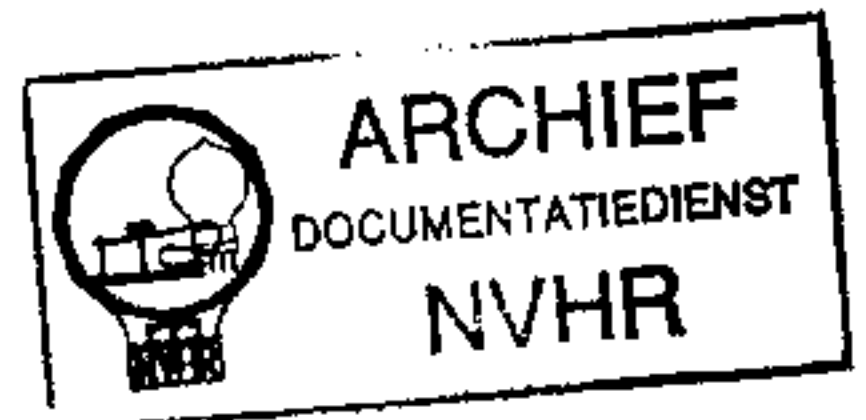
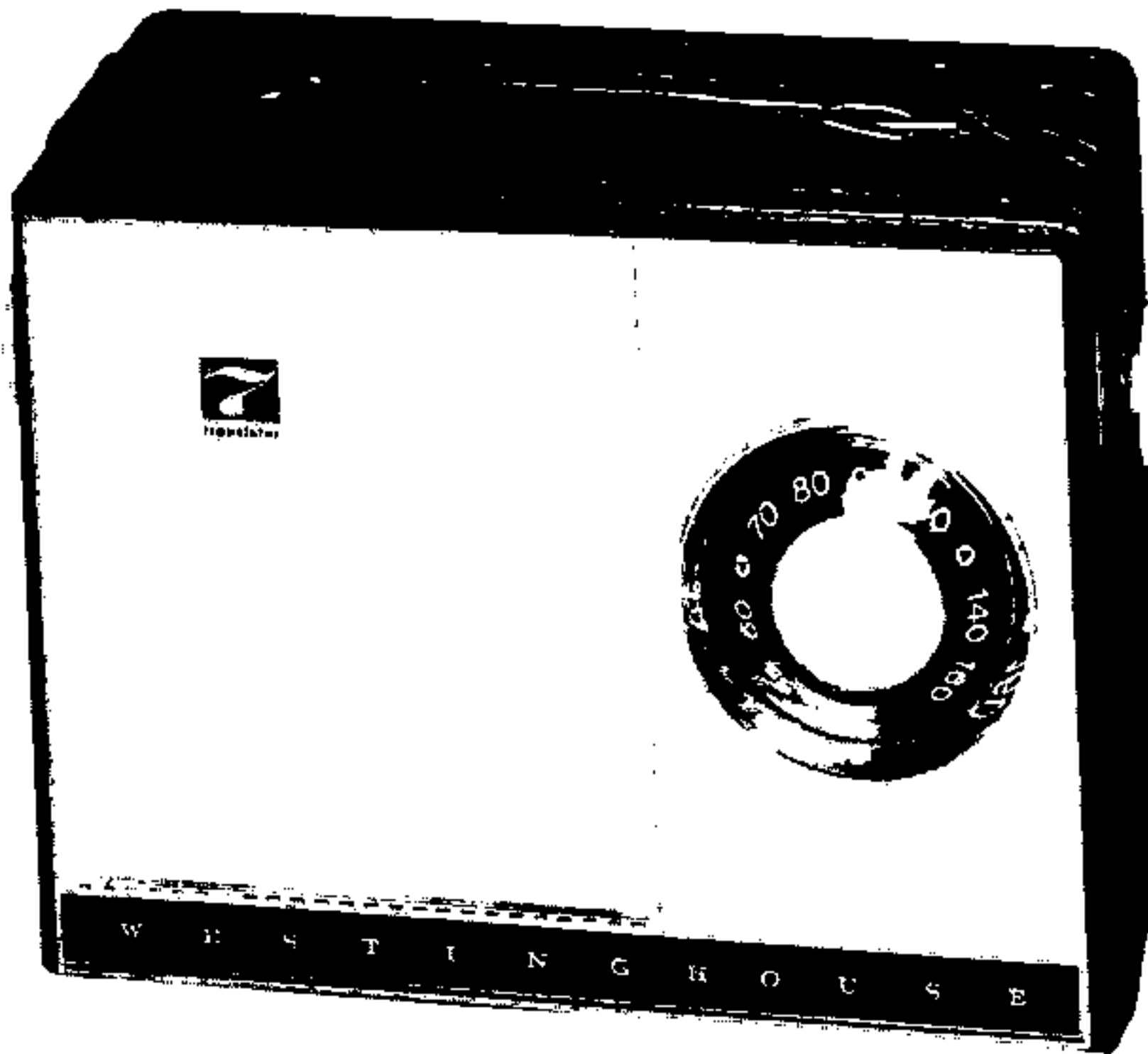


Met dank aan Jef Bos

Ned. Ver. v. Historie v/d R



MODEL H-730P7

TRADE NAME Westinghouse Models H-729P7, H-730P7 (Ch. V-2402-1)
 MANUFACTURER Westinghouse Electric Corp., Radio-Television Div., Metuchen, N. J.
 TYPE SET Battery Operated 7 Transistor Portable AM Receiver
 POWER SUPPLY 6 Volts DC RATING 15 MA @ 6 Volts DC (No Signal, Min. Volume)
 TUNING RANGE—BROADCAST 530 - 1625KC 23 MA @ 6 Volts DC (Signal, Normal Volume)

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading.

Suggested alignment tools: A1, A2, A5, A7.... GENERAL CEMENT #9440
 A3, A4..... GENERAL CEMENT #8282, 8606, 8606-L, 9295, 9440
 WALSCO #2526, 2543, 2544, 2545
 A6, A8, A9..... GENERAL CEMENT #5004, 5009, 8195, 8274, 8275, 8607, 8728, 8987,
 8988, 8989, 9291
 WALSCO #2515, 2520, 2522, 2523, 2531, 2532, 2534, 2537, 2538

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1.	High side thru .05mfd to Base of Converter. Low side to chassis.	455KC (400v Mod.)	Tuning gang fully open.	Across voice coil.	A1, A2, A3, A4	Adjust for maximum output.
2.	"	530KC	Tuning gang fully closed.	"	A5	"
3.	"	1625KC	Tuning Gang Fully open.	"	A6	Adjust for maximum output. Repeat Steps 2 and 3.
4.	High side thru .05mfd to RF Amp. base. Low side to chassis.	600KC	Tune to 600KC signal.	"	A7	Adjust for maximum output.
5.	"	1400KC	1400KC	"	A8	Adjust for maximum output. Repeat Steps 4 and 5.
6.	Loop	"	"	"	A9	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.

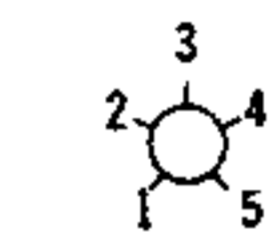
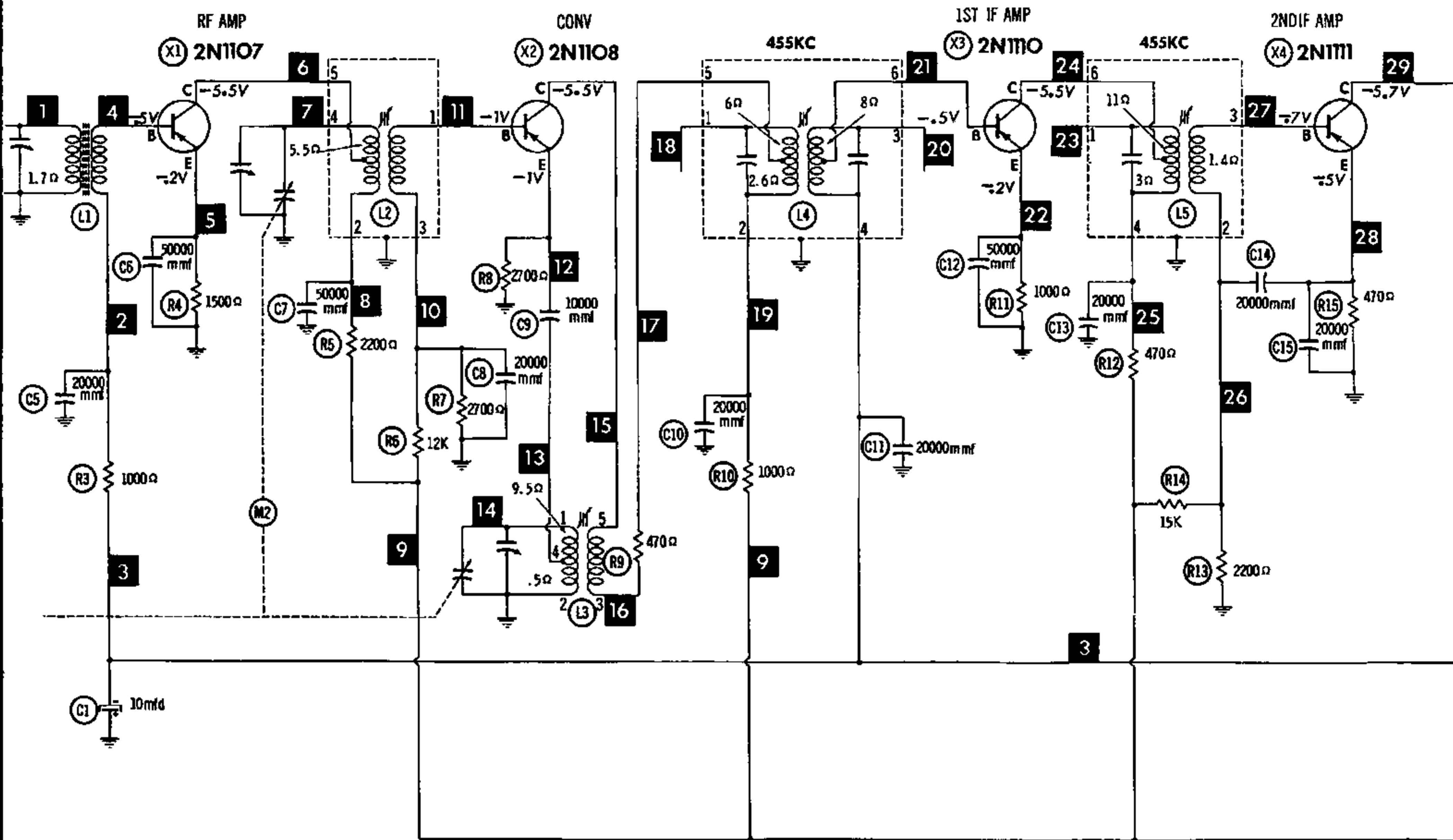
DISASSEMBLY

1. Remove knobs by pulling.
2. Open cabinet back and remove battery holder.
3. Remove 4 chassis mounting screws. (One screw grounds chassis to frame).
4. Remove chassis.

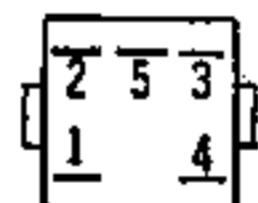
HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of KF061

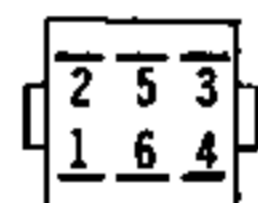
the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1960 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America



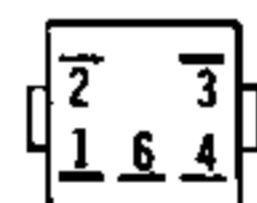
TERMINAL VIEW L2



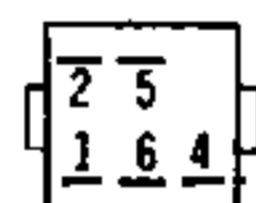
TERMINAL VIEW L3



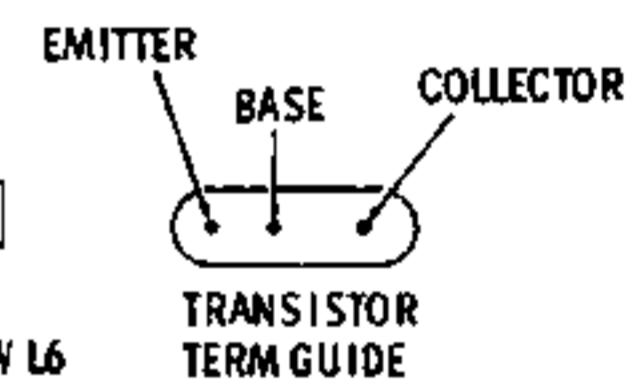
TERMINAL VIEW L4



TERMINAL VIEW L5



TERMINAL VIEW L6

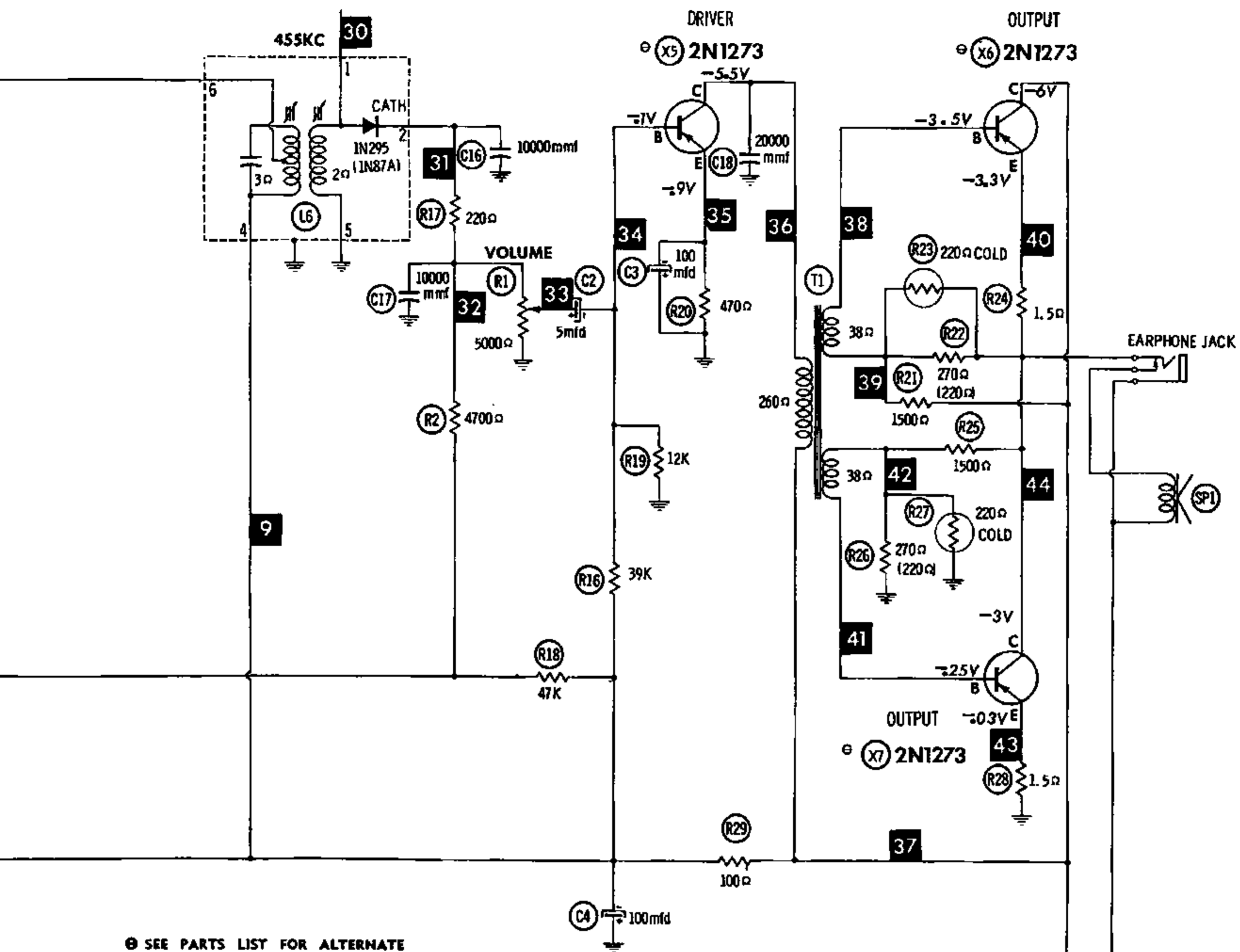


TRANSISTOR TERM GUIDE

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.

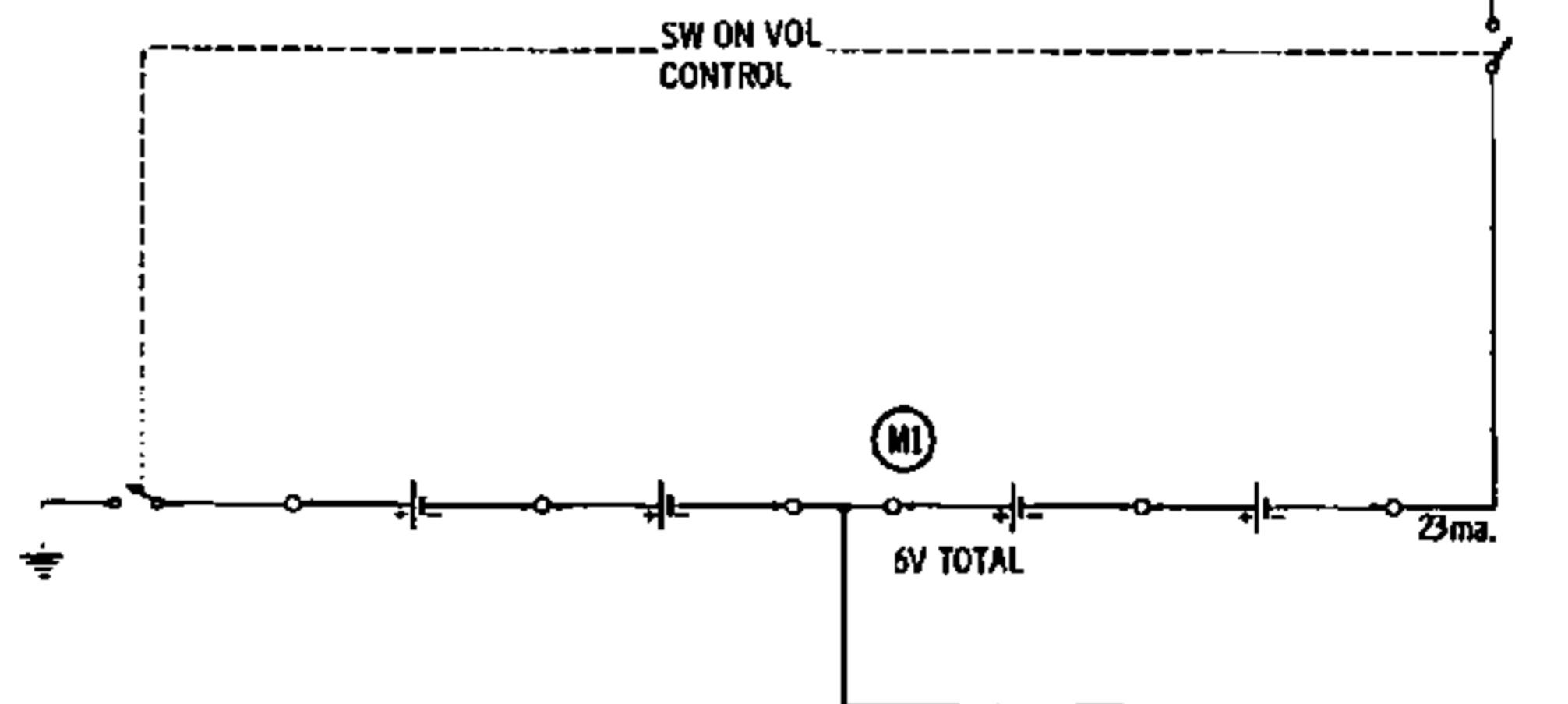
1. DC voltage measurements taken with vacuum tube voltmeter.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common positive.
4. Nominal tolerance on component values makes possible a variation of $\pm 15\%$ in voltage and resistance readings.
5. Volume control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

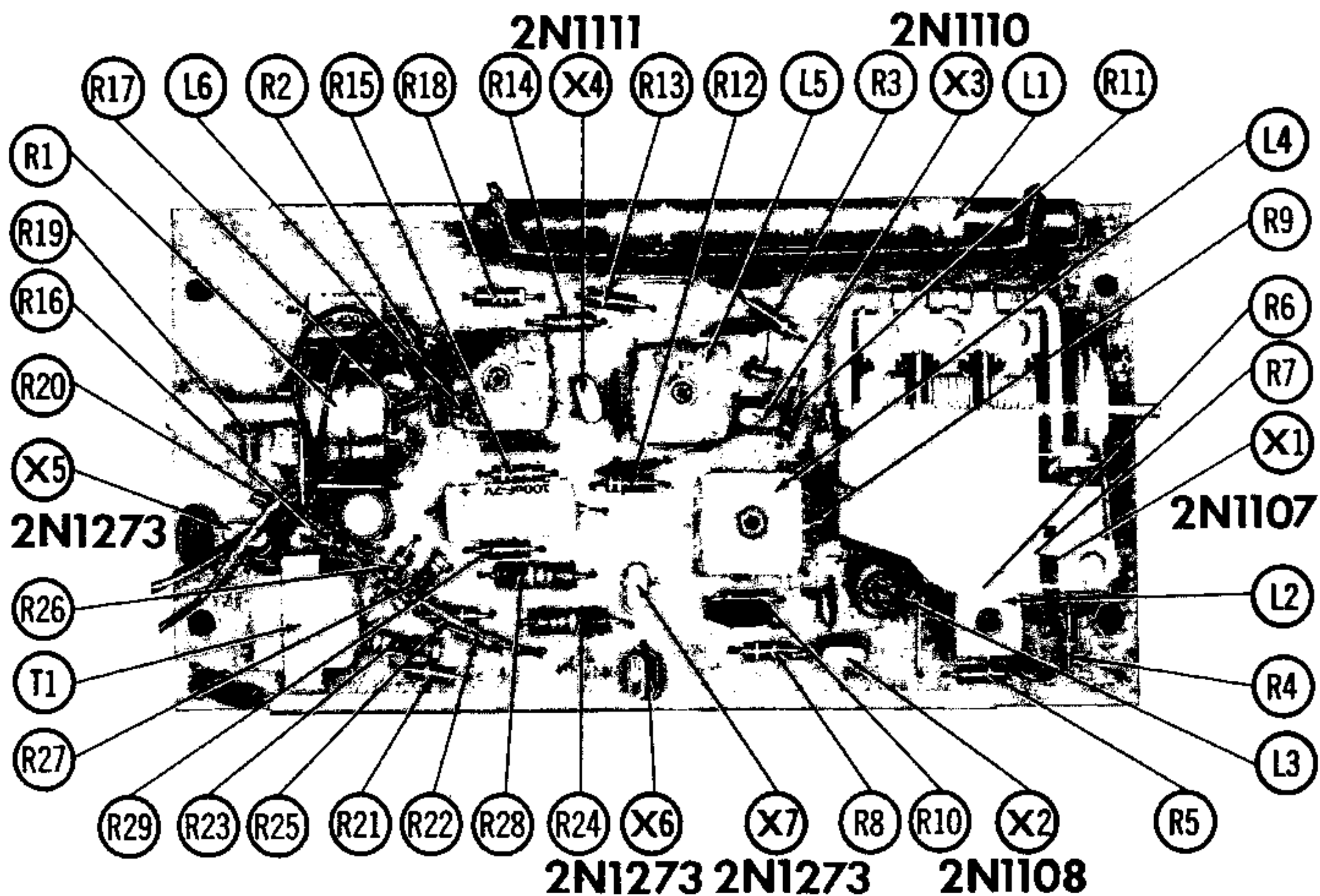
RESISTANCE MEASUREMENTS NOT GIVEN BECAUSE OF THE WIDE VARIATION IN INTERNAL TRANSISTOR RESISTANCE.



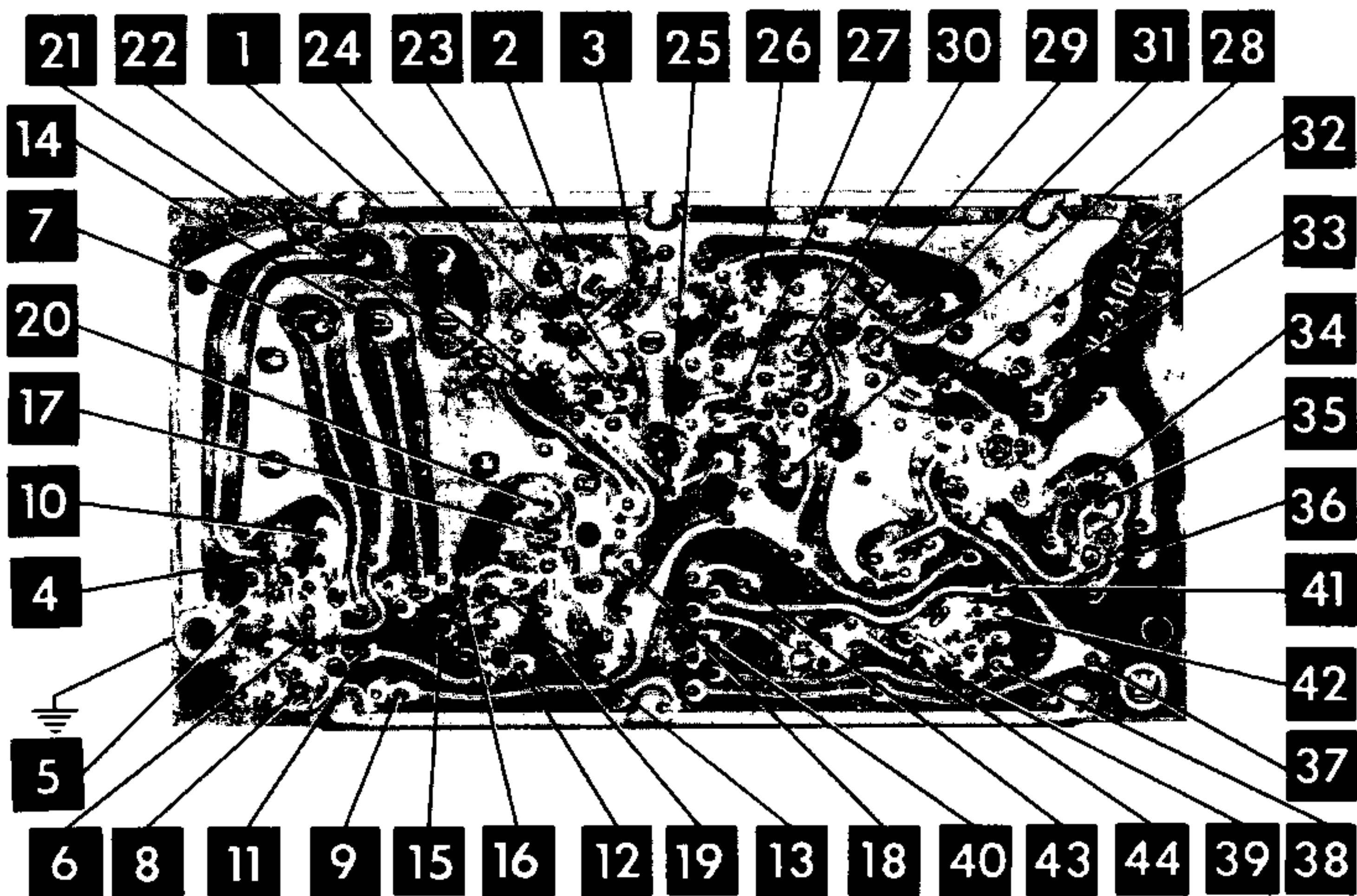
⊖ SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM





CHASSIS TOP VIEW - RESISTOR, INDUCTOR & TRANSISTOR IDENT.



PARTS LIST

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				NOTES
			CBS PART No.	RCA PART No.	RAYTHEON PART No.	SYLVANIA PART No.	
X1	2N1107	RF Amplifier			2N487	2N409	PNP
X2	2N1108	Converter			2N486	2N412	PNP
X3	2N1110	1st IF Amplifier			2N483	2N409	PNP
X4	2N1111	2nd IF Amplifier			2N483	2N409	PNP
X5	2N1273 †	Driver		2N408		2N217	PNP
X6	2N1273 *	Output		2N408		2N217	PNP
X7	2N1273 *	Output		2N408		2N217	PNP } Matched Pair

† (Selected) Some versions may use 8120 or 2N238 in this application.

* (Selected) Some versions may use 8121 or 2N185 in this application.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						NOTES
	CAP.	VOLT.	Westinghouse PART No.	AEROVOX PART No.	CORNELL-DUBIER PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.	
C1	10	3	218V012H16	PWE3010	NLW10-8	TT3X10	ML10-6	TE-1053	
C2	5	3	218V012H19	PWE3005	NLW5-15	TT6X5	ML5-6	TE-1052.2	
C3	100	3	218V012H22	BCD3100	ECPB17	TT6X100		VL-1051	
C4	100	7	218V012H15	PWE10100	NLW100-12	TT15X100	ML100-6	TE-1119.3	

FIXED CAPACITORS

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C5	20000		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C6	50000		BPD-05	DD-503	H-05S5	IDP-2-503	GP150	5HK-S50
C7	50000		BPD-05	DD-503	H-05S5	IDP-2-503	GP150	5HK-S50
C8	20000		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C9	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C10	20000		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C11	20000		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C12	50000		BPD-05	DD-503	H-05S5	IDP-2-503	GP150	5HK-S50
C13	20000		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C14	20000		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C15	20000		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20
C16	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C17	10000		BPD-01	DD-103	BYA10S1	CCD-103	B-110	5HK-S10
C18	20000		BPD-02	DD-203	BYB6S2	CCD-203	B-120	5HK-S20

AND DESCRIPTIONS

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESISTANCE	WATTS	Westinghouse PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.	
RIA B	5000Ω Switch	$\frac{1}{2}$	270V027H17					Volume Power Off-On

RESISTORS

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

ITEM No.	RATING	REMARKS
R2	4700Ω	
R3	1000Ω	
R4	1500Ω	
R5	2200Ω	
R6	12K	
R7	2700Ω	
R8	2700Ω	
R9	470Ω	
R10	1000Ω	
R11	1000Ω	

ITEM No.	RATING	REMARKS
R12	470Ω	
R13	2200Ω	
R14	15K	
R15	470Ω	
R16	39K	
R17	220Ω	
R18	47K	
R19	12K	
R20	470Ω	
R21	1500Ω	

ITEM No.	RATING	REMARKS
R22	270Ω	(220Ω) *
R23	220Ω Cold	#259V010H01
R24	1.5Ω	
R25	1500Ω	
R26	270Ω	(220Ω) *
R27	220Ω Cold	#259V010H01
R28	1.5Ω	
R29	100Ω	

Westinghouse Part Number.

* Used in early production with 5121 or 2N185 output transistors.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA						NOTES
		Westinghouse PART No.	Gramer PART No.	Meissner PART No.	Merit PART No.	Miller PART No.	Ram PART No.	
L1	Loopstick	310V057H01						
L2	RF Trans.	235V064H01						
L3	Osc. Coil	230V088H01						
L4	1st IF Trans.	235V063H01						
L5	2nd IF Trans.	235V051H01						
L6	3rd IF Trans.	235V052H01 *						

* Includes crystal detector.

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
	PRI.	SEC.1	Westinghouse PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	
T1	3	1	430V076H01					
		SEC. 2						
	3	1						

PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	TYPE			REPLACEMENT DATA		NOTES
				Westinghouse PART No.	QUAM PART No.	
	SIZE	FIELD	V. C. IMP.			
SP1	4"	PM	24-26Ω	570V079H01	4A07Z25	

BATTERIES

ITEM No.	VOLTAGE	Westinghouse PART No.	REPLACEMENT DATA						NOTES
			BURGESS		EVEREADY		MALLORY		
			"A"	"B"	"A"	"B"	"A"	"B"	
M1	1.5V *	*		230 *		A100 *		M-13R *	* 4 Required

MISCELLANEOUS

ITEM No.	PART NAME	Westinghouse PART No.	NOTES
M2	Tuning Cap.	330V034H01	3 Gang

CABINETS & CABINET PARTS

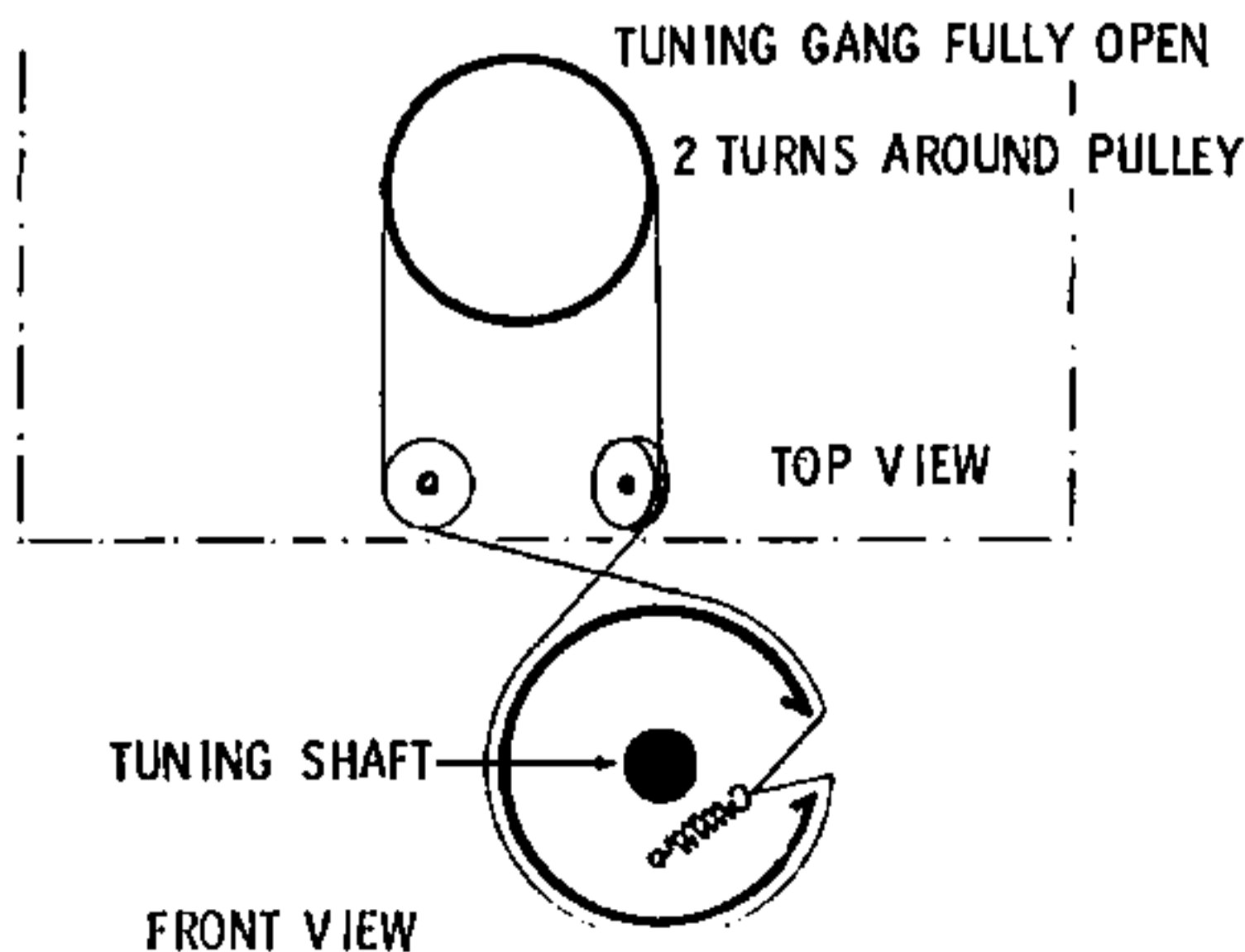
(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

NAME	PART NO.	DESCRIPTION
Knob	550V144H01	Tuning, Model H-729P7
Knob	550V144H03	Tuning, Model H-730P7
Knob	550V144H02	Volume, Model H-729P7
Knob	550V144H04	Volume, Model H-730P7
Crystal Dial	558V266H01	
Dial	550V132H02	
Cabinet Ass'y.	513V060H01	Model H-729P7
Cabinet Ass'y.	513V060H02	Model H-730P7
Cabinet Front	513V058H01	Less Escutcheon, Crystal, Name Plate

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in Ten Colors
8524 (Stranded) Available in Ten Colors

DIAL CORD STRINGING



CHASSIS—TOP VIEW

