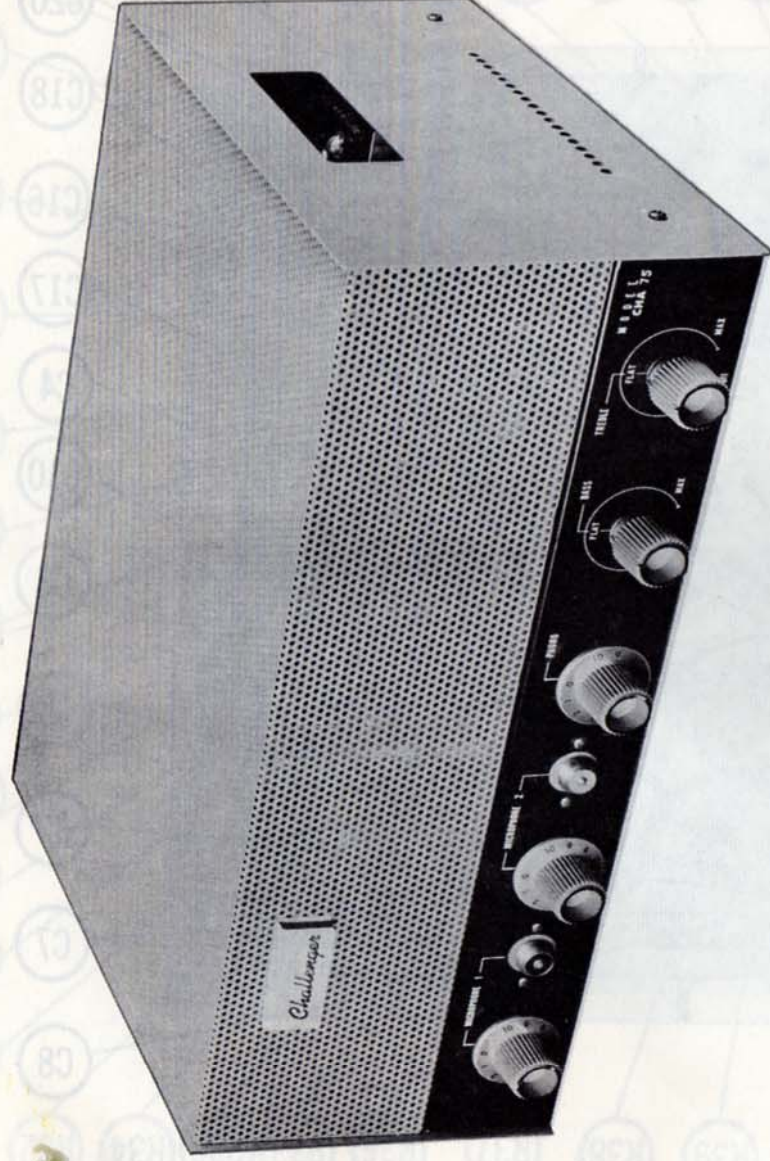




PHOTOFACT* Folder

CHALLENGER MODEL
CHA75CHALLENGER MODEL
CHA75CHALLENGER MODEL
CHA75

TRADE NAME Challenger Model CHA75

MANUFACTURER Challenger Amplifier Co., P. O. Box 500, Paramus, N. J.

TYPE SET AC Operated 3 Channel 75 Watt Audio Amplifier

TUBES (Eleven) Types 12AX7/ECC83 Mic Preamplifier, 6AU6 AF Amplifier, 6U8 AF Amp. -Phase Inv., (4) 6AV5GA Output, 6CM7 Volt. Reg. -Volt Cont., (3) 5Y3GT Rectifier

POWER SUPPLY 110-120 Volts AC-60 Cycles RATING 1.1 Amp. @ 117 Volts AC (125 Watts)

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 H362

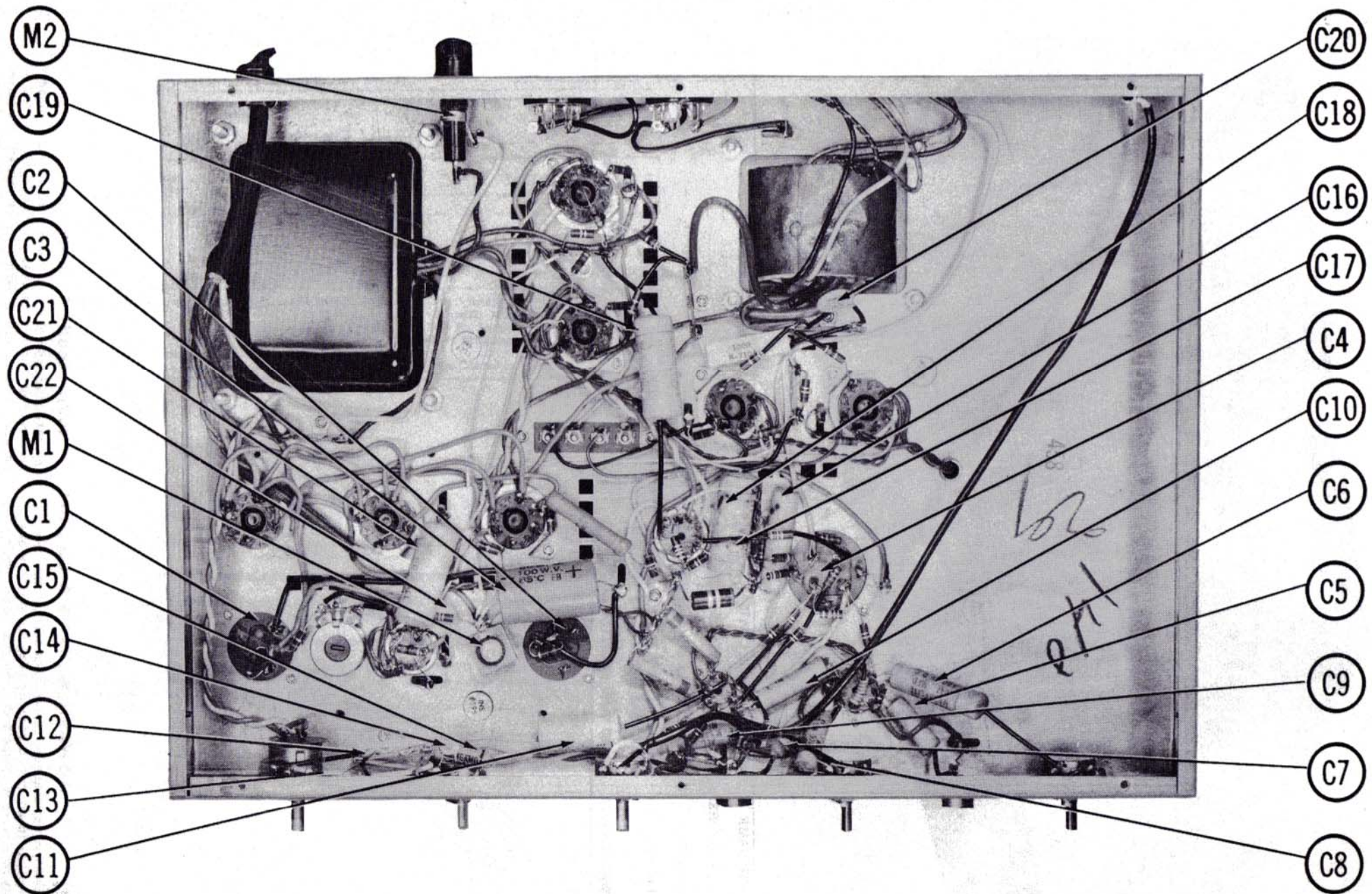
the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1958 Howard W. Sams & Co., Inc., Indianapolis 5, Indiana. Printed in U. S. of America

DATE 4 -58

SET 395

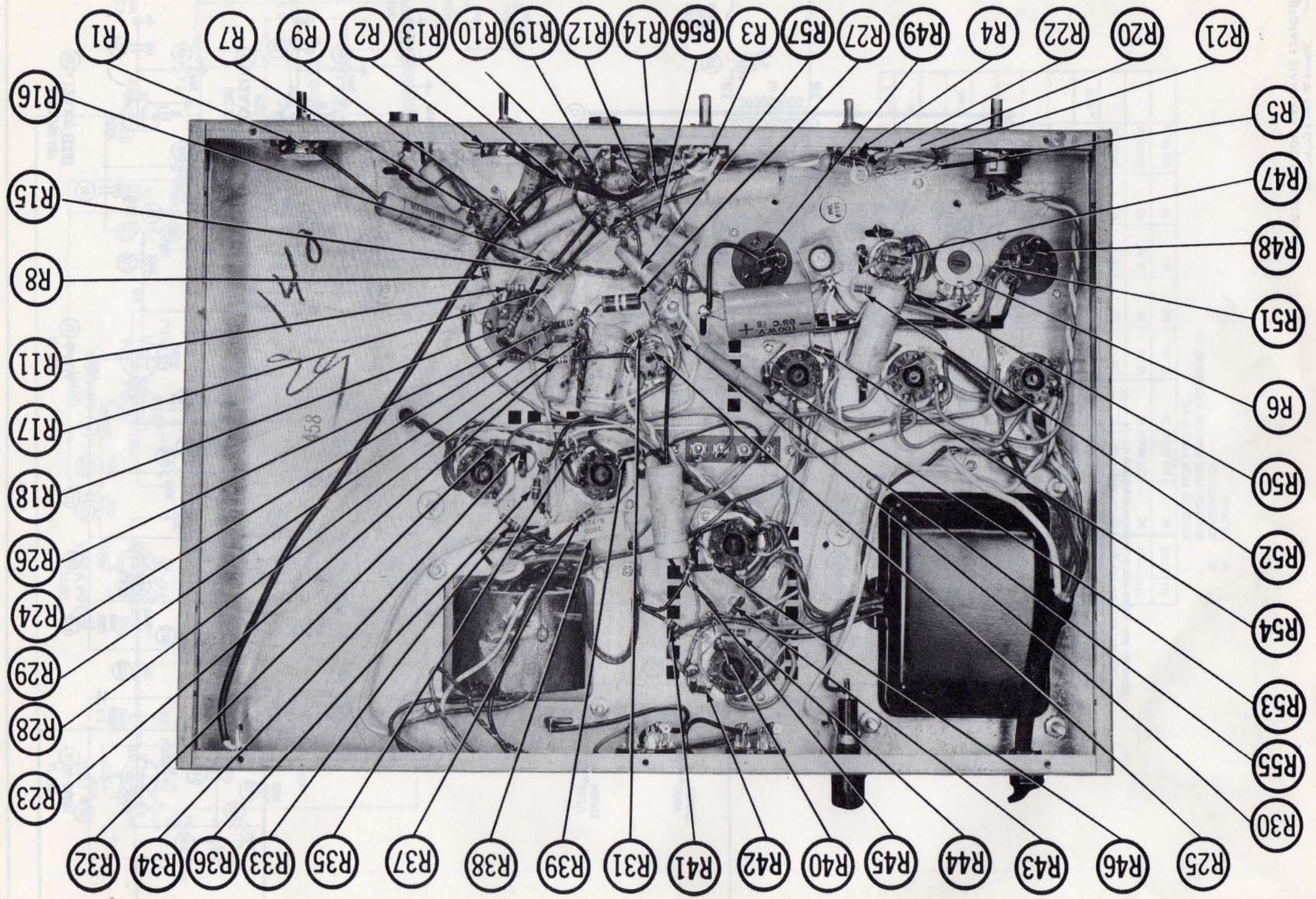
FOLDER 7

SET 395 FOLDER 7

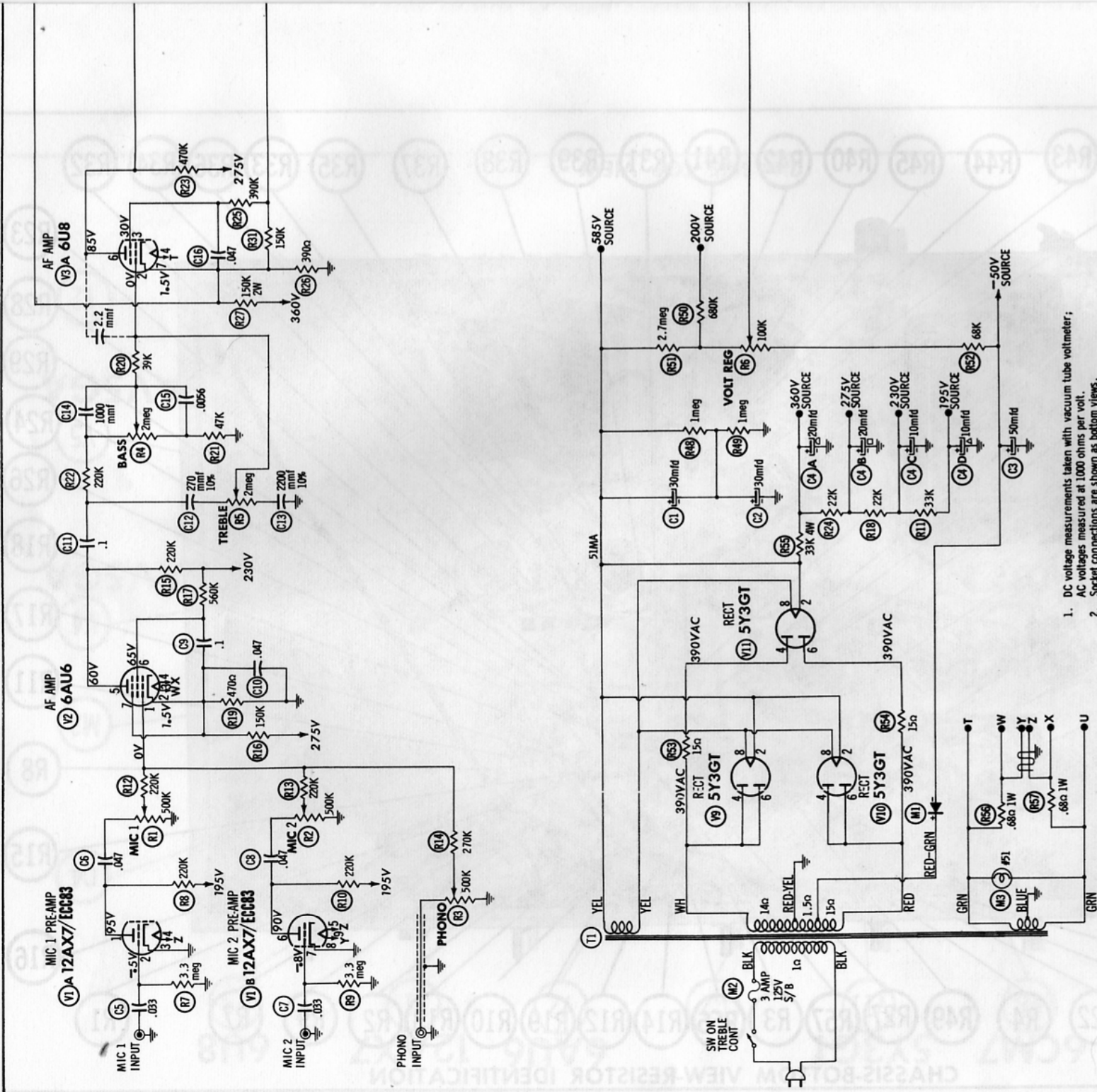


CHASSIS-BOTTOM VIEW-CAPACITOR IDENTIFICATION

CHASSIS-BOTTOM VIEW-RESISTOR IDENTIFICATION

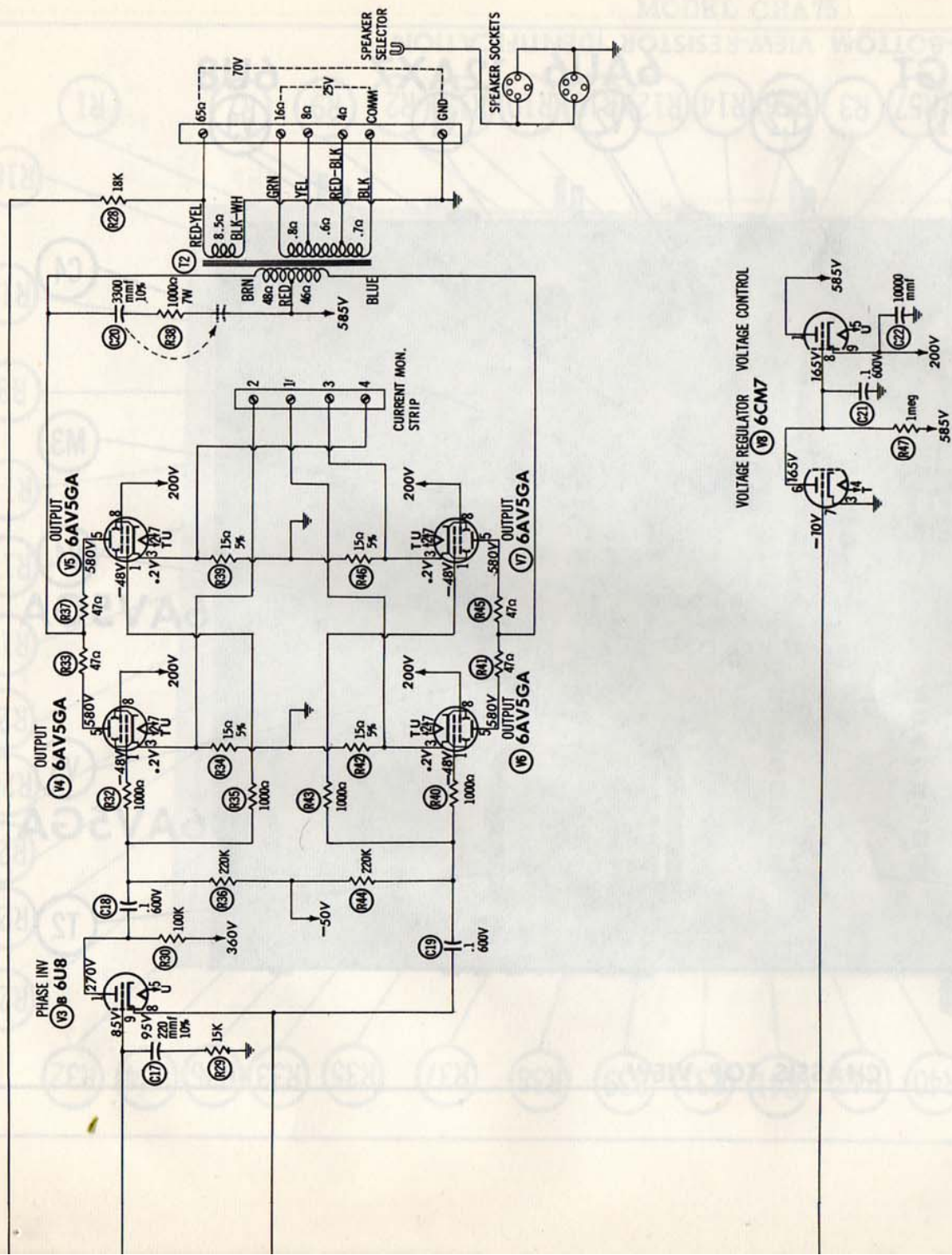


- R1
- R2
- R3
- R4
- R5
- R6
- R7
- R8
- R9
- R10
- R11
- R12
- R13
- R14
- R15
- R16
- R17
- R18
- R19
- R20
- R21
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- R45
- R46
- R47
- R48
- R49
- R50
- R51
- R52
- R53
- R54
- R55
- R56



1. DC voltage measurements taken with vacuum tube voltmeter;
2. AC voltages measured at 1000 ohms per volt.
3. Socket connections are shown as bottom views.
4. Measured values are from socket pin to common negative.
5. Line voltage maintained at 117 volts for voltage readings.
6. Nominal tolerance of component values makes possible a variation of $\pm 15\%$ in voltage and resistance readings.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
 Howard W. Sams & Co., Inc. 1958



RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12AX7 ECC83	1.330K	3.3meg	0Ω	.6Ω	1.330K	3.3meg	0Ω	.6Ω	
V2	6AU6	90K	470Ω	.6Ω	.6Ω	1.300K	1.630K	470Ω		
V3	6U8	1.130K	89K	1.630K	.1Ω	1.520K	390Ω	150K	1.520K	
V4	6AV5GA	.220K	.1Ω	15Ω	NC	1.10Ω	NC	.1Ω	1.1meg	
V5	6AV5GA	.220K	.1Ω	15Ω	NC	1.10Ω	NC	.1Ω	1.1meg	
V6	6AV5GA	.220K	.1Ω	15Ω	NC	1.10Ω	NC	.1Ω	1.1meg	
V7	6AV5GA	.220K	.1Ω	15Ω	NC	1.10Ω	NC	.1Ω	1.1meg	
V8	6CM7	1.0Ω	NC	0Ω	.1Ω	1.1meg	NC	.1Ω	1.1meg	.820K
V9	5Y3GT	NC	20K (MIN)	NC	14Ω	NC	1.1meg	.80K	NC	20K (MIN)
V10	5Y3GT	NC	20K (MIN)	NC	16.5Ω	NC	16.5Ω	NC	20K (MIN)	
V11	5Y3GT	NC	20K (MIN)	TP	31.5Ω	NC	29Ω	TP	20K (MIN)	

† MEASURED FROM PIN 2 OF V11.
 . NC NO CONNECTION.
 TP TIE POINT.