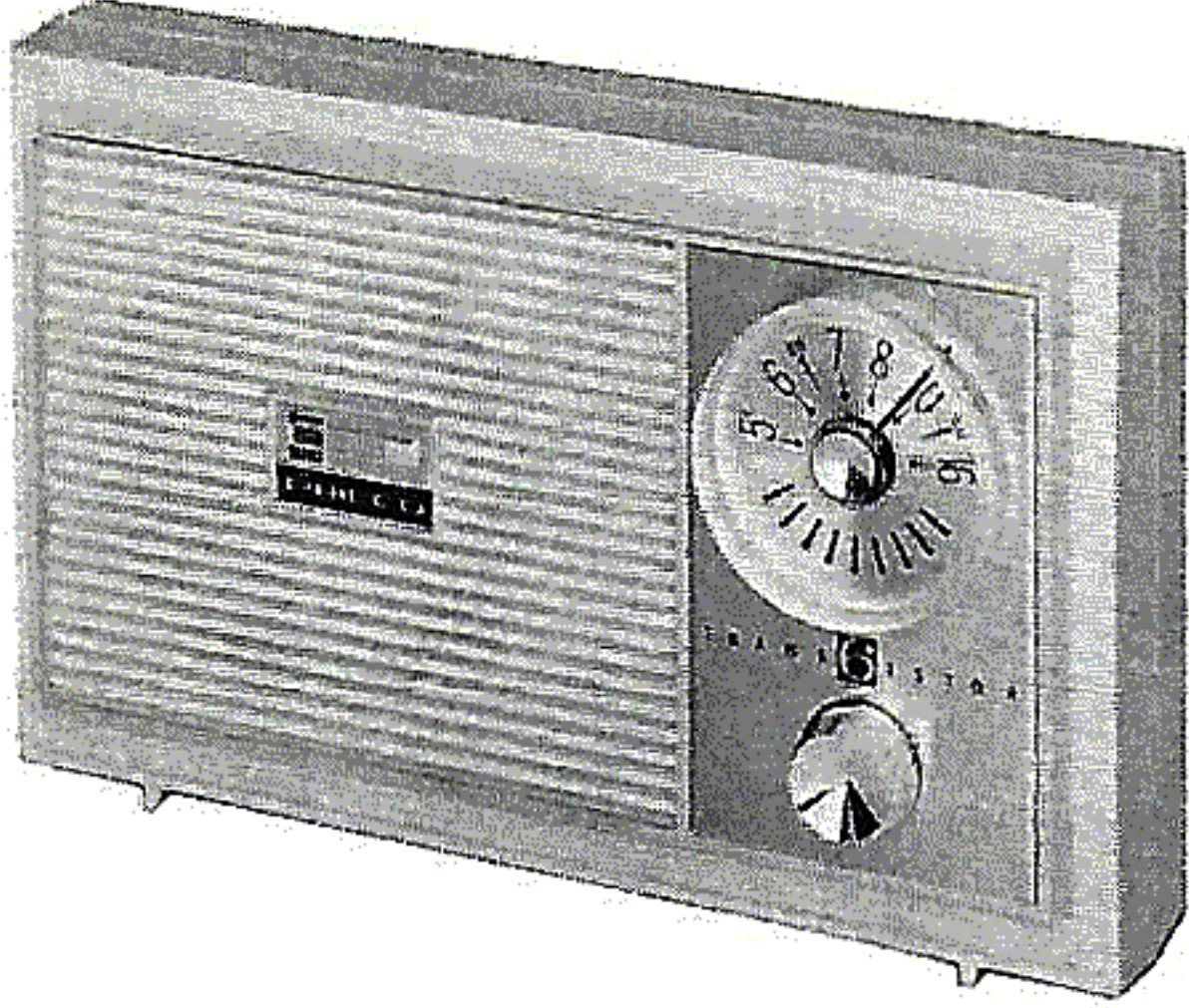
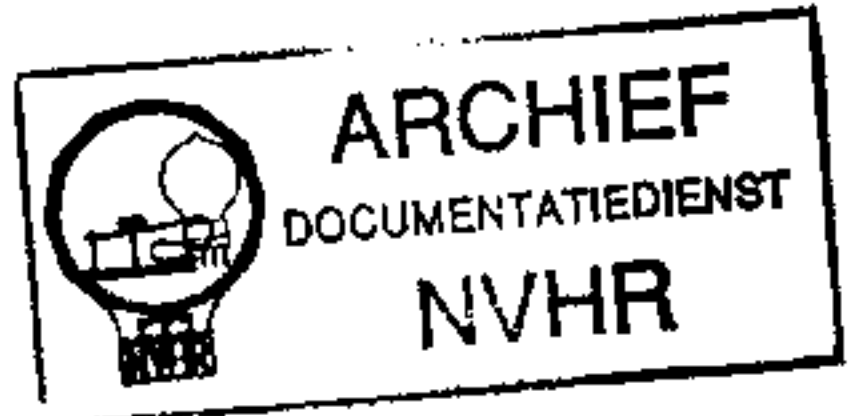




PHOTOFACT[®] with

Ned. Ver. v. Historie v/d Radio

Met dank aan Jef Bos

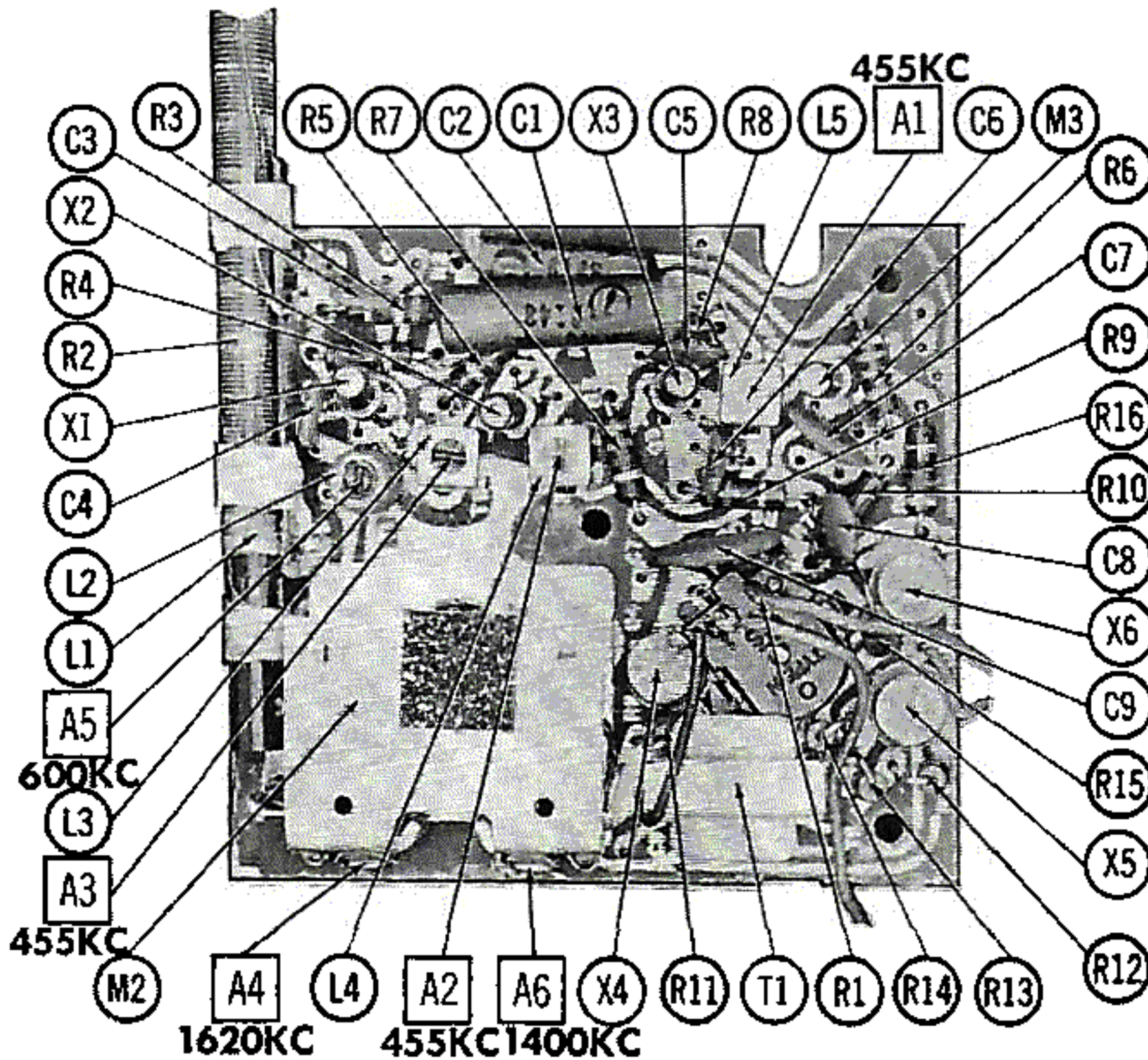


TRADE NAME : Philco Model T-64 (Code 124)
 SUPPLIER : Philco Corp., Subsidiary of Ford Motor Co
 Tioga & C Streets, Philadelphia, Pa.
 TYPE SET : 6 Transistor AM Receiver
 POWER SUPPLY : 3 Volts DC
 RATING : 10MA @ 3VDC (No Signal, Min. Volume)
 20MA @ 3VDC (Signal, Normal Volume)
 TUNING RANGE : BROADCAST 535 - 1620KC

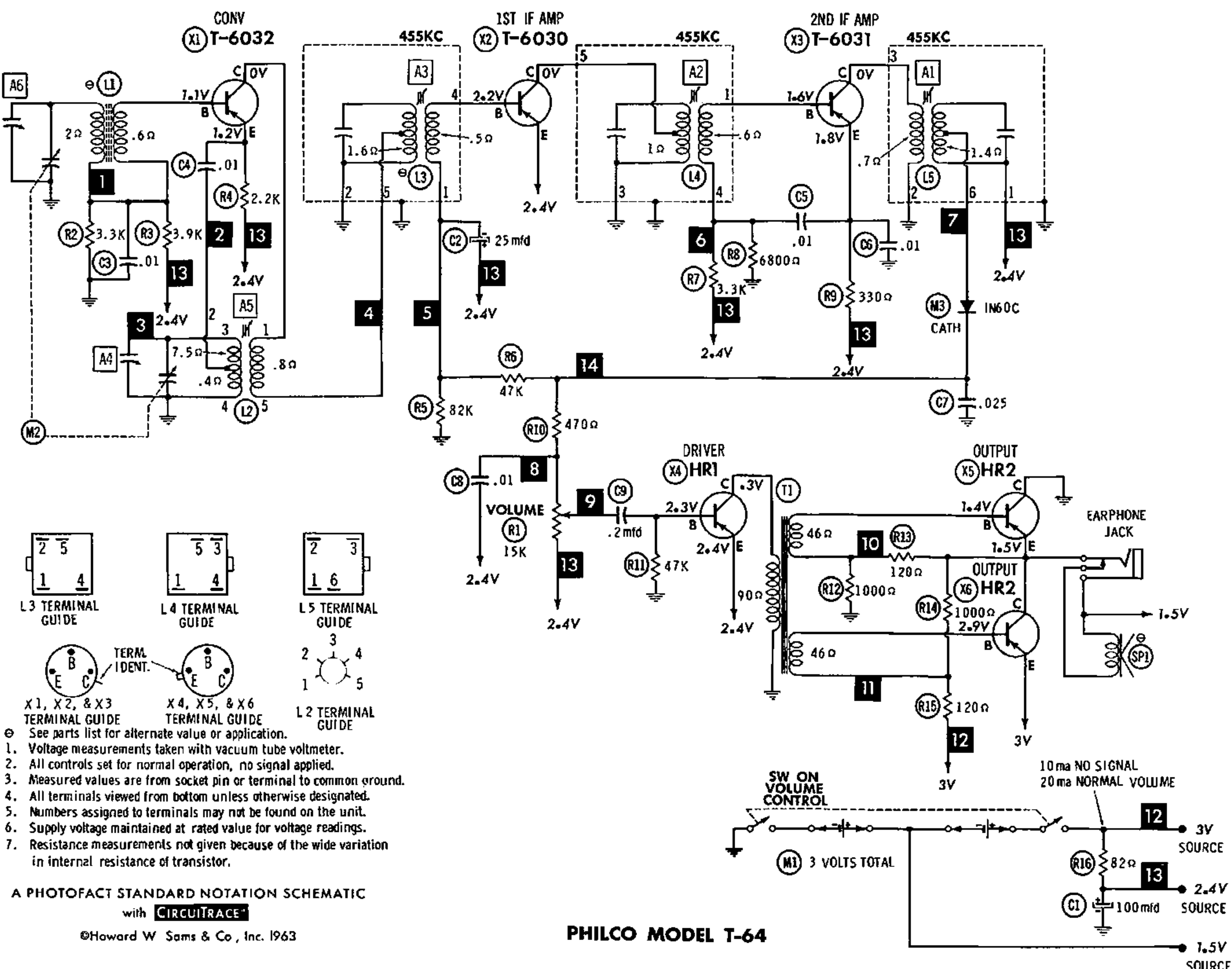
ALIGNMENT INSTRUCTIONS

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.



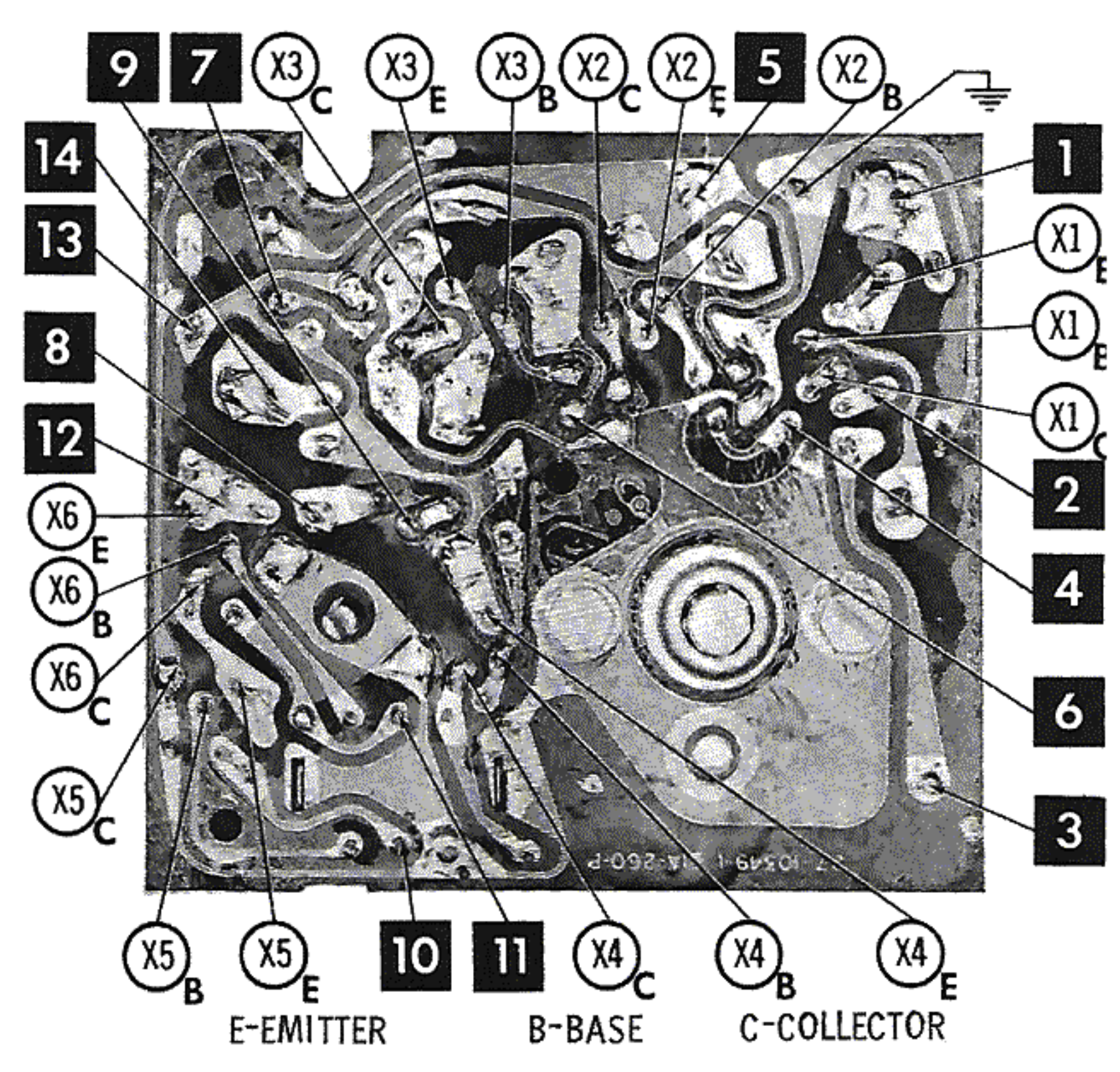
HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana



- ⊕ 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 PHOTOFACIT STANDARD NOTATION SCHEMATIC
 with **CIRCUITRACE**
 ©Howard W. Sams & Co., Inc. 1963

PHILCO MODEL T-64



TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	T-6032	Converter	DS-25	GE-1		PNP
X2	T-6030	1st IF Amplifier	DS-25	GE-1		PNP
X3	T-6031	2nd IF Amplifier	DS-25	GE-1		PNP
X4	HR1	Driver	DS-26	GE-2		PNP
X5	HR2*	Output	DS-26	GE-2		PNP
X6	HR2*	Output	DS-26	GE-2		PNP

* May have suffix letter A, B, C, D or E.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	PHILCO PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	100	3	30-2588-2	PTT13	NLW100-3	MT1-18	MLV100-3	TT6X100	TE-1059.5
C2	25	6	30-2588-10	PTT26	NLW25-15	MT1-13	MLV25-6	TT6X25	TE-1091

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.
C3	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C4	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C5	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C6	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C7	.025		TTD-025	CK-253	H4		TA-125	TG-S25
C8	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C9	.2mfd 10V			UK20-204	HCC25224Z			HY-325

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			PHILCO PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume & Switch	15K	33-5583-28				

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		PHILCO PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	Loopstick	76-10982-8 ①					① Alt. Part #76-10982-6 ② Part #32-4800-4 used in Run 52
L2	Osc.	32-4802-5					
L3	1st IF	32-4800-5 ②					
L4	2nd IF	32-4800-2					
L5	3rd IF	32-4800-3					

DESCRIPTION

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
			PHILCO PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC.1						
T1	2	1	32-8959-3					
		SEC.2						
		1						

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		PHILCO PART No.	QUAM PART No.	
SP1	2 3/4" PM 6-8Ω	36-1698-1*	27A06Z12	* Alternate Part #36-1664-10

BATTERIES

ITEM No.	VOLTAGE	PHILCO PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	3		930 (or AL-9, Hg-9)	1015 (or E91, E9)	M-15R (or MNI500, ZM-9)	2 Required

MISCELLANEOUS

ITEM No.	PART NAME	PHILCO PART No.	NOTES
M2	Tuning Cap.	31-2788-5	
M3	Detector (1N60C)	34-8022-5	

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob - Tuning	424-8427	Cabinet - Complete, Blue	424-8420
Knob - Volume	424-8426	Cabinet - Complete, Brown	424-8432

WIRING DATA

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