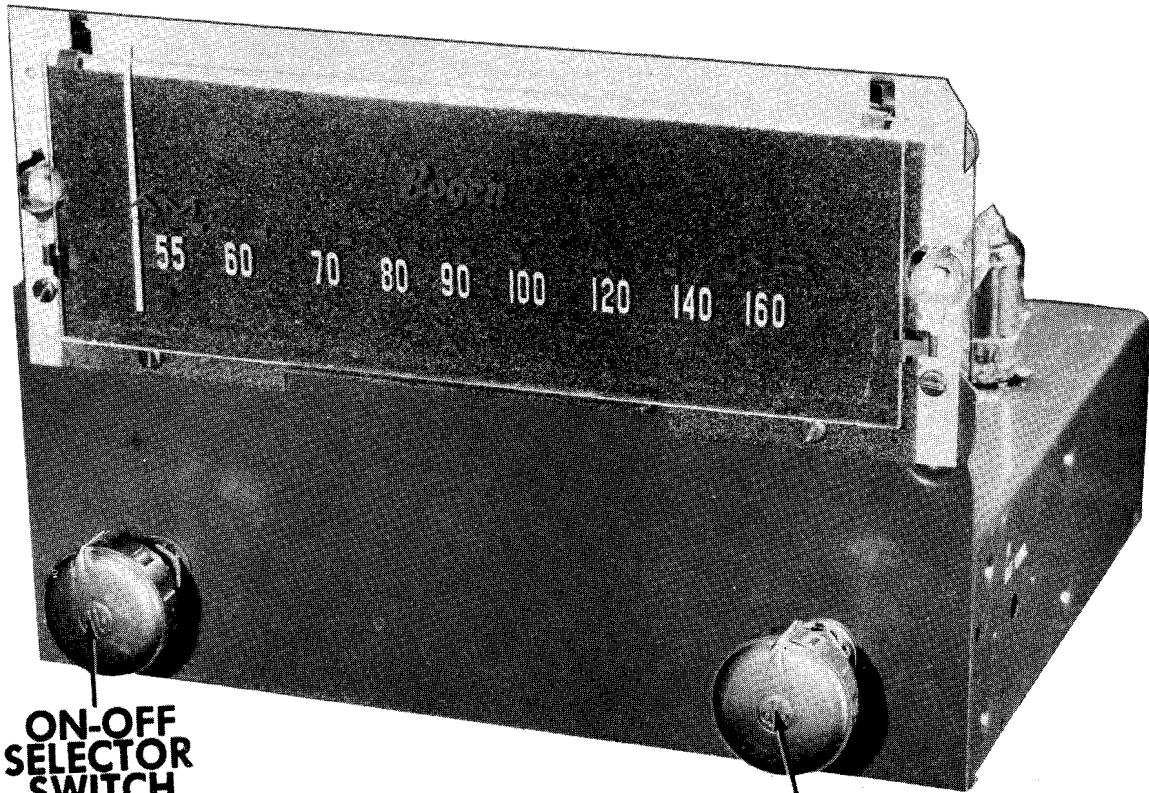


PHOTOFACT* Folder



DAVID BOGEN
MODEL AM901

DAVID BOGEN
MODEL AM901



ON-OFF
SELECTOR
SWITCH

TUNING
CONTROL

DAVID BOGEN
MODEL AM901

TRADE NAME	David Bogen Model AM 901					
MANUFACTURER	David Bogen Co., Inc., 663 Broadway, New York, New York					
TYPE SET	AC Operated AM Superheterodyne Receiver for Custom Installation					
TUBES (Five)	6BA6 RF Amp., 6BE6 Conv., 6BA6 IF Amp., 12AU7 or 12AT7 Det. -AVC-AF Amp., 6X4 Rect.					
POWER SUPPLY	110-120 Volts AC-60 Cycle					RATING .16 Amp. @ 117 Volts AC
TUNING RANGE—BROADCAST	535-1650 KC					
ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
Connect tuner output to an audio amplifier during alignment. To set pointer, turn tuning capacitor fully closed and set pointer to last reference mark at low frequency end of dial. Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1. .1MFD	High side to Pin 7 (grid) of 6BE6 (V2). Low side to chassis.	455KC (400Ω Mod)	Tuning gang fully open.	Across voice coil.	A1, A2 A3, A4	Adjust for maximum output.
2. 200MMF	High side to antenna terminal. Low side to chassis.	600KC	600KC	"	A5, A6 A7	Adjust in order given for maximum output.
3. "	"	1500KC	1500KC	"	A8, A9, A10	Adjust in order given for maximum output. Repeat Steps 2 and 3 for optimum results.

If interference whistle is noted between two adjacent stations adjust 10KC filter slug, All, to minimize interference.

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

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DATE 2-53

SET 195

FOLDER 6

DAVID BOGEN
MODEL AM90L

PARTS LIST AND DESCRIPTIONS TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RTMA BASE TYPE	INSTALLATION NOTES
		David Bogen PART No.	STANDARD REPLACEMENT		
V1	RF Amplifier	6BA6	6BA6	7BK	
V2	Converter	6BE6	6BE6	7CH	
V3	IF Amplifier	6BA6	6BA6	7BK	
V4A	Det. -AVC-AF Amp.	12AU7	12AU7	9A	
V4B	Det. -AVC-AF Amp.	12AT7	12AT7	9A	
V5	Rectifier	6X4	6X4	5BS	

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. VOLTS	REPLACEMENT DATA				NOTES
		David Bogen PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	
C1A	.20	450	AFH2-69	B050	FP237	TVL-4760
C2	.40	450	BFD-01	TM5S1	821-01	5HK-S1
C3	10000		BFD-01	TM5S1	821-01	5HK-S1
C4	47		SH7	5R5Q8	UC-5447	5GA-Q47
C5	10000		BFD-01	TM5S1	821-01	5HK-S1
C6	.05	400	P488-05	PT415	PT415	4TM-S5
C7	.01	600	P688-01	PT661	GP2-333-103	6TM-S1
C8	.01	600	P688-01	PT661	GP2-333-103	6TM-S1
C9A	100		SI100	TM5T1	1403-01	400C1
C9B	100		SI100	TM5T1	1403-01	400C1
C10	.01	600	P688-01	PT661	GP2-333-103	6TM-S1
C11	.03	400	P488-03	PT415	PT415	4TM-S3
C12	.05	400	P488-05	PT415	PT415	4TM-S5
C13	.01	600	P688-01	PT661	GP2-333-103	6TM-S1
C14	.01	600	P688-01	PT661	GP2-333-103	6TM-S1
C15	.05	600	P688-05	PT615	PT615	6TM-S5
C16	.047	400	P488-047	PT4147	PT4147	4TM-S47

* Items C9A, C9B, R9 are combined in one unit.

RESISTORS

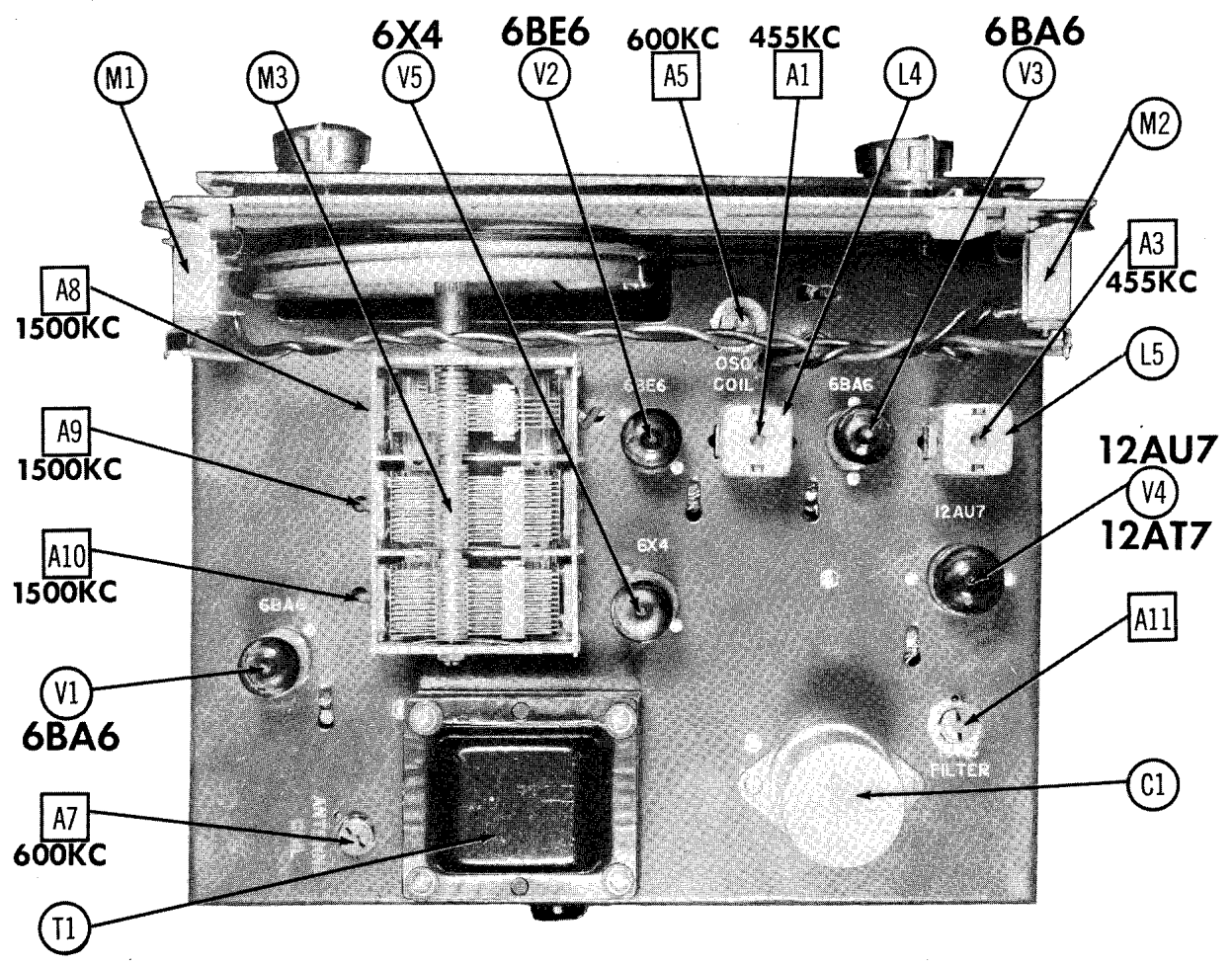
ITEM No.	RATING OHMS WATT	REPLACEMENT DATA		NOTES
		David Bogen PART No.	IRC PART No.	
R1	100KΩ		BTS-100K	
R2	100KΩ		BTS-100K	
R3	100KΩ		BTS-100K	
R4	10000		BTS-10K	
R5	22KΩ		BTS-22K	
R6	1000Ω		BTS-1000	
R7	1000Ω		BTS-1000	Note.
R8	3.3Meg		BTS-3.3Meg	
R9	47KΩ		BTS-47K	

NOTE: Some models use a 47Ω resistor in this application. * Items R9, C9A, C9B are combined in one unit.

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA				
	PRI.	SEC. 1	SEC. 2	SEC. 3	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	TRIAD PART No.
T1	117V	300Vet	6.3V					
	.16A	.007A	2.1A					

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	David Bogen PART No.	MERIT PART No.	
L1	Ant. Coil	34Ω	2.8Ω	U-304		Tapped @ .2Ω.
L2	RF Coil	78Ω	3Ω	U-301		Tapped @ 2Ω.
L3	Osc. Coil	2.2Ω	18Ω	U-303		
L4	Input IF	18Ω	18Ω	H-368		
L5	Output IF	18Ω	18Ω	H-368		

10KC FILTER CHOKE

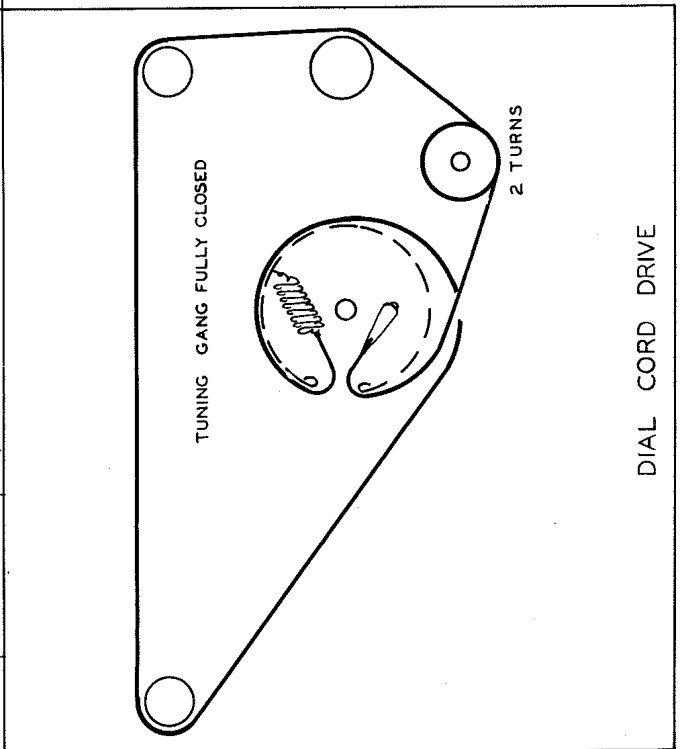
ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	David Bogen PART No.	MERIT PART No.	
L6	10KC Filter	124Ω		U-201		

DIAL LIGHTS

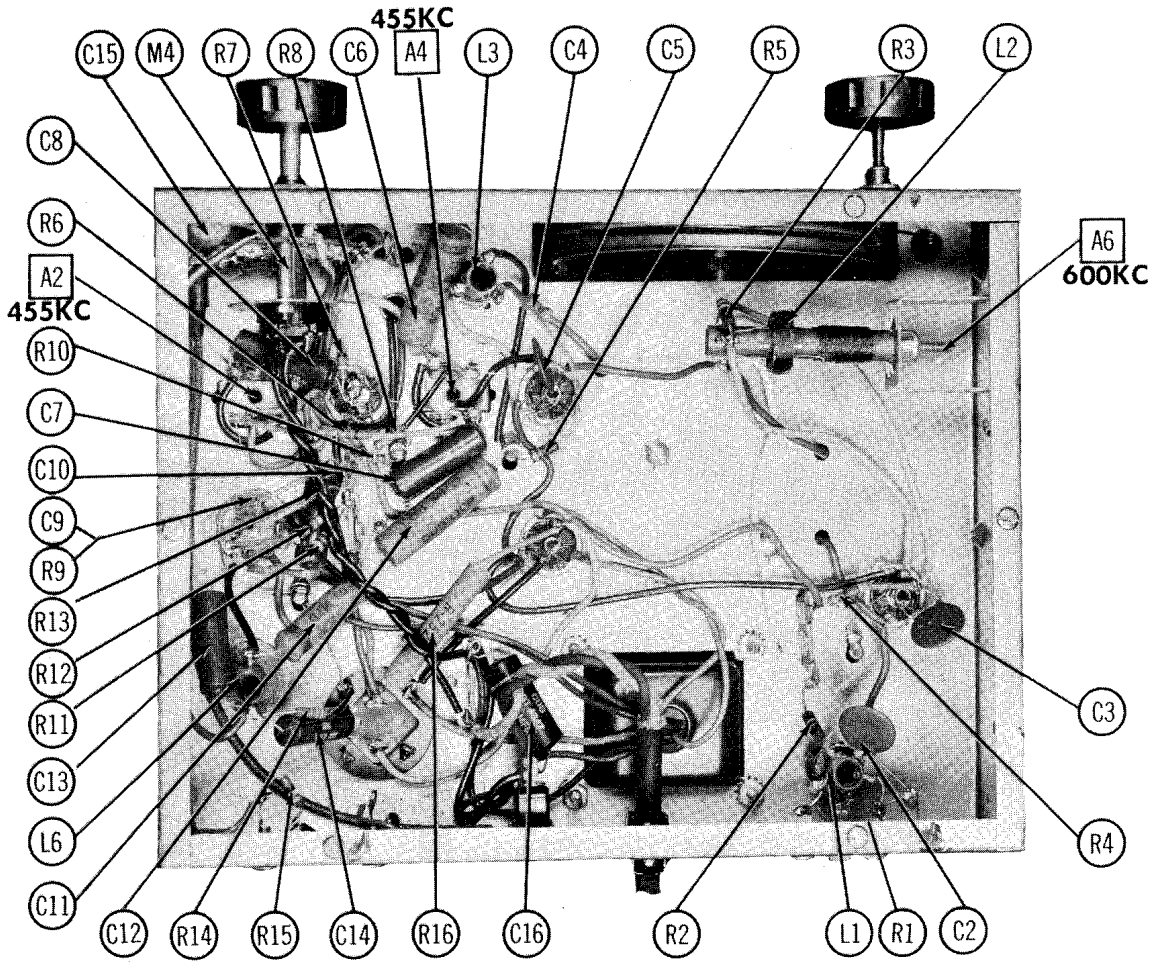
ITEM No.	BASE TYPE	VOLTS	AMPS.	BEAD COLOR	REPLACEMENT DATA		NOTES
					David Bogen PART No.	MERIT PART No.	
M1	Bayonet	7.5	.2	White			Type No. 51
M2	Bayonet	7.5	.2	White			Type No. 51

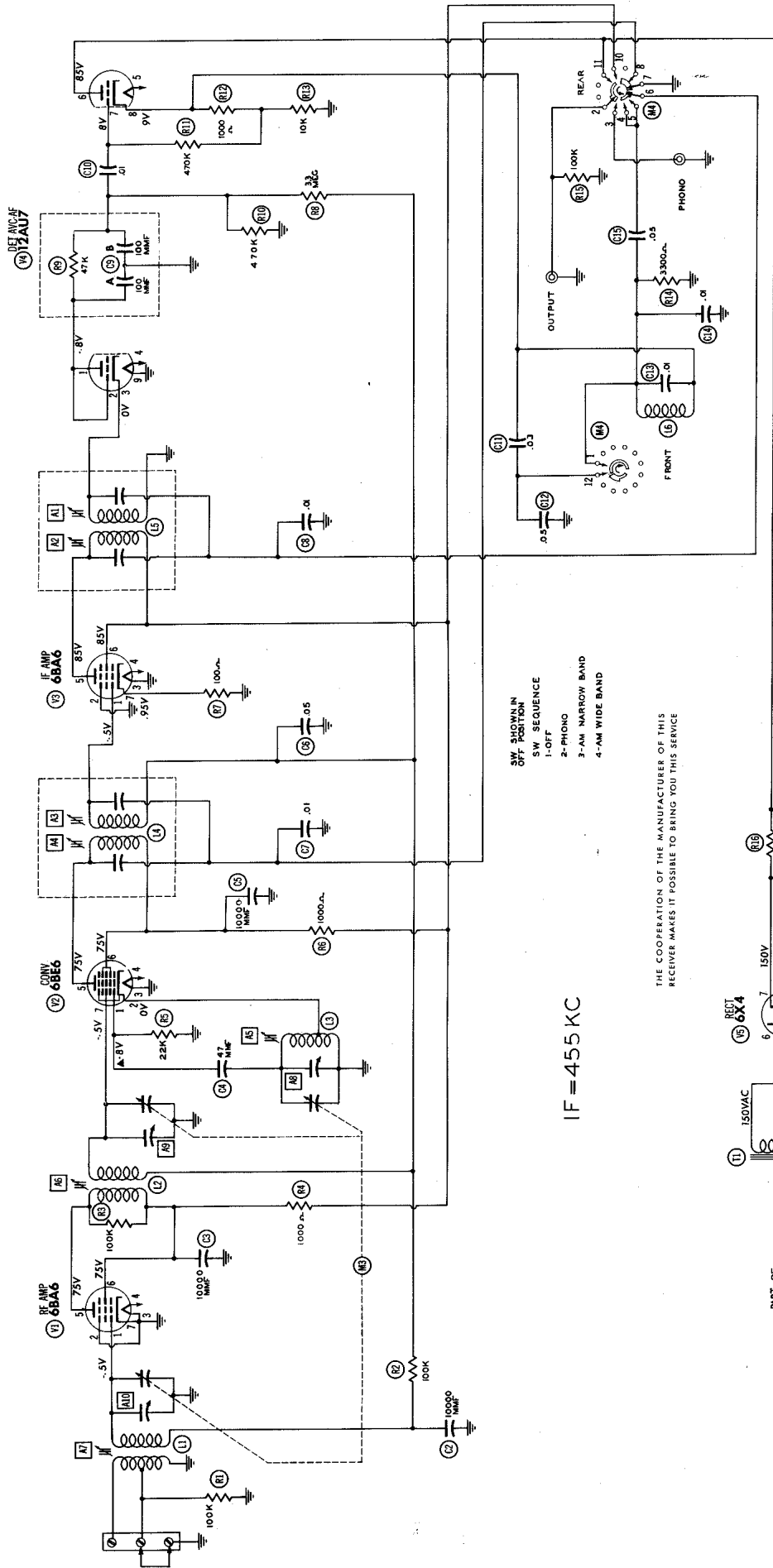
MISCELLANEOUS

ITEM No.	PART NAME	David Bogen PART No.	NOTES
M3	Tuning Capacitor	C-622	30-498 MMF, 30-498 MMF, 36-203 MMF.
M4	Switch	S-372B	"On/Off" - Function Selector.



CHASSIS—BOTTOM VIEW

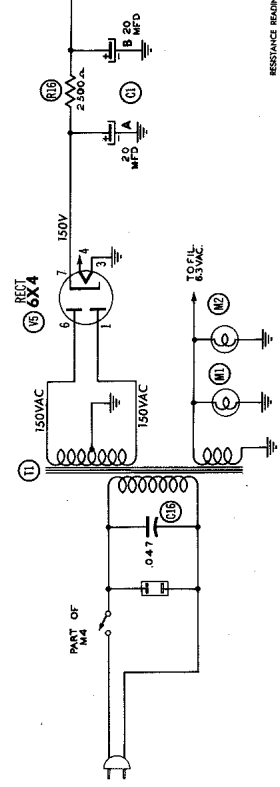




SW SHOWN IN OFF POSITION
 SW SEQUENCE
 1-OFF
 2-PHONO
 3-AM NARROW BAND
 4-AM WIDE BAND

IF = 455 KC

THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE



RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6BA6	3, 2B6Z	00	00	10	13, 5K0	00			
V 2	6BE6	2Z6D	00	00	10	13, 5K0	13, 5K0	00		
V 3	6BE5	3, 2B6Z	00	00	10	13, 5K0	13, 5K0	13, 5K0	00	
V 4	6AV6	3, 2B6Z	00	00	10	12, 5K0	12, 5K0	1000		
V 5	6X4	1A0T	3U7K0	1B0	10	10	12, 5K0	60K0	1K0	00
		1A0T	3U7K0	1B0	10	10	12, 5K0	60K0	1K0	00
		1A0T	3U7K0	1B0	10	10	12, 5K0	60K0	1K0	00

* TAKEN WITH VACUUM TUBE VOLTMETER.
 † MEASURED FROM PIN 7 OF V5.
 ‡ MEASUREMENTS TAKEN IN "AM-WIDE BAND" POSITION.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
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1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 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 $\pm 10\%$ in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.