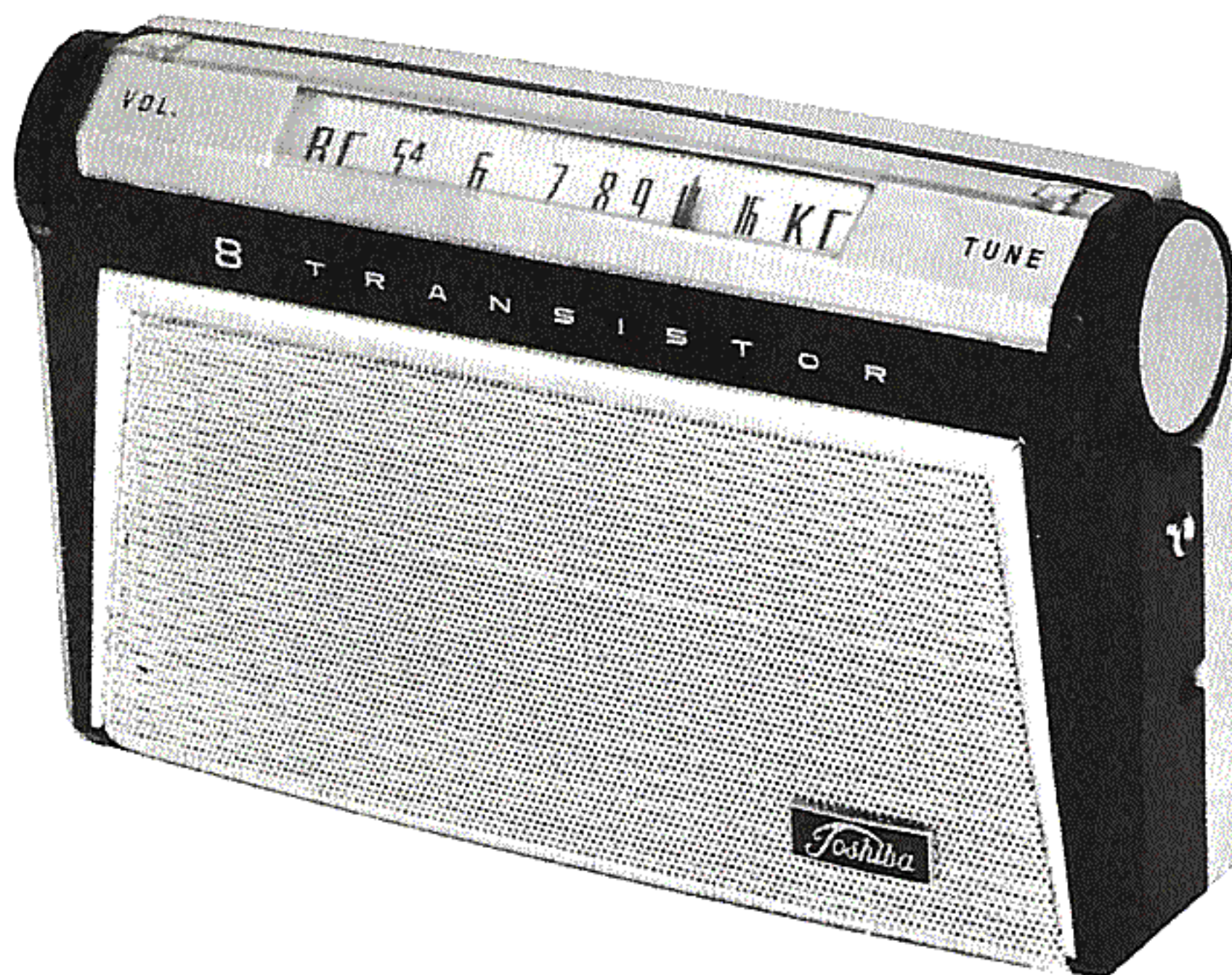
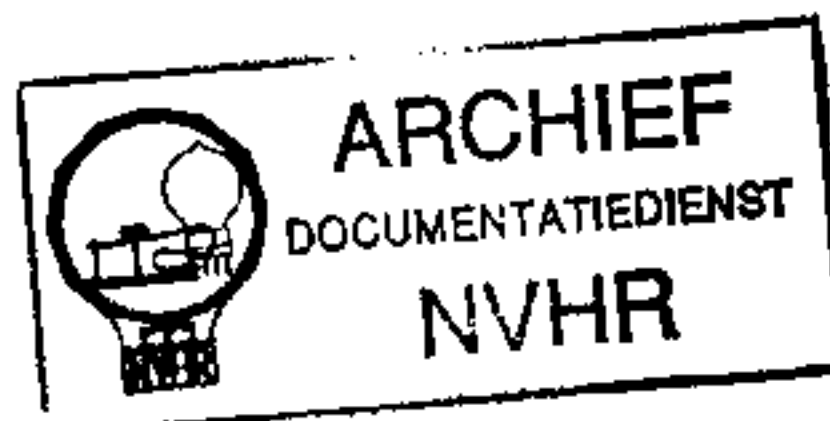


Met dank aan Jef Bos

Ned. Ver. v. Historie v/d Radio



TRADE NAME	Toshiba Model 8TM-41		
SUPPLIER	Transistor World Corp., 513 W. 24th Street, New York 11, N. Y.		
TYPE SET	Battery Operated 8 Transistor Portable AM Receiver		
POWER SUPPLY	6 Volts DC	RATING	10MA @ 6 Volts DC (No Signal, Min. Volume)
TUNING RANGE—BROADCAST	540 — 1600KC		18MA @ 6 Volts DC (Signal, Normal Volume)

ALIGNMENT INSTRUCTIONS

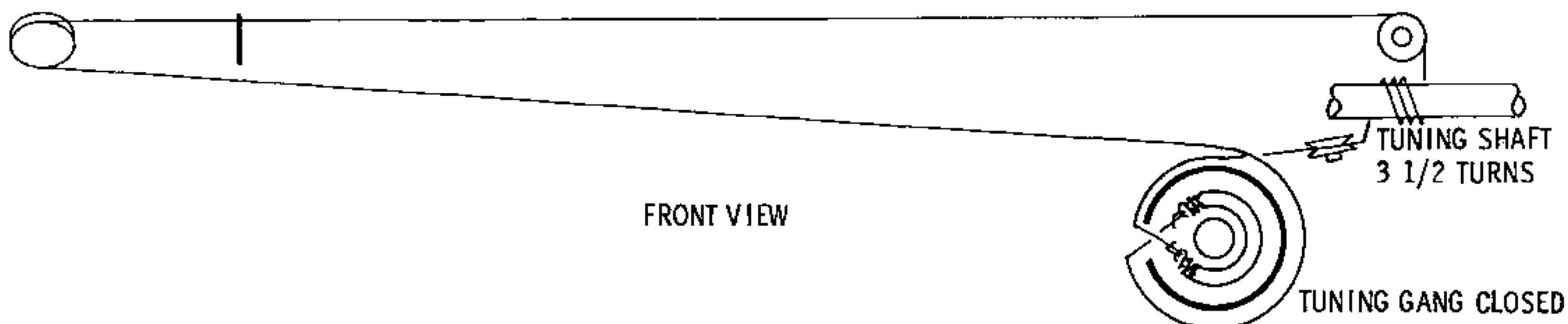
ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Use only enough generator output to provide a usable indication.

Suggested Alignment Tools: A1 thru A6... GENERAL CEMENT #5000, 5003, 5066, 8276, 8290, 9087, 9089
WALSCO #2512, 2525, 2528

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455KC (Unmod.)	Tuning gang fully open.	DC VTVM across Volume Control.	A1, A2, A3	Adjust for maximum deflection.
2.	"	1600KC	"	"	A4	"
3.	"	540KC	Tuning gang fully closed.	"	A5	"
4.	"	1400KC	1400KC	"	A6	"

DIAL CORD STRINGING

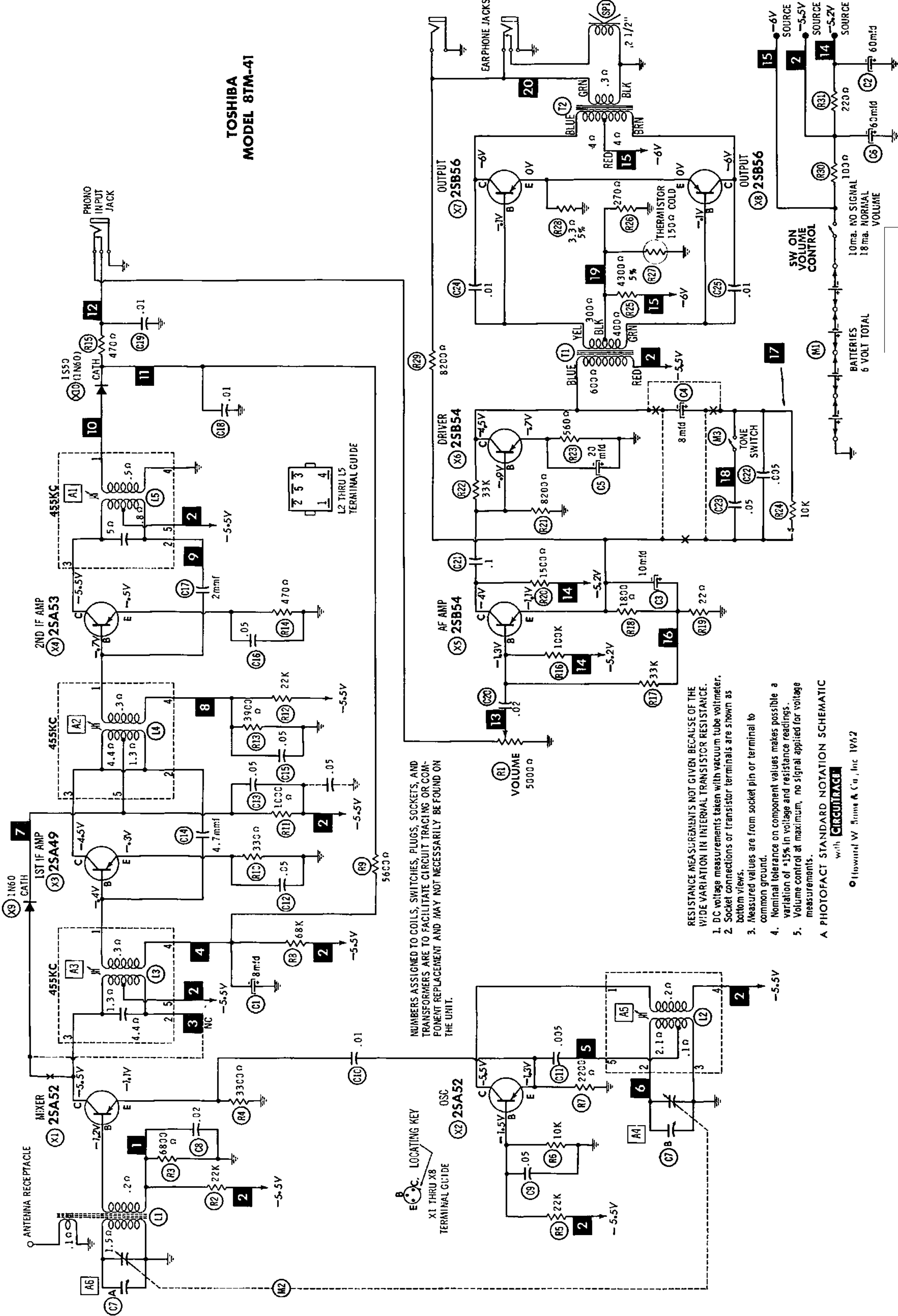


HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

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 LF635

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. © 1962 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America

**TOSHIBA
MODEL 8TM-41**

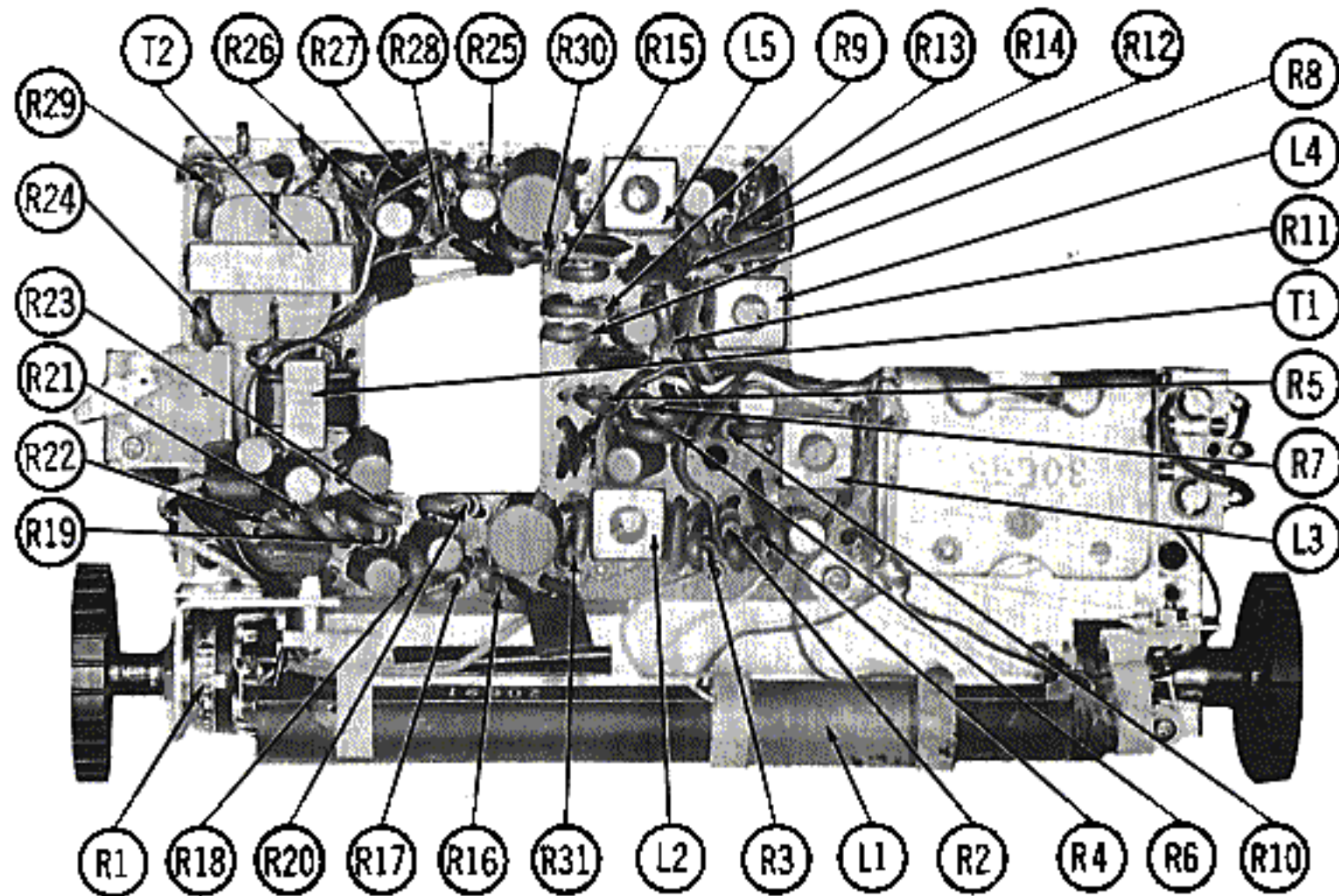


NUMBERS ASSIGNED TO COILS, SWITCHES, PLUGS, SOCKETS, AND TRANSFORMERS ARE TO FACILITATE CIRCUIT TRACING OR COMPONENT REPLACEMENT AND MAY NOT NECESSARILY BE FOUND ON THE UNIT.

- RESISTANCE MEASUREMENTS NOT GIVEN BECAUSE OF THE WIDE VARIATION IN INTERNAL TRANSISTOR RESISTANCE.
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 +15% in voltage and resistance readings.
 5. Volume control at maximum, no signal applied for voltage measurements.

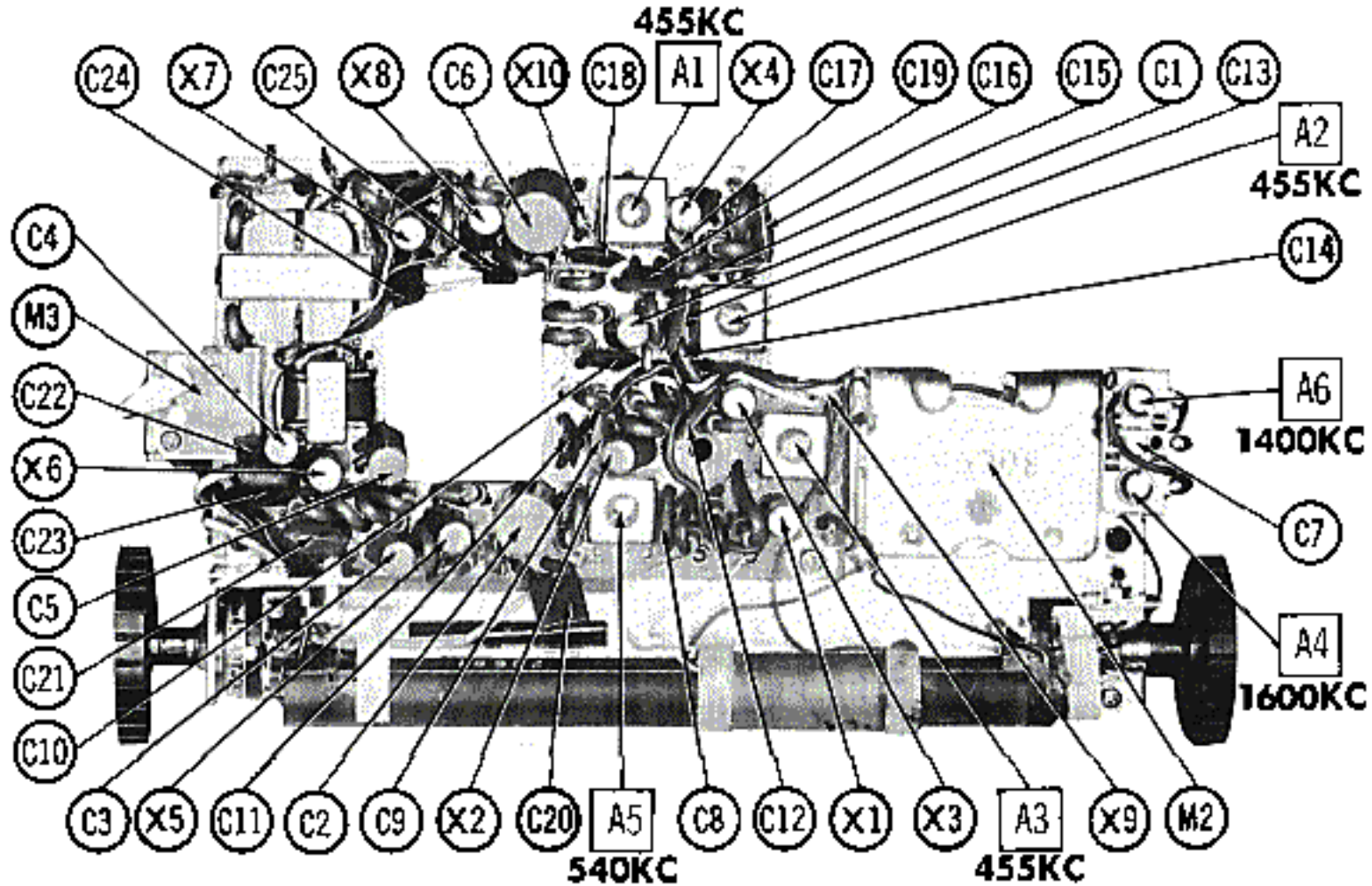
A PHOTOFACT STANDARD NOTATION SCHEMATIC with **CIRCUITRACE**

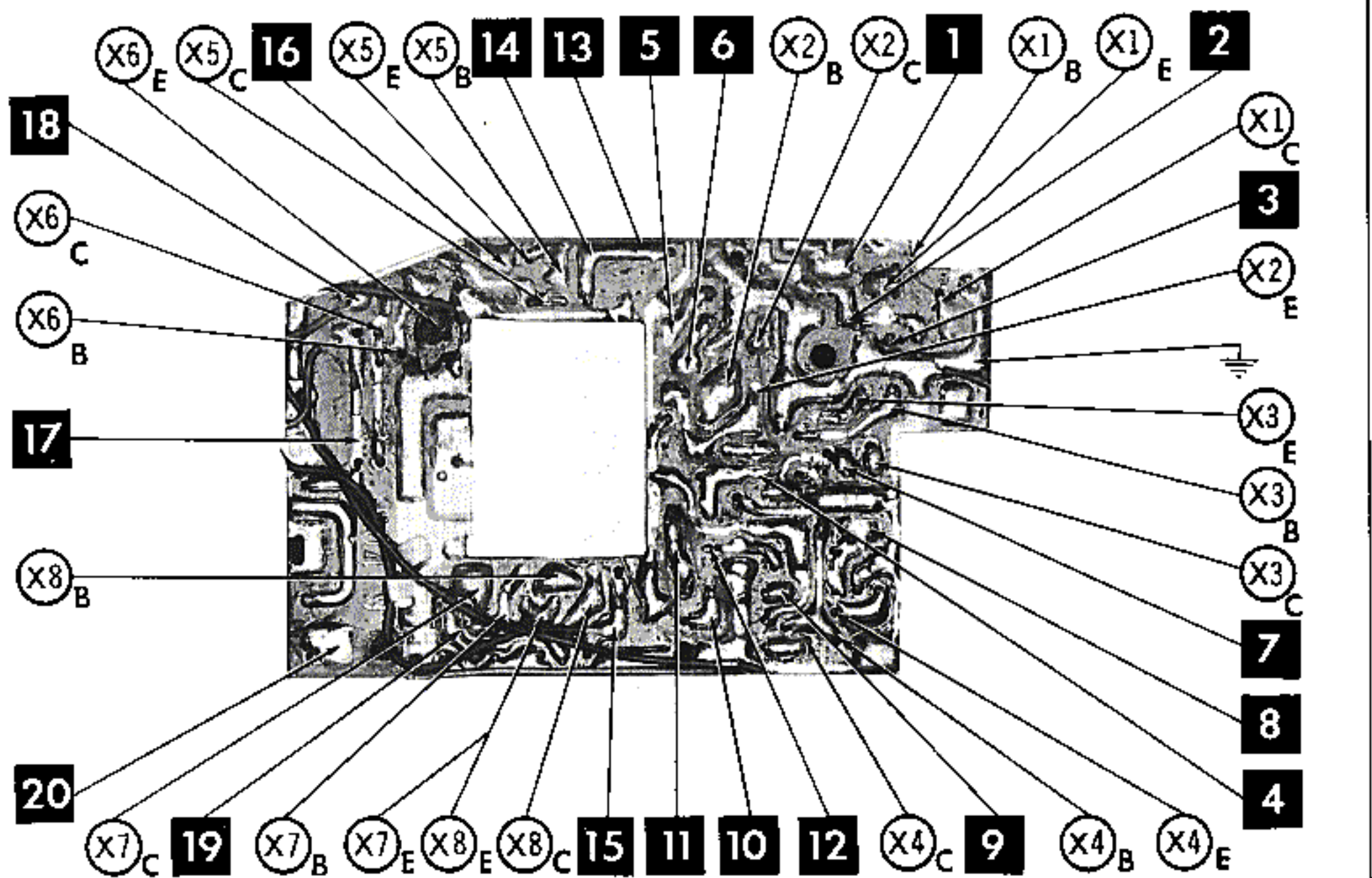
CHASSIS - TOP VIEW
RESISTOR,
INDUCTOR IDENT.



CHASSIS - TOP VIEW

ALIGNMENT,
CAPACITOR,
MISC. IDENT.





TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA		NOTES
			GENERAL ELECTRIC PART No.	RCA PART No.	
X1	2SA52	Mixer	GE-1		PNP
X2	2SA52	Oscillator	GE-1		PNP
X3	2SA49	1st IF Amplifier	GE-1		PNP
X4	2SA53	2nd IF Amplifier	GE-1		PNP
X5	2SB54	AF Amplifier	GE-2	2N408	PNP
X6	2SB54	Driver	GE-2	2N408	PNP
X7	2SB56	Output	GE-2	2N408	PNP
X8	2SB56	Output	GE-2	2N408	PNP

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	CURRENT RATING (Measur ^g)	ORIGINAL Part or Type No.	RECTIFIERS		DIODES	NOTES
			RCA PART No.	SARKES TARZIAN PART No.		
X9		1N60				Overload Detector (* Alternate 1N60)
X10		1S50				

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		TOSHIBA PART No.	REPLACEMENT DATA					
	CAP.	VOLT.		AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.
C1	8	5		BCD6008	ECPB407	MT1-5	TT6X8	ML8-6	VL-1086
C2	60	6		BCD6050		MT1-18	PET1260		
C3	10	3		CRE207	ECPB408	MT1-13	TT3X10	MLV10-3	VL-1038
C4	8	5		BCD6008	ECPB407	MT1-5	TT6X8	ML8-6	VL-1086
C5	20	3		CRE211	ECPB410	MT1-13	PET1570	ML20-3	VL-1040
C6	60	6		BCD6050		MT1-18	PET1260		

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.	
C7A									
B									
C8	.02		TTD-02	DDM-203	H-05S2		TA-120	TG-S20	
C9	.05		TTD-05	DDA-503	H-05S5			TG-S50	
C10	.01		TTD-01	DM-103	H-05S1		TA-110	TG-S10	
C11	.005		TTD-005	DDM-502	H-05D5		TA-250	TH-D50	
C12	.05		TTD-05	DDA-503	H-05S5			TG-S50	
C13	.05		TTD-05	DDA-503	H-05S5			TG-S50	
C14	4.7								
C15	.05		TTD-05	DDA-503	H-05S5			TG-S50	
C16	.05		TTD-05	DDA-503	H-05S5			TG-S50	
C17	2								
C18	.01		TTD-01	DM-103	H-05S1		TA-110	TG-S10	
C19	.01		TTD-01	DM-103	H-05S1		TA-110	TG-S10	
C20	.02		TTD-02	DDM-203	H-05S2		TA-120	TG-S20	
C21	.1		TTD-1	DA-104	H-05P1			TG-P10	
C22	.005		TTD-005	DDM-502	H-05D5			TH-D50	
C23	.05		TTD-05	DDA-503	H-05S5			TG-S50	
C24	.01		TTD-01	DM-103	H-05S1		TA-110	TG-S10	
C25	.01		TTD-01	DM-103	H-05S1		TA-110	TG-S10	

CONTROLS

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

ITEM No.	TYPE	RESISTANCE	REPLACEMENT DATA				
			TOSHIBA PART No.	GENERAL PART No.	CLANSTAT PART No.	CIB IRC PART No.	MALLORY PART No.
C1	Volume & Switch	10000	1000				

DESCRIPTIONS

RESISTORS

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

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	REMARKS			IRC PART No.	WORKMAN PART No.	REMARKS
R2	22K				R17	33K			
R3	6800Ω				R18	1800Ω			
R4	3900Ω				R19	22Ω			
R5	22K				R20	1500Ω			
R6	10K				R21	8200Ω			
R7	2200Ω				R22	33K			
R8	68K				R23	560Ω			
R9	5600Ω				R24	10K			
R10	330Ω				R25	4300Ω 5%			
R11	1000Ω				R26	270Ω			
R12	22K				R27	150Ω Cold			
R13	3900Ω				R28	3.3Ω 5%			
R14	470Ω				R29	8200Ω			
R15	470Ω				R30	100Ω			
R16	100K				R31	220Ω			

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		TOSHIBA PART No.	Merit PART No.	Miller PART No.	Stancor PART No.	Workman PART No.	
L1	Loopstick						
L2	Osc.						
L3	1st IF		BC-574				
L4	2nd IF		BC-575				
L5	3rd IF		BC-576				

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
	PRI.	SEC.	TOSHIBA PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	.8	1	0350A					

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	TOSHIBA PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	
T2	300Ω	6-8Ω	03120A					

SPEAKER

ITEM No.	TYPE			REPLACEMENT DATA		NOTES
	SIZE	FIELD	V. C. IMP.	TOSHIBA PART No.	QUAM PART No.	
SP1	2½"	PM	6-8Ω	2501 B		

BATTERIES

ITEM No.	VOLTAGE	TOSHIBA PART No.	REPLACEMENT DATA						NOTES
			BURGESS		EVEREADY		MALLORY		
			"A"	"B"	"A"	"B"	"A"	"B"	
M1	1½V	UM-3		930		1015		M-15R	4 Required

MISCELLANEOUS

ITEM No.	PART NAME	TOSHIBA PART No.	NOTES
M2 M3	Tuning Cap. Switch		2 Gang Tone

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid 22AWG) Available in 12 Colors
 8524 (Stranded 22AWG)
 8570 (Stranded 20AWG)