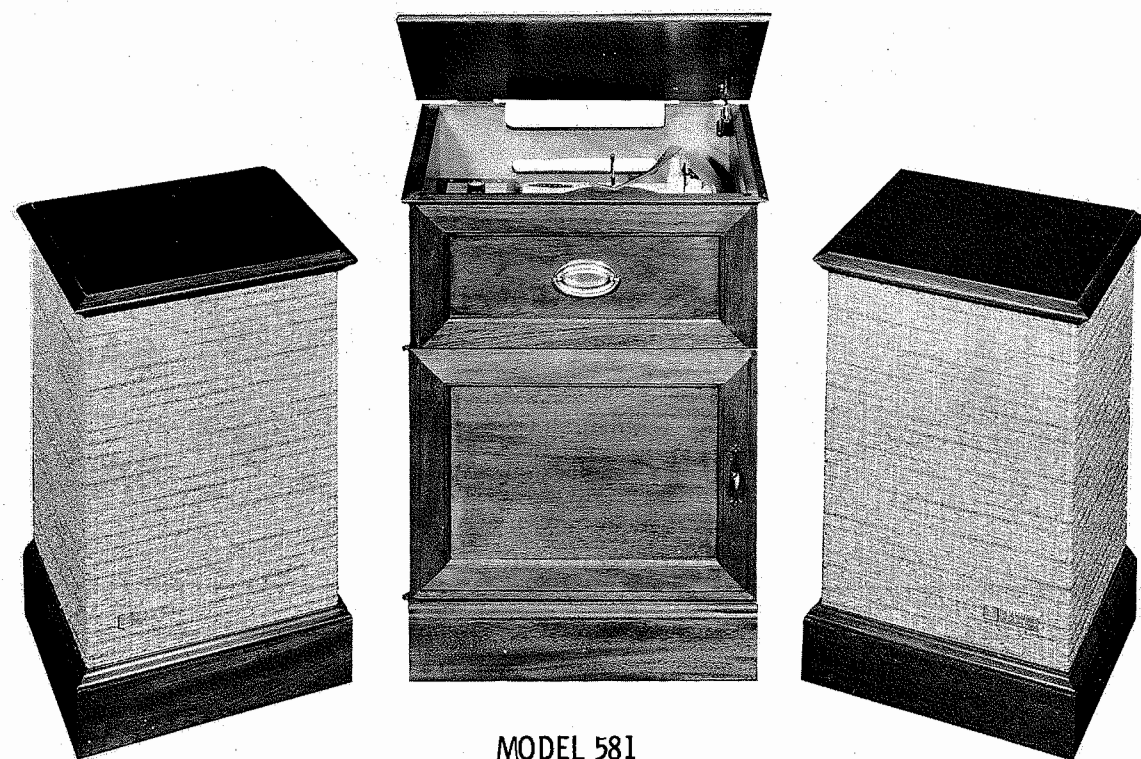


PHOTOFACT® Folder

V-M MODELS
580-2, 581, 582V-M MODELS
580-2, 581, 582

MODEL 581

V-M MODELS
580-2, 581, 582

TRADE NAME	V-M Models 580-2, 581, 582		
MANUFACTURER	V-M Corp., Benton Harbor, Michigan		
TYPE SET	AC Operated 8 Tube Stereo Amplifier With 4 Speed Automatic Record Changer		
POWER SUPPLY	110-120 Volts AC, 60 Cycles	RATING	82 Watts, .78 Amp. @ 117 Volts AC (Less Motor)

FOR SERVICE INFORMATION ON RECORD CHANGER - SEE V-M 1201 - PHOTOFACT SET 436 FOLDER 18 OR RECORD CHANGER MANUAL RC-12

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 JT872

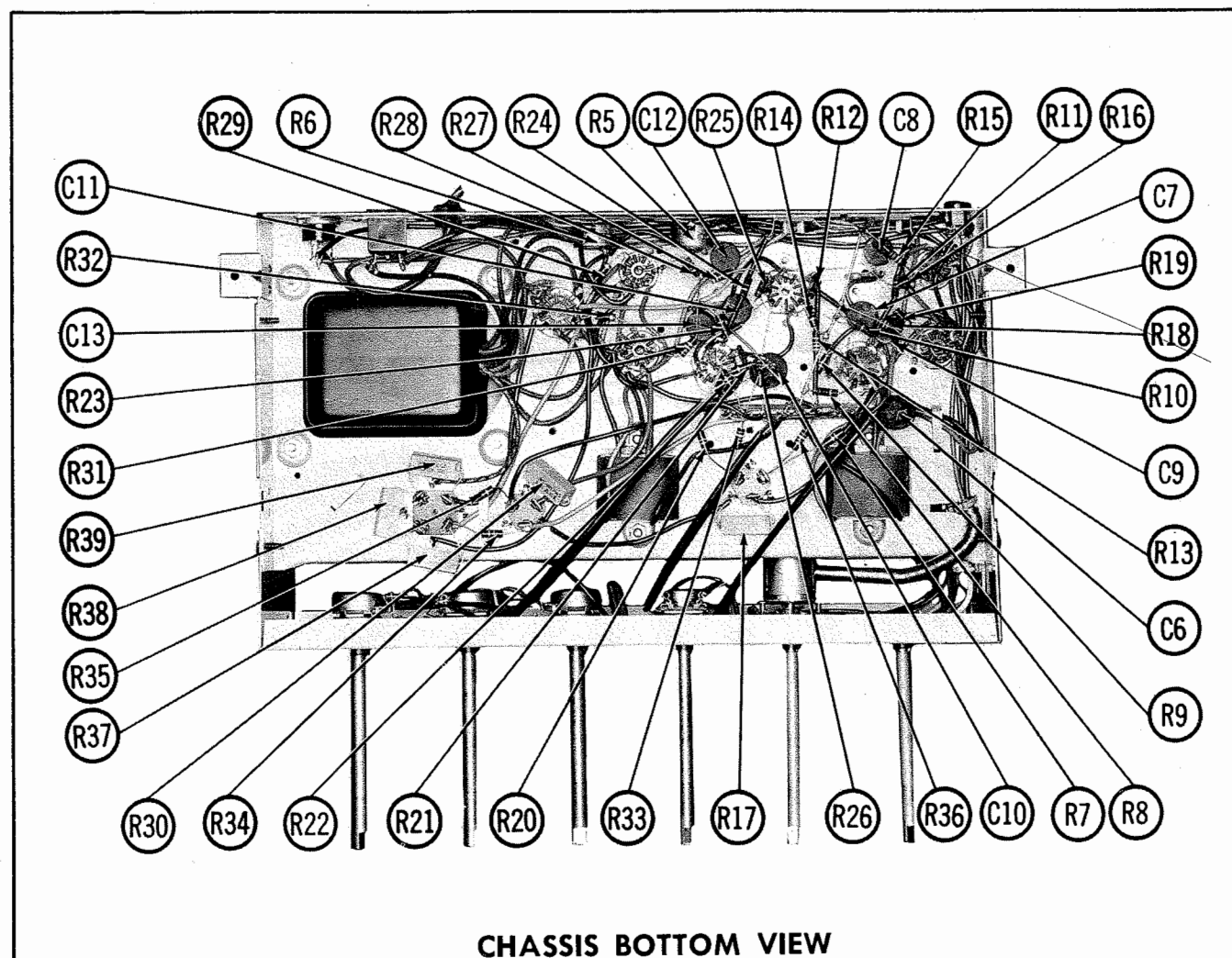
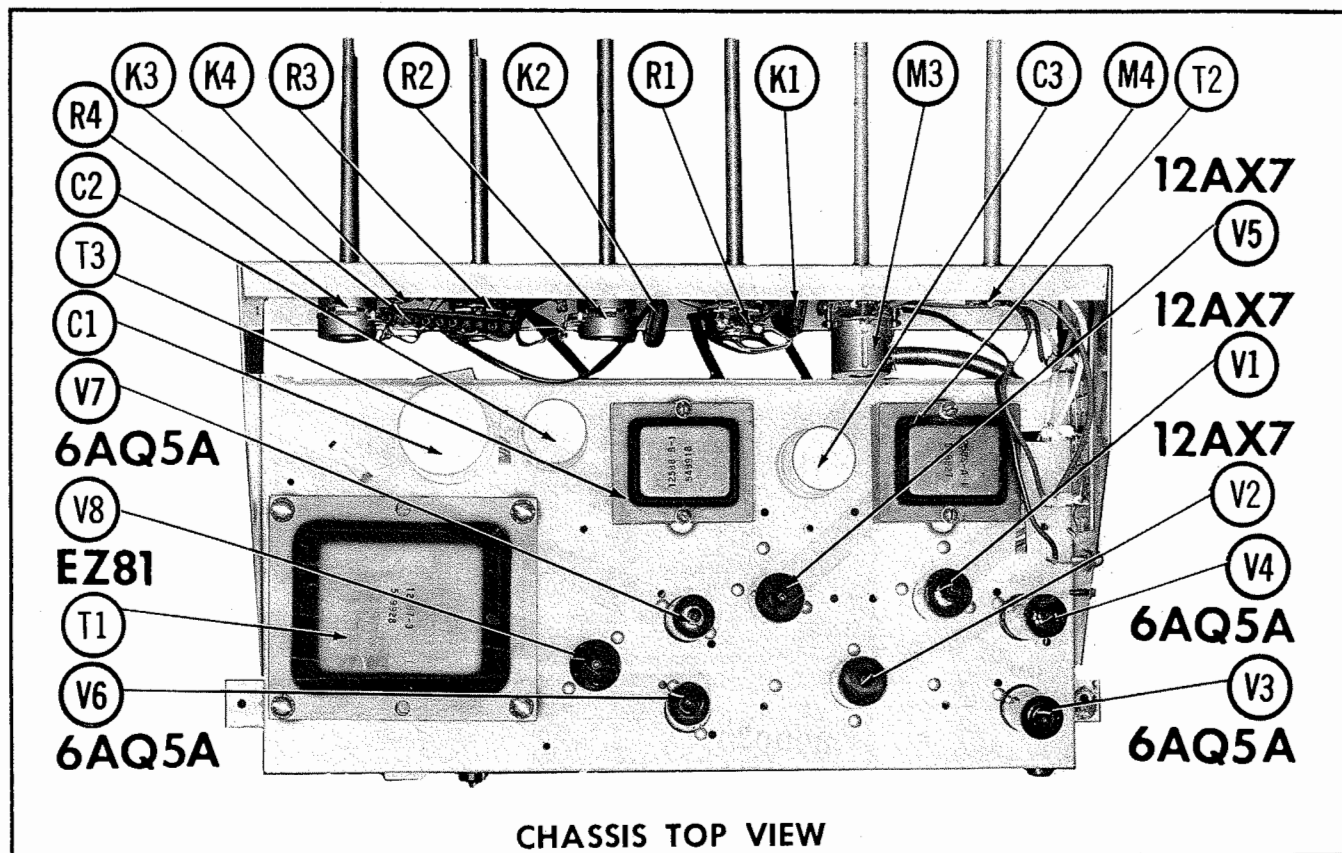
the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1960 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America

DATE 9-60

SET 498

FOLDER 19

SET 498 FOLDER 19



PARTS LIST AND DESCRIPTIONS

TUBES

• CBS • GENERAL ELECTRIC • RAYTHEON • SYLVANIA •			
ITEM No.	USE	ITEM No.	TYPE
V1	Channel A AF Amp.	V5	Channel B AF Amp.
V2	Channel A Phase Inv. - (7025) *	V6	Channel B Output
V3	Channel B Phase Inv. (ECC83) *	V7	Channel B Output Rectifier
V4	Channel A Output 8AQ5A	V8	

* Alternate

ELECTROLYTIC CAPACITORS

REPLACEMENT DATA				
ITEM No.	RATING CAP.	VOLT.	V-M PART No.	NOTES
C1A	40	450	12118	
B	10	450		
C	10	450		
D	80	450		
C2A	10	450	C0240	
B	10	450		
C	10	25		
C3A	10	450	AFB3-124	
B	10	450		
C	10	25		
C4	8	25NP	PR57815	
C5	8	25NP	PR57815	

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

FIXED CAPACITORS

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

REPLACEMENT DATA				
ITEM No.	RATING	REMARKS	REPLACEMENT DATA	
C6	22000			
C7	10000			
C8	10000			
C9	10000			
C10	22000			
C11	10000			
C12	10000			
C13	10000			

PARTS LIST AND DESCRIPTIONS (Continued)

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	V-M PART No.	REPLACEMENT DATA
K1	Loudness Comp.	75mmf, 5000mmf, 5000mmf, 5000mmf, 68K, 100K, 2.2meg, 100mmf, 1000mmf, 1000mmf, 5000mmf, 5000mmf, 10K, 150K, 150K, 220K	20830	
K2	Tone Comp.		20829	
K3	Loudness Comp.	75mmf, 5000mmf, 5000mmf, 5000mmf, 68K, 100K, 2.2meg, 100mmf, 1000mmf, 1000mmf, 5000mmf, 5000mmf, 10K, 150K, 150K, 220K	20830	
K4	Tone Comp.		20829	

TRANSFORMER (POWER)

REPLACEMENT DATA				
ITEM No.	RATING		V-M PART No.	REPLACEMENT DATA
	PRI.	SEC.		
	117V	840VCT		
T1	③ .78A	⑥ .9A	12587-3 ①	
	SEC. 3	SEC. 4	SEC. 5	
	6.3V	6.3V		
	③ 1.4A	③ 1.5A		

① Alternate Part #12587.

TRANSFORMER (AUDIO OUTPUT)

REPLACEMENT DATA				
ITEM No.	IMPEDANCE		V-M PART No.	NOTES
	PRI.	SEC.		
	SIZE	FIELD		
T2	5700Ω	3-4Ω	12588-A-1 ①	
T3	7000Ω	3-4Ω	12588-B-1 ②	

SPEAKER

REPLACEMENT DATA			
ITEM No.	TYPE		NOTES
	V-M PART No.	QUAM PART No.	
	SIZE	V. C. IMP.	
SP1	12"	PM	3-4Ω
SP2	3 1/2"	PM	3-4Ω
SP3	12"	PM	3-4Ω
SP4	3 1/2"	PM	3-4Ω

PHONO CARTRIDGE

REPLACEMENT DATA				
ITEM No.	V-M PART No.		JENSEN PART No.	SONOTONE PART No.
	STATIC CARTRIDGE	ELECTRO-VOICE CARTRIDGE	REBLE CARTRIDGE	
	13TB	26S	SI-1 & SI-3	
M1	16708-G		J43 & J47X	8TA4-S N-8TA-S

CONTROLS

REPLACEMENT DATA				
ITEM No.	RATING RESIST-ANCE	WATTS	V-M PART No.	INSTALLATION NOTES
R1A	2meg *	1/2	12404	
B	2meg *	1/2		
C	500K	1/2		
R2A	500K	1/2	12402	
B	500K	1/2		
C	500K	1/2		
R3A	1meg	1/2	12403	
B	1meg	1/2		
C	1meg	1/2		
R4A	2meg	1/2	12405	
B	2meg	1/2		
C	2meg	1/2		
R5	150Ω	2(WV)	12381	
R6	150Ω	2(WV)	12381	

* Taps @ 600K and 1.2meg.

RESISTORS

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

ITEM No.	RATING	REMARKS	ITEM No.	RATING	REMARKS
R7	220K		R18	330K	
R8	1000Ω		R19	1000Ω	
R9	220K		R20	220K	
R10	220Ω		R21	1000Ω	
R11	22K		R22	220K	
R12	1meg		R23	220K	
R13	47K		R24	22K	
R14	47K		R25	1meg	
R15	330K		R26	47K	
R16	1000Ω		R27	47K	
R17	300Ω 5W		R28	330K	

PHONO NEEDLE

(FOR REPLACEMENT IN ORIGINAL EQUIPMENT CARTRIDGE)

REPLACEMENT DATA			
ITEM No.	V-M PART No.	CLEVITE WALCO PART No.	JENSEN PART No.
M2	18626-B	W-103STSS † or W-103STDS † ‡	S-69X † or S-69XSD † ‡ or S-69XDD ‡

MISCELLANEOUS

ITEM No.	PART NAME	V-M PART No.	NOTES
M3	Switch	18969	Function (Rotary Wafer)
M4	Switch	19003	Monaural - Stereo (Rotary Wafer)
M5	Switch	21338	AC Off-On, Changer (Part of Changer)
M6	Motor Assy	18381	Complete, Includes Alliance Motor #9134
	Motor Assy	18781	Complete, Includes G I Motor #9134

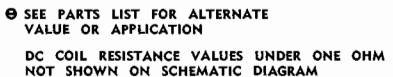
CABINETS & CABINET PARTS

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

NAME	PART NO.	DESCRIPTION
Knob	20882-A	Loudness, Bass, Treble, Balance, Function, Monaural-Stereo
Knob	16791-A46	Off-On Reject (Part of Changer)
Knob	16792-A46	Speed Control (Part of Changer)
Cabinet	18903-B	Blond (Center Unit), Model 580-2
Cabinet	18903-W	Walnut (Center Unit), Model 580-2
Cabinet	20803-M	Walnut (Center Unit), Model 581
Cabinet	20804-C	Model 582 (Center Unit)
Cabinet	20806-B	Speaker Enclosure (Left Hand, Blond), Model 580-2
Cabinet	20807-B	Speaker Enclosure (Right Hand, Blond), Model 580-2
Cabinet	20806-W	Speaker Enclosure (Left Hand, Walnut), Model 580-2
Cabinet	20807-W	Speaker Enclosure (Right Hand, Walnut), Model 580-2
Cabinet	20810-M	Speaker Enclosure (Left Hand), Model 581
Cabinet	20811-M	Speaker Enclosure (Right Hand), Model 581
Cabinet	20810-C	Speaker Enclosure (Left Hand), Model 582
Cabinet	20811-C	Speaker Enclosure (Right Hand), Model 582
Cabinet	18907-A	Blond, Models 580-2
Cabinet	18907-B	Walnut, Models 580-2

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8550 (Solid) Available in Ten Colors
Power Cord	Use BELDEN No. 8524 (Stranded) Available in Ten Colors
Low-Loss Shielded Lead (Interconnecting)	Use BELDEN No. 1728-B (9 Ft. Length)
Photo Pick-up Arm Cable	Use BELDEN No. 8430 (Two Conductor - Twisted)



† THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT
 † MEASURED FROM PIN 3 OF V8.
 NC NO CONNECTION TP TIE POINT

