

# ILLUSTRATION BOOKLET

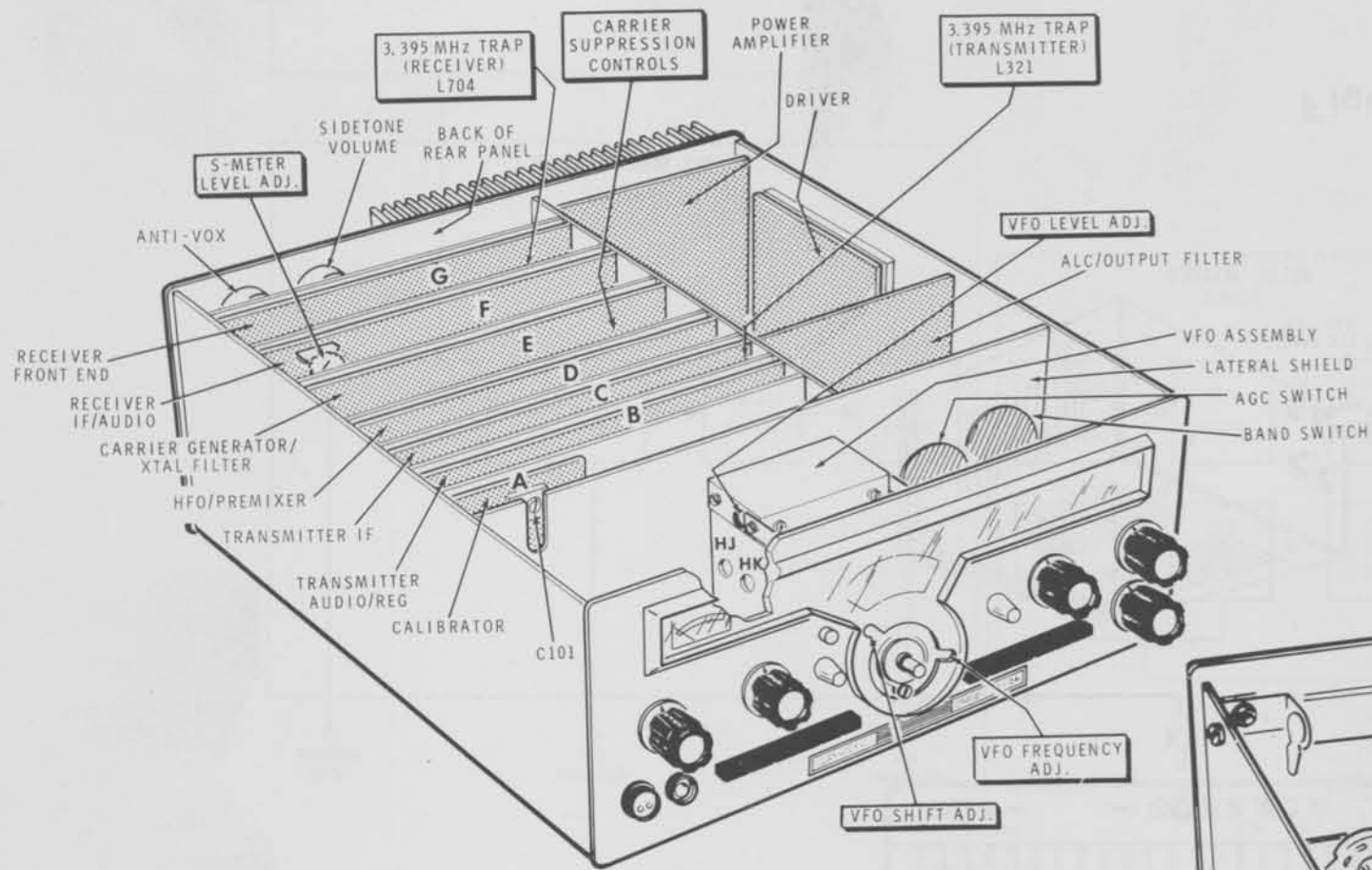
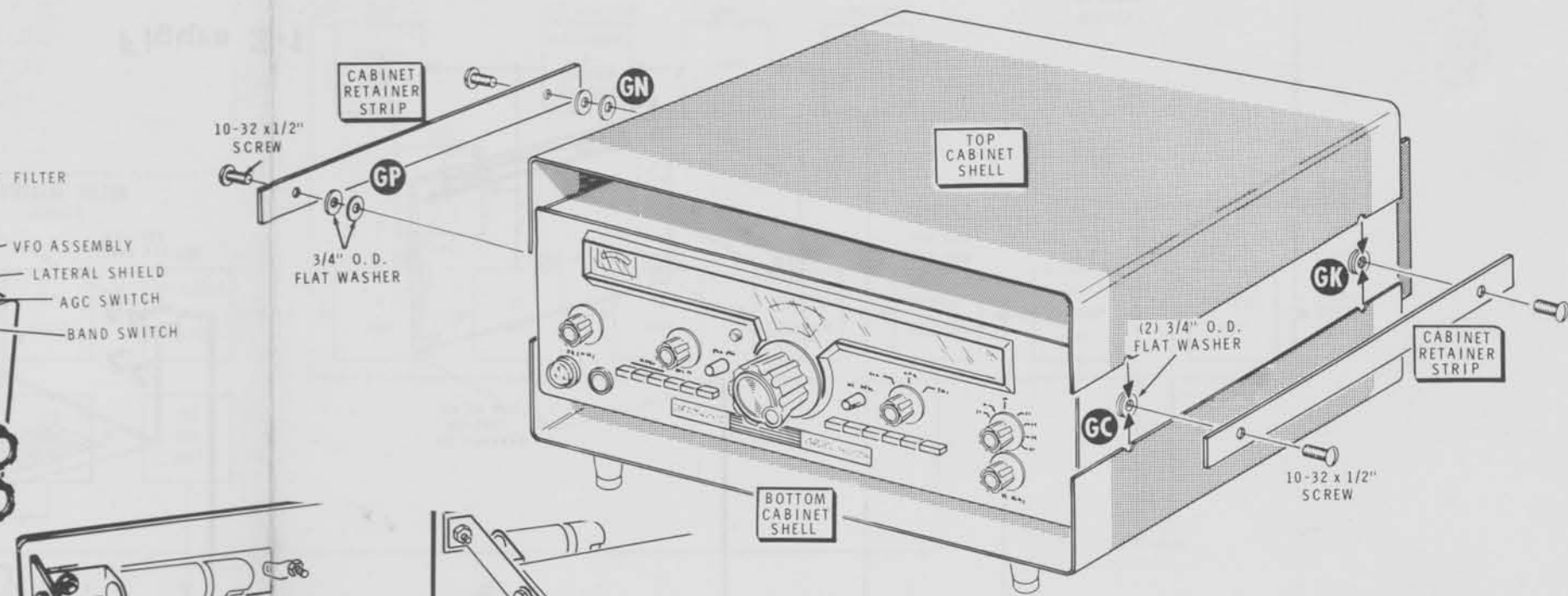
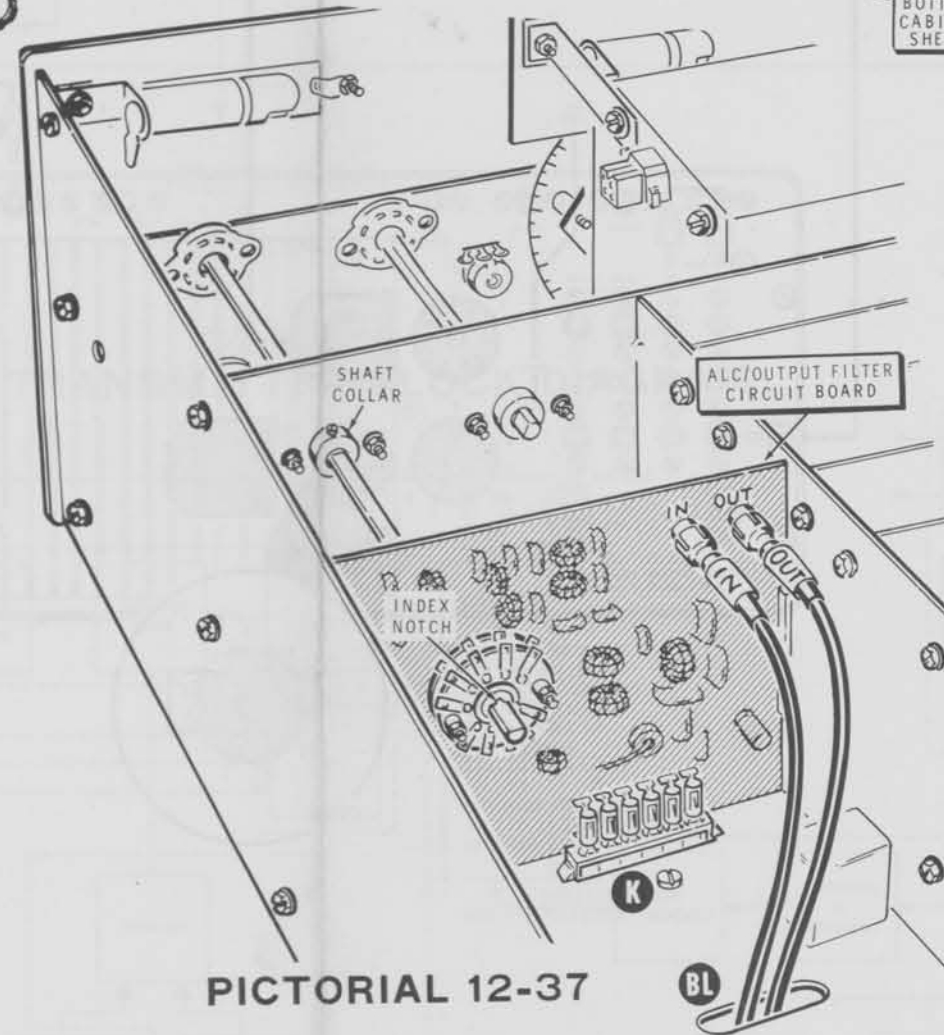


Figure 1-3



PICTORIAL 12-41



PICTORIAL 12-37

13-ET JAROTIP

ACC (ACCESSORY) SOCKET CONNECTIONS

- 1. VFO SHIFT
- 2. TO HI POWER SWITCH
- 3. + TX LINE
- 4. NC
- 5. TO RELAY COIL
- 6. GROUND
- 7. 11 VOLT DC
- 8. RELAY (N.O.)
- 9. RELAY COMMON
- 10. RELAY (N.C.)
- 11. 13.8 VDC

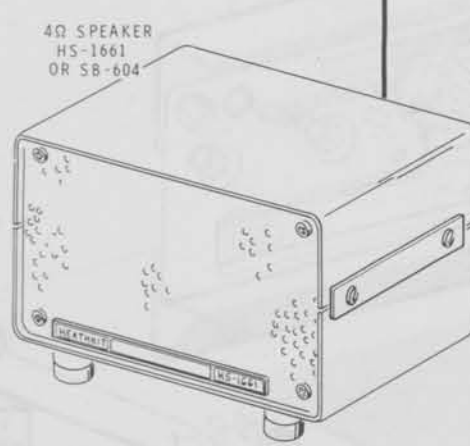
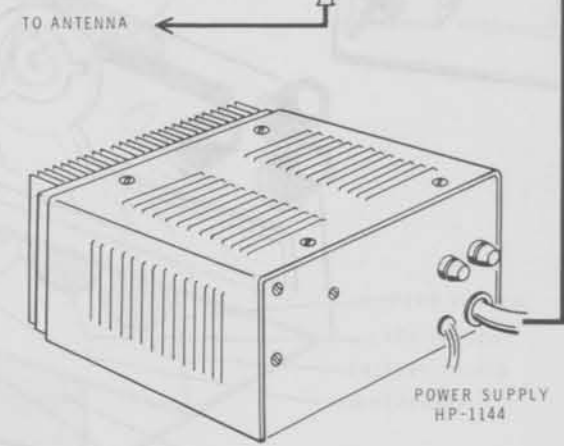
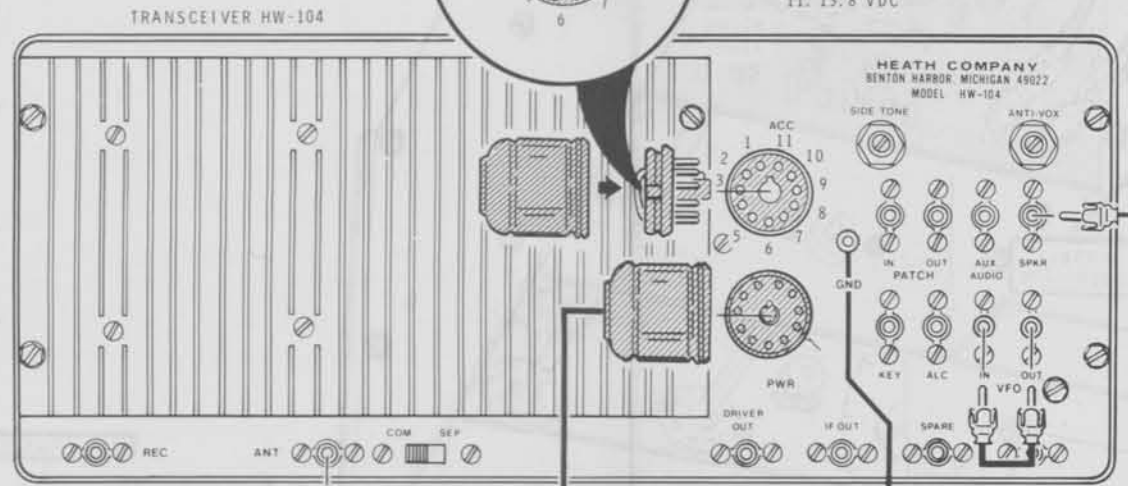
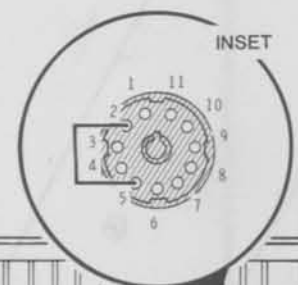


Figure 2-1

Figure 2-3

14-ET JAROTIP

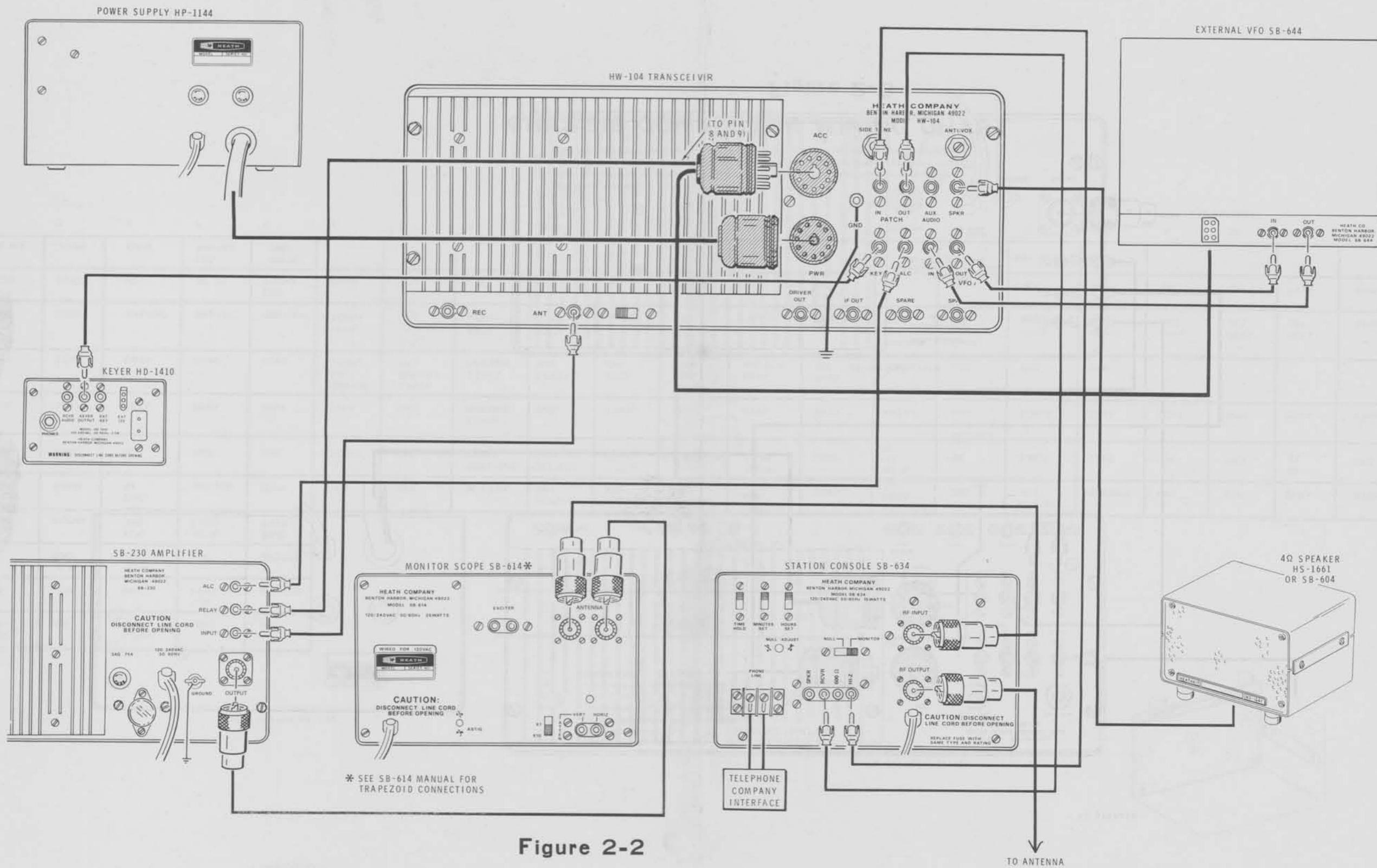


Figure 2-2

TO ANTENNA

FUNCTIONS AND CHASSIS INTERCONNECTIONS

FIGURE 2-3

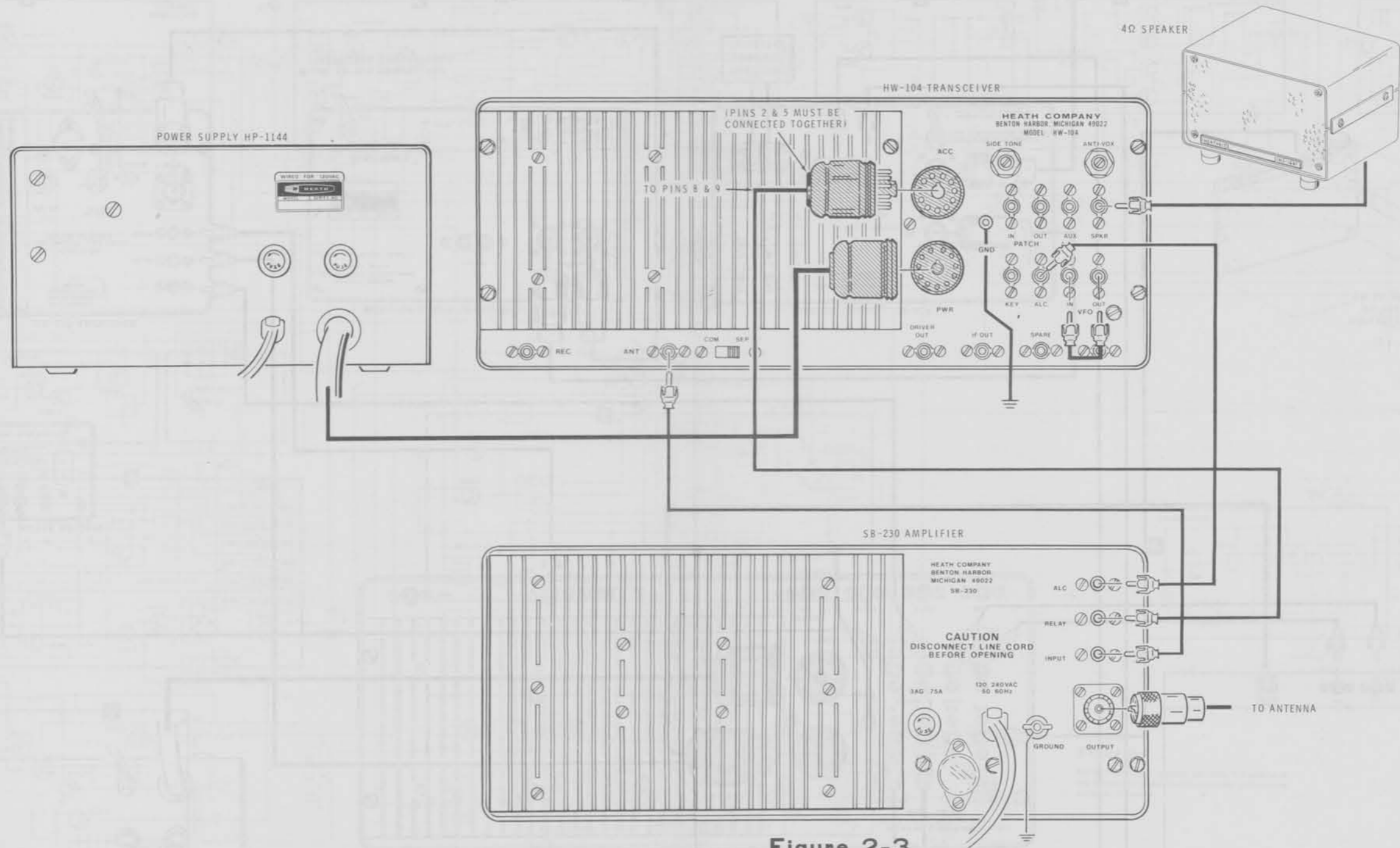
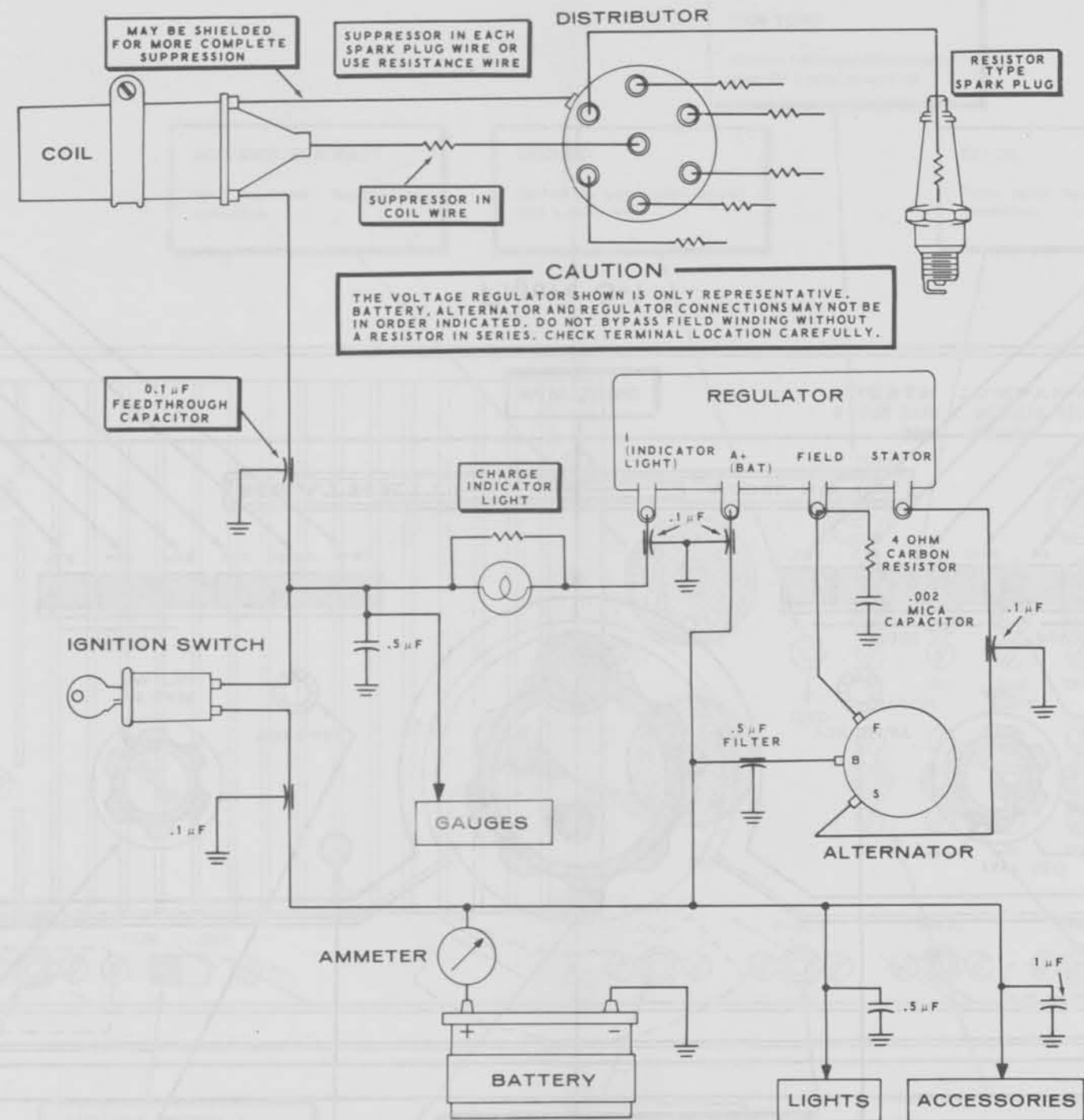


Figure 2-3



VALUE OF SUPPRESSOR	MANUFACTURER AND REPRESENTATIVE TYPE
10K OHM	ERIE TYPE L7VR-10ME
5K OHM	ERIE TYPE L7VR-5ME
.5 μF FEEDTHROUGH	SPRAGUE 48P18 (40 AMP), BRACKET MOUNT
.1 μF FEEDTHROUGH	SPRAGUE 80P3 (20 AMP), BULKHEAD MOUNT
	SPRAGUE 48P9 (20 AMP), BRACKET MOUNT
.5 μF	MALLORY AG-451
1 μF	MALLORY AG-452

NOTE: ALL GROUND CONNECTIONS SHOULD BE MADE TO THE COMPONENT BEING BYPASSED, PREFERABLY BY MOUNTING THE SUPPRESSOR DIRECTLY ON THE COMPONENT.

Figure 2-9

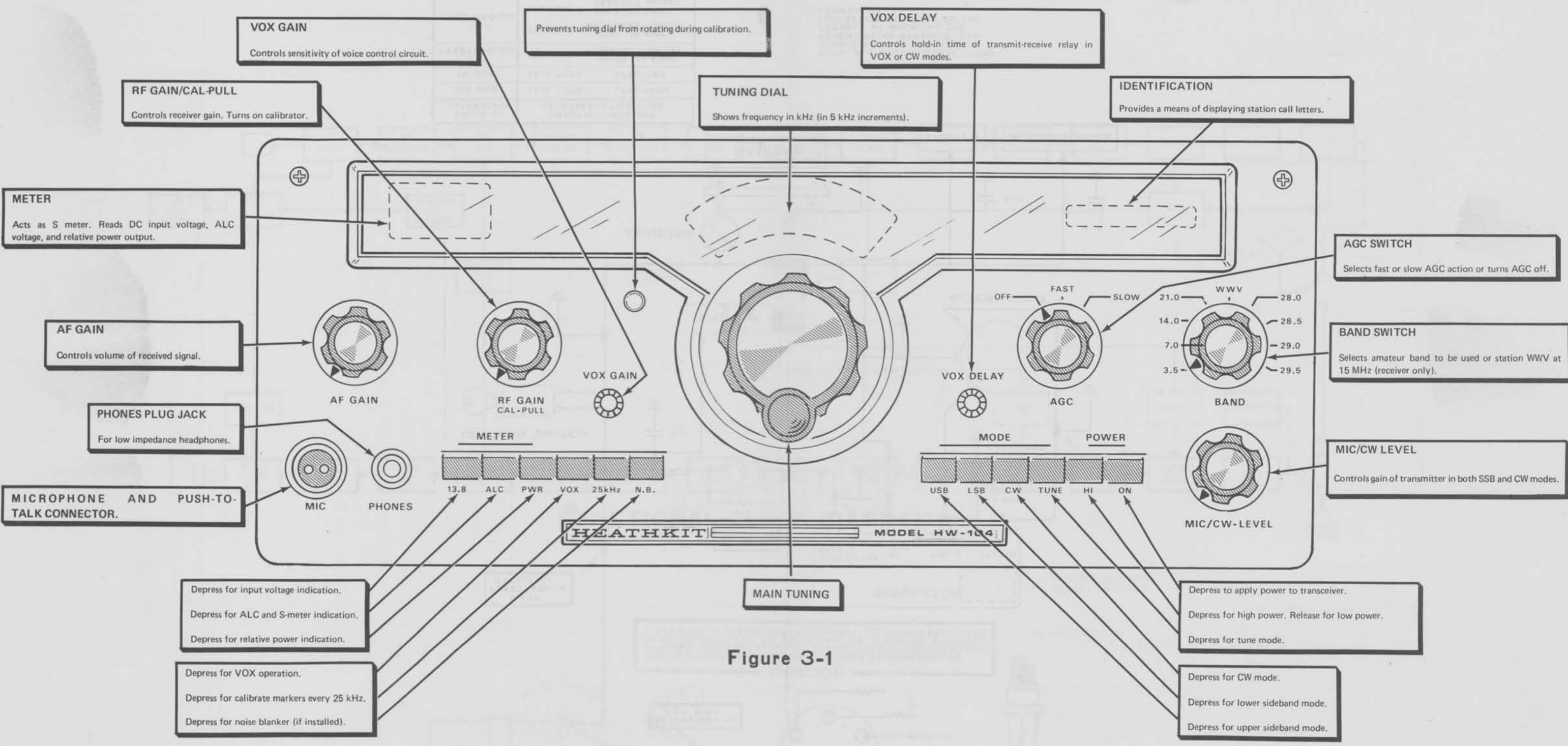


Figure 3-1

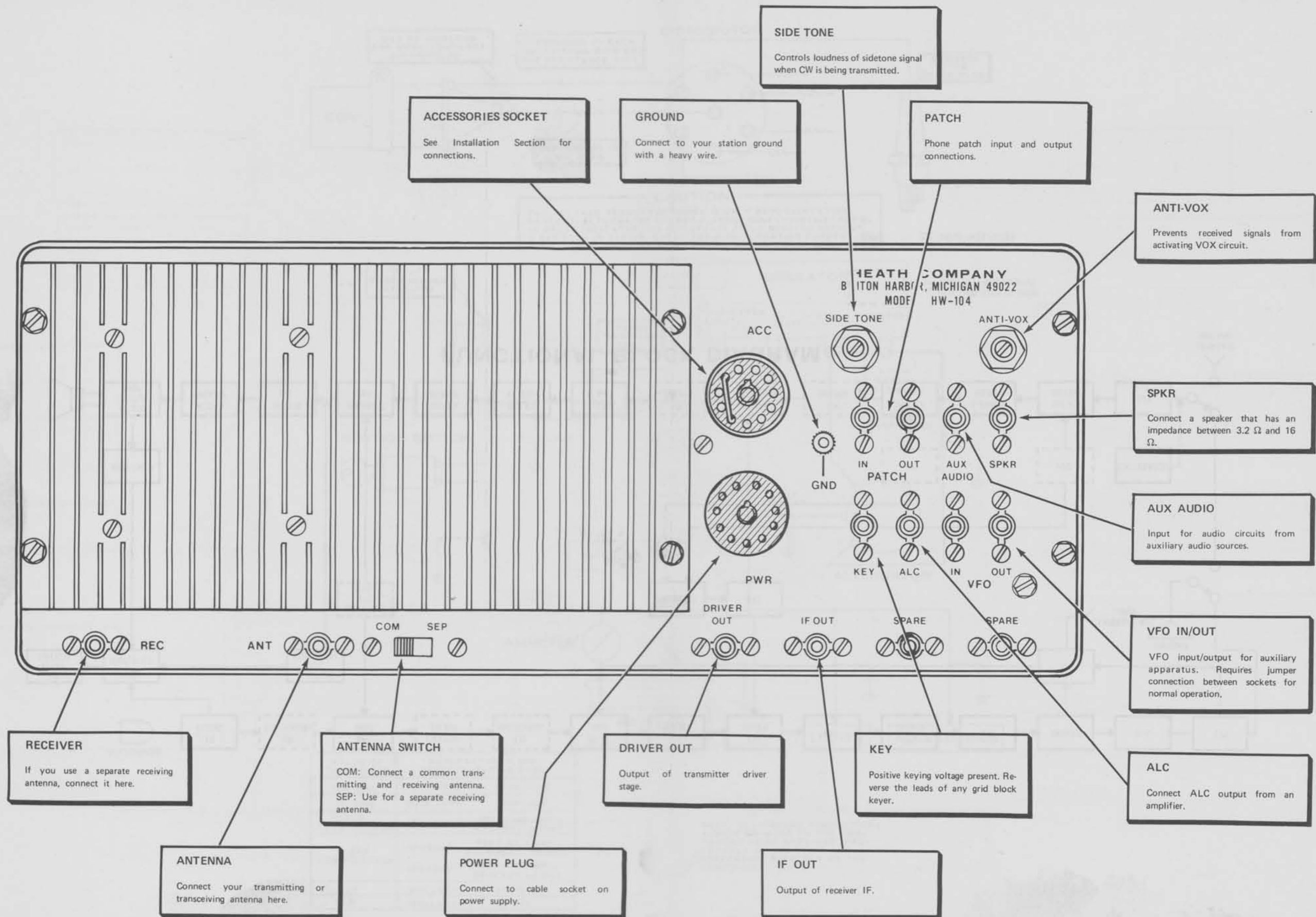
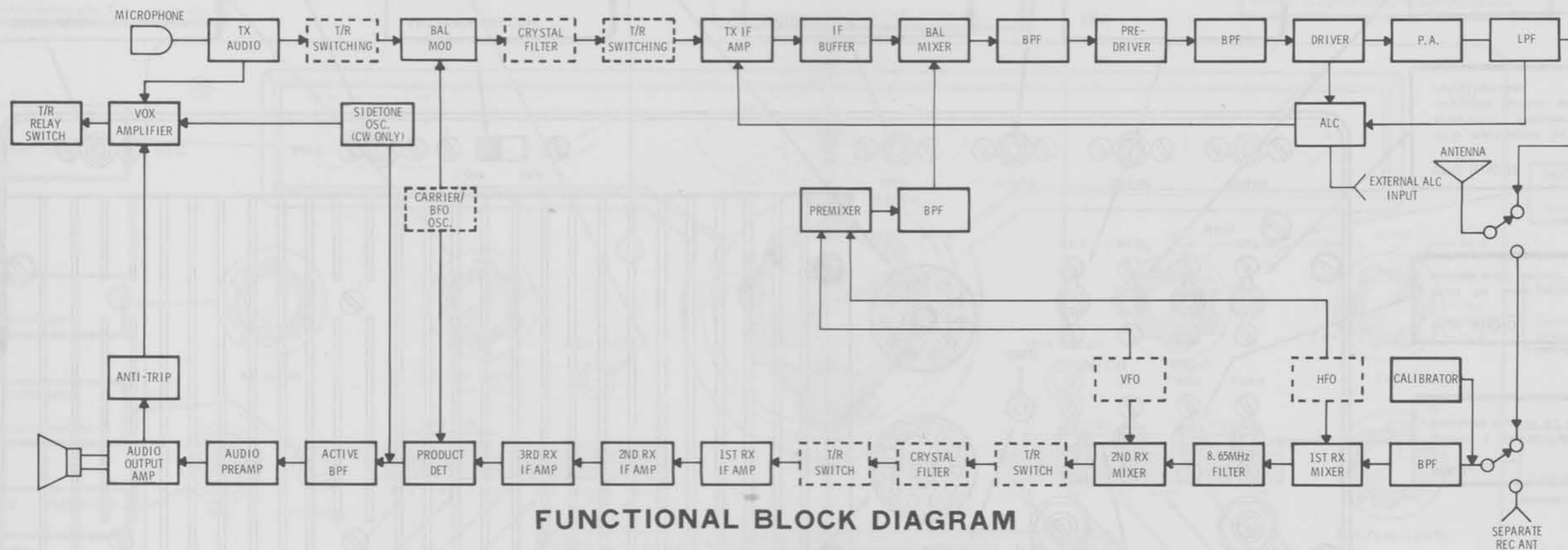
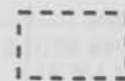


Figure 3-2



### FUNCTIONAL BLOCK DIAGRAM

 = FUNCTION USED IN BOTH TRANSMIT AND RECEIVE

**BPF** = BAND PASS FILTER



## CHASSIS CONNECTOR WIRING CHART

This chart specifies the wire identification (color, marking or type) of the wiring to the connectors on the under side of the chassis. It does not specify the source of each wire. Consequently, if all the connections agree with the chart but a wiring error is still suspected, check the connections at both ends of each wire on the assembly Pictorials.

ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
A	GND	WHT-BLK	2 GND	COAX	WHT-RED-RED	GND 500 $\mu$ F																		
B	RESISTOR 2 RED	3 ORG	GRAY	NC	NC	2 GRAY GRN	GRAY	BLU	YEL	BLK	#13	WHT-BLK	#8	WHT 2 WHT-ORG	#9	#11	#14	#12	#15	#16	GRAY	2 GND	2 BRN	WHT
C	2 RED	2 GND	COAX	WHT-ORG	WHT-YEL	WHT-GRN	2 GRAY +10 $\mu$ F	WHT- VIOL-VIOL GRAY	2 GND 220 pF	COAX 220 pF	2 VIOL	GRAY	3 RED	GRAY	GRAY WHT- GRN-BRN	WHT- BRN-BRN GRAY	WHT-BRN GRAY	BRN GRAY	GRN GRAY	BLU GRAY	YEL GRAY	2 GRAY	2 GND	#5
D	2 RED	COAX	2 GND	GRAY	2 GND	COAX	2 GRAY WHT- GRN-BRN	WHT- BRN-BRN 2 GRAY	WHT-BRN 2 GRAY	BRN 2 GRAY	GRN GRAY	WHT- VIOL-VIOL GRAY	WHT-BLU GRAY	YEL GRAY	2 GRAY	GND	GND	GND						
E	COAX	2 GND	GRAY	GRAY	GRAY	COAX	GRAY	GND	WHT-ORG 2 GRAY	GRAY	3 GRAY	COAX	GRAY	GRAY	WHT-YEL	WHT- VIOL-VIOL WHT-GRN	2 GRAY	GRAY	COAX	RED	GRAY	2 GND	GRAY	#13
F	COAX	2 GND	2 RED	NC	VIOL	GND	2 GRAY	YEL	WHT- GRAY-GRAY	WHT- RED-RED	COAX	2 GND	2 GND .001 $\mu$ F	COAX	#6 #17 .001 $\mu$ F	#7	3 RED	2 GND	ORG	GND	#2 #4	GND	3 GND	GND
G	COAX	RED	4 GND	#3 COAX	WHT-RED	COAX	GRN	BRN	WHT-BRN	WHT- BRN-BRN	WHT- GRN-BRN	GND	GRAY RED RESISTOR	2 RED	YEL GRAY RESISTOR	GND	WHT- VIOL-VIOL	WHT-BLU	GND	YEL	GRAY	GRAY	GND	GRAY
H	ORG GRAY	2 GND	2 COAX	GND 47 $\mu$ F	2 RED +47 $\mu$ F	2 RED BARE																		
J	4 ORG +500 $\mu$ F	#5	GND 47 $\mu$ F	GRAY +47 $\mu$ F	BLK	WHT-BLK																		
K	GND	GND	ORG	WHT	GRAY .1 $\mu$ F	WHT-GRN																		
L*	COAX	GND GRAY	RED	GND 2 GRAY	COAX	RED																		

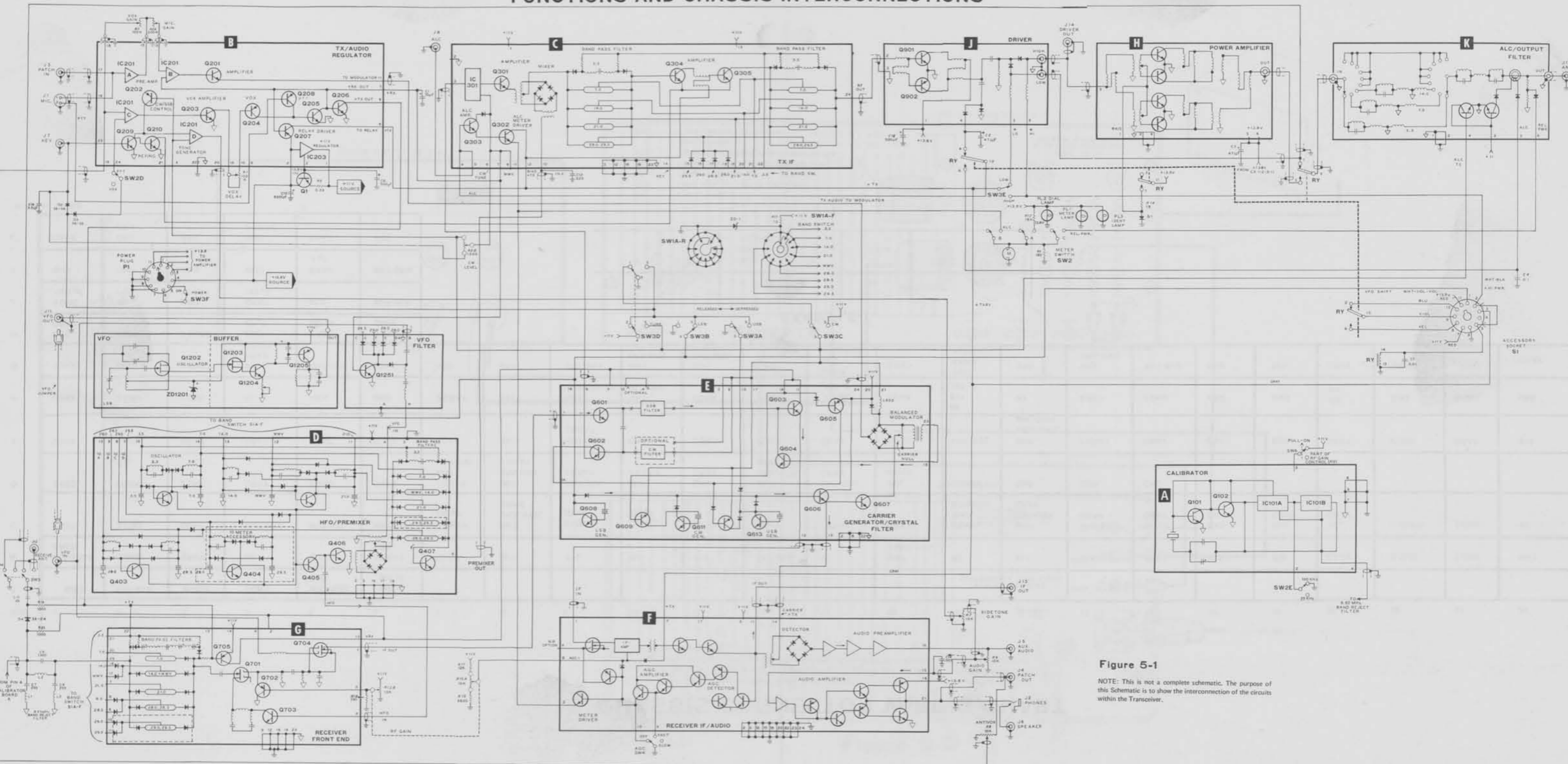
### EXAMPLE:

	7	8	9	10	11	12
R	2 WHT	BLU WHT- RED-RED	#2	#3 COAX	2 GND 47 $\mu$ F	GRAY ORG

\*NOISE BLANKER

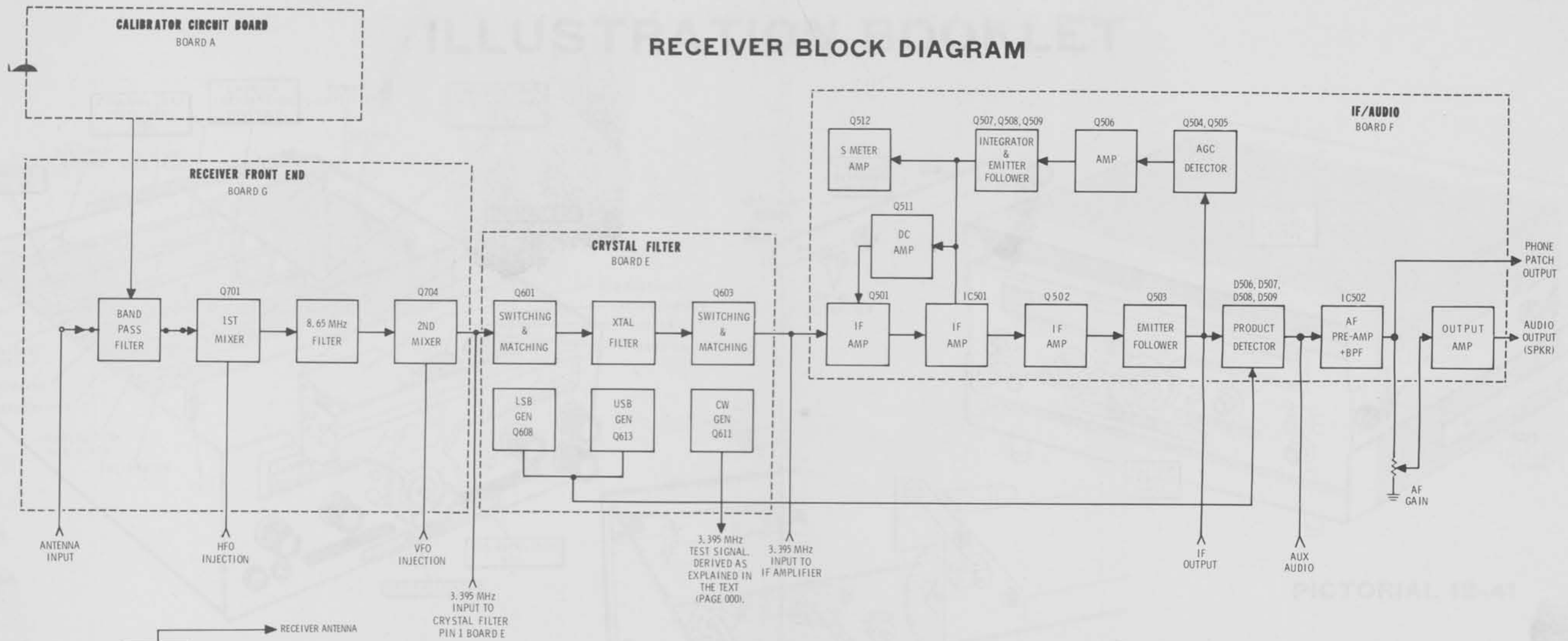
- R7: 2 white wires.
- R8: 1 blue wire, and 1 white-red-red wire.
- R9: 1 coax marked "2".
- R10: 1 coax marked "3", and 1 unmarked coax.
- R11: 2 ground connections, negative terminal of a polarized capacitor.
- R12: 1 gray wire and 1 orange wire.

# FUNCTIONS AND CHASSIS INTERCONNECTIONS



**Figure 5-1**  
 NOTE: This is not a complete schematic. The purpose of this Schematic is to show the interconnection of the circuits within the Transceiver.

# RECEIVER BLOCK DIAGRAM



# TRANSMITTER BLOCK DIAGRAM

