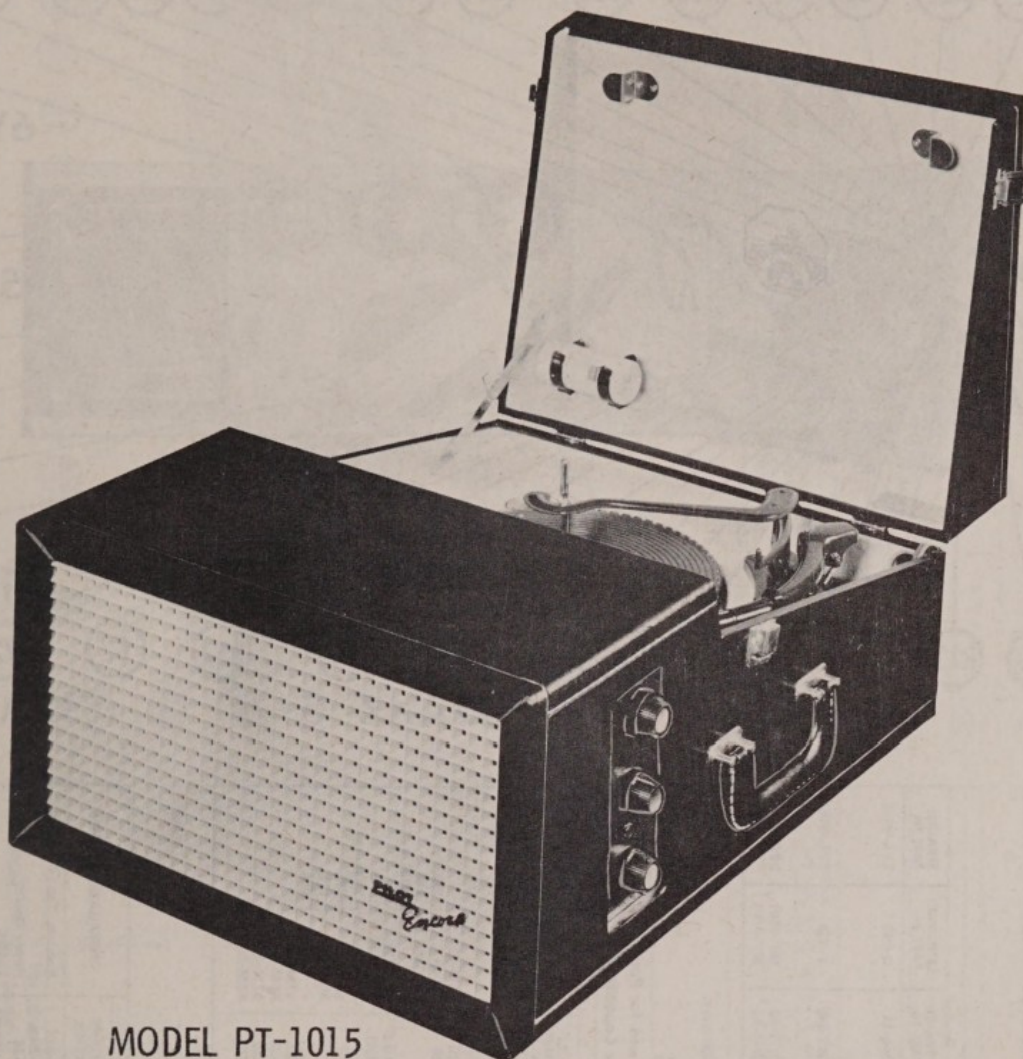


PHOTOFACT* Folder

PILOT MODELS
PT-1015, PT-1025PILOT MODELS
PT-1015, PT-1025

MODEL PT-1015

PILOT MODELS
PT-1015, PT-1025

TRADE NAME	Pilot Models PT-1015, PT-1025		
MANUFACTURER	Pilot Radio Corp., 37-06 36th Street, Long Island City 1, N. Y.		
TYPE SET	AC Operated Phono Amplifier With 4 Speed Automatic Record Changer		
TUBES (Six)	Types 12AX7 Preamplifier, 12AX7 AF Amplifier, 12AX7 AF Amplifier-Phase Inverter, (2) 6V6GT Output, 5Y3GT Rectifier		
POWER SUPPLY	105-120 Volts AC-60 Cycles	RATING	.62 Amp. @ 117 Volts AC (63 Watts)

FOR SERVICE INFORMATION ON RECORD CHANGER PART #108-32 - SEE GARRARD RC121/4 - PHOTOFACT SET 355 FOLDER 4 OR RECORD CHANGER MANUAL RC-10

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 H706

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. © 1959 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America

DATE 1-59

SET 427 FOLDER 11

SET 427 FOLDER 11

PARTS LIST AND DESCRIPTIONS TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES
V1	Pre-amplifier	12AX7	
V2	AF Amplifier	12AX7	
V3	AF Amp. - Phase Inv.	12AX7	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING				REPLACEMENT DATA			
	CAP.	VOLT.	PILOT PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.
C1A	20	450	24-149	AFH4-14	D0130	FP444	TMQ-12	Q-040
C1B	20	450						
C1C	20	450						
C2A	40	400	24-150	AFH3-140	C1040	FP385	TMT-140	T-735
C2B	10	400						
C2C	10	400						
C3	2	50NP		NP-PRS50V2	BBR4-50 † BBR4-50 †	TC30 † TC30 †	TD-4-50 † TD-4-50 †	MT-0504 † MT-0504 †

† Connect negative leads together.

* Not normally in distributors 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.

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	CAP.	VOLT.	PILOT PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	
C4	.022	400		P488N-022	DD-203	CUB4S2	GEM-4122
C5	.01	400		P488N-01	D6-103	CUB4S1	GEM-411
C6	.033	400					
C7	.022	400					
C8	.01	400					
C9	1000	1800					
C10	30	400					
C11	.022	400					
C12	.047	400					
C13	.01	400					
C14	50	1800					
C15	.047	400					
C16	.01	400					
C17	.01	400					
C18	.1	600					
C19	.1	600					
C20	.1	600					
C21	.01	600					
C22	.0051	400					

① Some versions may use .002mfd in this application.

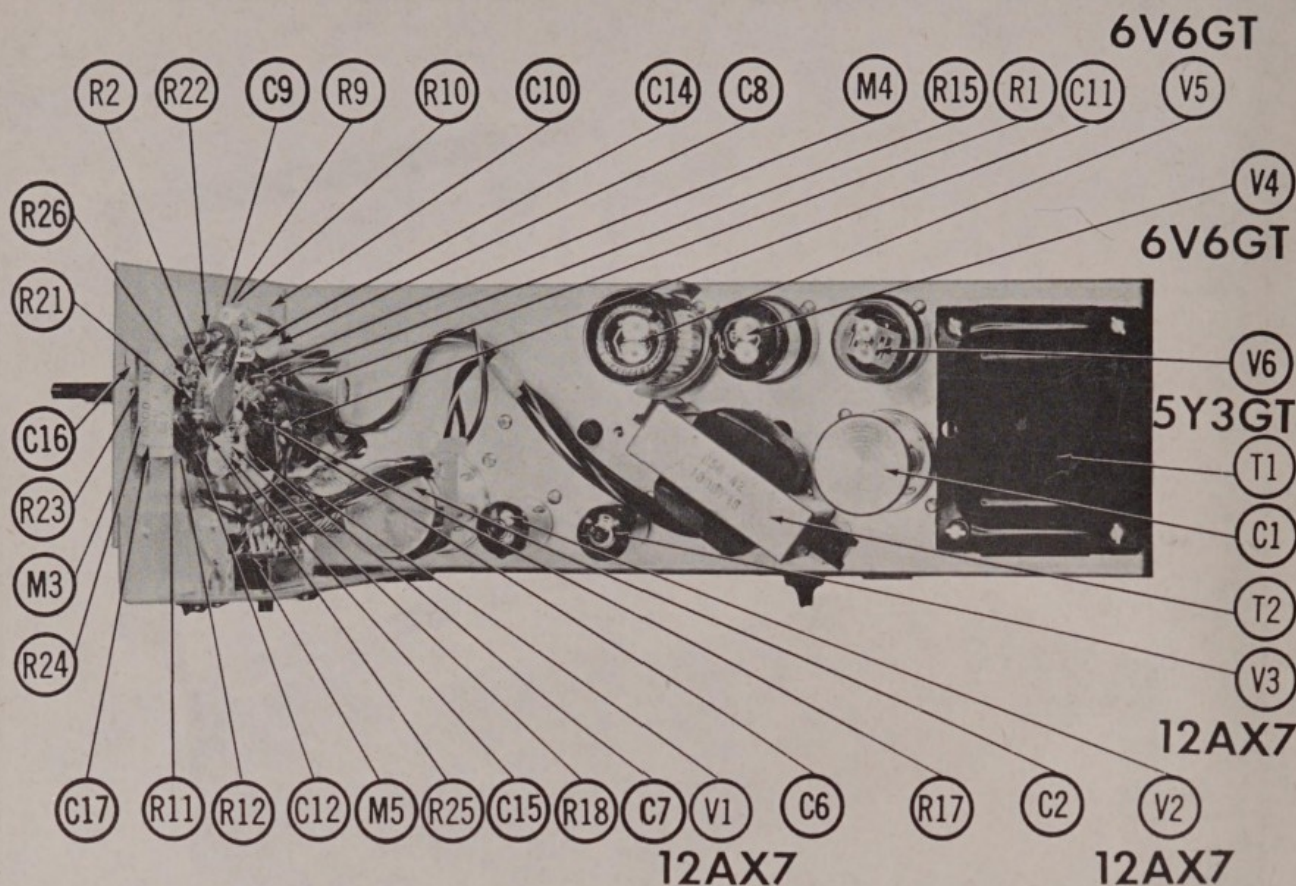
CONTROLS

ITEM No.	RATING		REPLACEMENT DATA				INSTALLATION NOTES
	RESIST.-ANCE	WATTS	PILOT PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	
R1A	1meg	1/2	36-63	BT-73	A47F-1meg	Q13-137X	Volume, Tap ② 250K
R1B	Shunt			KB-1 or KR-1*	FS-3	Not Req.	Power On-Off
R1C	Switch		37-36		SWE-12	76-1	Treble
R2A	5meg						Base
R2B	5meg						Hum Balance
R2C	25K		39-44	AB-26	A47-25K-S	BU1-120	
R2D	Shunt			AK-1	F ES-1/4	SE2	

* Use KR with CRL "Red Label" controls and KB with "Blue Label" controls.

■ "STA-LOC" Equivalent : FA56A, OS1062, RU56A, ISI562.

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

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

ITEM No.	RATING		PILOT PART No.	NOTES
	OHMS	WATT		
R4	47K			
R5	680K			
R6	68K	1		
R7	1000Ω	1		
R8	330K			
R9	1meg			
R10	8200Ω 5%			
R11	100K			
R12	82K	1		
R13	82K			
R14	1500Ω			
R15	4.7meg			
R16	15K			
R17	120Ω			
R18	39K	1		
R19	82K			
R20	2200Ω			
R21	220K			
R22	220K			
R23	680K			
R24	39K			

TRANSFORMER (POWER)

ITEM No.	RATING		REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	PILOT PART No.	Halldorson PART No.	Merit PART No.
T1	117V ② .62A	650VCT ② .070A	5V ② 1.7A	55-47	P9305	P-2951 ①
	SEC. 3	SEC. 4	SEC. 5			
	6.3V					
	② 1.8A					

① Drill new mounting holes.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	PILOT PART No.	Halldorson PART No.	Merit PART No.	Ram PART No.	
T2	10K C.T.	6-8Ω	50-42	Z1404 ①	AU-609 ①	A-3335 ①	28559 ①

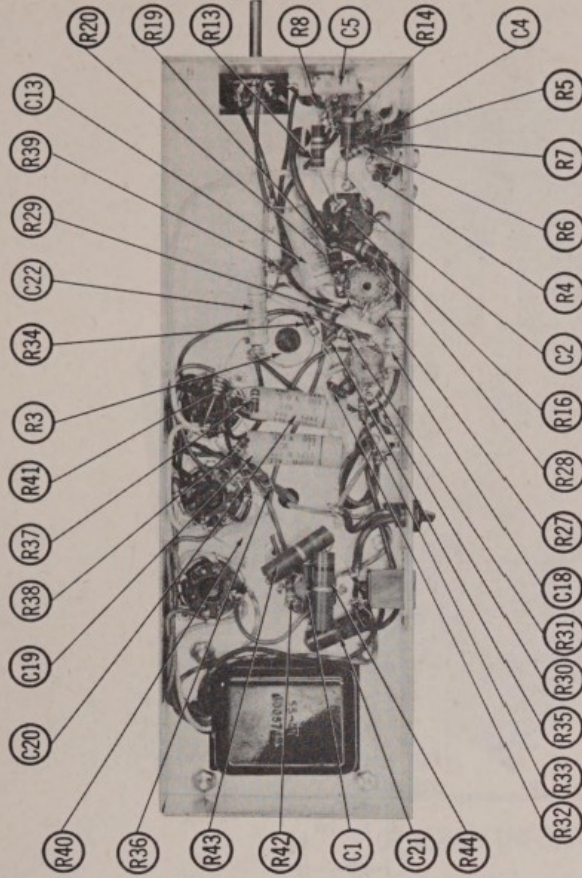
SPEAKER

ITEM No.	TYPE		REPLACEMENT DATA		NOTES
	SIZE	FIELD	PILOT PART No.	QUAM PART No.	
SP1	8"	PM	41-39	8A6	
SP2	6"	PM	41-40	6A21	

PHONO CARTRIDGE

ITEM No.	REPLACEMENT DATA		REMARKS
	PILOT PART No.	ASTATIC PART No.	
M1		CARTRIDGE	

CHASSIS—BOTTOM VIEW



PHONO NEEDLE

(FOR REPLACEMENT IN ORIGINAL EQUIPMENT CARTRIDGE)

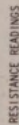
ITEM No.	REPLACEMENT DATA			REMARKS
	PILOT PART No.	JENSEN PART No.	WALCO PART No.	
M2	(STD)	† G-6 or ‡ G-6D	† 68S or ‡ 68D	† Jewel ‡ Diamond
	(LP)	† G-4 or ‡ G-4D	† 69MGS or ‡ 69MGD	

MISCELLANEOUS

ITEM No.	PART NAME	PILOT PART No.	NOTES
M3	Lamp	68-10	#1847 Compensation, Rotary, Wafer Type Speaker, SPDT, Slide Type
M4	Switch	100-110	
M5	Switch	101-42	

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in Ten Colors
Power Cord Use BELDEN No. 8524 (Stranded) Available in Ten Colors
Low-Loss Shielded Lead (Interconnecting) Use BELDEN No. 1725-K (7 1/2 Ft. Length)
Phono Pick-up Arm Cable Use BELDEN No. 8401
Phono Pick-up Arm Cable Use BELDEN No. 8430 (Two Conductor - Twisted)



ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12AX7	1125K	680K	1000 Ω	45K	45K	1140K	82K	1500 Ω	45K
V2	12AX7	1120K	80K	2200 Ω	45K	45K	1120K	0 Ω	2200 Ω	45K
V3	12AX7	1115K	680K	1500 Ω	45K	45K	1115K	12K	1500 Ω	45K
V4	6V6GT	NC	45K	1510 Ω	15700 Ω	280K	NC	45K	270 Ω	
V5	6V6GT	NC	45K	1480 Ω	15700 Ω	270K	1P	45K	270 Ω	
V6	5Y6GT	NC	1	NC	120 Ω	NC	140 Ω	NC		

THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC CAPACITOR CONNECTED IN THE ASSOCIATED CIRCUIT.

† MEASURED FROM PIN 2 OF V6

NC NO CONNECT
TP THE POINT

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 $\pm 1\%$ in voltage and resistance readings.
7. All controls at minimum, proper output load connected.

⊕ SEE PARTS LIST FOR ALTERNATE
VALUE OR APPLICATION

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

A PHOTOFACT STANDARD NOTATION SCHEMATIC
© Howard W. Sams & Co., Inc. 1959

© Howard W. Sams & Co., Inc. 1959