

200V VOLTAGE CHART

TRANSMITTER ON STANDBY UNLESS OTHERWISE NOTED AS
BASED ON 175 WATTS INPUT, 80 λ C.W. TUNED TO 3.5 MC.

TUBE	TYPE	FUNCTION	PIN#	1	2	3	4	5	6	7	8	9
V1	6BL8	MIC & VOX AUDIO AMP	83	0	72	FIL.		150	1	2.2	0	
V2	12AT7	QT AMP	110	0	1.8	FIL.		130	0	2.1	FIL.	
V3	12AT7	VOX & RELAY	275	MIN. 9 MAX. 23	MIN. 12 MAX. 27	FIL.		120	0	1.8	FIL.	
V4	6BL8	AUDIO AMP (LIMITER)	90	0	52	FIL.		90	2	4.3	0	
V5	6AL5	VOX - QT RECT.	0	MAX.VOX -20	FIL.		MAX.VOX +30	NC	MAX.VOX -18	NC	NC	
V6	6BL8	AUDIO AMP (FILTER)	70	0	135	FIL.		115	2.8	3.2	0	
V7	12AT7	PHASE INVERTER	110	6	8.2	FIL.		38	1.7	2.5	FIL.	
V8	12AT7	AUDIO AMP	23	.8	1.8	FIL.		23	.8	1.8	FIL.	
V9	12AT7	AUDIO AMP	70	0	1.3	FIL.		70	0	1.3	FIL.	
V10	12BH7	AUDIO AMP	130	0	4.2	FIL.		130	0	4.2	FIL.	
V11	6BL8	OSC. & REACT'NCE	145	3.8	115	FIL.		125	10	FSK-1 0-40 FSK-2 10-0	0	
V12	6EH7	1ST RF MIXER	0	-120	0	FIL.		0	280	210	0	
			4	0	4			0	180	110	0	
V13	6EJ7	2ND RF MIXER	0	-120	0	FIL.		0	280	140	0	
			.85	0	.85			0	250	56	0	
V14	6BQ5	RF DRIVER	-120	-120	0	FIL.		0	340	NC	340	
			-11	-11	.5			0	310	NC	280	
V15	6550	RF POWER	0	FIL.	760	340	-120	NC	FIL.	0	NC	
					680	320	-38			1.8		
V16	6550	AMP	0	FIL.	760	340	-120	NC	FIL.	0	NC	
					680	320	-38			1.8		
V17	6BL8	VFO OSC.	150	4.5	60	FIL.		105	11	21	17	
V18	6CB6	VFO AMP	-2.2	.6	FIL.		150	135	.6	NC	NC	
V19	6AB4	HF OSC.	150	NC	FIL.		NC	8.1	13	NC	NC	
V20	6CB6	BUFFER DOUBLER	-120	0	FIL.		340	340	0	NC	NC	
			0	4.8			250	200	4.8			
V21	6BL8	8MC HORI. AMP	150	0	90	FIL.		48	2	7.3	0	
V22	2AP1	SCOPE	FIL. #1 & 11	40	660	200	NC	660	660	660	660	
	C88-102	SEL. BRDG. RECTIFIER	450 AC	700	450 AC	0	NC	NC	NC	NC	NC	

• = STBY. ▲ = ON

200V

RF VOLTAGE CHART

VTVM PROBE-TYPICAL READING RMS
AT 180 WATTS CW INPUT

BAND	VFO	1ST. MIXER		2ND MIXER		DRIVER		BUFFER DOUBLER	FINAL
	TP	GRID	CATHODE	GRID	CATHODE	GRID	CATHODE	GRID	GRID
X	2.8	X	X	X	X	X	X	X	X
80	2.8	.3	.8	.7	.8	3 *		9	25
40	2.8	.3	.8	.6	.8	2.7 *		9	20
20	2.8	1.3	1.3	.9	1.0	2.2 *		9	23
15	2.8	.3	.8	.7	.5	2.0 *		9	18
20	2.8	.3	1.0	.9	.8	3.0 *		8.4	27

* THESE VOLTAGES ARE LOWER THAN TRUE VALUE DUE TO DETUNING BY PROBE.

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K4XL's **BAMA**

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