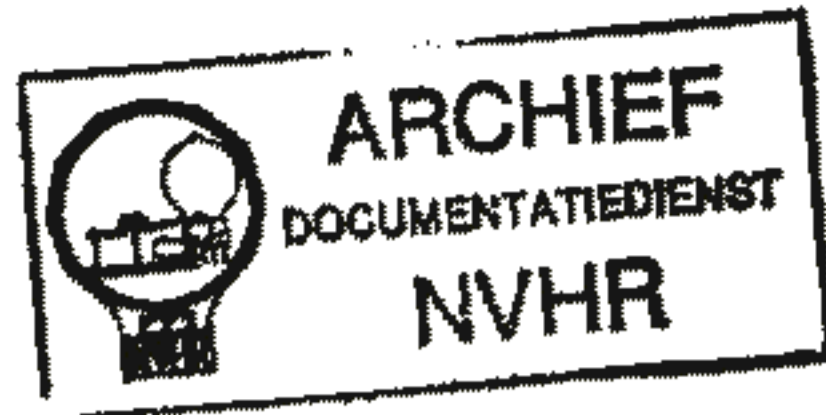




PHOTOFACT®

Met dank aan Jef Bos

Ned. Ver. v. Historie v/d Radio



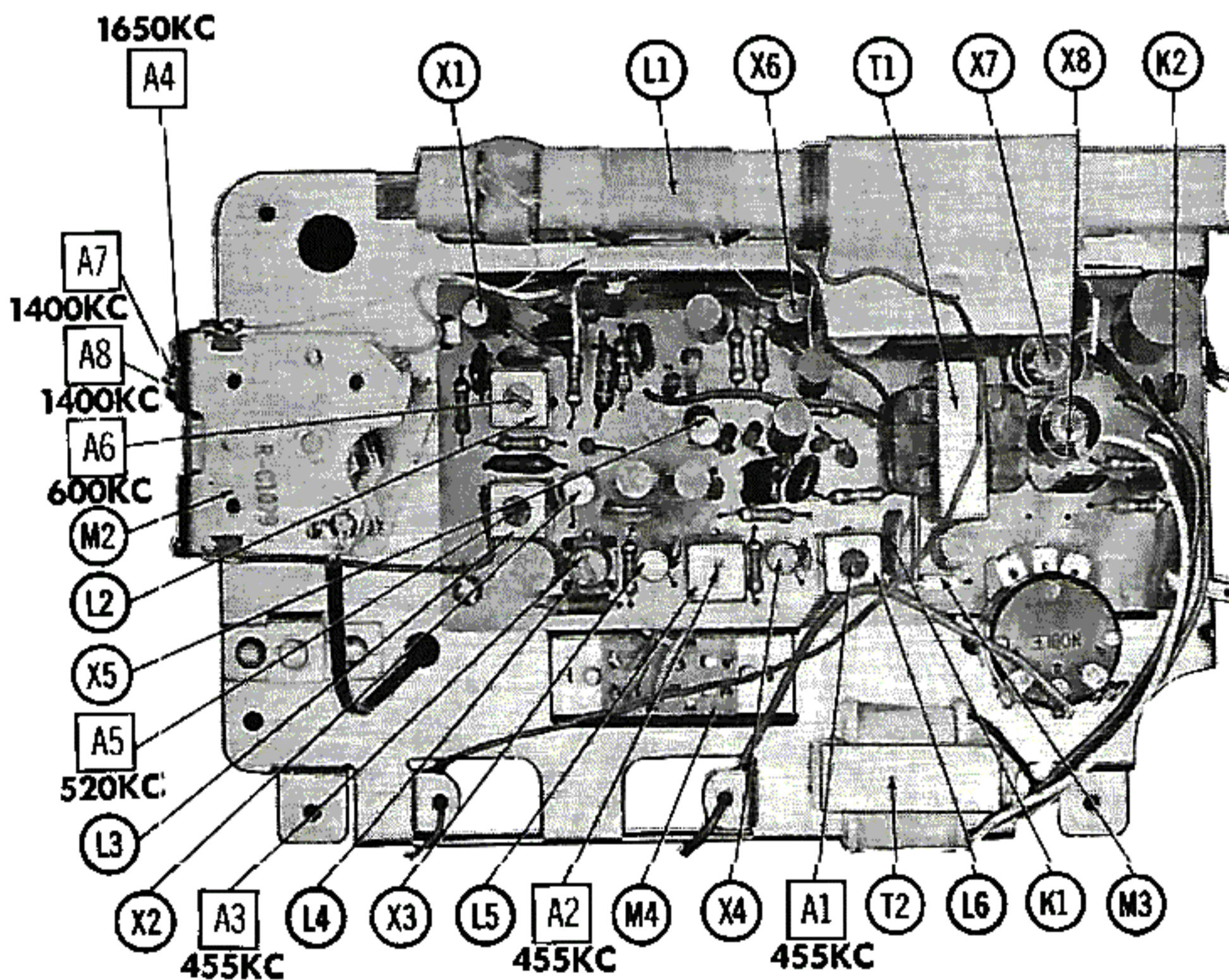
TRADE NAME: Channel Master Model 6520
 SUPPLIER: Channel Master Corp.
 Ellenville, New York
 TYPE SET: 8 Transistor AM Receiver
 POWER SUPPLY: 6 Volts DC
 RATING: 10MA @ 6VDC (No Signal, Min. Volume)
 30MA @ 6VDC (Signal, Normal Volume)
 TUNING RANGE: BROADCAST 520 - 1650KC



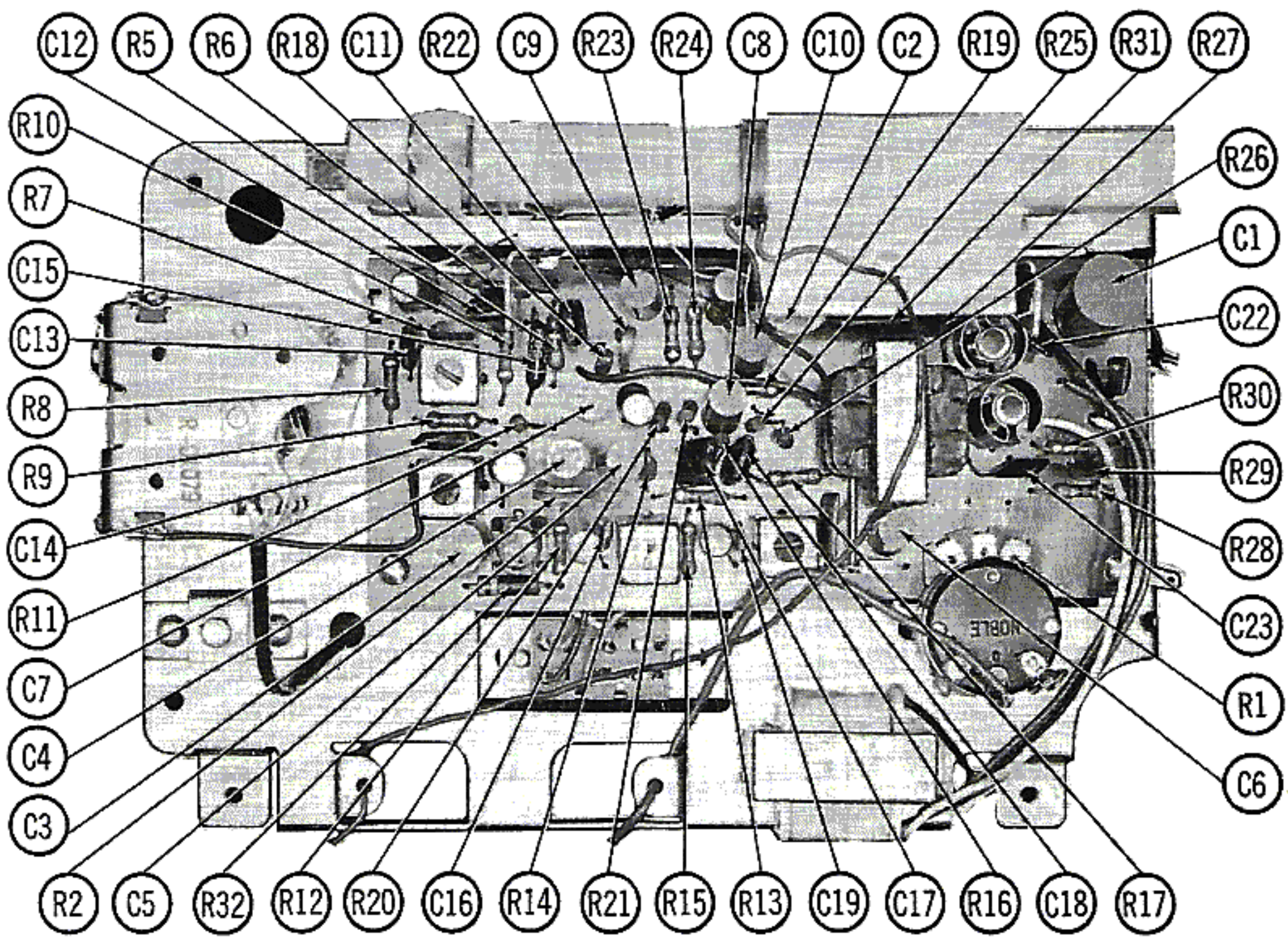
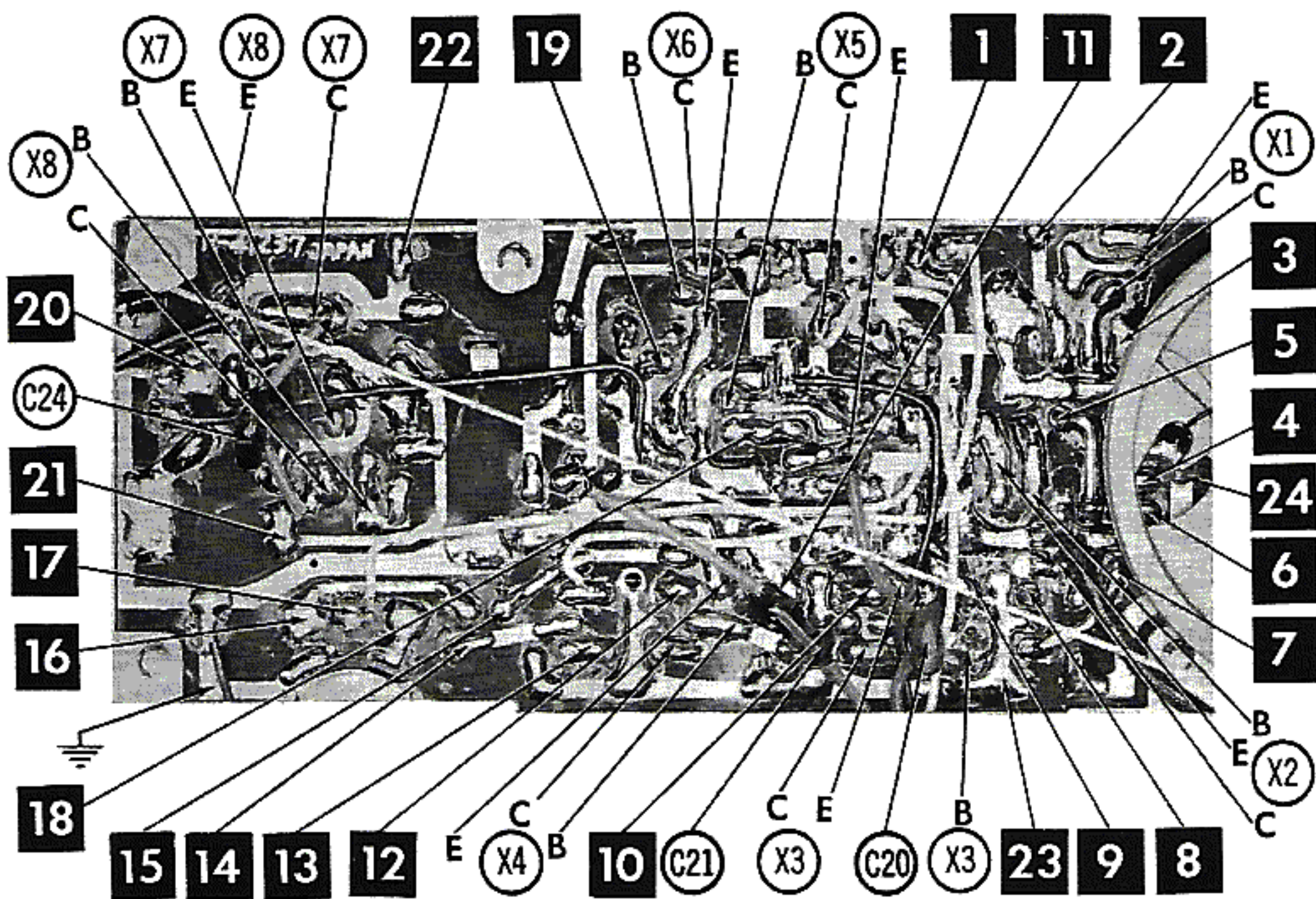
ALIGNMENT INSTRUCTIONS

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 thru A8..... GENERAL CEMENT #5000, 5066, 5067
 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.	1650KC	"	"	A4	Adjust for maximum.
3.	520KC	Tune to Signal.	"	A5	Rock tuning gang and adjust for maximum. Repeat steps 2 and 3.
4.	600KC	"	"	A6	Adjust for maximum.
5.	1400KC	"	"	A7, A8	"



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



WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid 22AWG) Available
8524 (Stranded 22AWG) in
8570 (Stranded 28AWG) 12 Colors

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	2SA72	RF Amp.	DS-25	GE-1	2N1527	PNP
X2	2SA29	Converter	DS-25	GE-1		PNP
X3	2SA49	1st IF Amp.	DS-25	GE-1	2N410	PNP
X4	2SA53	2nd IF Amp.	DS-25	GE-1	2N410	PNP
X5	2SB54	AF Amp.	DS-26	GE-2	2N406	PNP
X6	2SB54	Driver	DS-26	GE-2	2N406	PNP
X7	2SB22	Output	DS-26	GE-2	2N408	PNP
X8	2SB22	Output	DS-26	GE-2	2N408	PNP

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	Channel Master PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	200	6	R-C9083	BCD6200	ECPB121	MT1-24	MLV200-6	TT6X200	VL-1108
C2	200	6	R-C9083	BCD6200	ECPB121	MT1-24	MLV200-6	TT6X200	VL-1108
C3	100	6	R-C9082	BCD6100	ECPB117	MT1-18	MLV100-6	PET1400	VL-1100
C4	30	3	R-C9080	BCD3025	ECPB412	MT1-13	MLV30-6	PET130	VL-1043
C5	30	3	R-C9080	BCD3025	ECPB412	MT1-13	MLV30-6	PET130	VL-1043
C6	30	3	R-C9080	BCD3025	ECPB412	MT1-13	MLV30-6	PET130	VL-1043
C7	30	3	R-C9080	BCD3025	ECPB412	MT1-13	MLV30-6	PET130	VL-1043
C8	30	3	R-C9080	BCD3025	ECPB412	MT1-13	MLV30-6	PET130	VL-1043
C9	30	3	R-C9080	BCD3025	ECPB412	MT1-13	MLV30-6	PET130	VL-1043
C10	30	3	R-C9080	BCD3025	ECPB412	MT1-13	MLV30-6	PET130	VL-1043

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.
C11	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C12	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C13	.02		TTD-02	CK-203	H3		TA-120	TG-S20
C14	.001			DM-102				
C15	.005		TTD-005	CK-502	H1		TA-250	TG-D50
C16	15		NPO-D1 15	DTZ-15	C10Q15C	CCTO-150	CNO-415	10TCC-Q15
C17	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C18	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C19	12		NPO-D1 10	DTZ-10	C10Q12C	CCTO-120	CNO-412	10TCC-Q12
C20	.1mfd		TTD-1	CK-104	H6		TA-010	TG-P10
C21	500			DM-501				
C22	.005		TTD-005	CK-502	H1		TA-250	TG-D50
C23	.005		TTD-005	CK-502	H1		TA-250	TG-D50
C24	.05		TTD-05	CK-503	H5		TA-150	TG-S50

CONTROLS

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

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA					
			Channel Master PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.	
R1	Volume & Switch	5000Ω	R-R12445a	F2-5000, KR-1, SW204 or (B11, KR-1)			Q13-114, 76-1	UA53A, SL3500, US41, or (RU53A, SL3500, US41, SL38) or U-12, US26)
R2	IF Bias	40K	R-R11006					

DESCRIPTION

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		Channel Master PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	Loopstick	R-88496					
L2	RF	R-W4018					
L3	Osc.	R-W8077					
L4	1st IF	R-W5T056	BC-574	2086	RTC-9266		
L5	2nd IF	R-W5T009	BC-575	2087	RTC-9267		
L6	3rd IF	R-W5T043	BC-576	2088	RTC-9268		

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA				NOTES
	PRI.	SEC.	Channel Master PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	
T1	1	1	R-W6187				

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	Channel Master PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	
T2	120Ω CT	8-10Ω	R-W6204				

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		Channel Master PART No.	QUAM PART No.	
SP1	5" x 7" PM 8-10Ω	R-S6201		

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	Channel Master PART No.	REPLACEMENT DATA
K1	Diode RF Filter	.01mfd, .01mfd, 200Ω	R-CXC002	
K2	Feedback	.02mfd, 400Ω	R-CXC009	

BATTERIES

ITEM No.	VOLTAGE	Channel Master PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	6		230 (or AL-2)	A100 (or E95)	M-13R (or MN1300)	4 Required

MISCELLANEOUS

ITEM No.	PART NAME	Channel Master PART No.	NOTES
M2	Tuning Cap.	R-C1079	
M3	Detector (1N60)		
M4	Tone Switch	R-84106	

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob, Tuning, Volume	R-33192	Cabinet Back	R-31474
Cabinet Front	R-81475		