

1-DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1000 ohms per volt.
2-Socket connections are shown as bottom views.
3-Measured values are from socket pin to common negative.
4-Line voltage maintained at 117 volts for voltage readings.
5-Nominal tolerance on component values makes possible a variation of $\pm 15\%$ in voltage and resistance readings.
6-All controls at minimum, proper output load connected.

PENTRON MODEL F-100



VOLUME
CONTROL
ON-OFF SW.

tone
control

TRADE NAME	Pentron Model F-100	
MANUFACTURER	Pentron Corp., 211 E. Cullerton St., Chicago 16, Ill.	
TYPE SET	AC Operated Audio Amplifier With 3 Speed Automatic Record Changer	
TUBES (FOUR)	Types 12AX7 AF Amp.-Phase Inv., (2) 35C5 Audio Amp., 35W4 Rectifier	
POWER SUPPLY	110-120 Volts AC-60 Cycle	RATING .32 Amp. @ 117 Volts AC

FOR SERVICE INFORMATION ON RECORD CHANGER UNIT - SEE V-M MODEL 950 PHOTOFACT SET 107 - FOLDER 13 OR RECORD CHANGER MANUAL CM-3.

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 the particular type of replacement part listed."

tent, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. Copyright 1952 by Howard W. Sams & Co., Inc., Indianapolis 5, Indiana, U. S. of America. Copyright under International Copyright Union. All rights reserved under Inter-American Copyright Union (1910) by Howard W. Sams & Co., Inc." Printed in U. S. of America

DATE 11-52

SET 184

FOLDER 10

PENTRON
MODEL F-100

PARTS LIST AND DESCRIPTIONS
 TUBES (SYLVANIA or Equivalent)

PENTRON
 MODEL F-100

ITEM No.	USE	REPLACEMENT DATA			NOTES
		PENTRON PART No.	STANDARD REPLACEMENT	RMA BASE TYPE	
V1	AF Amp - Phase Inv	12AX7	12AX7	8A	
V2	Audio Output	35C5	35C5	7CV	
V3	Audio Output	35C5	35C5	7CV	
V4	Rectifier	35W4	35W4	95Q	

CAPACITORS

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

ITEM No.	RATING CAP.	VOLT	REPLACEMENT DATA					NOTES
			PENTRON PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL DUBIER PART No.	ERIE PART No.	
C1A	40	150		PRS150/40-20-20	E242213C		[TC26	SPRAGUE PART No. [TVA-3448 TVA-1205
B	20	150						
C	20	150						
D	20	25						
C2	.01	400						
C3	.0003	400						
C4	.01	400						
C5	.01	400						
C6	.01	400						
C7	.05	400						
C8	.05	400						

CONTROLS

ITEM No.	RATING RESIST-ANCE	WATTS	REPLACEMENT DATA				INSTALLATION NOTES
			PENTRON PART No.	IRC PART No.	CLEARSTAT PART No.	MALLORY PART No.	
R1A	500KΩ	½		Q13-133	AG-60-Z	B-60-S	Volume Not Req.
B	500KΩ	½		Q13-133	AG-60-Z	B-60-S	Volume Not Req.
C	500KΩ	½		Q13-133	AG-60-Z	B-60-S	Volume Not Req.
R2A	1 Meg	½		Q13-137	AG-63-Z	BSK-70	U-53
B	1 Meg	½		Q13-137	AG-63-Z	BSK-70	U-53

RESISTORS

ITEM No.	RATING OHMS	WATT	REPLACEMENT DATA			NOTES
			PENTRON PART No.	IRC PART No.	ITEM No.	
R3	4.7MΩ	½			R8	
R4	270KΩ	½			R9	
R5	4.7MΩ	½			R10	
R6	100KΩ	½			R11	
R7	100KΩ	½			R12	

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING			REPLACEMENT DATA				NOTES
	IMPEDANCE PRI.	DC RES. SEC.	SEC.	PENTRON PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
T1	3.9KΩ	3.3Ω	325Ω		342A13	A-3923	A-3018	RO-303 S-4X Ⓢ Ⓢ Drill one new mfg. hole.

PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	SIZE	FIELD	V. C. IMP.	PENTRON PART No.	JENSEN PART No.	QUAM PART No.	
SP1	6"	PM		345-11	ST-103	6A1	

PHONO CARTRIDGE

ITEM No.	PENTRON PART No.	REPLACEMENT DATA			REMARKS
		ASTATIC CARTRIDGE	SHURE CARTRIDGE	ELECTRO-VOICE CARTRIDGE	
M1		ACD-J A1 A3	W22AB A62A A65MG	96T 0-1 or S-1 and 0-3 or S-3	

ASTATIC, SHURE, AND ELECTRO-VOICE NEEDLE LISTINGS SHOWN ABOVE ARE SPECIFIED FOR THE RESPECTIVE REPLACEMENT CARTRIDGES LISTED. FOR ORIGINAL CARTRIDGE NEEDLE REPLACEMENTS SEE BELOW.

PHONO NEEDLE

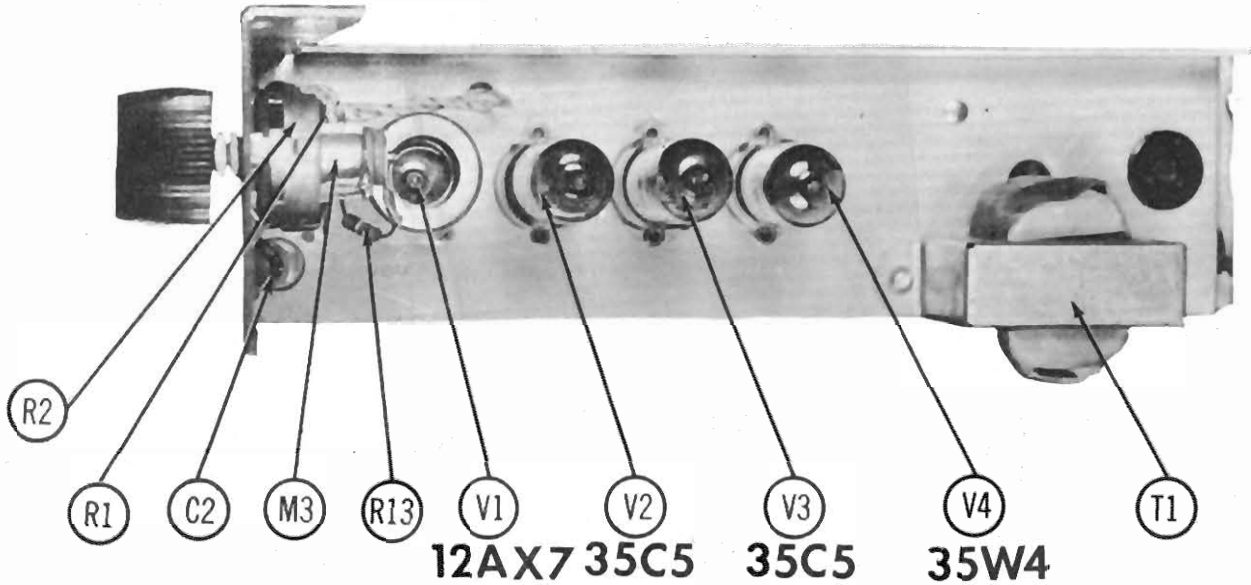
(FOR REPLACEMENT IN ORIGINAL EQUIPMENT CARTRIDGE)

ITEM No.	REPLACEMENT DATA			REMARKS
	PENTRON PART No.	WALCO PART No.	JENSEN PART No.	
M2		W-30A and W-30MG	JP-30 and JPS-30LP	

DIAL LIGHTS

ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA		NOTES
				BEAD COLOR	PENTRON PART No.	
M3	Bayonet					Neon Type #NE51

CHASSIS—TOP VIEW



CHASSIS—BOTTOM VIEW

