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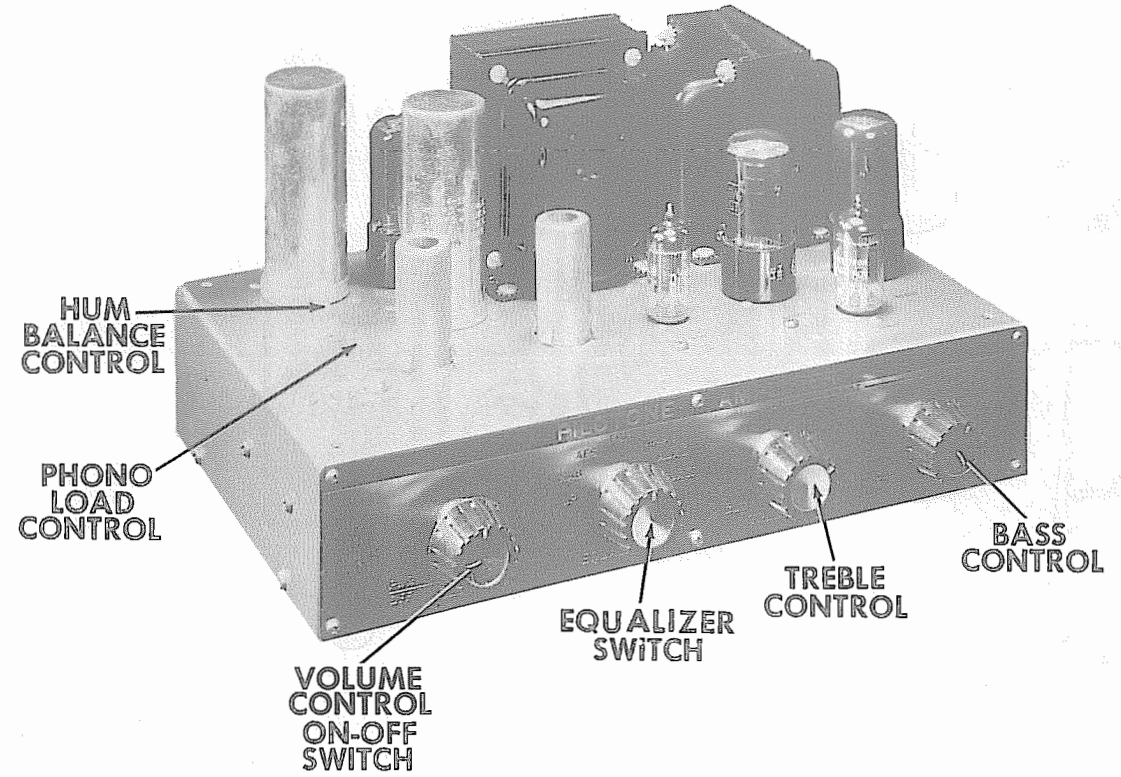
279-11

PHOTOFACT* Folder



PILOT
MODEL AA-903

PILOT
MODEL AA-903



TRADE NAME	Pilot Model AA-903	
MANUFACTURER	Pilot Radio Corp., 37-06 36th St., Long Island City, N.Y.	
TYPE SET	AC Operated 4 Channel 10 Watt Audio Amplifier & Equalizer	
TUBES (Seven)	Types 12AX7 Preamp., 12AX7 AF Amp., 6C4 AF Amp., 12AU7 AF Amp-Phase Inv., (2) 6V6GT Output, 5Y3GT Rectifier	
POWER SUPPLY	105-120 Volts AC - 60 Cycles	RATING .67 Amp. @ 117 Volts AC

HOWARD W. SAMs & CO., INC. • Indianapolis 5, Indiana

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DATE 6-55

SET 279

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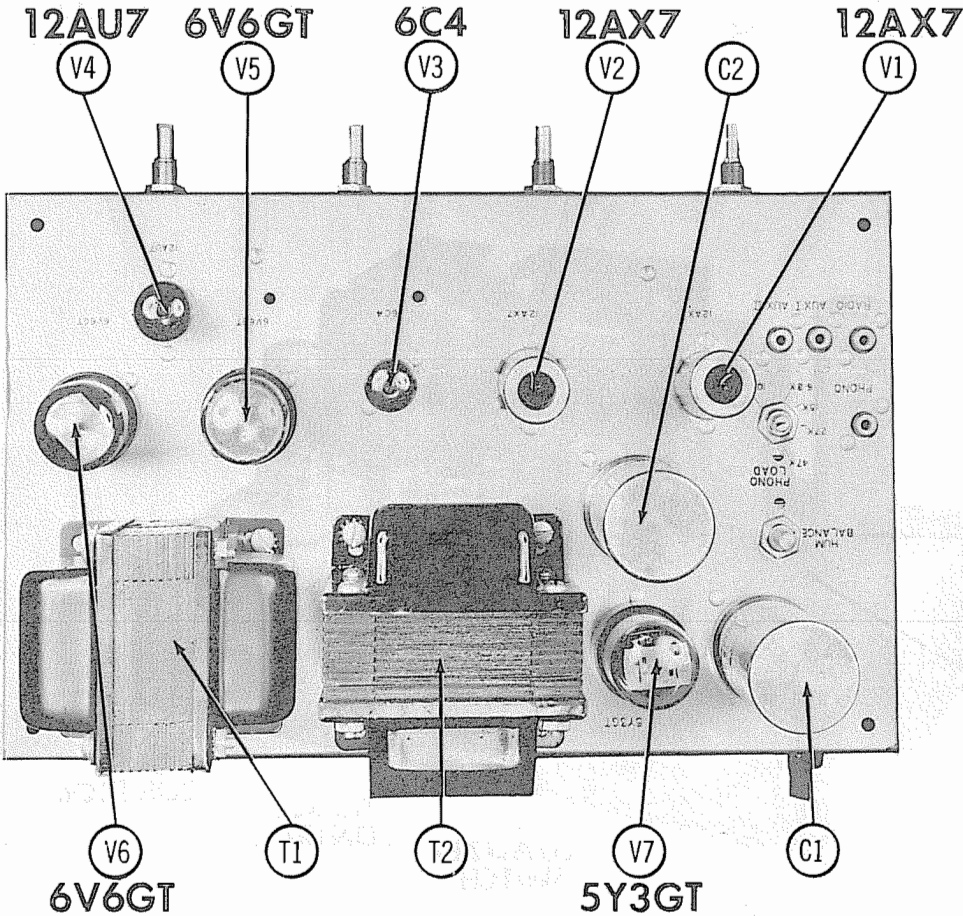
PILOT
MODEL AA-903

PARTS LIST AND DESCRIPTIONS
 TUBES (SYLVANIA, GENERAL ELECTRIC, WESTINGHOUSE)

PILOT
 MODEL AA-903

ITEM No.	USE	REPLACEMENT DATA			REMA BASE TYPE	NOTES
		PILOT PART No.	STANDARD REPLACEMENT			
V1	Preamp.	12AX7	12AX7	9A		
V2	AF Amp.	12AX7	12AX7	9A		
V3	AF Amp.	6C4	6C4	6BG		
V4	AF Amp. - Phase Inverter	12AU7	12AU7	9A		
V5	Audio Output	6V6GT	6V6GT	7S		
V6	Audio Output	6V6GT	6V6GT	7S		
V7	Rectifier	5Y3GT	5Y3GT	5T		

CHASSIS--TOP VIEW



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				SANGAMO PART No.
			PILOT PART No.	CENTRALAB PART No.	ERIE PART No.	MALLORY PART No.	
C1A	.20	450				FP448	TM-602020-40-040
C1B	.50	450					TM-602020-40-040
C1C	.20	450					TM-602020-40-040
C1D	.20	450					TM-602020-40-040
C1E	.20	450					TM-602020-40-040
C1F	.20	450					TM-602020-40-040
C1G	.20	450					TM-602020-40-040
C1H	.20	450					TM-602020-40-040
C1I	.20	450					TM-602020-40-040
C1J	.20	450					TM-602020-40-040
C1K	.20	450					TM-602020-40-040
C1L	.20	450					TM-602020-40-040
C1M	.20	450					TM-602020-40-040
C1N	.20	450					TM-602020-40-040
C1O	.20	450					TM-602020-40-040
C1P	.20	450					TM-602020-40-040
C1Q	.20	450					TM-602020-40-040
C1R	.20	450					TM-602020-40-040
C1S	.20	450					TM-602020-40-040
C1T	.20	450					TM-602020-40-040
C1U	.20	450					TM-602020-40-040
C1V	.20	450					TM-602020-40-040
C1W	.20	450					TM-602020-40-040
C1X	.20	450					TM-602020-40-040
C1Y	.20	450					TM-602020-40-040
C1Z	.20	450					TM-602020-40-040

Note 1: Some versions may use a .02MFD in this application.

CONTROLS

ITEM No.	RATING RESISTANCE	WATTS	REPLACEMENT DATA				INSTALLATION NOTES
			PILOT PART No.	IRC PART No.	CENTRALAB PART No.	MALLORY PART No.	
R1A	500KΩ	1/2	36-47A	Q1-133		UF55L	Volume
R1B	1Meg	1/2		M1-137		UR16L	Attach to R1A
R1C	5Meg	1/2		Not Req.		US-26	Attach to R1B
R1D	5Meg	1/2		76-1		U-65	Treble
R1E	5Meg	1/2		Not Req.		Not Req.	Attach to R2A
R1F	5Meg	1/2		Q13-141		U-29	Bass
R1G	5Meg	1/2		Not Req.		Not Req.	Attach to R3A
R1H	5Meg	1/2		Q13-141		U-29	Hum Balance
R1I	5Meg	1/2		Not Req.		Not Req.	Attach to R4A
R1J	5Meg	1/2		Q13-141		U-29	Phono Load - Note
R1K	5Meg	1/2		Not Req.		U-41	Attach to R5A
R1L	5Meg	1/2		Q13-141		U-41	
R1M	5Meg	1/2		Not Req.		U-41	
R1N	5Meg	1/2		Q13-141		U-41	
R1O	5Meg	1/2		Not Req.		U-41	
R1P	5Meg	1/2		Q13-141		U-41	
R1Q	5Meg	1/2		Not Req.		U-41	
R1R	5Meg	1/2		Q13-141		U-41	
R1S	5Meg	1/2		Not Req.		U-41	
R1T	5Meg	1/2		Q13-141		U-41	
R1U	5Meg	1/2		Not Req.		U-41	
R1V	5Meg	1/2		Q13-141		U-41	
R1W	5Meg	1/2		Not Req.		U-41	
R1X	5Meg	1/2		Q13-141		U-41	
R1Y	5Meg	1/2		Not Req.		U-41	
R1Z	5Meg	1/2		Q13-141		U-41	

Note: Some versions may use an alternate control part no. 39-32.

PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

ITEM No.	RATING OHMS	WATT	REPLACEMENT DATA				NOTES
			PILOT PART No.	IRC PART No.	CENTRALAB PART No.	MALLORY PART No.	
R2	680Ω	1/2		BTS-6800			BTS-100K 5%
R3	2.2Meg	1/2		BTS-2.2Meg			BTA-2200
R4	68KΩ	1/2		BTA-68K			BTS-5600
R5	680KΩ	1/2		BTS-680K			BTS-220K
R6	820Ω 5%	1/2		BTS-8200 5%			BTS-10K
R7	1Meg	1/2		BTS-1Meg			BTS-220K
R8	82KΩ 5%	1/2		BTS-82K 5%			BTS-470K
R9	100KΩ 5%	1/2		BTS-100K 5%			BTS-47K 5%
R10	68KΩ 5%	1/2		BTS-68K 5%			BTS-470K
R11	39KΩ 5%	1/2		BTS-39K 5%			BTS-470K
R12	2.2Meg	1/2		BTS-2.2Meg			BTS-470K
R13	3300Ω	1/2		BTA-3300			BTS-470K
R14	15KΩ	1/2		BTA-15K			BTS-470K
R15	82KΩ	1/2		BTA-82K			BTS-470K
R16	220KΩ 5%	1/2		BTS-220K 5%			BTS-470K
R17	4700Ω 5%	1/2		BTS-4700 5%			BTS-470K
R18	220KΩ	1/2		BTS-220K			BTS-470K
R19	220KΩ	1/2		BTS-220K			BTS-470K
R20	220KΩ	1/2		BTS-220K			BTS-470K
R21	220KΩ	1/2		BTS-220K			BTS-470K
R22	220KΩ	1/2		BTS-220K			BTS-470K
R23	220KΩ	1/2		BTS-220K			BTS-470K
R24	220KΩ	1/2		BTS-220K			BTS-470K
R25	220KΩ	1/2		BTS-220K			BTS-470K

Note 1: Some versions may use a 3.3Meg resistor in this application.
 Note 2: Some versions may use a 1Meg resistor in this application.
 Note 3: Not used in some versions.
 Note 4: Some versions may use a 2200Ω resistor in this application.

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA				NOTES
		PILOT PART No.	SEC. 1	SEC. 2	SEC. 3	
T1	117VAC 666VCT .082A @ 2A	55-38	55-38	55-38	55-38	

① Drill new mounting holes.
 ② Tape 6.3V center tap.

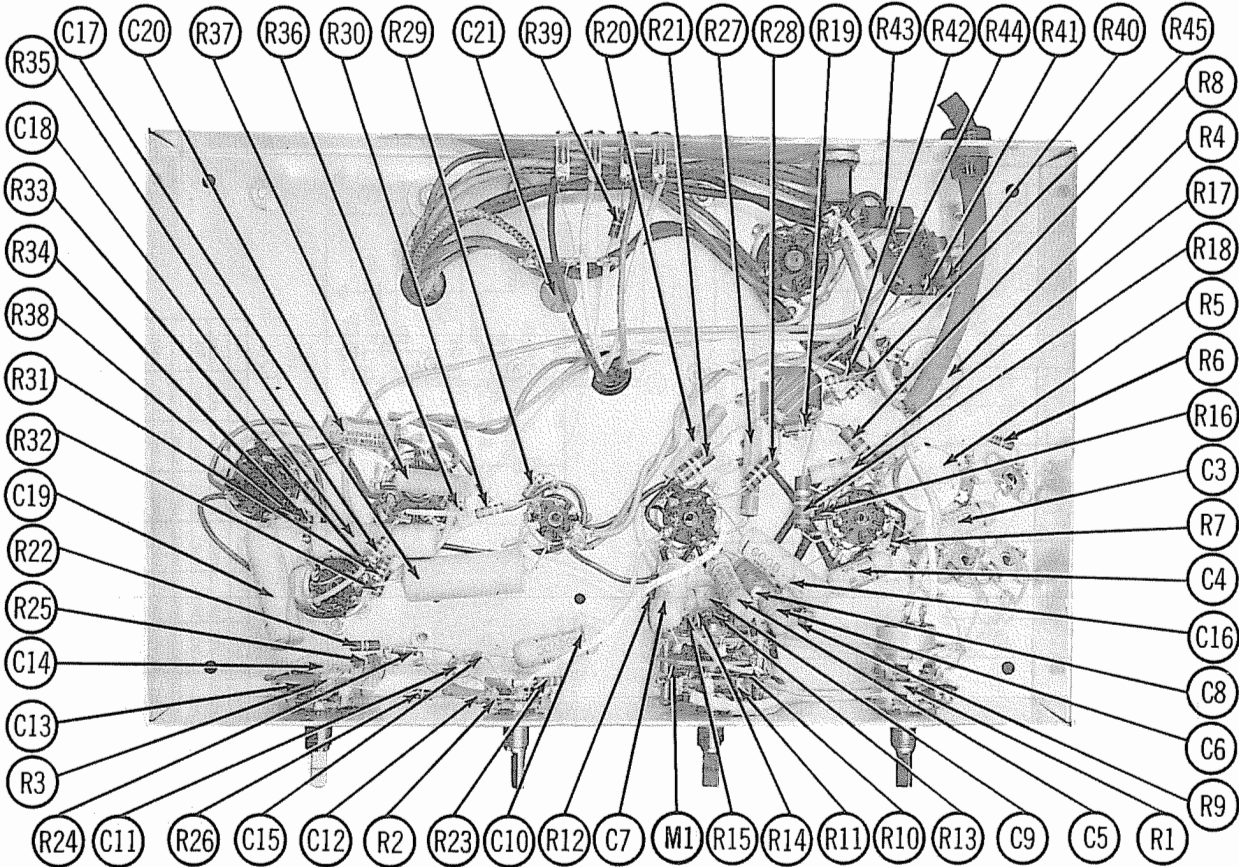
TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA				NOTES
		PILOT PART No.	SEC. 1	SEC. 2	SEC. 3	
T2	8.9KΩ 16Ω CT @ 8Ω @ 4Ω	55-36	55-36	55-36	55-36	

MISCELLANEOUS

ITEM No.	PART NAME	PILOT PART No.	NOTES
M1	Switch	Equalizer & Selector	

CHASSIS--BOTTOM VIEW



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