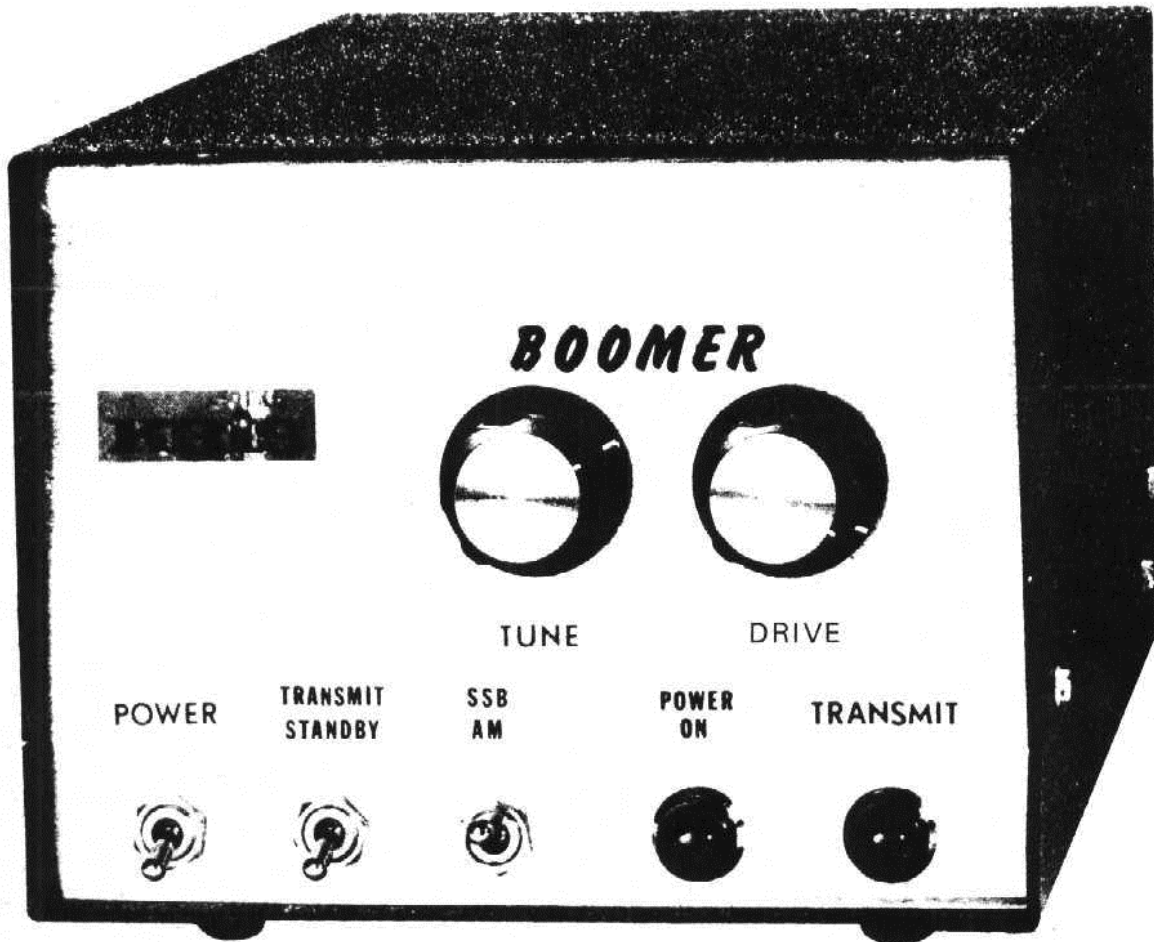


# KRIS BOOMER

## INSTRUCTION MANUAL



**KRIS**  
**KRIS** INC.

### IMPORTANT NOTICE

DO NOT ATTEMPT TO OPERATE YOUR LINEAR AMPLIFIER OR MAKE ANY CONNECTIONS UNTIL YOU HAVE READ THIS MANUAL AND UNDERSTAND YOUR AMPLIFIER FULLY.

KRIS LINEAR AMPLIFIERS HAVE BEEN DESIGNED AND MANUFACTURED WITH CARE. THEY HAVE BEEN TESTED PRIOR TO SHIPMENT TO PERFORM AS SPECIFIED.

IMPROPER OR FAULTY INSTALLATION OR MODIFICATION TO THE AMPLIFIER IS HAZARDOUS AND MAY RESULT IN IRREPLACEABLE DAMAGE AND/OR PERSONAL INJURY.

#### Warranty Registration

Fill in the enclosed Warranty Registration Card and mail it to Kris. Your warranty will be void unless this card is on file.

#### Standard Warranty

Adopted and Recommended by the Electronics Industries Association.


Kris, Inc. warrants each new electronic product manufactured by it to be free from defective material and workmanship and agrees to remedy any such defect or to furnish a new part, in exchange for any part of any unit of its manufacture which under normal installation, use and service disclosed such defect, provided the unit is delivered by the owner to us or to our authorized radio dealer or wholesaler from whom purchased, or authorized service station, intact, for our examination, with all transportation charges prepaid to our factory, within 90 days from the date of sale to original purchaser and provided that such examination discloses, in our judgment that it is thus defective.

This warranty does not extend to any of our electronic products which have been subjected to misuse, neglect, accident, incorrect wiring not our own, improper installation, unauthorized modifications, or to use in violation of instructions furnished by us, nor extends to units which have been repaired or altered outside of our factory, nor to cases where the serial number thereof has been removed, defaced or changed,

nor to accessories used therewith not of our own manufacture. This warranty does not cover tubes.

This warranty is in lieu of all warranties expressed or implied and no representative or person is authorized to assume for us any other liability in connection with the sale of our electronic products.

Radio receivers may be adversely affected by ignition noise from the vehicle in which they are installed or from passing vehicles. No warranty as to the performance of these equipments is expressed or implied when operating under conditions of external ignition or other electrical interference.



Note: These linear amplifiers have been designed to suppress spurious radiation that may cause television interference. There are, however, some types of TVI that cannot be prevented within the amplifier. This is particularly true in weak signal areas. In such cases, a good commercial low-pass filter is recommended. In severe cases, usually in low television signal areas, it may be necessary for a TV repairman to install a high-pass filter on the affected TV set.

## KRIS BOOMER

### INSTALLATION AND TUNING OF THE KRIS BOOMER

Care must be taken at all times to insure adequate ventilation for your Kris Boomer. Do not pile books on top of unit, or anything that will obstruct air flow. To do so will considerably shorten the life of your unit.

Turn unit on and allow 45 seconds for warm up. Connect antenna to coax connector marked "antenna" on back of unit. Connect transceiver to coax connector marked "transmitter". The green light should light when the power switch is in the "on" position. Key the unit, and adjust tune control for maximum red transmit bulb indication. Quickly tune Drive control for maximum red bulb indication. Recheck each control a few times to make sure they are at maximum transmit light indication, as there is some inter-action.

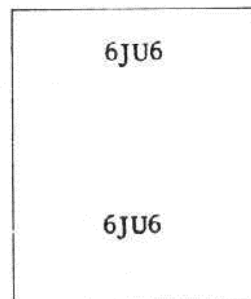
It is wise to recheck tuning often to insure that knobs have not been bumped off resonance accidentally.

Retuning is an absolute must when any change is made in the antenna system; antenna itself, feedline, SWR Bridge, etc.

When unit is unpacked and used for the first time, it may be necessary to "seat" keying relay properly. This can be done by keying unit rapidly several times.

Maximum life and efficiency is obtained from your Kris Boomer when drive is adjusted for an output of 60 to 80 watts.

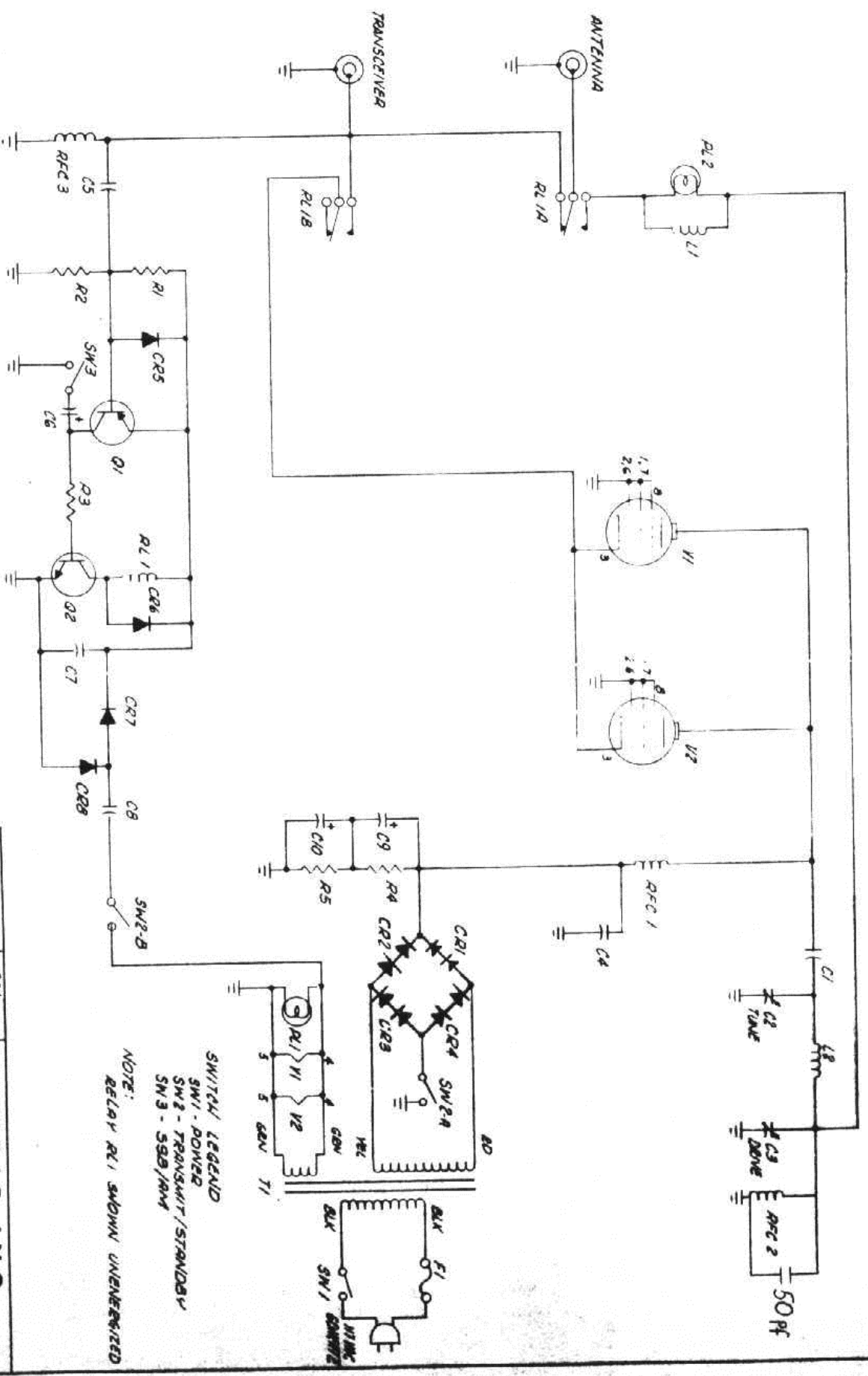
Do not substitute higher amperage fuse than supplied with unit (5AMP) as damage to power supply components could result.



**Kris BOOMER Tube Lineup**

**Front Top**

SYMBOL	PART NO.	DESCRIPTION	QUANTITY
3302028			
R2	1011533	RES 15K 1/2W 20	1
R1	1013313	RES 330 1/2W 20	1
R3	1013323	RES 33K 1/2W 20	1
R4, 5	1031042	RES 100K 2W 20	2
C1, 4	1201018	CAP H001M-3K-LG	2
C9, 10	1202002	CAP 30MFD-500V	2
C7, 8	1203001	CAP 100MFD-15V	2
C5	1204008	CAP 15UUF-500V	1
C6	1208007	CAP 47UF-16V	1
C3	1301001	VAR CAP V2393	1
C2	1301002	VAR CAP V2394	1
T1	1402002	XFMR 93P4A	1
RFC-2	1500001	CHOKER 8H2UH	1
RFC-3	1500004	CHOKER 192UH	1
RFC-1	1500014	CHOKER 8H3UH	1
Q1	1700029	TXTOR 2N2905	1
Q2	1700006	TXTOR 2N2219	1
CR1, 2, 3, 4	1800001	DIODE 1N4007	8
CR6, 7, 8	1800006	DIODE 50V-1A 1N4001	2
CR5	1800009	DIODE 1N 4148	2
RL1	1900008	RELAY 20581-81	1
	2201001	FUSE HOLDER	1
	2301004	FUSE 5 AMP	1
	2401003	PILOT LITE RED	1
	2401004	PILOT LITE GREEN	1
	2501001	BULE NO 47	2
	2600002	SWITCH DPDT	1
	2600001	SWITCH SPST	2
	2801001	TUBE SOCKET	2
	2802001	COAX CONN W/NUT	2
	2805002	TERM STRIP 4PT	1
	2805004	TERM STRIP 5PT	1
V1, 2	2900001	TUBE 6JU6	2
	3100022	PC BOARD	1
	3400043	FRONT PANEL BOOM	1
	3400044	BACK PLATE	1
	3400045	UPPER ENCLOSURE	1
	3400046	LOWER ENCLOSURE	1
	3400047	CHASSIS	1
	3705001	INSUL FEED THRU	1
	9102005	3/8 SNAP BUSH	1
	9102006	1/2 SNAP BUSH	2
	9103003	CORD AC	1
	9104001	KNOB S-1653-IL	2
	9105001	TUBE CAP	2
	9107004	MTG FEET	4



SWITCH LEGEND  
 SW1 - POWER  
 SW2 - TRANSMIT/STANDBY  
 SW3 - SSB/AM  
 NOTE:  
 RELAY RL1 SMDOWN UNENERGIZED

**K R I S I N G .**  
 GREENBAY, WISCONSIN  
**SCHEMATIC DIAGRAM -**  
**BOOMER**

NO.	REV.	DATE	BY	CHKD.
1	1	12-7-71	G.P.D.	
2	1	12-7-71	G.P.D.	
3	1	12-7-71	G.P.D.	
4	1	12-7-71	G.P.D.	
5	1	12-7-71	G.P.D.	
6	1	12-7-71	G.P.D.	
7	1	12-7-71	G.P.D.	
8	1	12-7-71	G.P.D.	
9	1	12-7-71	G.P.D.	
10	1	12-7-71	G.P.D.	