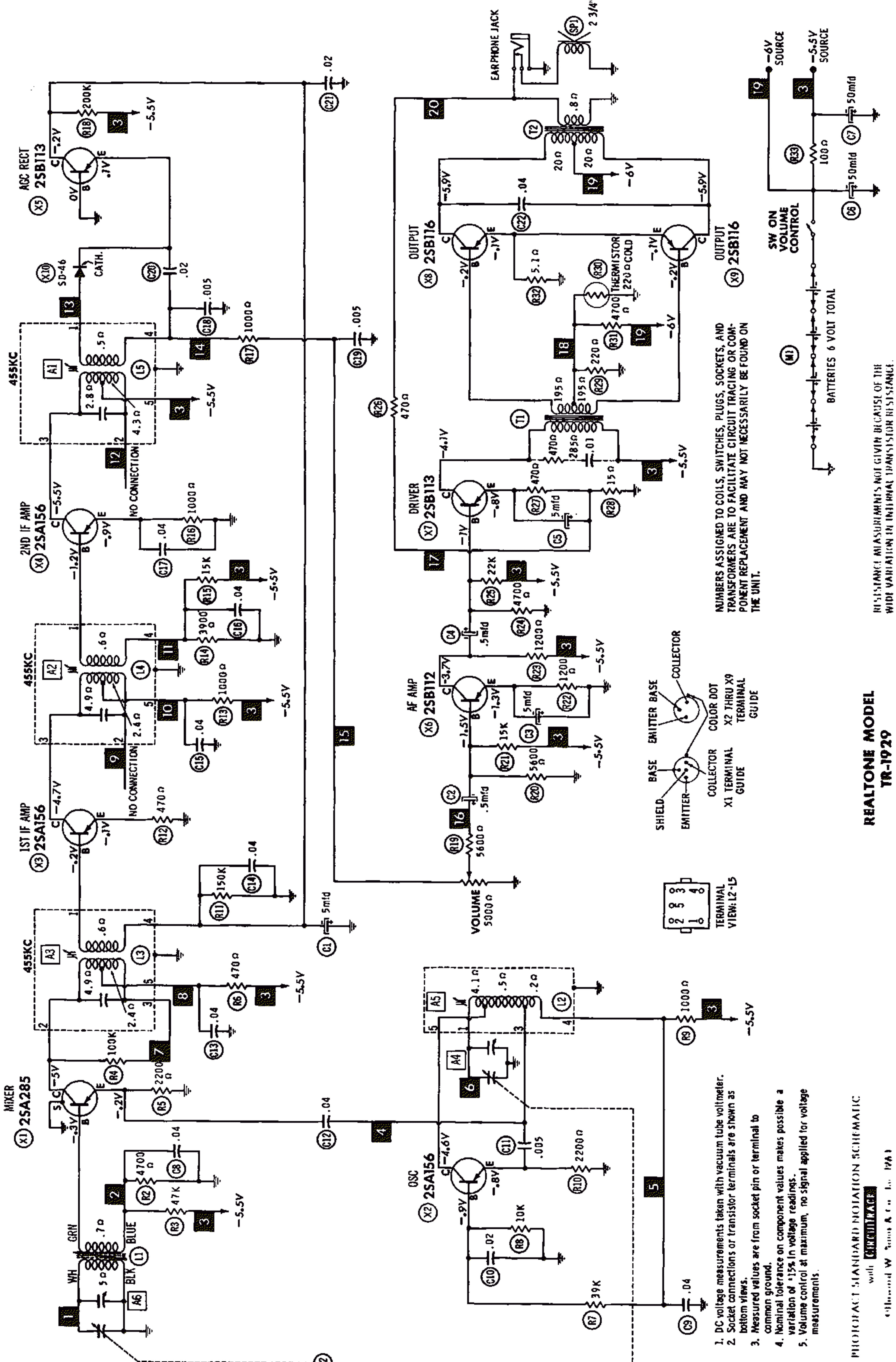
CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Pointer Assembly	P93-0030	Knob, Tuning	P93-0006
Dial Pointer	P93-0020	Cabinet, Complete	C-1929
Knob, Volume	P93-0007		

WIRING DATA

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

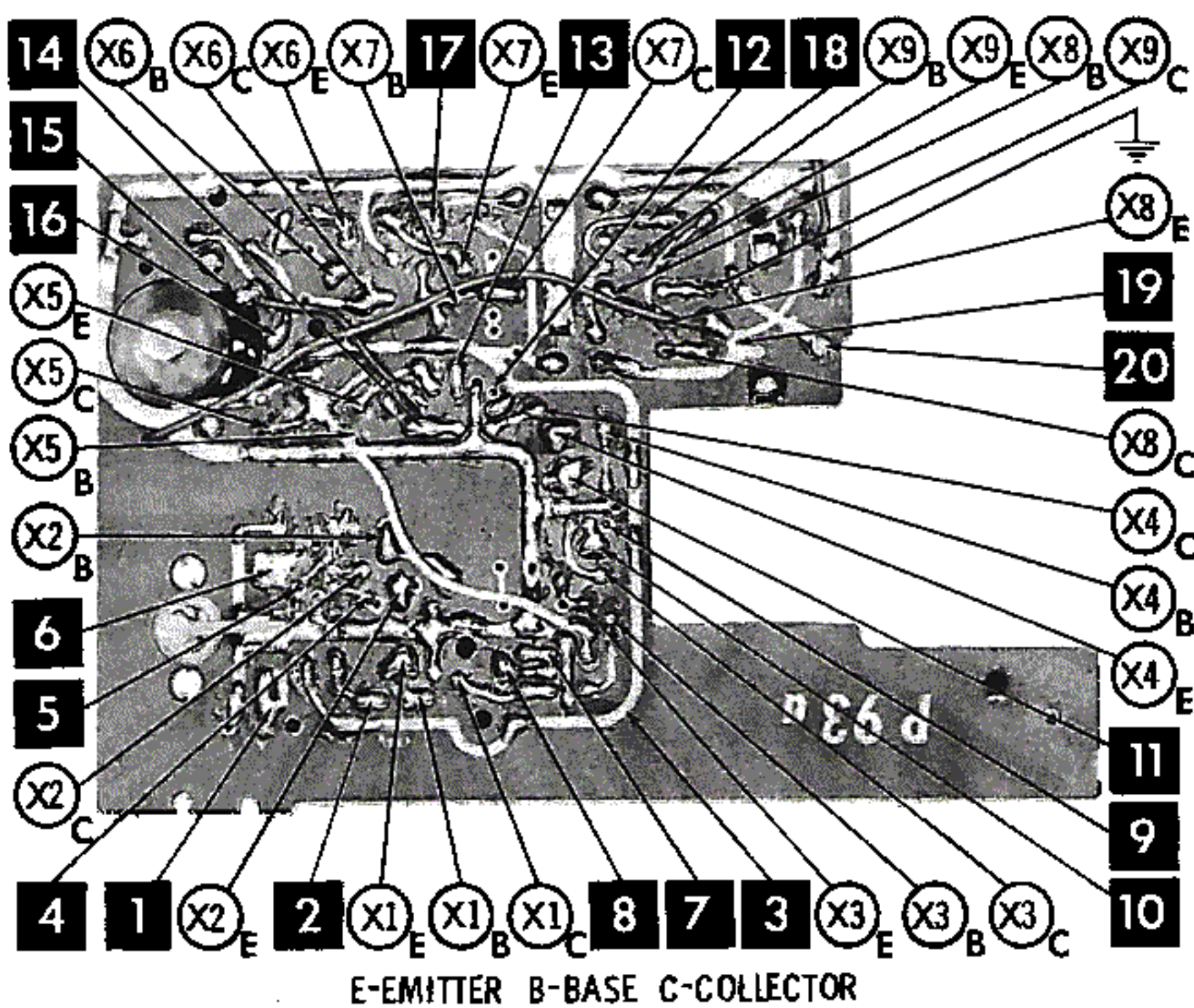


NUMBERS ASSIGNED TO COILS, SWITCHES, PLUGS, SOCKETS, AND TRANSFORMERS ARE TO FACILITATE CIRCUIT TRACING OR COMPONENT REPLACEMENT AND MAY NOT NECESSARILY BE FOUND ON THE UNIT.

1. DC voltage measurements taken with vacuum tube voltmeter.
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 readings.
5. Volume control at maximum, no signal applied for voltage measurements.

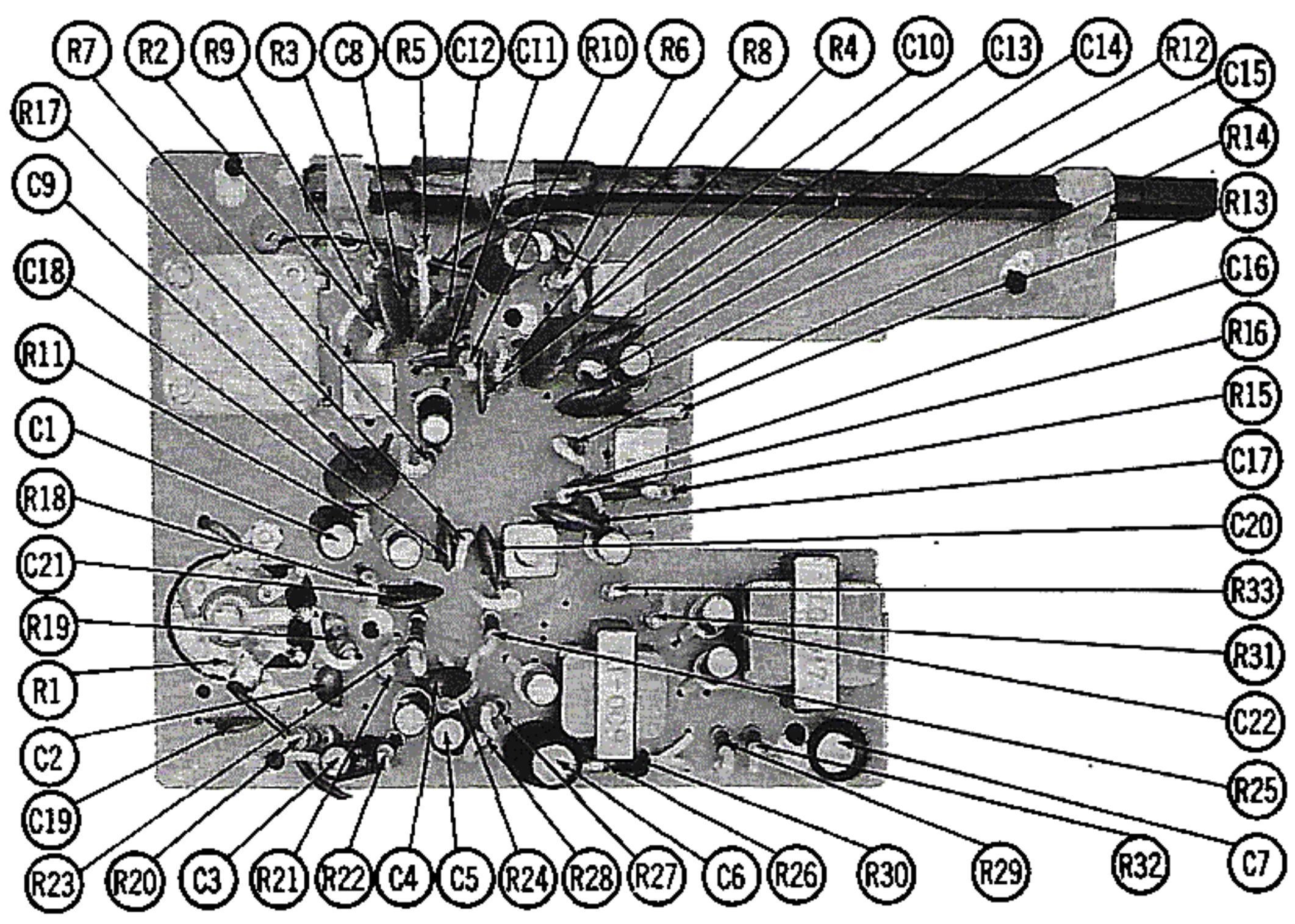
**REALTONE MODEL
TR-1929**

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



rd W. Sams CIRCUITRACE Photo

PRINTED BOARD



CHASSIS TOP VIEW