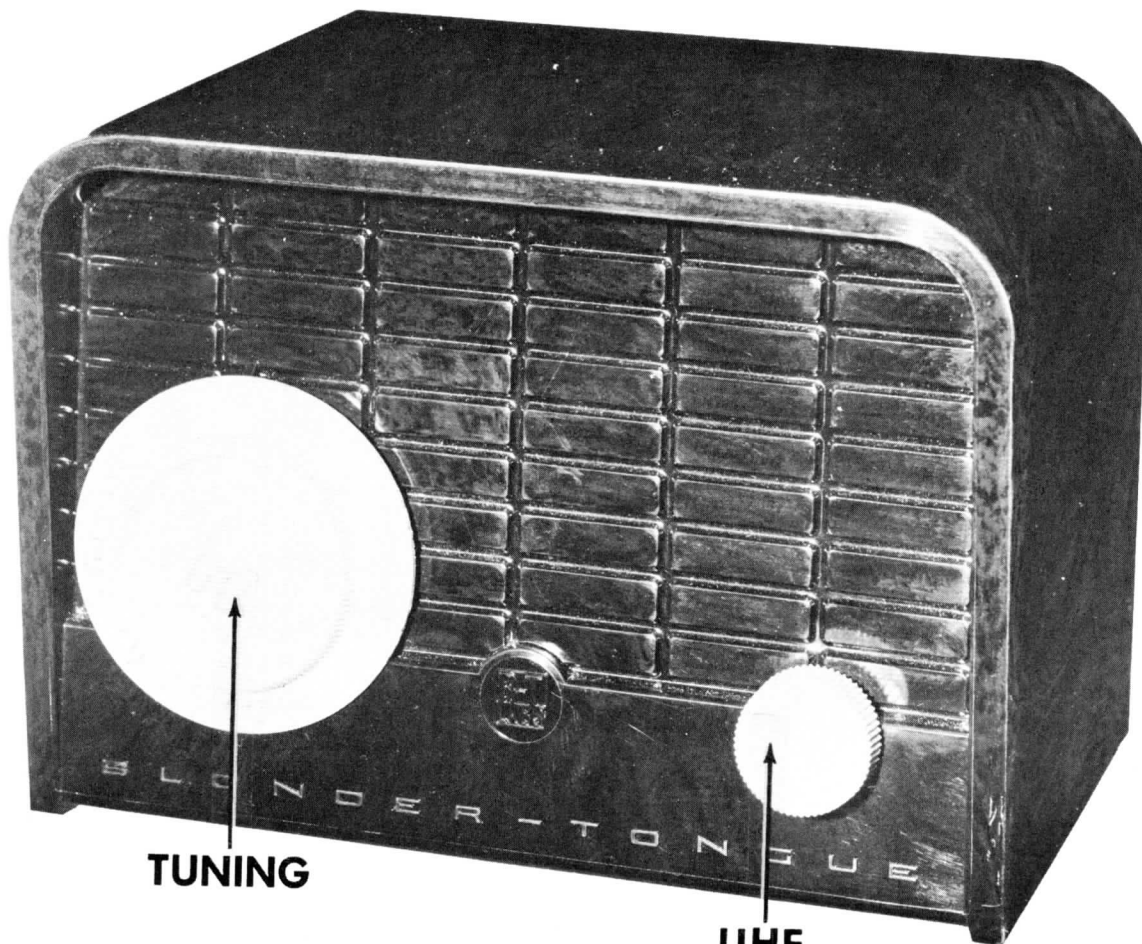




**BLONDER-TONGUE  
MODEL 99 (UHF Conv.)**

**BLONDER-TONGUE  
MODEL 99 (UHF Conv.)**



**TUNING**

**UHF  
VHF  
OFF  
SWITCH**

TRADE NAME	Blonder-Tongue Model 99		
MANUFACTURER	Blonder-Tongue Laboratories, Inc., Westfield, N.J.		
TYPE SET	AC Operated All Channel UHF Converter		
TUBE	Type 6AF4 Oscillator (6T4 Alternate)		
POWER SUPPLY	110- 120 Volts AC-60 Cycles	RATING	.05 Amp. @ 117 Volts AC
TUNING RANGE	Channels 14 thru 83		

**THIS UNIT IS PRE-ALIGNED AT THE FACTORY AND IS VERY STABLE. ALIGNMENT SHOULD NOT BE REQUIRED IN THE FIELD.**

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

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# PARTS LIST AND DESCRIPTIONS

BLONDER-TONGUE  
MODEL 99

# CHASSIS—TOP VIEW

## TUBES (SYLVANIA, GENERAL ELECTRIC, WESTINGHOUSE)

ITEM No.	USE	REPLACEMENT DATA		RETMA BASE TYPE	NOTES
		Blonder-Tongue PART No.	STANDARD REPLACEMENT		
V1	UHF Oscillator	6AF4	6AF4	7DK	6T4 used as an alternate

## 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		REPLACEMENT DATA							NOTES
	CAP.	VOLT	Blonder-Tongue PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	MALLORY PART No.	SPRAGUE PART No.	
C1A	20	150		PRS150/20-		BBRD2215		TCD45	TVA-2428	
B	20	150								
C2	.82									
C3	.82									
C4	1.5			SI1.5NP0	TCZ-1.5	TZ04	NP0A-1R5	ZT-5515	5TCCB-V15	
C5	1.5			SI1.5NP0	TCZ-1.5	TZ04	NP0A-1R5	ZT-5515	5TCCB-V15	
C6	4.7			SI4.7NP0	TCZ-4.7	Z010	NP0A-4R7	ZT-555	5TCCB-V47	
C7	4.7			SI4.7NP0	TCZ-4.7	Z010	NP0A-4R7	ZT-555	5TCCB-V47	
C8	10			SI10NP0	D6-100	TP09	GPIK-100	UC-541	5GA-Q1	
C9	10			SI10NP0	D6-100	TP09	GPIK-100	UC-541	5GA-Q1	
C10	10			SI10NP0	D6-100	TP09	GPIK-100	UC-541	5GA-Q1	
C11	10			SI10NP0	D6-100	TP09	GPIK-100	UC-541	5GA-Q1	

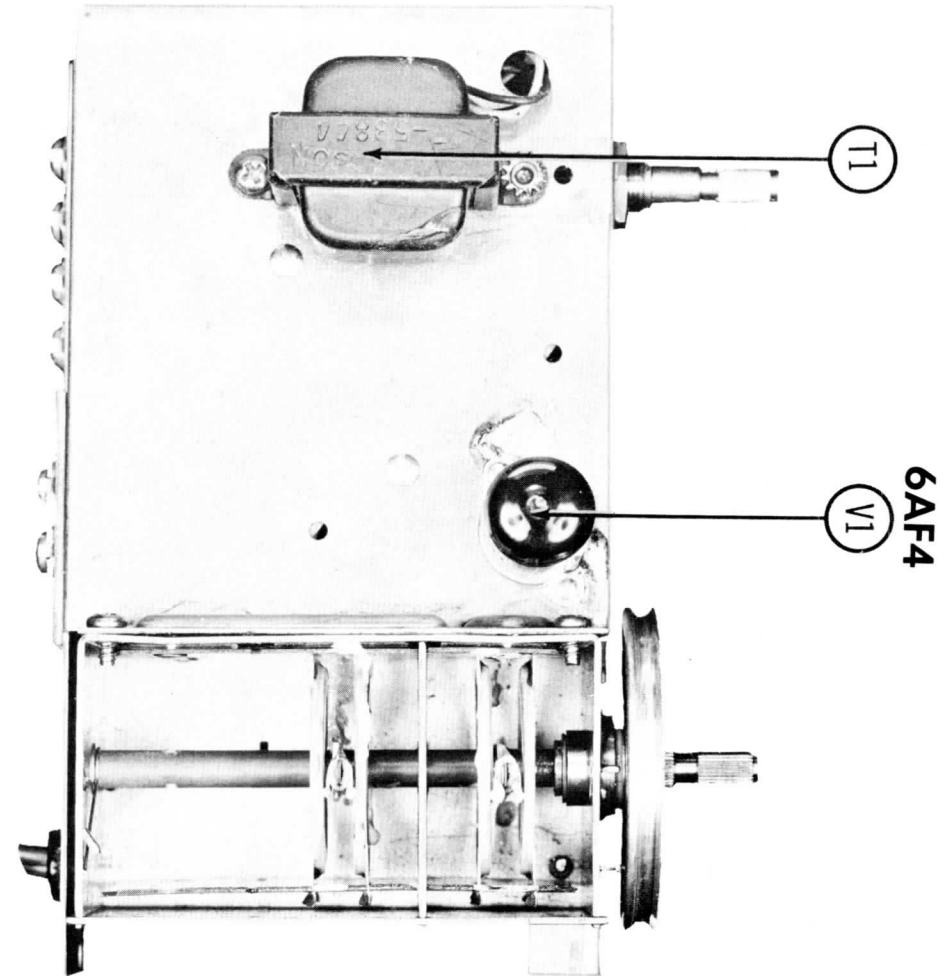
## RESISTORS

ITEM No.	RATING		REPLACEMENT DATA		NOTES	ITEM No.	RATING		REPLACEMENT DATA		NOTES
	OHMS	WATT	Blonder-Tongue PART No.	IRC PART No.			Blonder-Tongue PART No.	IRC PART No.			
R1	15K $\Omega$	$\frac{1}{2}$		BTS-15K		R3	100 $\Omega$	$\frac{1}{2}$		BTS-100	
R2	1500 $\Omega$	1		BTA-1500							

## TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA					
	PRI.	SEC. 1	SEC. 2	SEC. 3	Blonder-Tongue PART No.	Stancor PART No.	Merit PART No.	Triad PART No.	Haldorson PART No.	Thordorson PART No.
T1	117VAC @ .05A tap @ 6.3VAC @ .23A				T9	PS-8415 ① ②	P-2944①			

- ① Transformer has separate filament winding.  
② Drill one new mounting hole.



# PARTS LIST AND DESCRIPTIONS (Continued)

## COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA				NOTES
		PRI.	SEC.	Blonder-Tongue PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	
L1	UHF Ant. Coil	0Ω						
L2	UHF Ant. Coil	0Ω						
L3	UHF Osc. Coil	0Ω						
L4	UHF IF Coupling							
L5	UHF RF Choke	0Ω						
L6	UHF RF Coil	0Ω						
L7	UHF Fil. Choke	0Ω						
L8	UHF Fil. Choke	0Ω						
L9	UHF RF Choke	0Ω						

## SELENIUM RECTIFIER

ITEM No.	RATING		REPLACEMENT DATA					NOTES	
	CURRENT		Blonder-Tongue PART No.	FEDERAL PART No.	INTERNATIONAL PART No.	MALLORY PART No.	SARKES TARZIAN PART No.		SELETRON PART No.
M1	.015ADC			1159 ①	CR-38 ①	8S20	50	8Y1	① Add mounting lugs to mount selenium

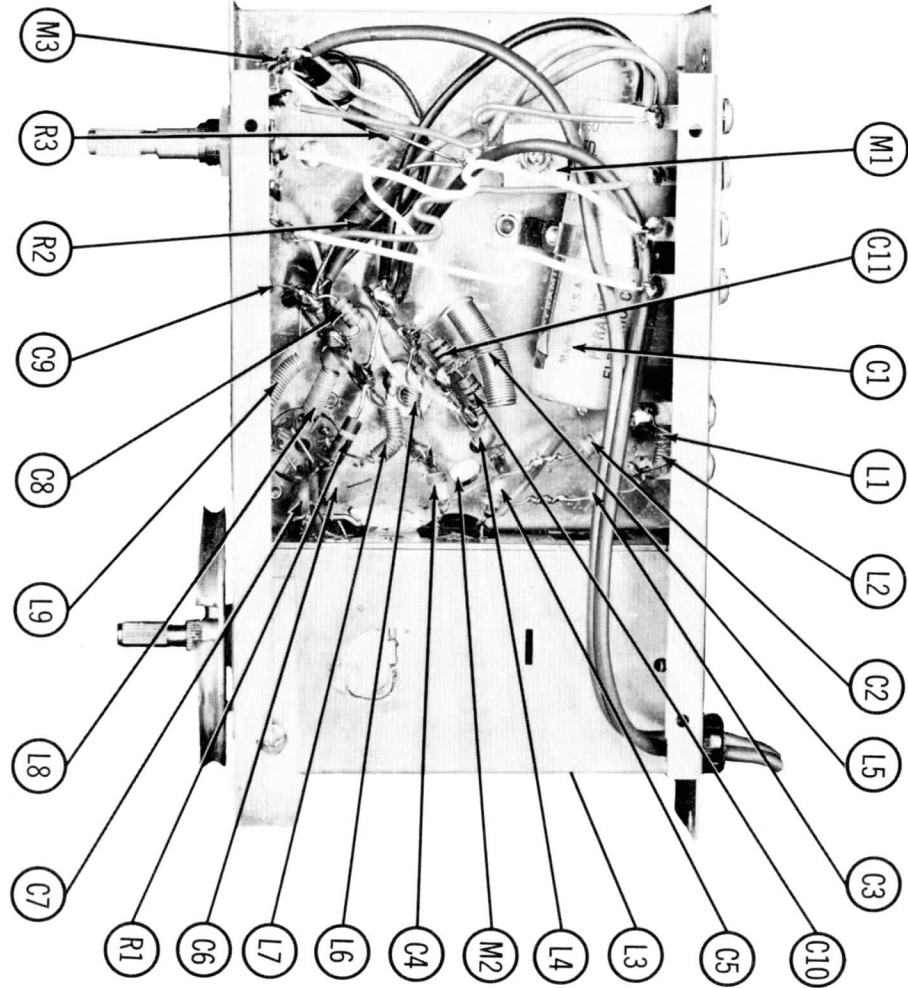
## CRYSTAL DIODES

ITEM No.	ORIG. TYPE	REPLACEMENT DATA			NOTES
		Blonder-Tongue PART No.	SYLVANIA PART No.	FEDERAL PART No.	
M2	TS-3		1N82 or 1N82A		UHF Mixer

## MISCELLANEOUS

ITEM No.	PART NAME	Blonder-Tongue PART No.	NOTES
M3	Switch		VHF-UHF

# CHASSIS—BOTTOM VIEW



BLONDER-TONGUE  
MODEL 99

BLONDER-TONGUE  
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