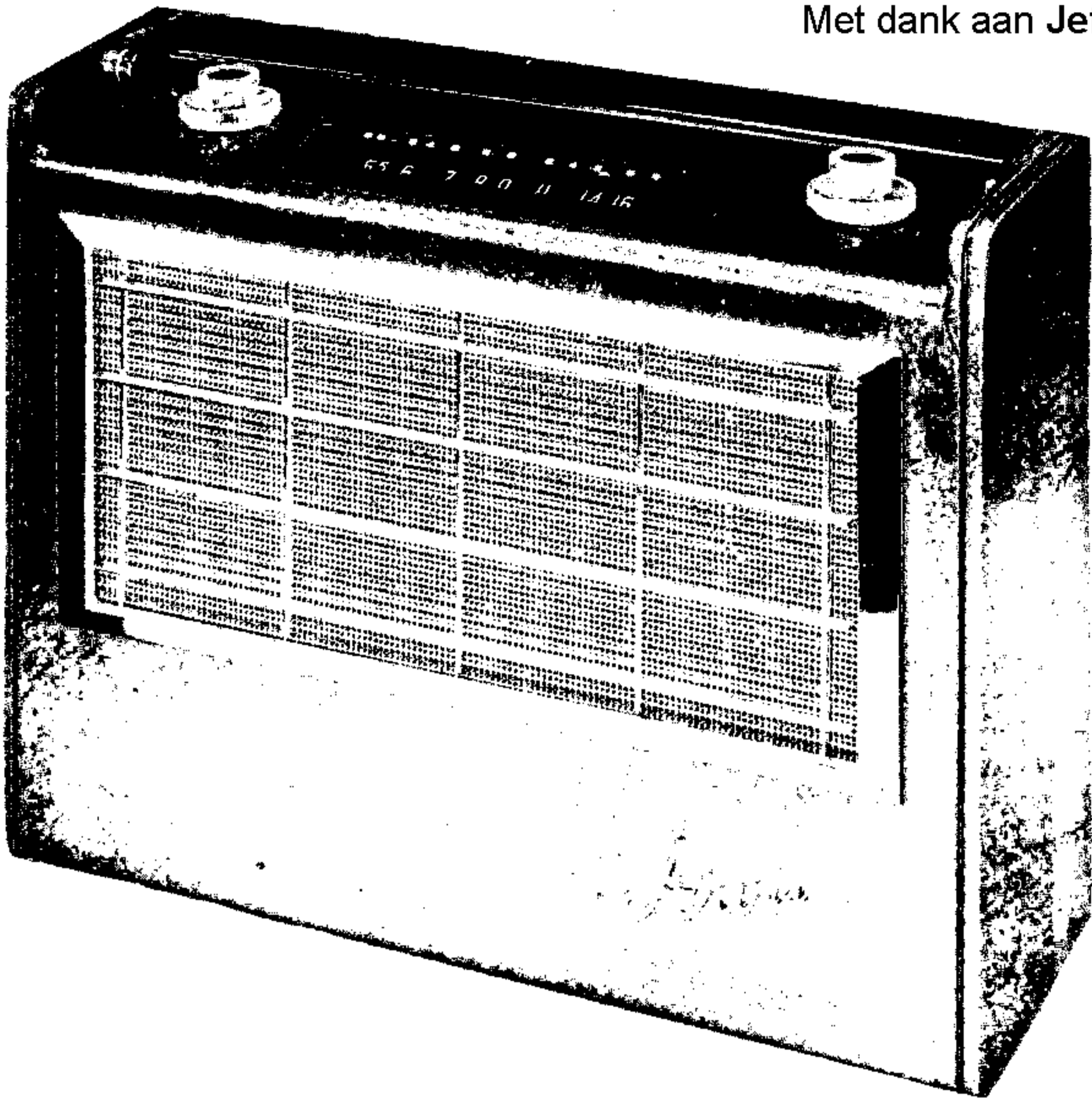




Met dank aan Jef Bos



TRADE NAME	Arvin Model 9562 (Ch. 1.40900)					
MANUFACTURER	Arvin Industries, Inc., Columbus, Ind.					
TYPE SET	Battery Operated Portable AM Transistorized Receiver					
POWER SUPPLY	7.5 Volts DC Positive Supply		RATING		6MA @ 7.5 Volts DC	
	1.5 Volts DC Negative Supply				2MA @ 1.5 Volts DC	
TUNING RANGE—BROADCAST	540KC - 1670KC					
<b>ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT</b>						
Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.						
To set pointer, turn tuning capacitor fully closed and set pointer to last reference mark at low frequency end of dial.						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1. .05MFD	High side to antenna stator lug on tuning gang. Low side to chassis.	455KC (400% Mod)	Tuning gang fully open.	Across voice coil.	A1, A2, A3, A4	Adjust for maximum output.
2.	Loop	1670KC	"	"	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
3.	"	1400KC	Tune to 1400KC signal.	"	A6	"

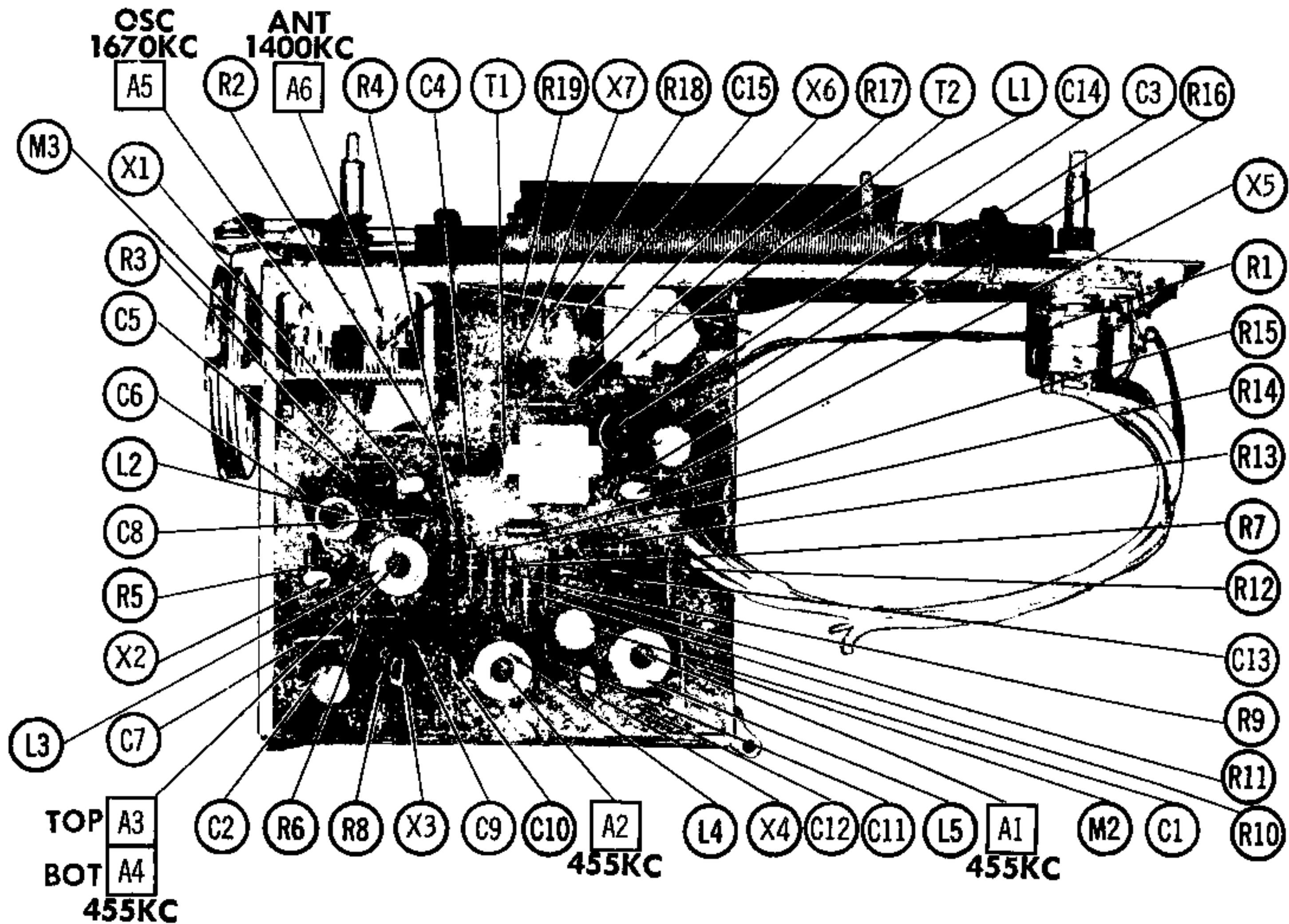
Ned. Ver. v. Histori



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CHASSIS TOP VIEW

# PARTS LIST AND DESCRIPTIONS

## TRANSISTORS

ITEM No.	USE	TYPE	NOTES
X1	Mixer	2N212	
X2	Oscillator	2N211	
X3	1st IF Amplifier	2N94	
X4	2nd IF Amplifier	2N94	

ITEM No.	USE	TYPE	NOTES
X5	AF Amplifier	2N36	
X6	Output	2N214	
X7	Output	2N214	

## ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	ARVIN PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.	SPRAGUE PART No.
C1	10	10	44279-3	SRE25V10	BBR10-25	TC22	ML10-15	MMT-0210	TE-1114
C2	50	10	44279-2	SRE12V50	BBR50-15	TC29			R2279*
C3	50	10	44279-2	SRE12V50	BBR50-15	TC29			R2279*

\* Non catalog item.

## 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		REPLACEMENT DATA						NOTES
	CAP.	VOLT	ARVIN PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	MALLORY PART No.	
C4	20000		43956	BPD-02	DD-203	K085	ED-02	DC522	5HK-S2
C5	20000			BPD-02	DD-203	K085	ED-02		5HK-S2
C6	20000			BPD-02	DD-203	K085	ED-02		5HK-S2
C7	2000			BPD-002	DD-202	K072	ED-002		5HK-D2
C8	20000			BPD-02	DD-203	K085	ED-02		5HK-S2
C9A	20000			BPD-2X02	DD-203	K085	ED-02		5HK-2S2
B	20000				DD-203	K085	ED-02		
C10	9					Z017			
C11A	20000			BPD-2X02	DD-203	K085	ED-02		5HK-2S2
B	20000				DD-203	K085	ED-02		
C12	24				TCZ-24	Z025	TCO-24		
C13	50000			BPD-06					
C14	.1	200		P288N-1	DF-104	CUB2P1	ACE401	2SE-P1	
C15	20000			BPD-02	DD-203	K085	ED-02	5HK-S2	

## CONTROLS

ITEM No.	RATING		REPLACEMENT DATA				INSTALLATION NOTES	
	RESISTANCE	WATTS	ARVIN PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.		MALLORY PART No.
RIA	2200Ω	1/2	43816				UF252L	Tone Volume
B	2200Ω						UR252L	
C	Switch						US-27	

## RESISTORS

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

ITEM No.	RATING		REPLACEMENT DATA		NOTES
	OHMS	WATT	ARVIN PART No.	IRC PART No.	
R2	2200Ω			BTS-2200	
R3	470Ω			BTS-470	
R4	1000Ω			BTS-1000	
R5	1000Ω			BTS-1000	
R6	3900Ω 5%			BTS-3900 5%	
R7	1000Ω			BTS-1000	
R8	820Ω 5%			BTS-820 5%	
R9	1000Ω			BTS-1000	
R10	1800Ω			BTS-1800	

ITEM No.	RATING		REPLACEMENT DATA		NOTES
	OHMS	WATT	ARVIN PART No.	IRC PART No.	
R11	1000Ω			BTS-1000	
R12	220Ω			BTS-220	
R13	3900Ω 5%			BTS-3900 5%	
R14	47K			BTS-47K	
R15	220Ω			BTS-220	
R16	1200Ω			BTS-1200	
R17	5600Ω 5%			BTS-5600 5%	
R18	82Ω			BTS-82	
R19	10Ω			BTS-10	

# PARTS LIST AND DESCRIPTIONS (Continued)

## TRANSFORMER (INPUT)

ITEM No.	RESISTANCE		REPLACEMENT DATA					NOTES	
			ARVIN PART No.	Haldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.		Triad PART No.
	PRI.	SEC.							
T1	540Ω	230Ω CT	43885						
	Turns Ratio 2.5 : 1								

## TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES	
			ARVIN PART No.	Haldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.		Triad PART No.
	PRI.	SEC.							
T2	700Ω CT	3-4Ω	43884				TR-29		

## SPEAKER

ITEM No.	TYPE			REPLACEMENT DATA		NOTES
				ARVIN PART No.	QUAM PART No.	
	SIZE	FIELD	V. C. IMP.			
SP1	5 1/4"	PM	3-4Ω	43999	52A1	

## COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		ARVIN PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	
L1	Loop Stick	44067-1				
L2	Osc. Coil	44068-1				
L3	1st IF Trans.	43872				
L4	2nd IF Trans.	43873				
L5	3rd IF Trans.	43960				

## BATTERIES

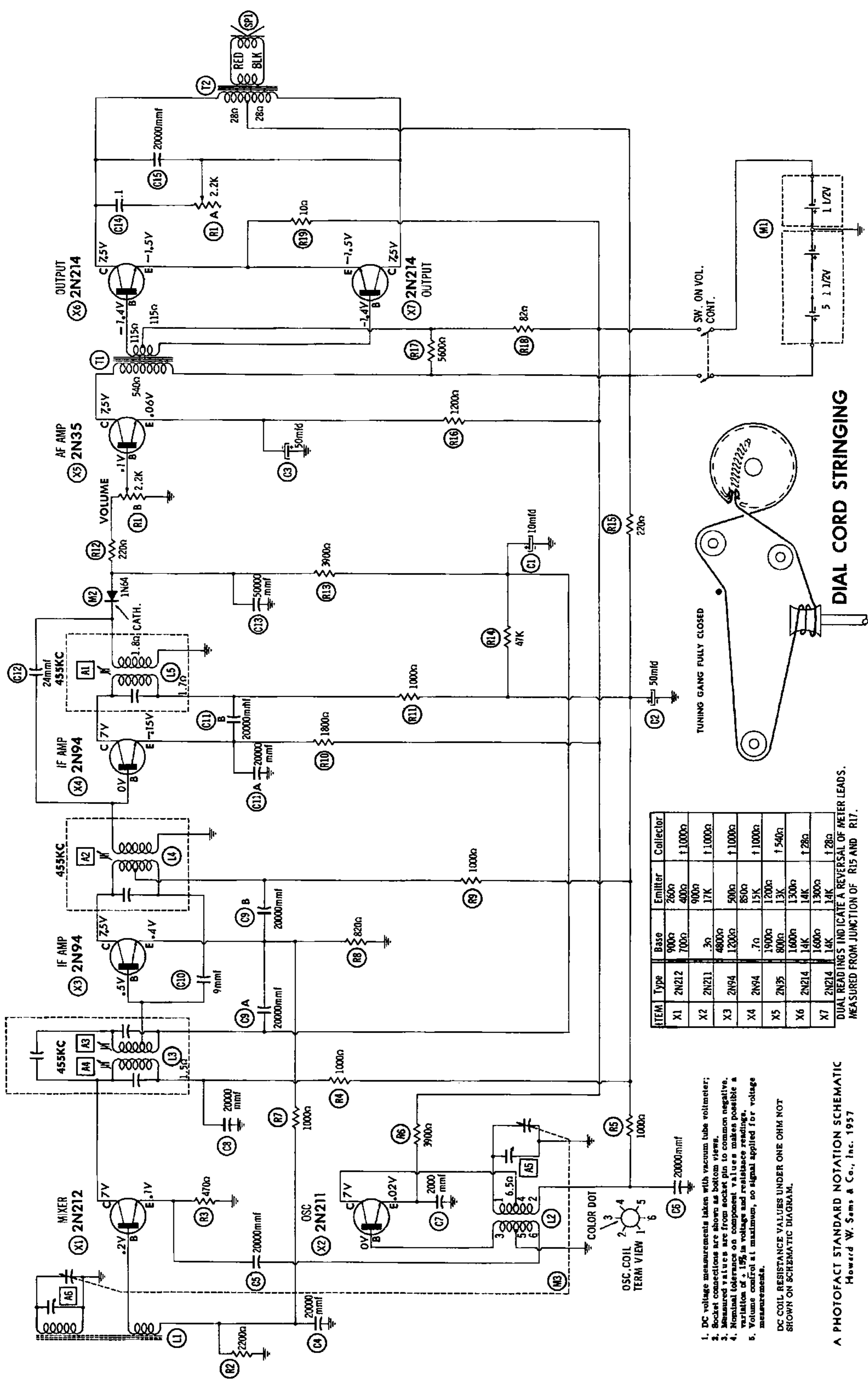
ITEM No.	VOLTAGE	ARVIN PART No.	REPLACEMENT DATA						INSTALLATION NOTES
			EVEREADY			BURGESS			
			"A"	"B"	"A-B"	"A"	"B"	"A-B"	
M1	1 1/2V			950				2R	Requires 6

## CRYSTAL DIODES

ITEM No.	ORIG. TYPE	REPLACEMENT DATA		NOTES
		ARVIN PART No.	SYLVANIA PART No.	
M2	1N64		1N60	Detector (Plgtail)

## MISCELLANEOUS

ITEM No.	PART NAME	ARVIN PART No.	NOTES
M3	Tuning Cap. Cabinet Cabinet Knob Knob Pointer Handle	43989 44035-88 44035-20 44054 44055 44114 43696-1	2 Gang British Tan. Includes Dial Crystal and Nameplate. Alligator. Includes Dial Crystal and Nameplate. Tuning and Tone Dial Change & On-Off-Volume



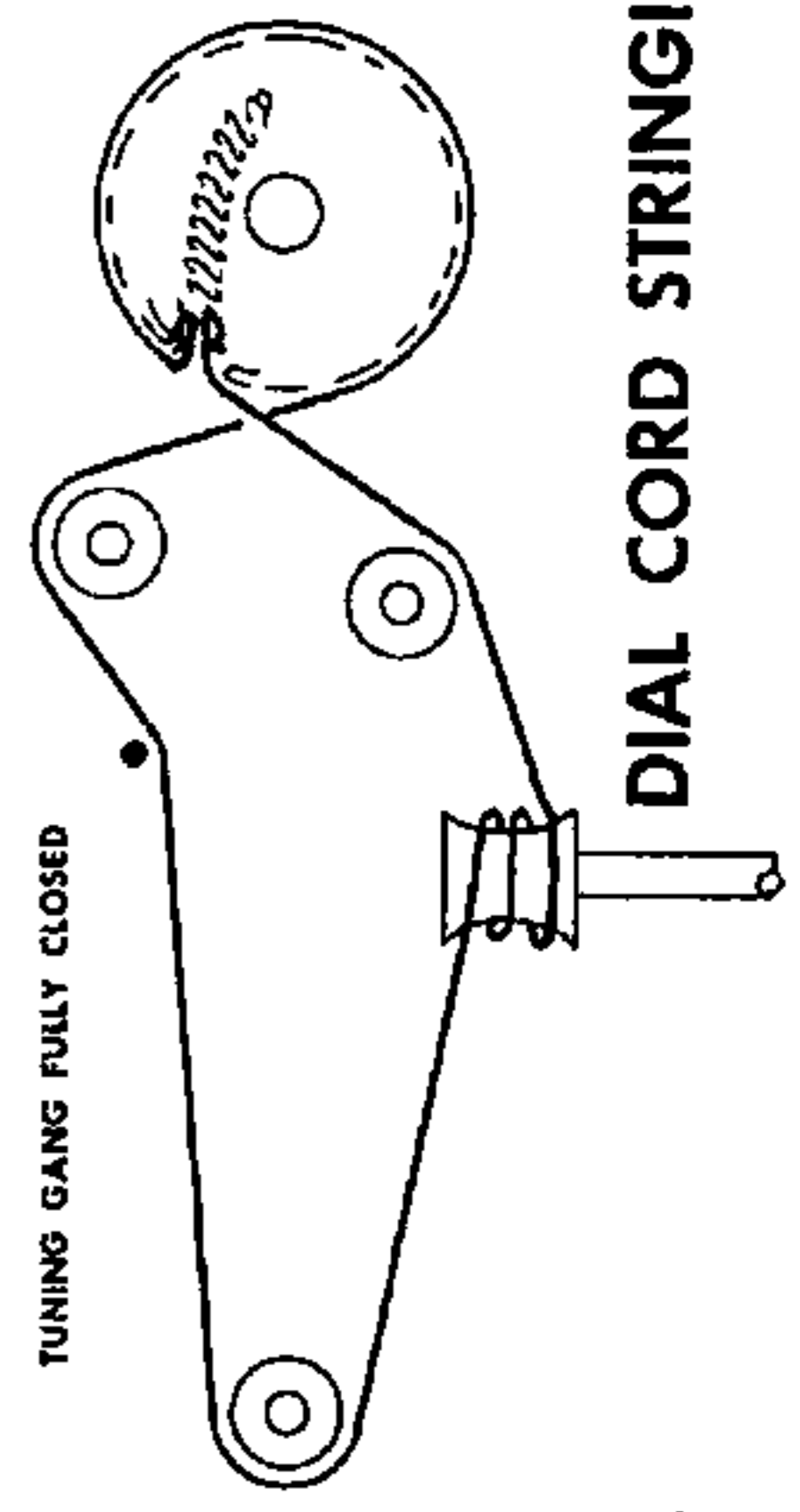
ITEM	Type	Base	Emitter	Collector
X1	2N212	900Ω	260Ω	†1000Ω
X2	2N211	.3Ω	900Ω	†1000Ω
X3	2N94	4800Ω	400Ω	†1000Ω
X4	2N94	.7Ω	850Ω	†1000Ω
X5	2N35	1900Ω	15K	†1000Ω
X6	2N214	1600Ω	1300Ω	†540Ω
X7	2N214	14K	14K	†28Ω

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 negative.
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.

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

A PHOTOFACT STANDARD NOTATION SCHEMATIC  
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DIAL READINGS INDICATE A REVERSAL OF METER LEADS.  
MEASURED FROM JUNCTION OF R15 AND R17.



DIAL CORD STRINGING