

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	12AX7	1485KΩ	80	1.5KΩ	250Ω	220Ω	1515KΩ	120KΩ	4.7KΩ	220Ω
V 2	6J7	0Ω	250Ω	1515KΩ	12.7Meg	2.2KΩ	0Ω	220Ω	2.2KΩ	220Ω
V 3	12AX7	1485KΩ	150KΩ	2.7KΩ	220Ω	220Ω	1485KΩ	0.2KΩ	2.2KΩ	220Ω
V 4	6L6G	0Ω	250Ω	150Ω	15KΩ	470KΩ	40KΩ	250Ω	200Ω	200Ω
V 5	6L6G	0Ω	220Ω	153Ω	15KΩ	40KΩ	INF	220Ω	200Ω	200Ω
V 6	5Y3GT	INF	80KΩ	INF	54Ω	INF	50Ω	INF	80KΩ	80KΩ

* MEASURED FROM PIN 8 OF VL

A PHOTOFACT STANDARD NOTATION SCHEMATIC
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- 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 ± 1% in voltage and resistance readings.
- 6-All controls at minimum, proper output load connected.

MASCO
MODEL MU-17



TRADE NAME	Masco Model MU-17
MANUFACTURER	Mark-Simpson Mfg. Co., 32-28 49th St., Long Island City 3, N. Y.
TYPE SET	AC Operated 4 Channel Audio Amplifier
TUBES (SIX)	Types 12AX7 Pre Amp., 6J7 Mic. Pre-Amp., 12AX7 AF Amp. -Phase Inv., (2) 6L6G Audio Output, 5Y3GT Rectifier
POWER SUPPLY	110-120 Volts - 50/60 Cycles RATING .93 Amp. @ 117 Volts AC

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

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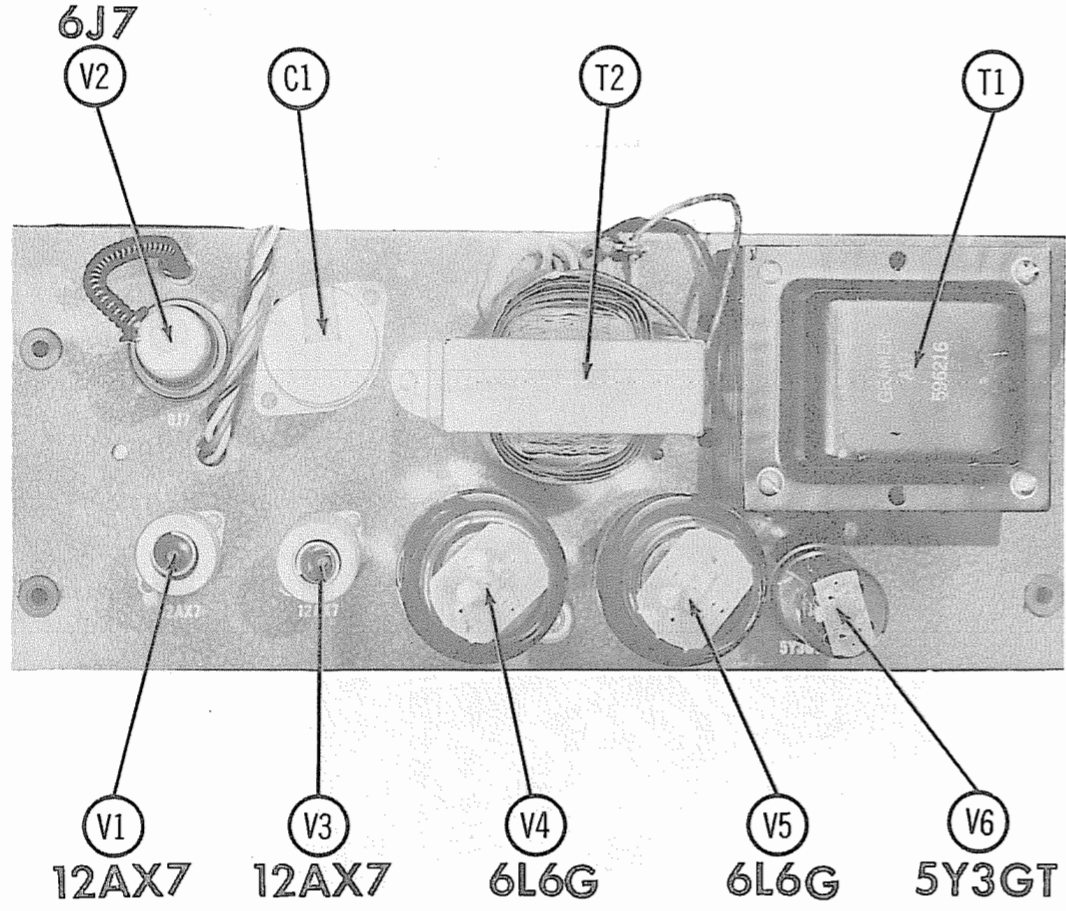
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MASCO
MODEL MU-17

**PARTS LIST AND DESCRIPTIONS
TUBES (SYLVANIA or Equivalent)**

MASCO
MODEL MU-17

CHASSIS—TOP VIEW



ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	NOTES
		MASCO PART No.	STANDARD REPLACEMENT		
V1	Pre-Amplifier	12AX7	12AX7	9A	
V2	Mic Pre-Amp.	12AX7	6J7	7R	
V3	AF Amplifier	12AX7	6J7	9A	
V4	Phase Inverter	6L6G	6L6G	7AC	
V5	Audio Output	6L6G	6L6G	7AC	
V6	Rectifier	5Y3GT	5Y3GT	5T	

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
		MASCO PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	
C1A	10		AFH-14	UP121145	
C1B	450				Note 1
C1C	450				Note 1
C1D	450				Note 1
C2	50	PR550/50			
C3	50	PR550/50			
C4	50	PR550/50			
C5	50	PR550/50			
C6	.01	P688-01	D6-103	GP2-333-103	
C7	.01	P688-01	D6-103	GP2-333-103	
C8	.01	P688-01	D6-103	GP2-333-103	
C9	.005	P688-005	DF-503	GP2-333-502	
C10	.005	P688-005	DF-502	PT625	
C11	.01	P688-01	D6-103	GP2-333-103	
C12	.01	P688-01	D6-103	GP2-333-103	
C13	.1	P688-1	DF-104	PT601	Note 2

Note 1. Some Models use 10MFD in this application.

Note 2. Not used in all Models.

CONTROLS

ITEM No.	RATING RESIST-ANCE	REPLACEMENT DATA			INSTALLATION NOTES
		MASCO PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R1A	500KΩ		Q3-133	B-60	Input #1 & #2
R1B	500KΩ	Not Req.	RS-2	Not Req.	Attach to R1A
R2A	500KΩ	Not Req.	Q3-133	B-60	Input #3
R2B	500KΩ	Not Req.	RS-2	Not Req.	Attach to R2A
R3A	500KΩ	Not Req.	Q3-133	B-60	Mike Input
R3B	500KΩ	Not Req.	RS-2	Not Req.	Attach to R3A
R4A	500KΩ	Not Req.	Q3-133	B-60	Tone
R4B	500KΩ	Not Req.	RS-2	Not Req.	Attach to R4A
R5A	50Ω		A43-75	C50P	Hum Balance-wire wound-Note
R5B	50Ω		FES-1/4	Not Req.	Attach to R5A

Note 1. Some Models use an 80Ω control in this application.

RESISTORS

ITEM No.	RATING OHMS	WATT	REPLACEMENT DATA		ITEM No.	NOTES	REPLACEMENT DATA		ITEM No.	NOTES
			MASCO PART No.	IRC PART No.			MASCO PART No.	IRC PART No.		
R6	270KΩ				R20	100KΩ				
R7	270KΩ				R21	470Ω				
R8	1MΩ				R22	2200Ω				
R9	4700Ω				R23	470KΩ				
R10	470KΩ				R24	470KΩ				
R11	100KΩ				R25	470KΩ				
R12	270KΩ				R26	8200Ω				
R13	270KΩ				R27	200Ω				
R14	470KΩ				R28	470KΩ				
R15	1500Ω				R29	47KΩ				
R16	470KΩ				R30	5000Ω				
R17	2200Ω				R31	12KΩ				
R18	470KΩ				R32	27KΩ				
R19	2.7MΩ									

Note 1. Some Models use a 125Ω resistor in this application.

Note 2. Some Models use a 270KΩ resistor in this application.

**PARTS LIST AND DESCRIPTIONS (Continued)
TRANSFORMER (POWER)**

ITEM No.	RATING	REPLACEMENT DATA			NOTES
		MASCO PART No.	STANCOR PART No.	MERIT PART No.	
T1	117VAC 660VCT 5VAC ② .93A 117VADC ③ 3.9A ④ 3A		P-5059 ①	P-2953	PH-120B R-16B

① Do not use center tap on low voltage windings.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING	REPLACEMENT DATA			NOTES
		MASCO PART No.	STANCOR PART No.	MERIT PART No.	
T2	4.6KΩ 6.4Ω 103Ω .46Ω				S-29X

SPEAKER

ITEM No.	RATINGS	REPLACEMENT DATA			NOTES
		MASCO PART No.	JENSEN PART No.	OUJAM PART No.	
SP1	SIZE 12" PM 6.4Ω		ST-119 Mod. P10-T	10A4	

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA			NOTES
			MASCO PART No.	LITTELFUSE PART No.	BUSS PART No.	
M1	ACM, 2A 250V.			342002	342001	ACM-2 HKP

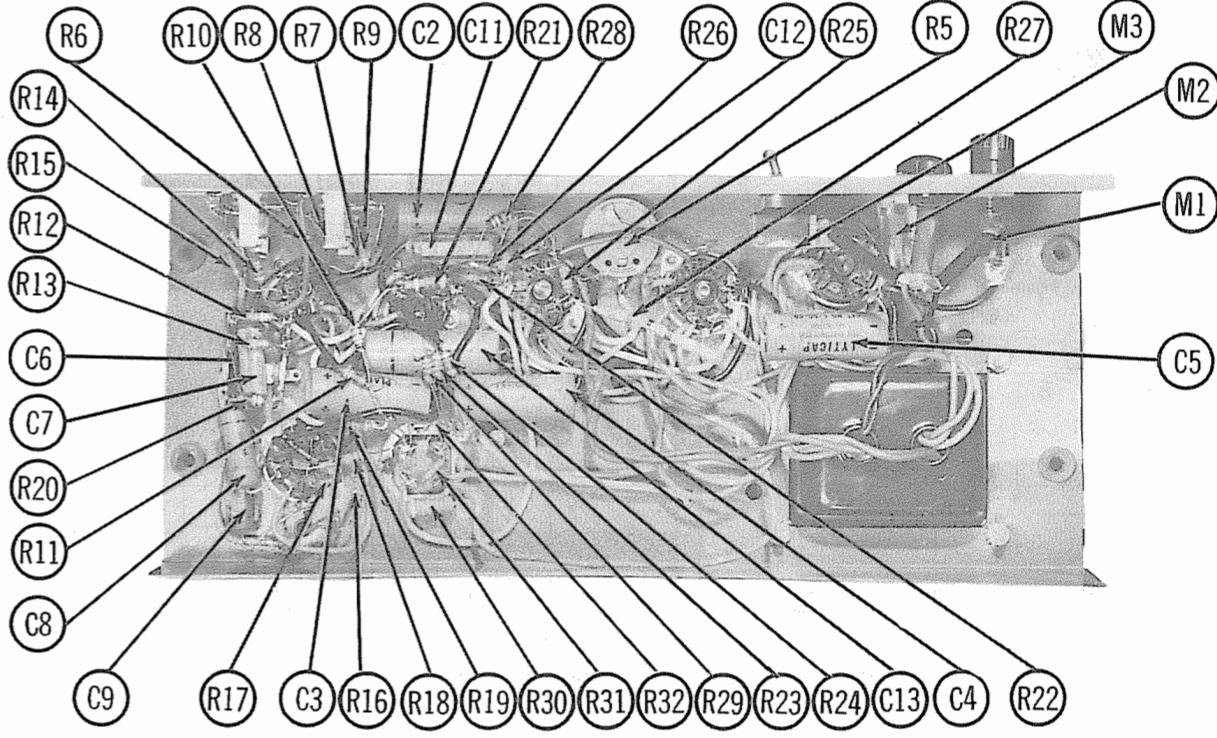
DIAL LIGHTS

ITEM No.	BASE TYPE	VOLTS	AMPS	BEAD COLOR	REPLACEMENT DATA		NOTES
					MASCO PART No.	MASCO PART No.	
M2	Bayonet	6-8	.15	Brown			Type #47

MISCELLANEOUS

ITEM No.	PART NAME	MASCO PART No.	NOTES
M3	Switch		On/off

CHASSIS—BOTTOM VIEW



MASCO
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