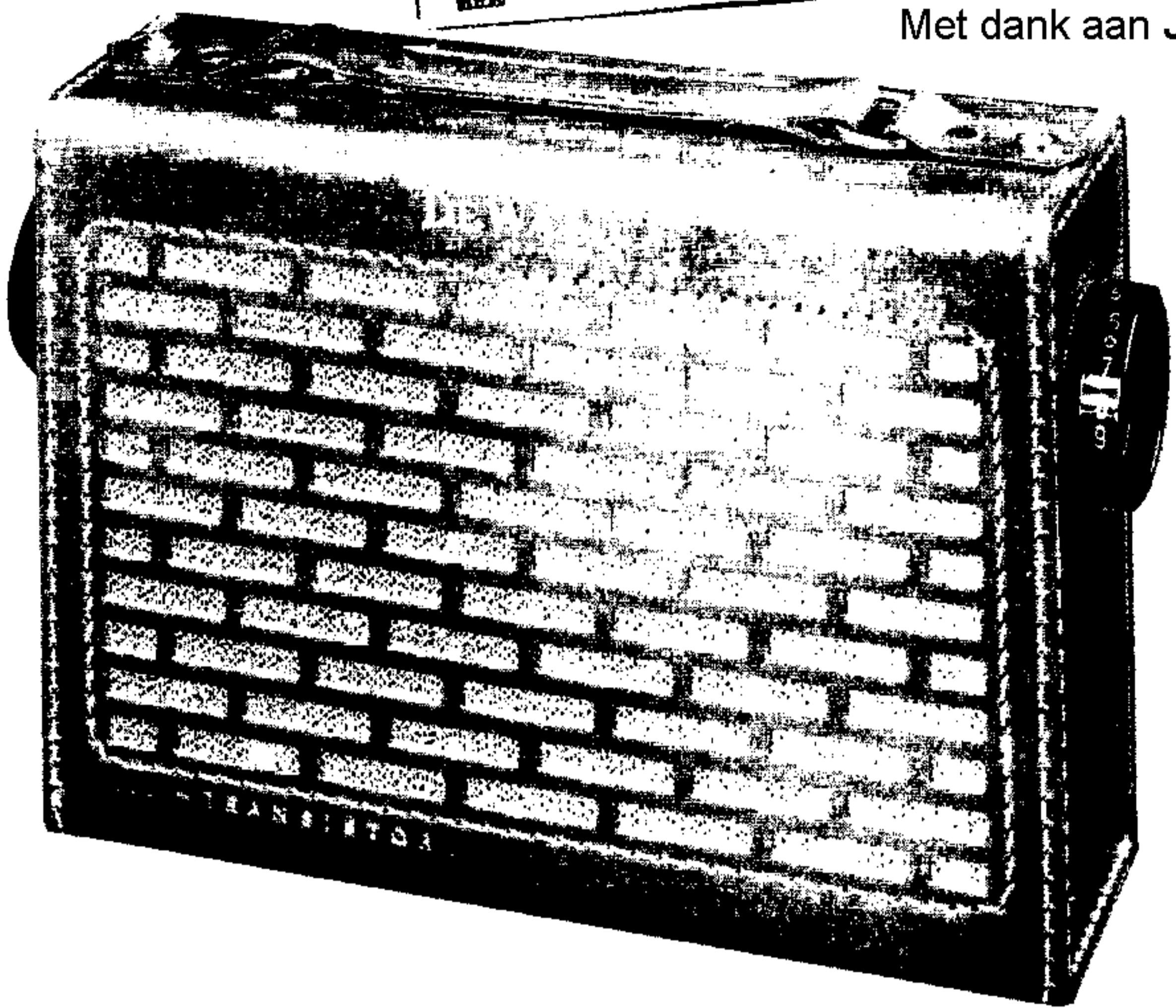


PHOTOFACT\* Folder



DEWALD  
MODEL L-703

Met dank aan Jef Bos



TRADE NAME	Dewald Model L-703	
MANUFACTURER	Dewald Radio Mfg. Corp., 35-15 37th Ave., Long Island City 1, N. Y.	
TYPE SET	Battery Operated Portable AM Transistorized Receiver	
POWER SUPPLY	9 Volts DC	RATING
TUNING RANGE—BROADCAST	540-1650KC	7.6MA@9 Volts DC(No Signal, Min Volume) 11MA@9 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. Use an insulated alignment screwdriver for adjusting.						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1.	Loop	455KC (400% Mod.)	Tuning Gang Fully Open	Across Voice Coil	A1, A2, A3	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
2.	"	1600KC	1600KC	"	A4	"
3.	"	600KC	600KC	"	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output while rocking gang thru. Repeat Steps 2 and 3
4.	"	1400KC	Tune For 1400KC Signal	"	A6	"

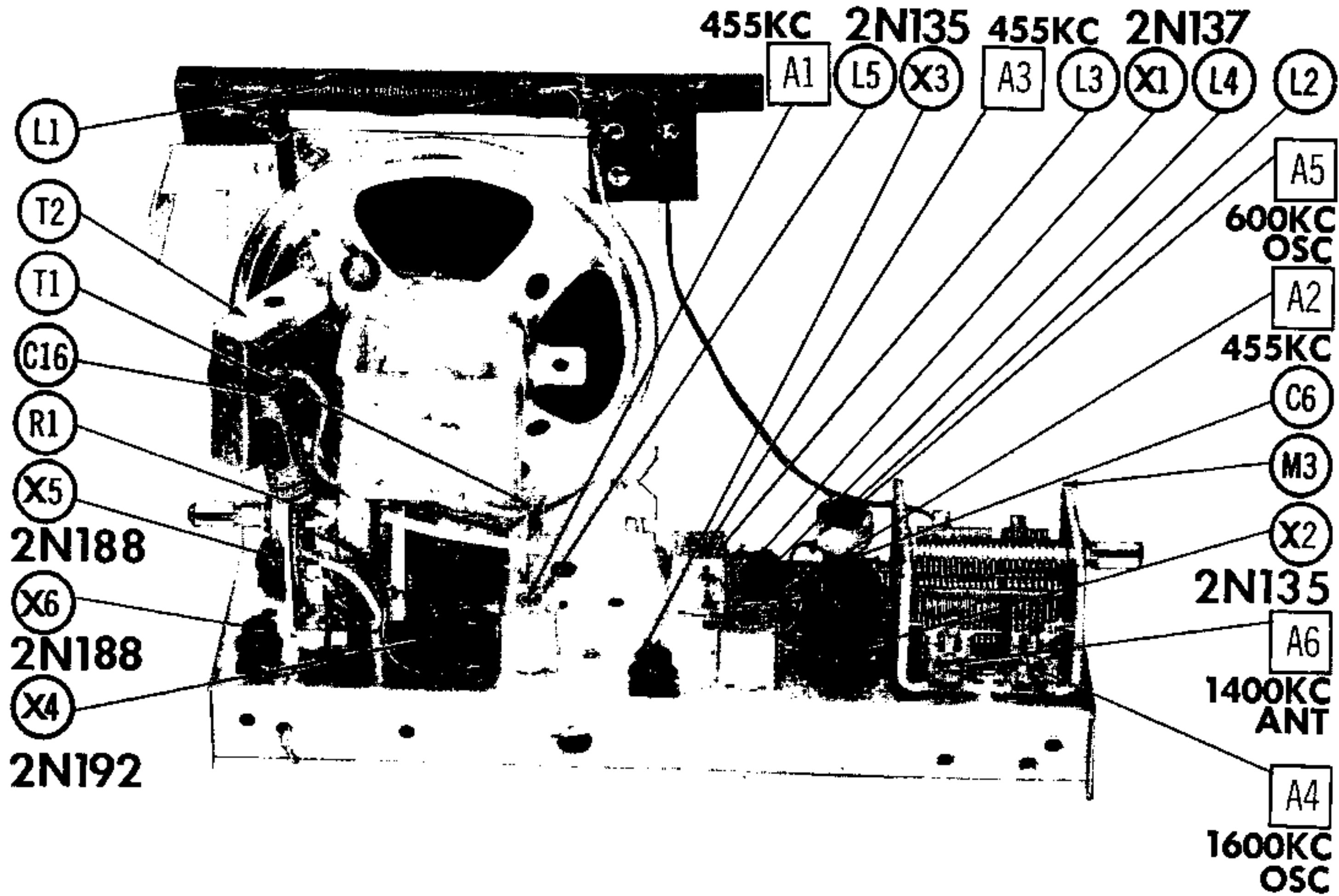
**HOWARD W. SAMS & CO., INC. • Indianapolis 5, Indiana**

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 H689

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. © 1958 Howard W. Sams & Co., Inc., Indianapolis 5, Indiana. Printed in U.S. of America



**CHASSIS—TOP VIEW**



# PARTS LIST AND DESCRIPTIONS (Continued)

## COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		DEWALD PART No.	Meissner PART No.	Merit PART No.	Miller PART No.	Ram PART No.	
L1	Loop Stick	L-150					
L2	Osc. Coil	O-149	14-9010	BC-403	2022		
L3	1st IF	I-139-1	16-9002		9-C1		
L4	2nd IF	I-139-2	16-9002		9-C2		
L5	3rd IF	I-139-3	16-9014		9-C2		

## TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
			DEWALD PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	
T1	2	: 1	T-1204					

## TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA						NOTES
			DEWALD PART No.	Halldorson PART No.	Merit PART No.	Ram PART No.	Stancor PART No.	Thordarson PART No.	
T2	850Ω CT	3-4Ω	38073-1						

## SPEAKER

ITEM No.	TYPE			REPLACEMENT DATA		NOTES
				DEWALD PART No.	QUAM PART No.	
SPI	4"	PM	3-4Ω	S-715	4A07	

## BATTERIES

ITEM No.	VOLTAGE	DEWALD PART No.	REPLACEMENT DATA						NOTES
			BURGESS		EVEREADY		MALLORY		
			"A"	"B"	"A"	"B"	"A"	"B"	
M1	9V			D8		276		M-1603	

## CRYSTAL DIODES

ITEM No.	ORIG. TYPE	REPLACEMENT DATA			NOTES
		DEWALD PART No.	CBS PART No.	SYLVANIA PART No.	
M2	1N60①		1N60	1N295	Detector (Pigtail)

① Alternate type 1N295

## MISCELLANEOUS

ITEM No.	PART NAME	DEWALD PART No.	NOTES
M3	Tuning Cap	V-217-3	Two-Gang (Ant. 35-395mmf, Osc. 17-108mmf)

## CABINETS & CABINET PARTS

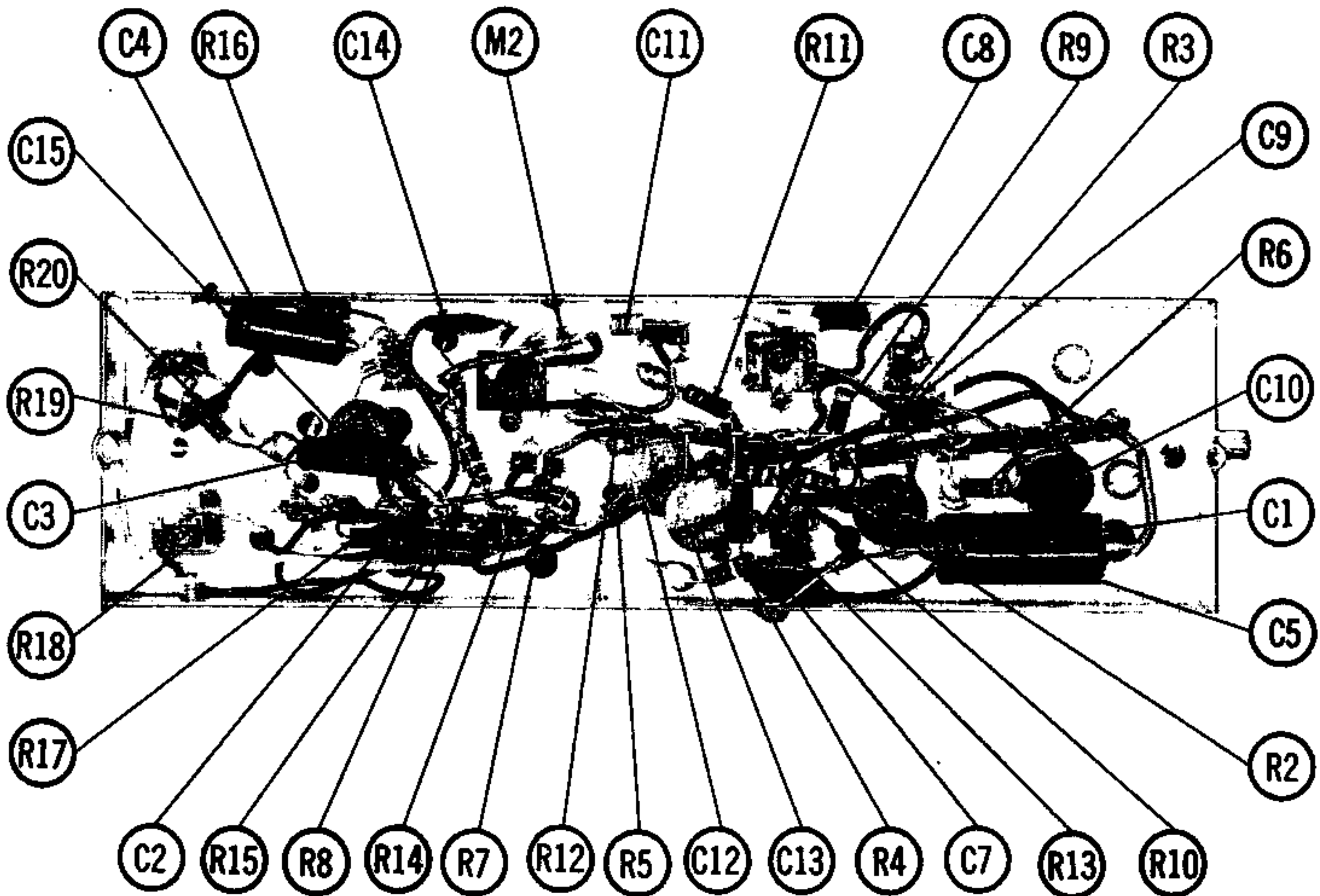
(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

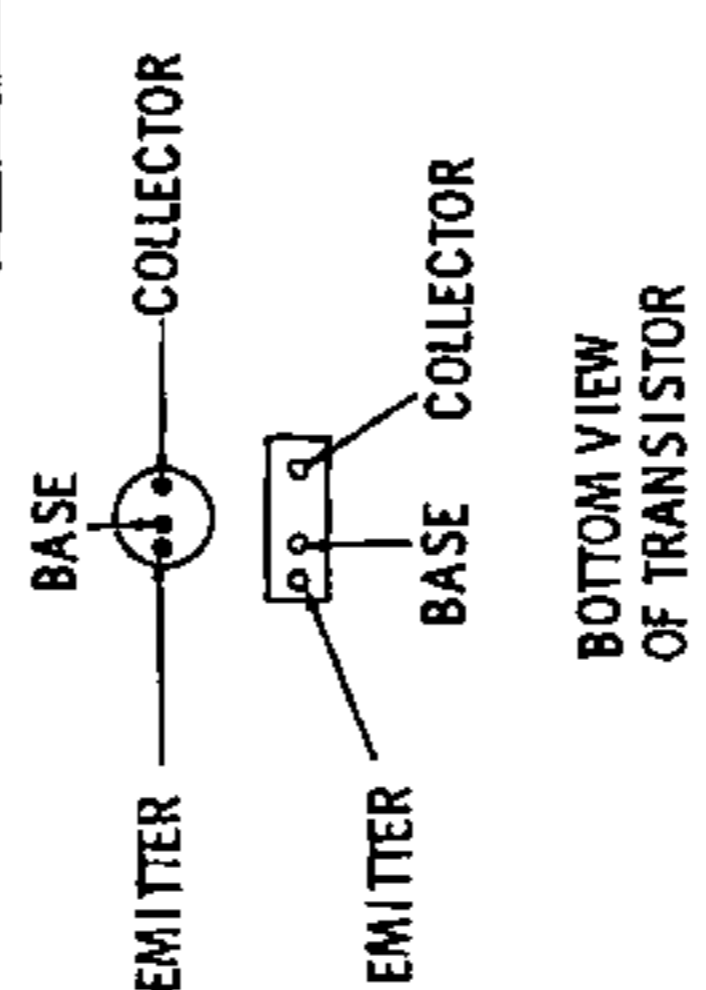
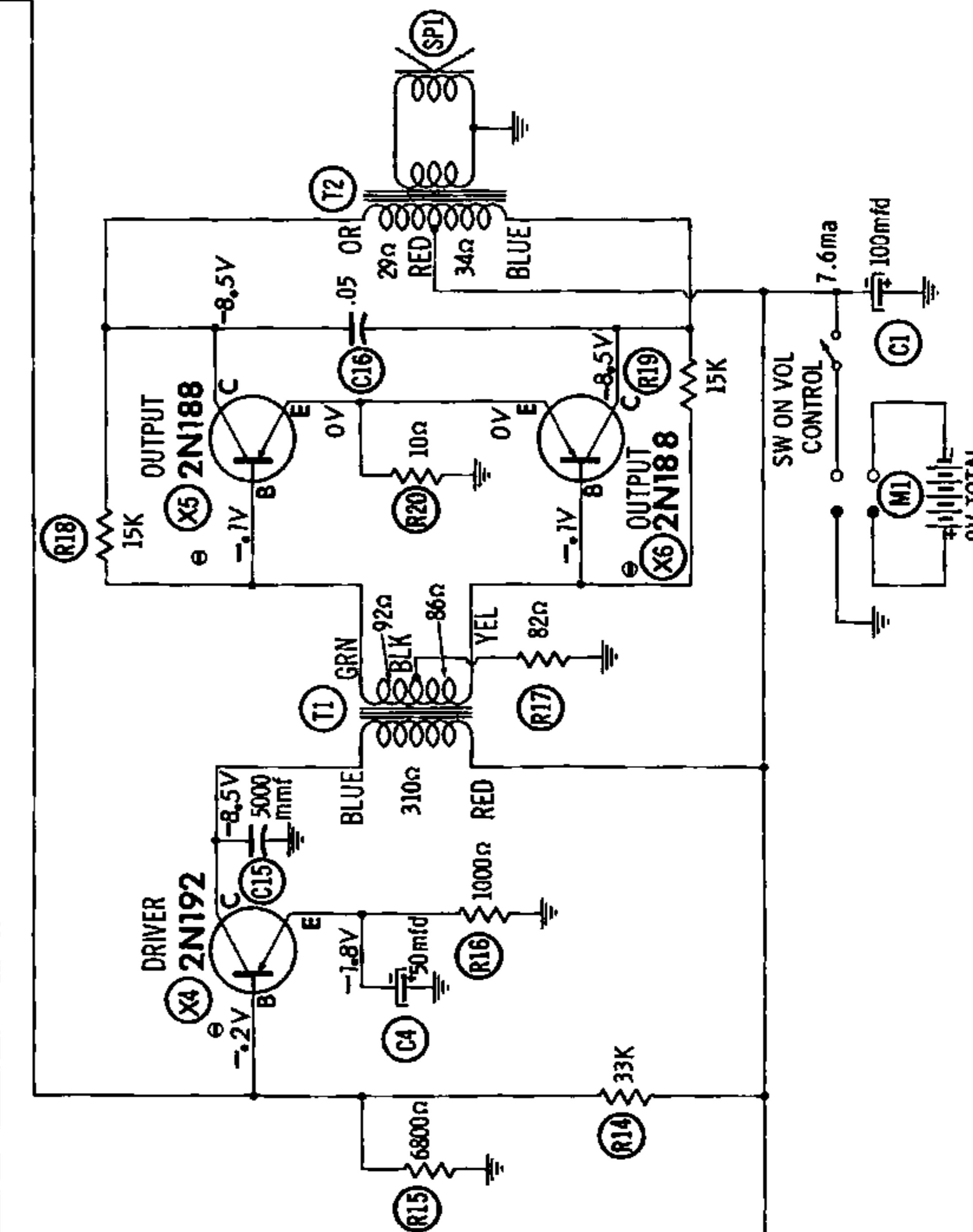
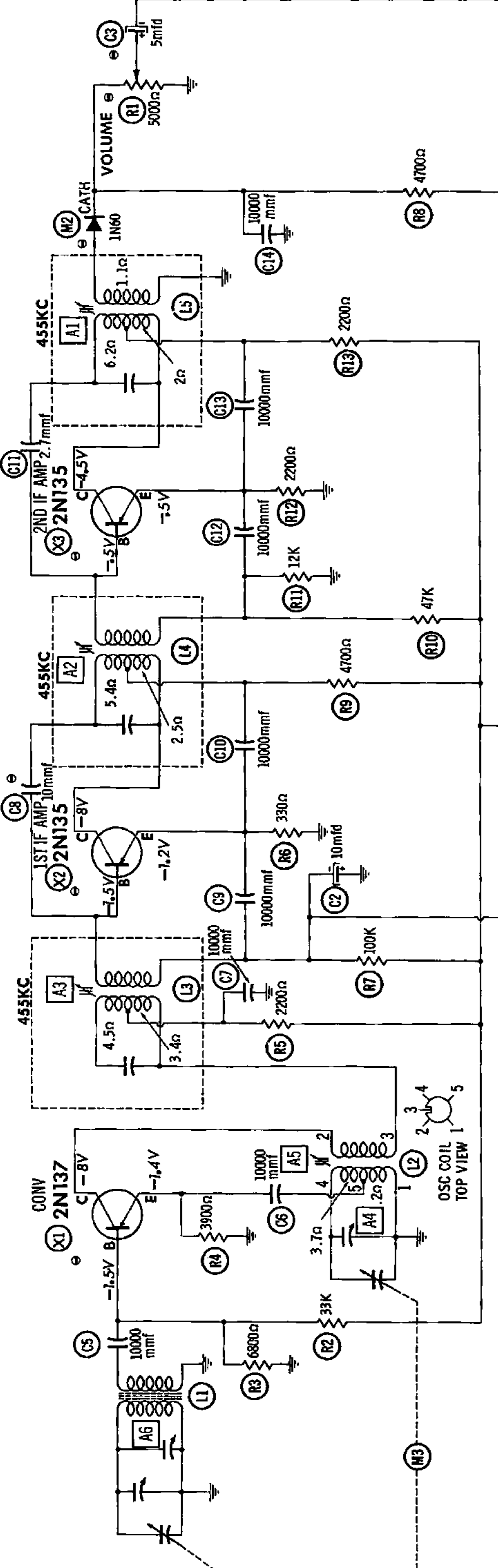
NAME	PART NO.	DESCRIPTION
Knob	K-452-4	Volume Tuning
Knob	K-467	
Cabinet	C-461	

## WIRING DATA

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

**CHASSIS—BOTTOM VIEW**





RESISTANCE READINGS

ITEM	TYPE	BASE	EMITTER	COLLECTOR
X1	2N137	5800Ω	3900Ω	† 2200Ω
X2	2N135	8700Ω	330Ω	† 4700Ω
X3	2N135	10K	2200Ω	2200Ω
X4	2N192	5700Ω	1000Ω	† 310Ω
X5	2N188	175Ω	10Ω	† 29Ω
X6	2N188	160Ω	10Ω	† 34Ω

TRANSISTORS REMOVED FOR RESISTANCE MEASUREMENTS.  
 † MEASURED FROM NEGATIVE TERMINAL OF C1.

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.

SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

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

A PHOTOFAC STANDARD NOTATION SCHEMATIC  
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