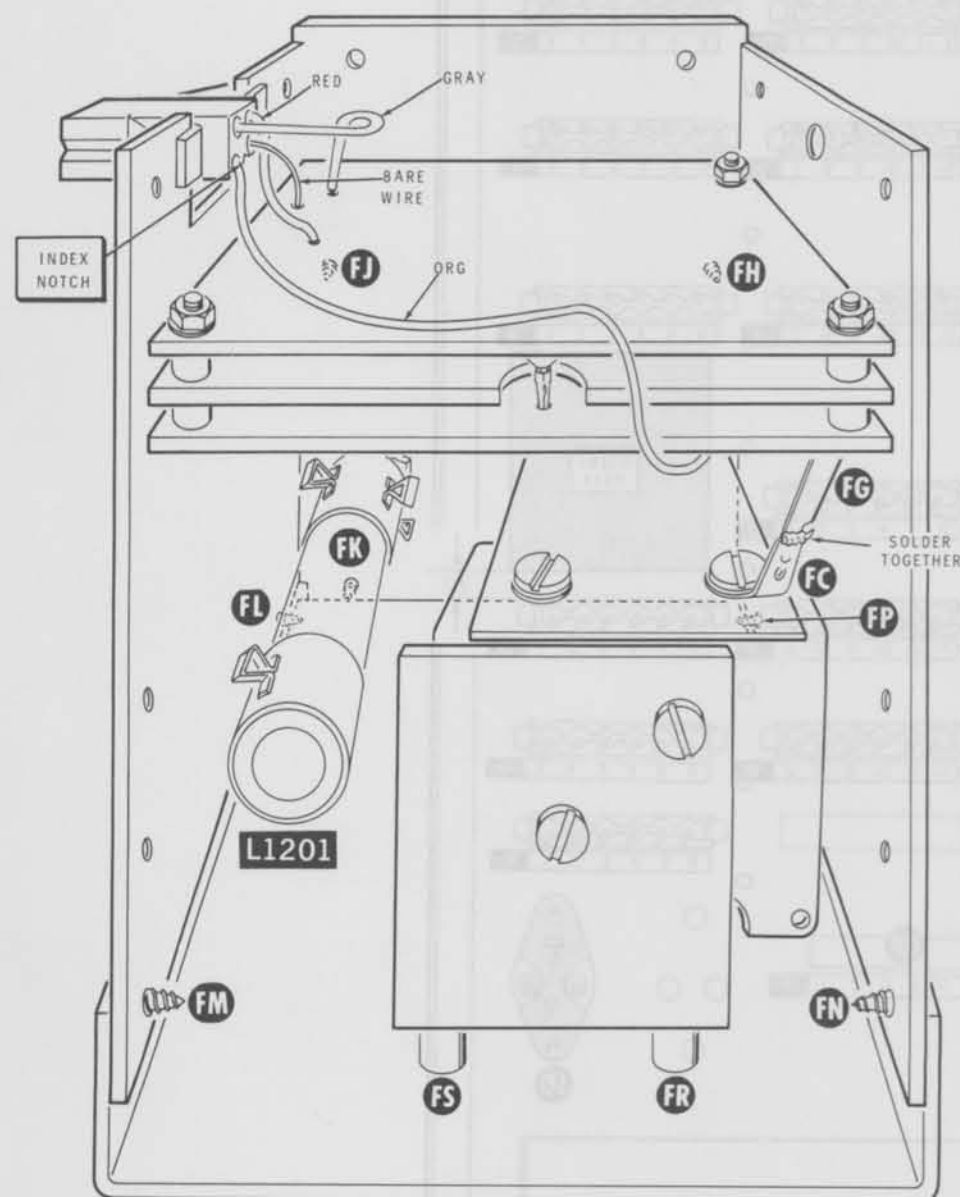
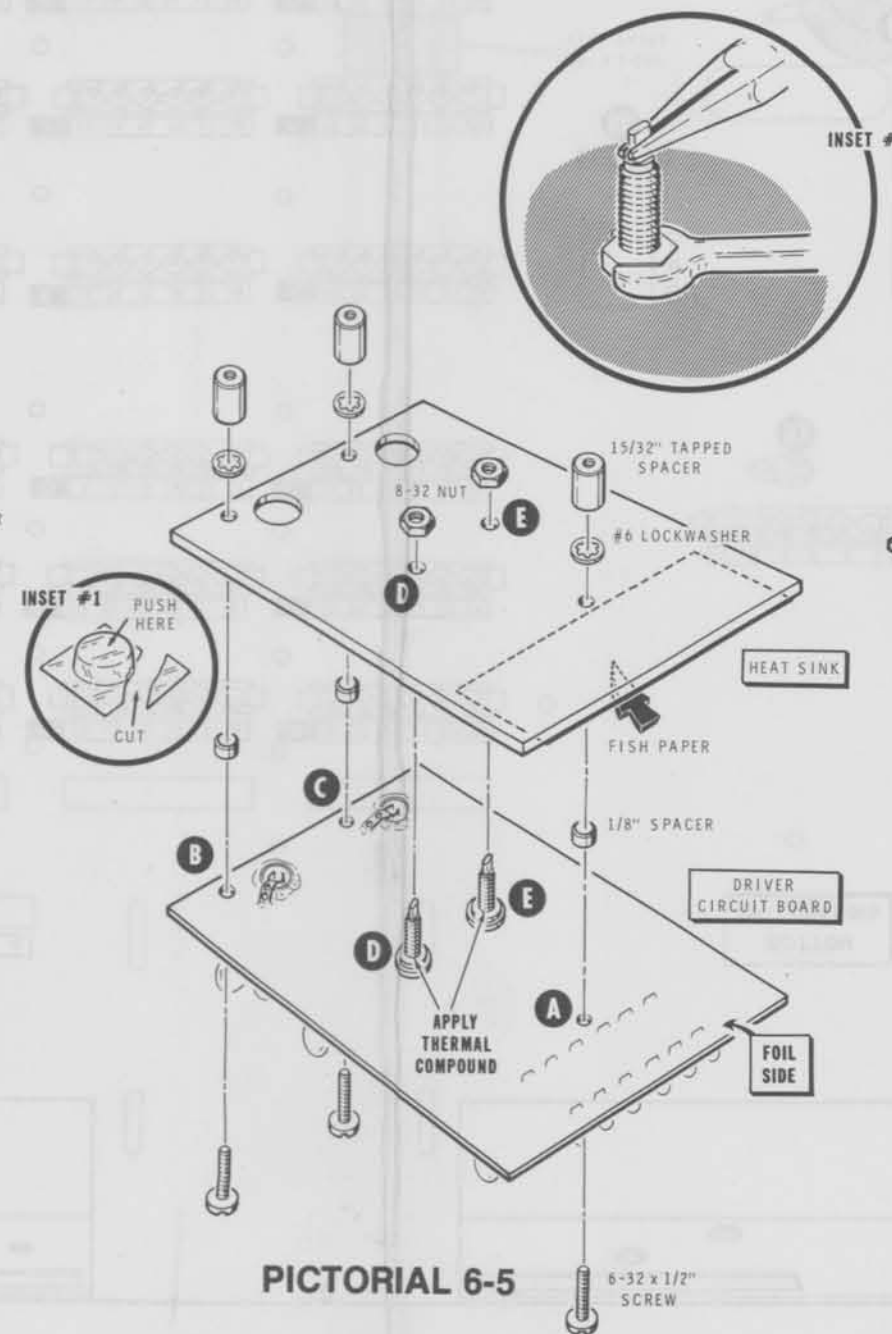


ILLUSTRATION BOOKLET

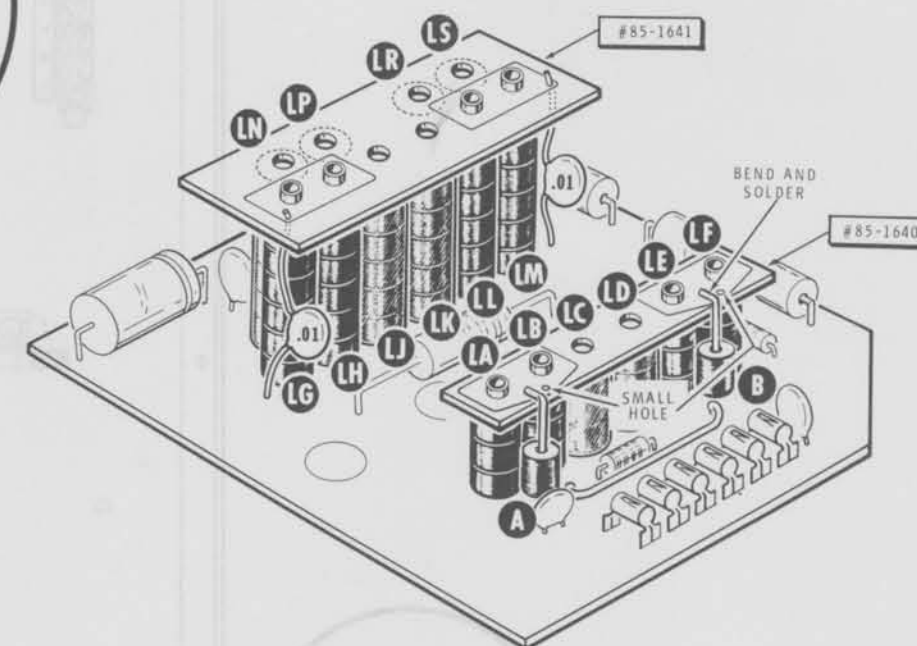
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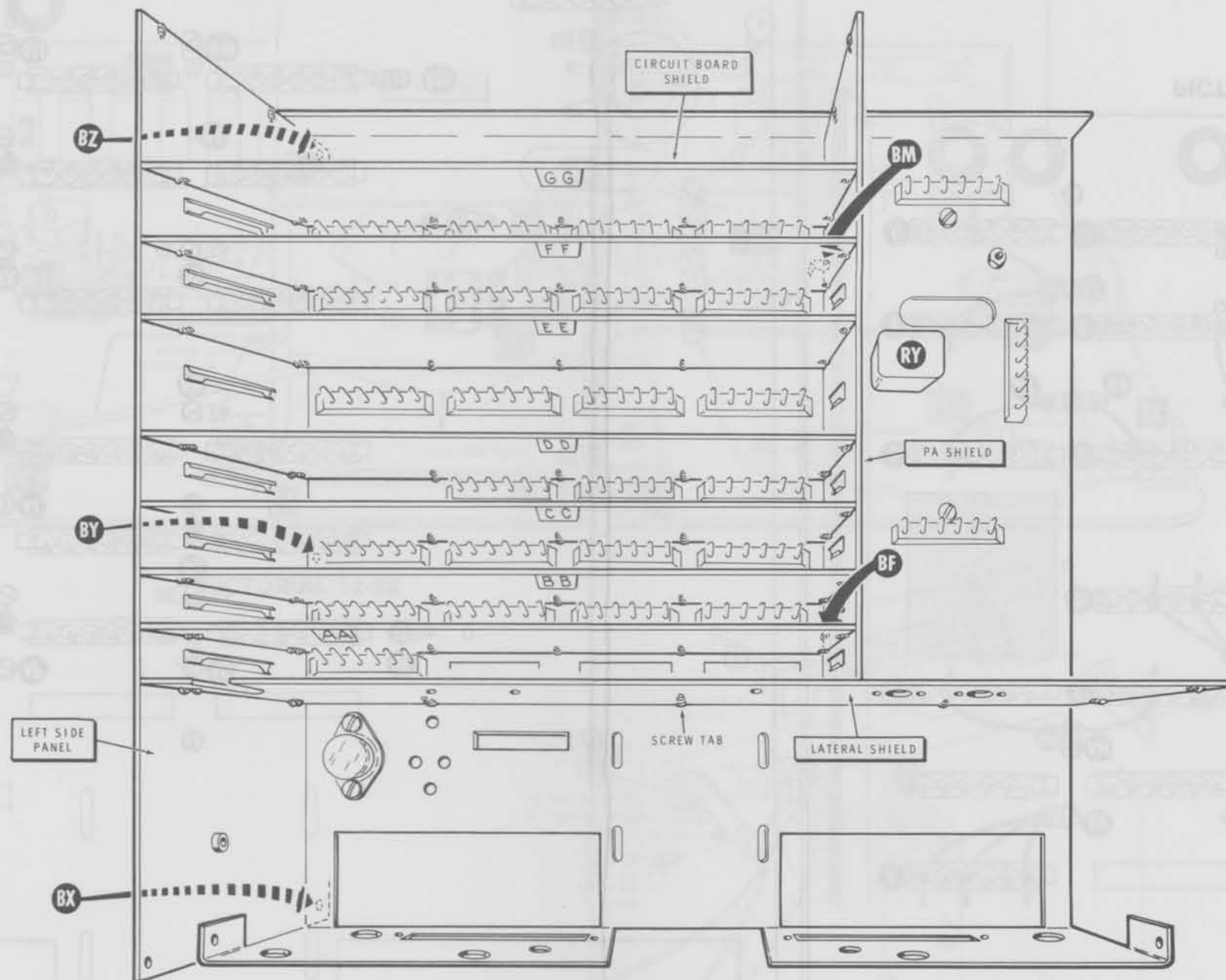
PICTORIAL 1-12



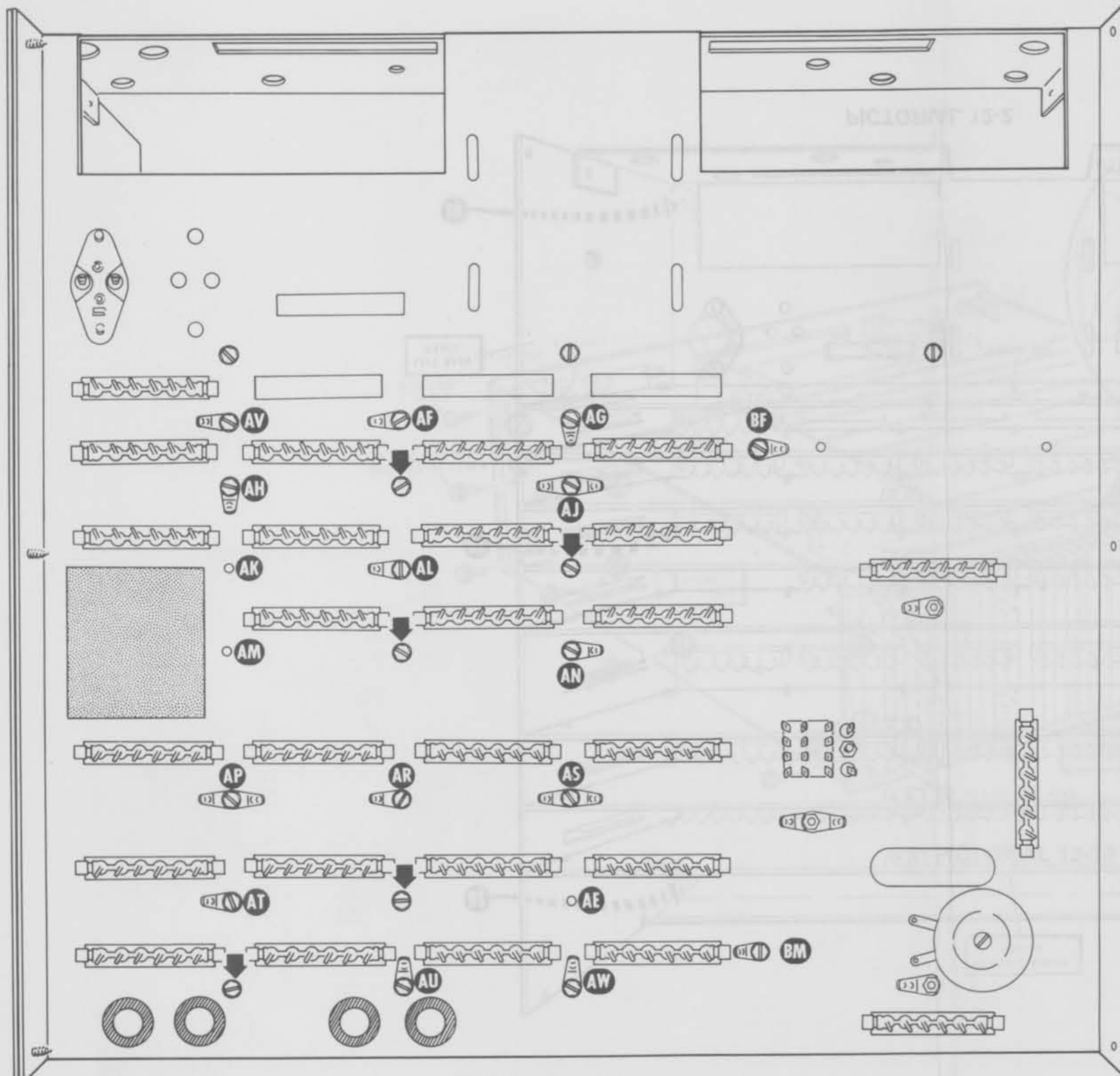
PICTORIAL 6-5



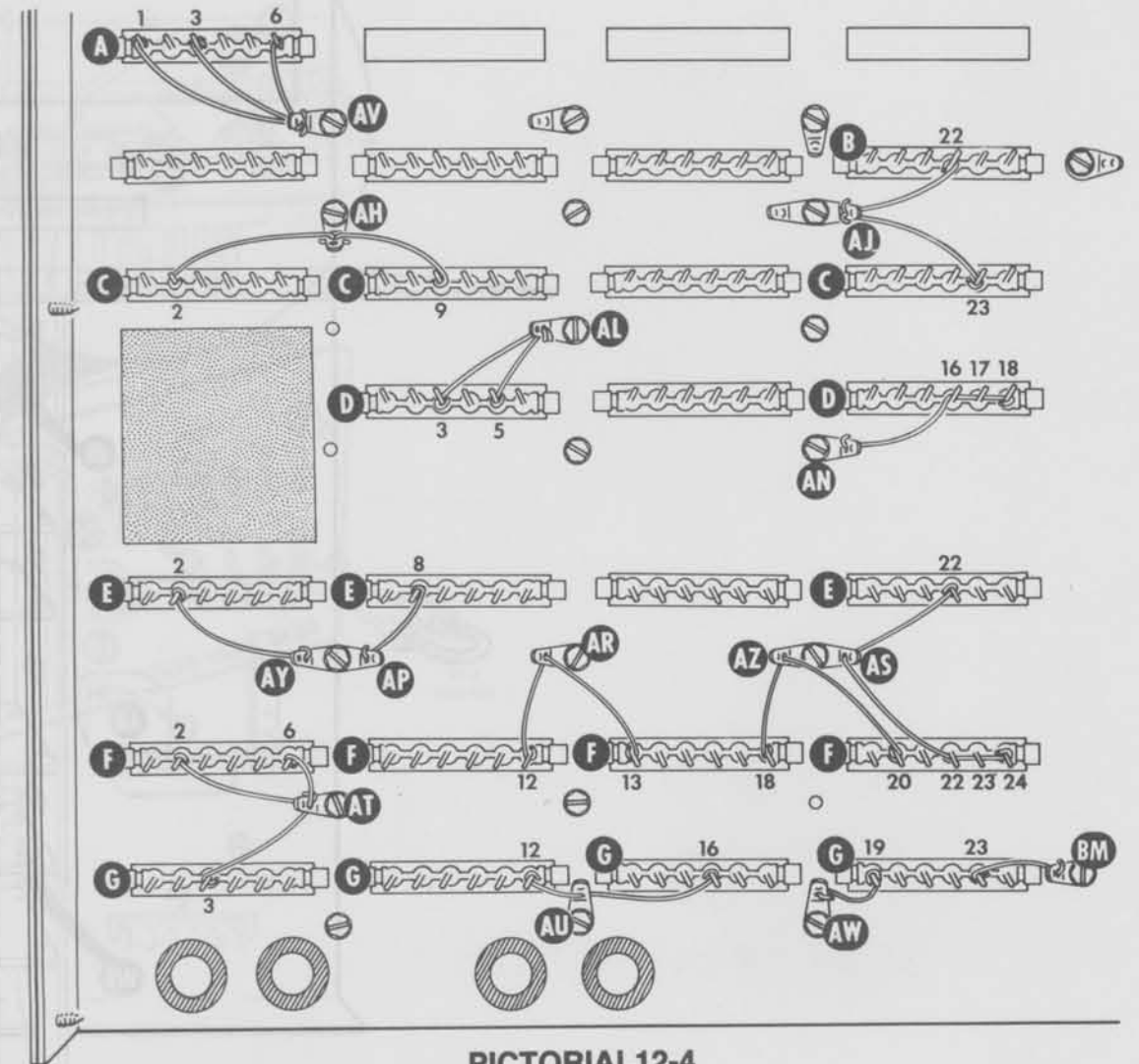
PICTORIAL 11-5



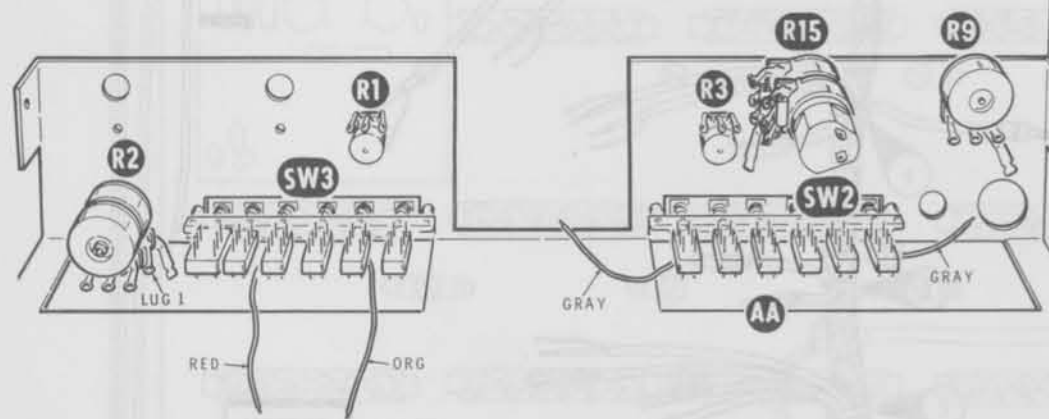
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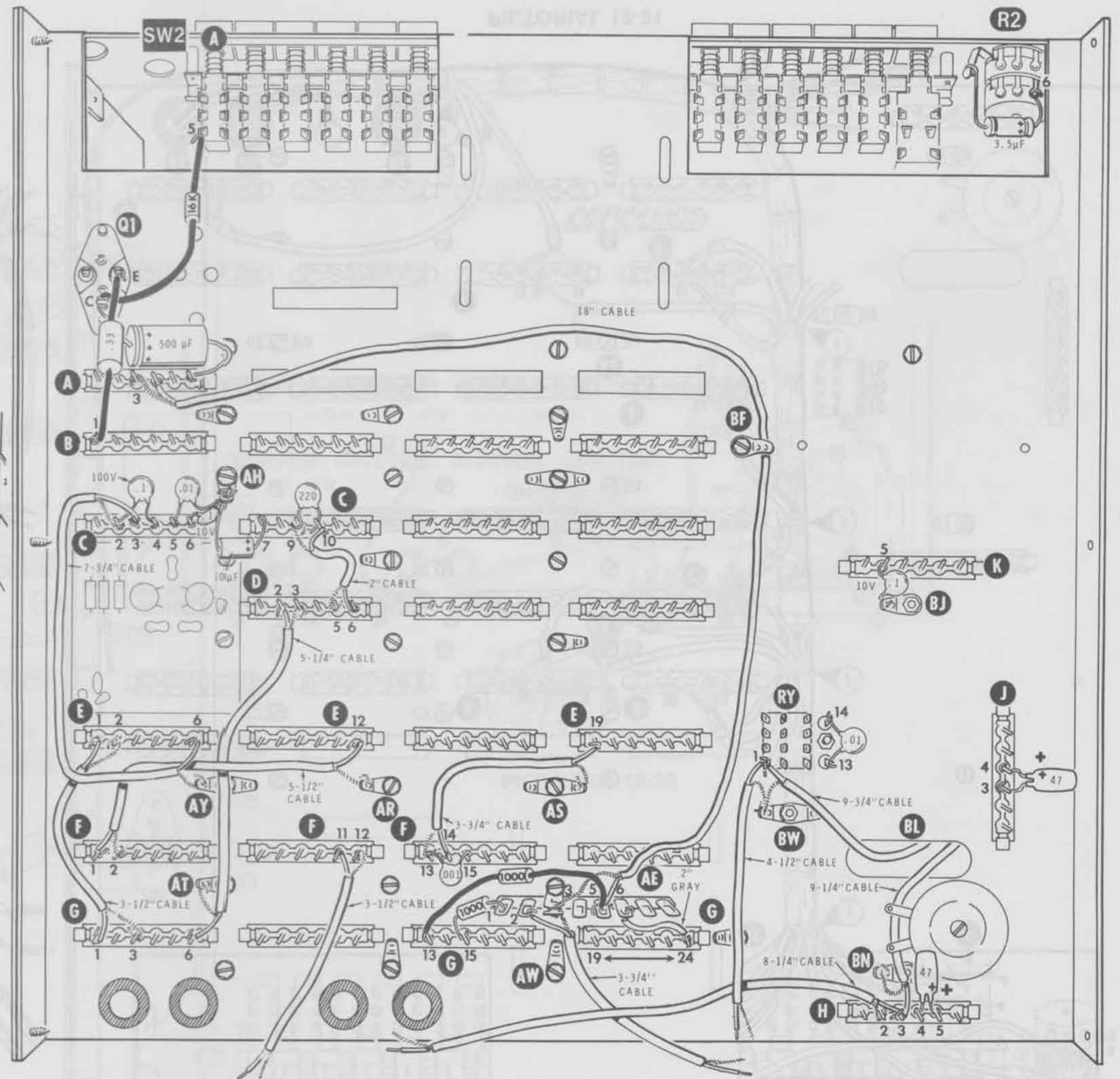
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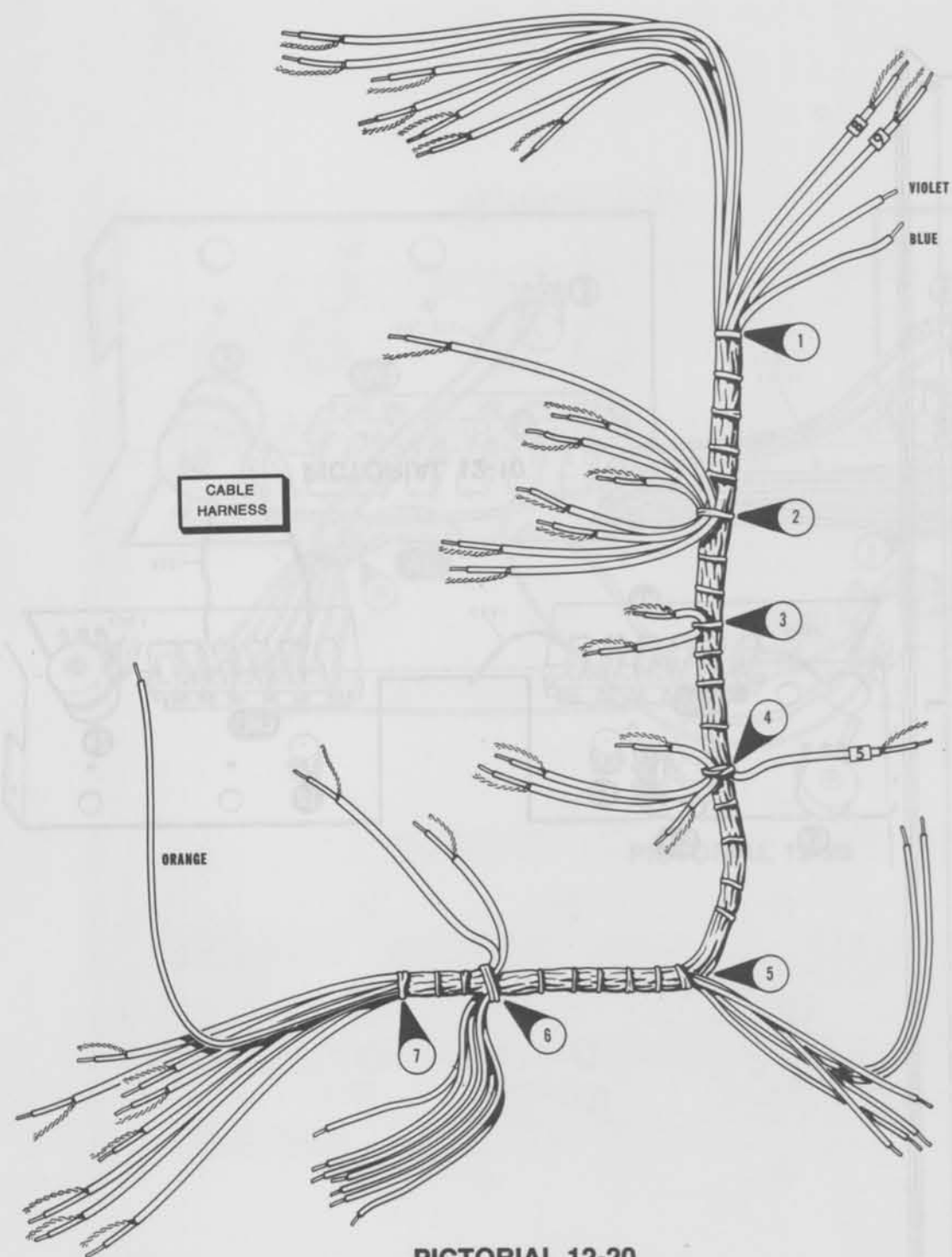
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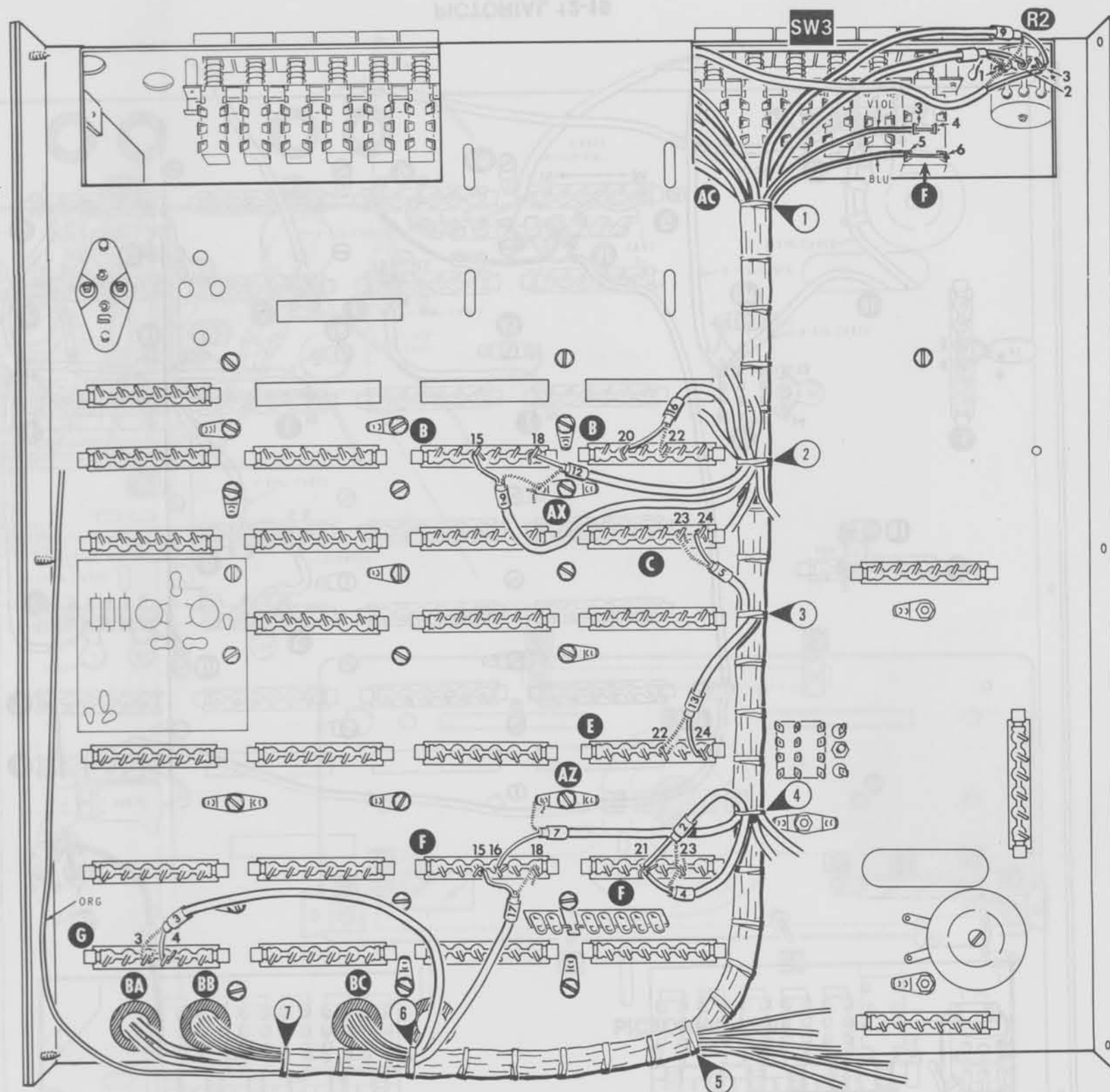
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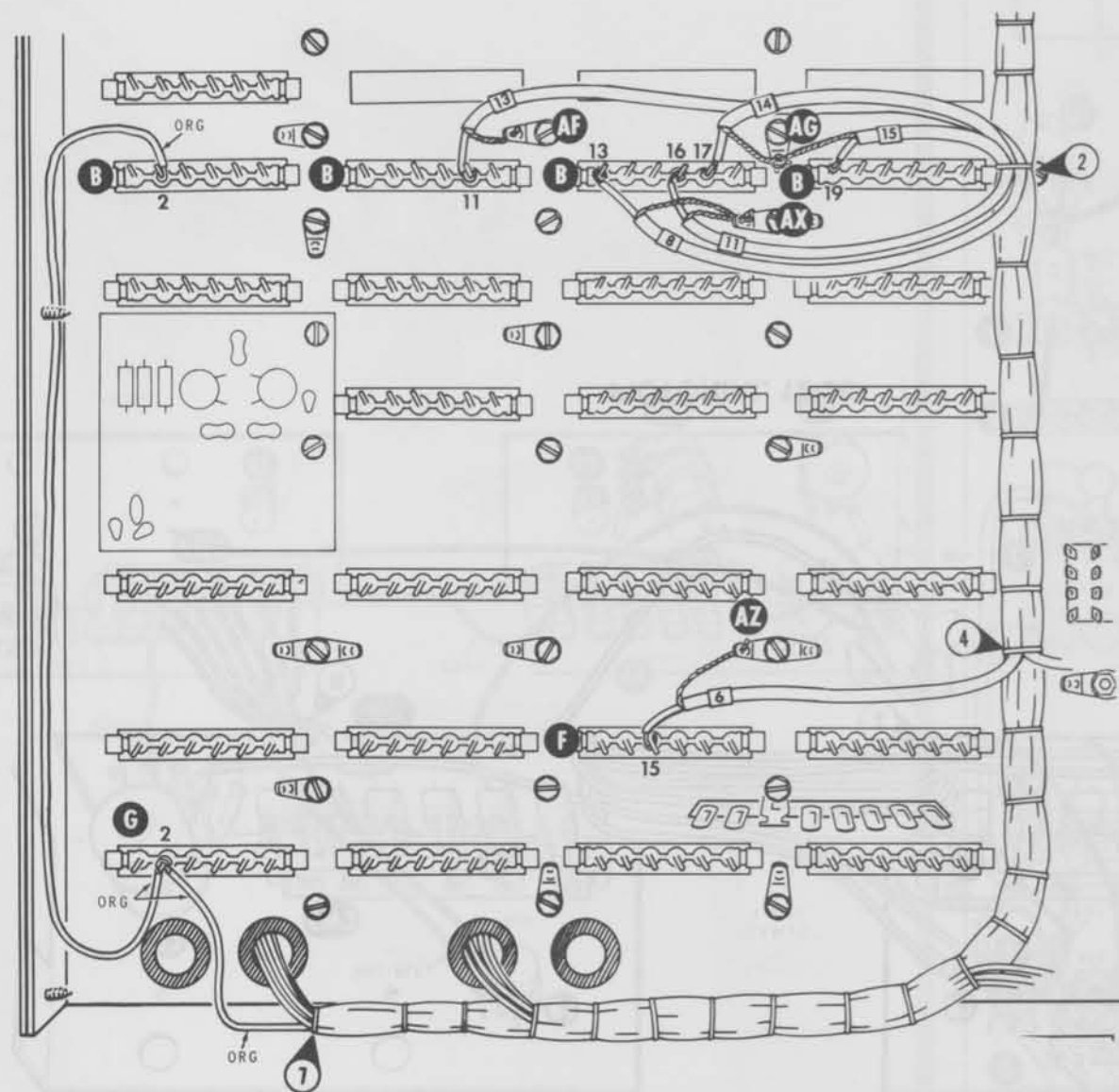
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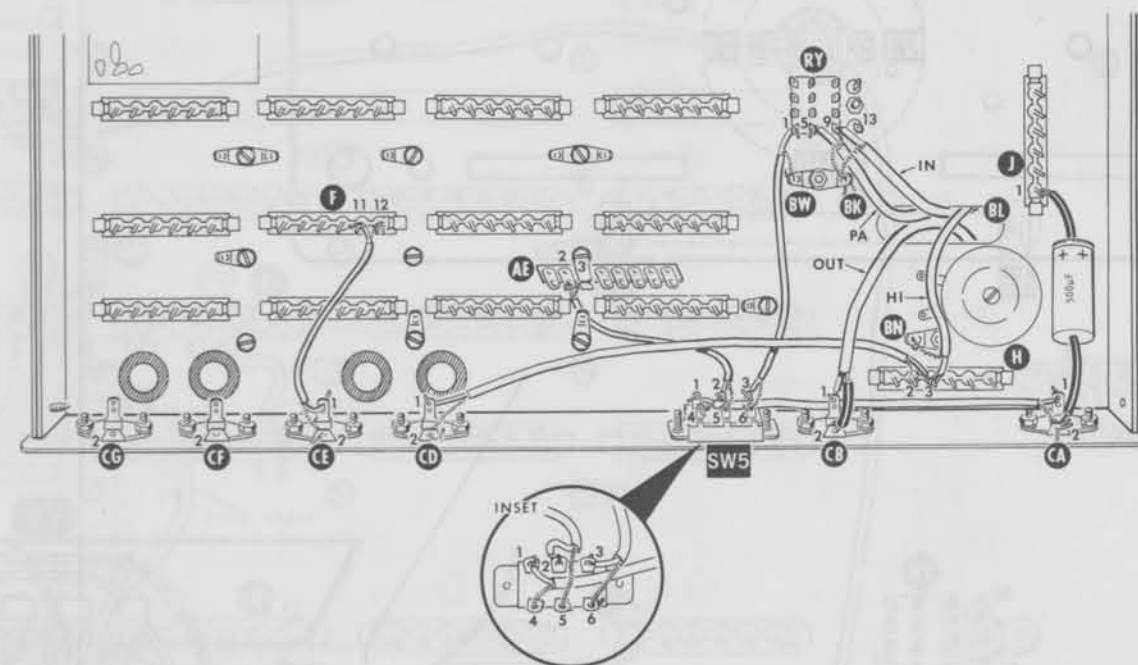
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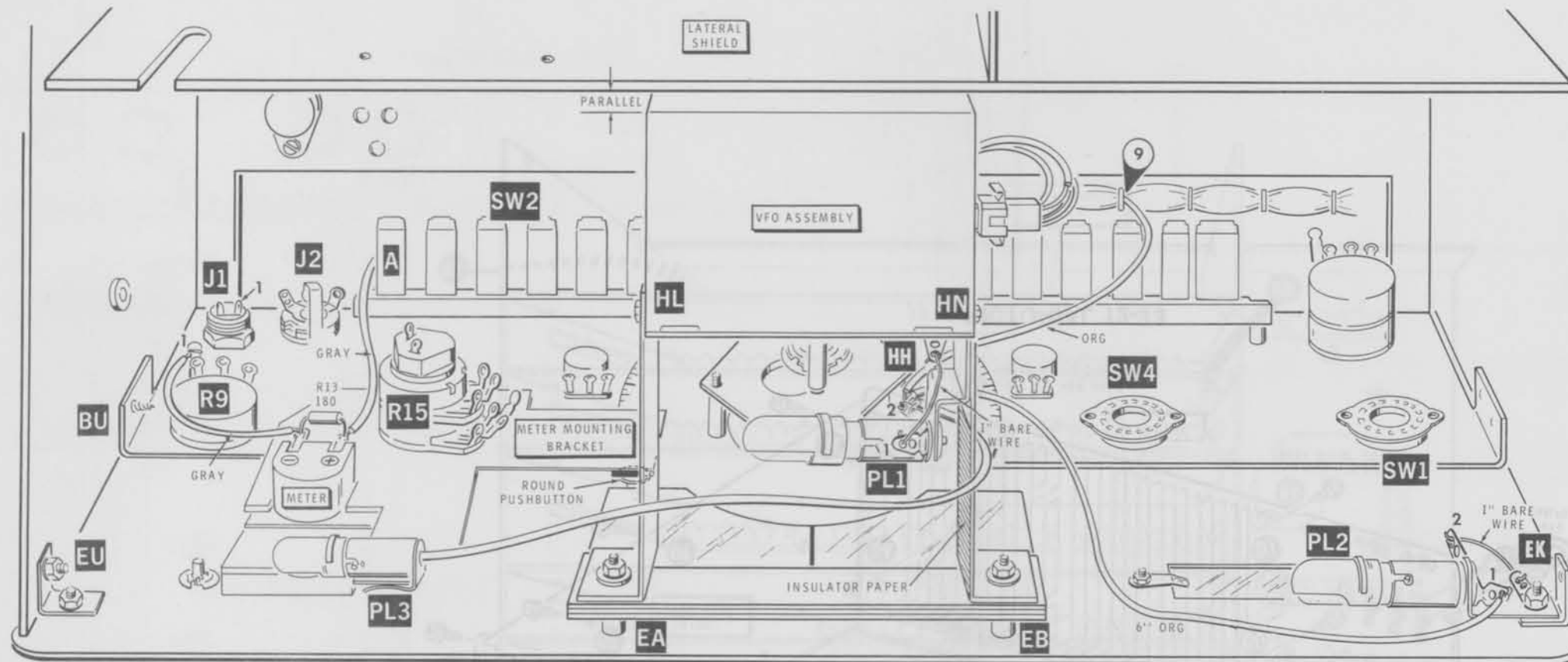
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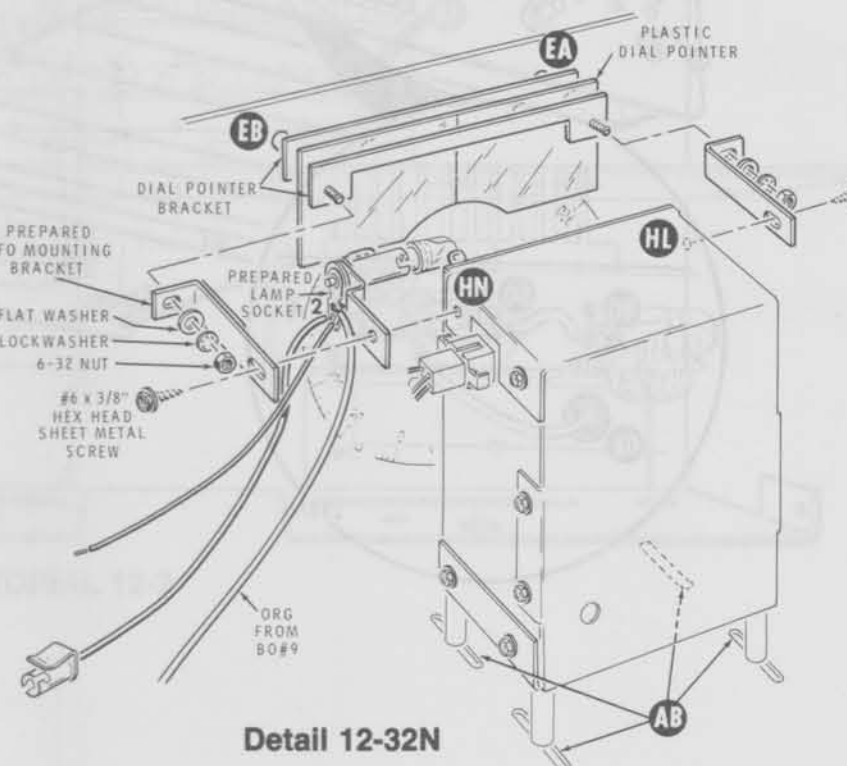
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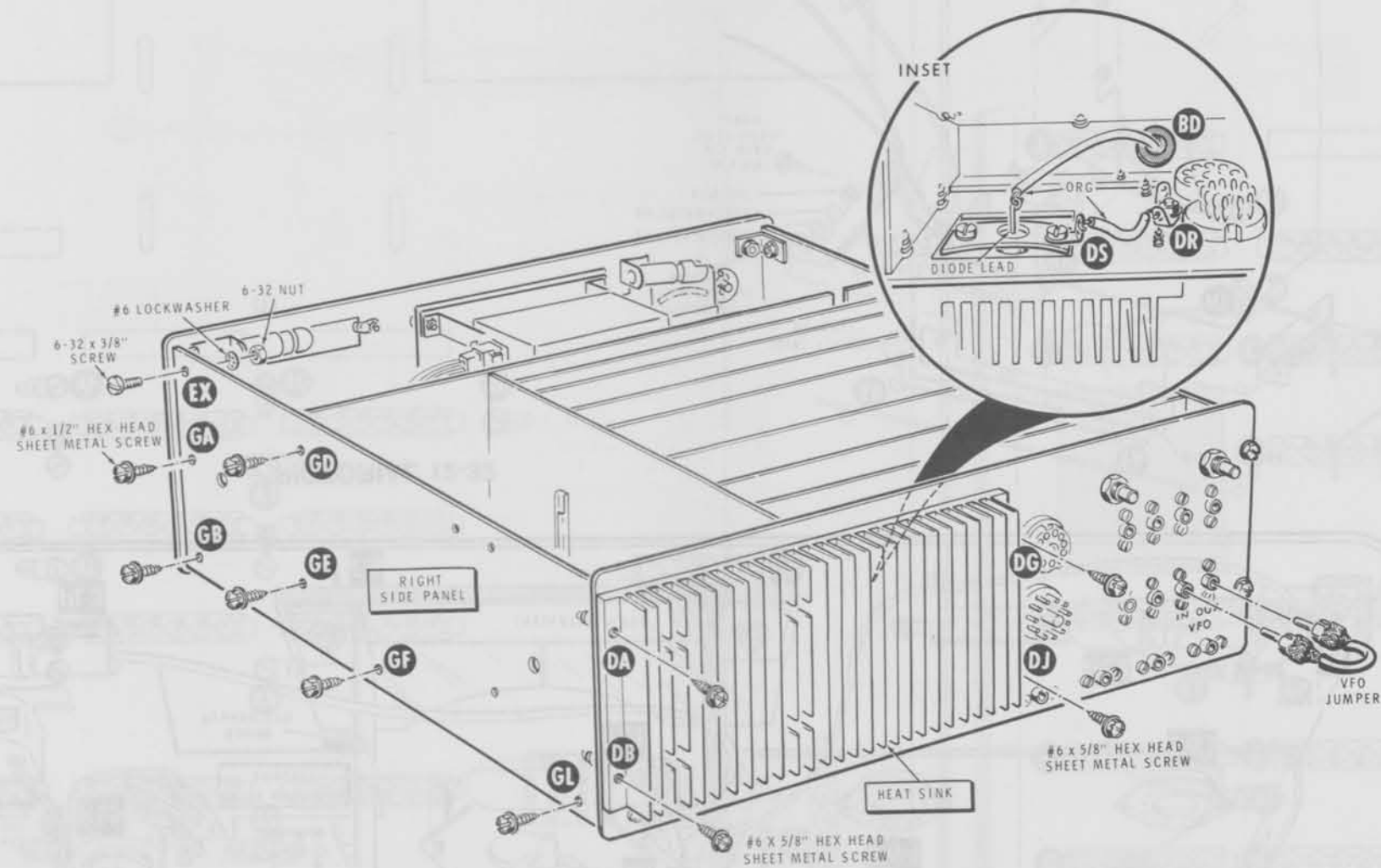
PICTORIAL 12-28



PICTORIAL 12-32



Detail 12-32N



PICTORIAL 12-33

ILLUSTRATION BOOKLET

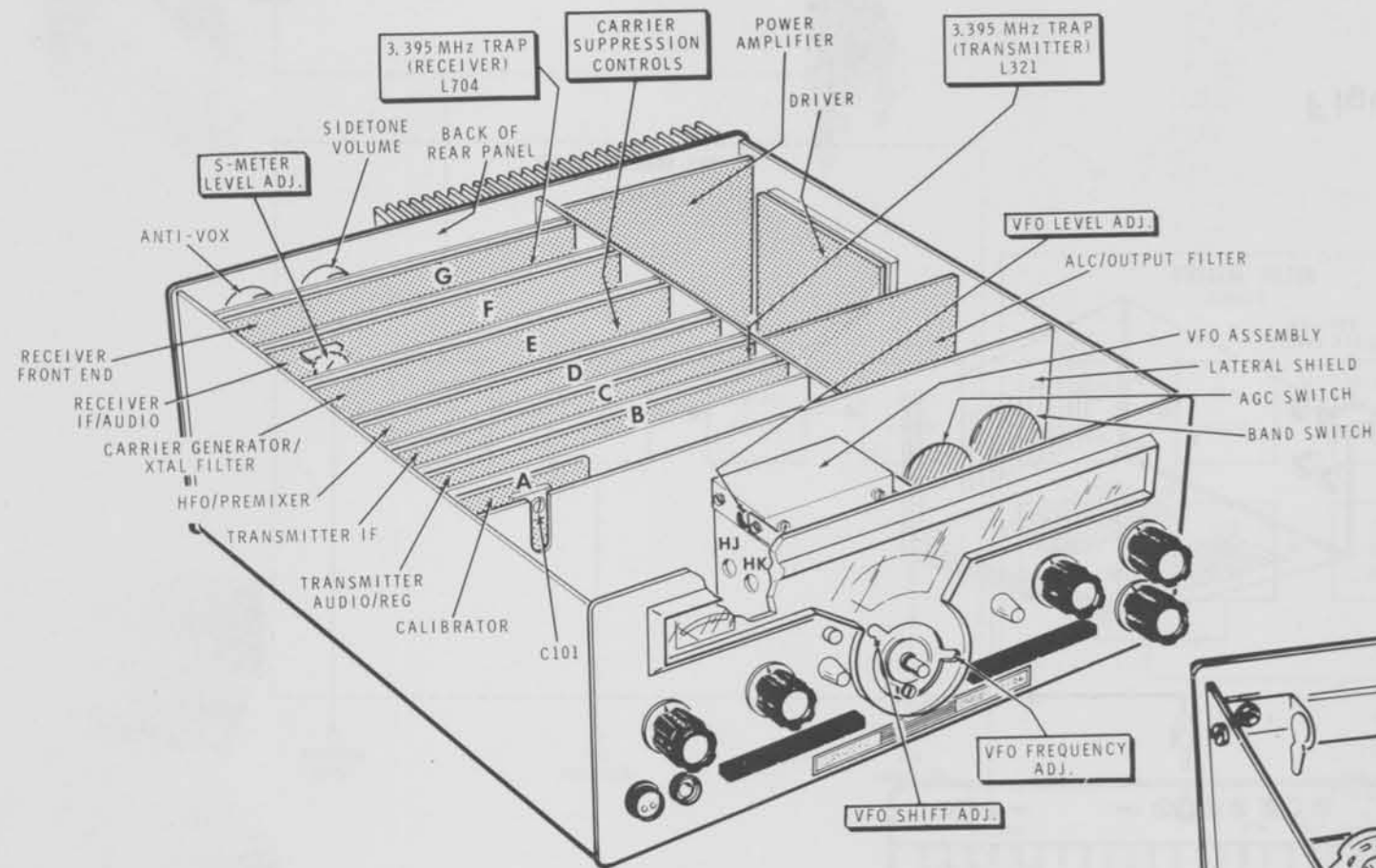
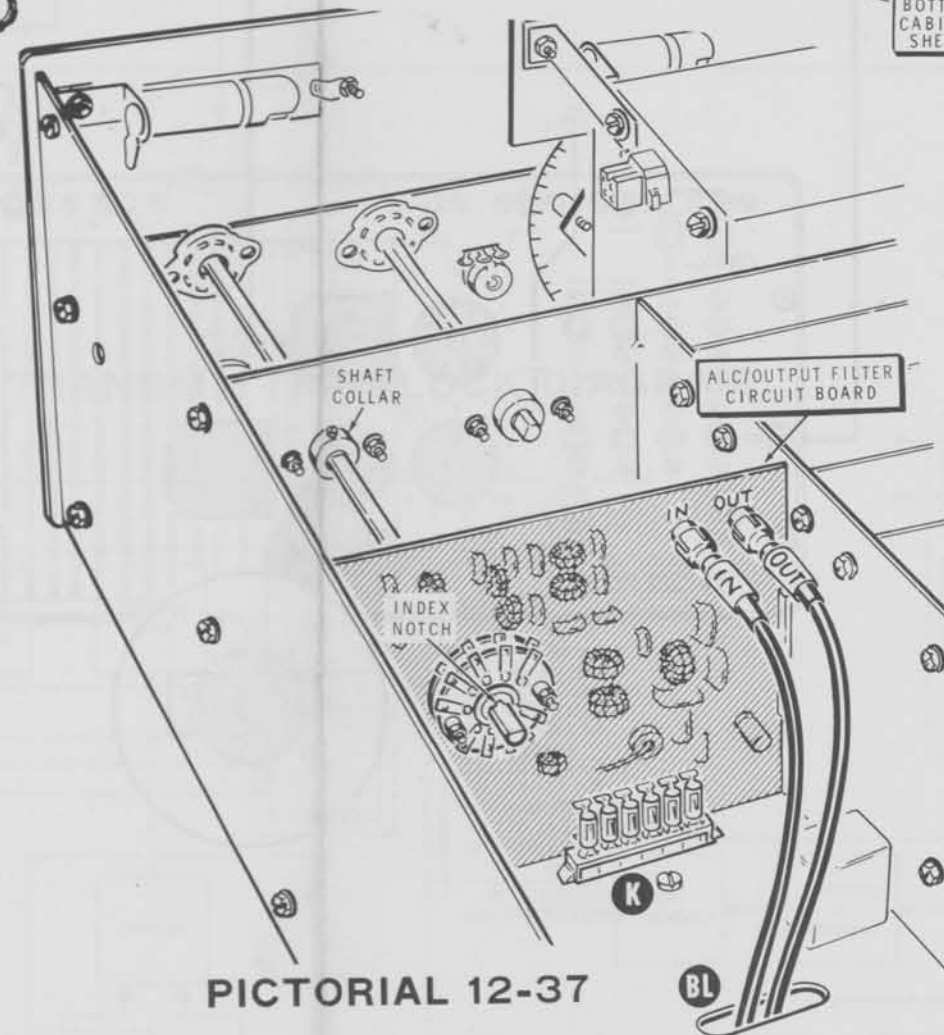
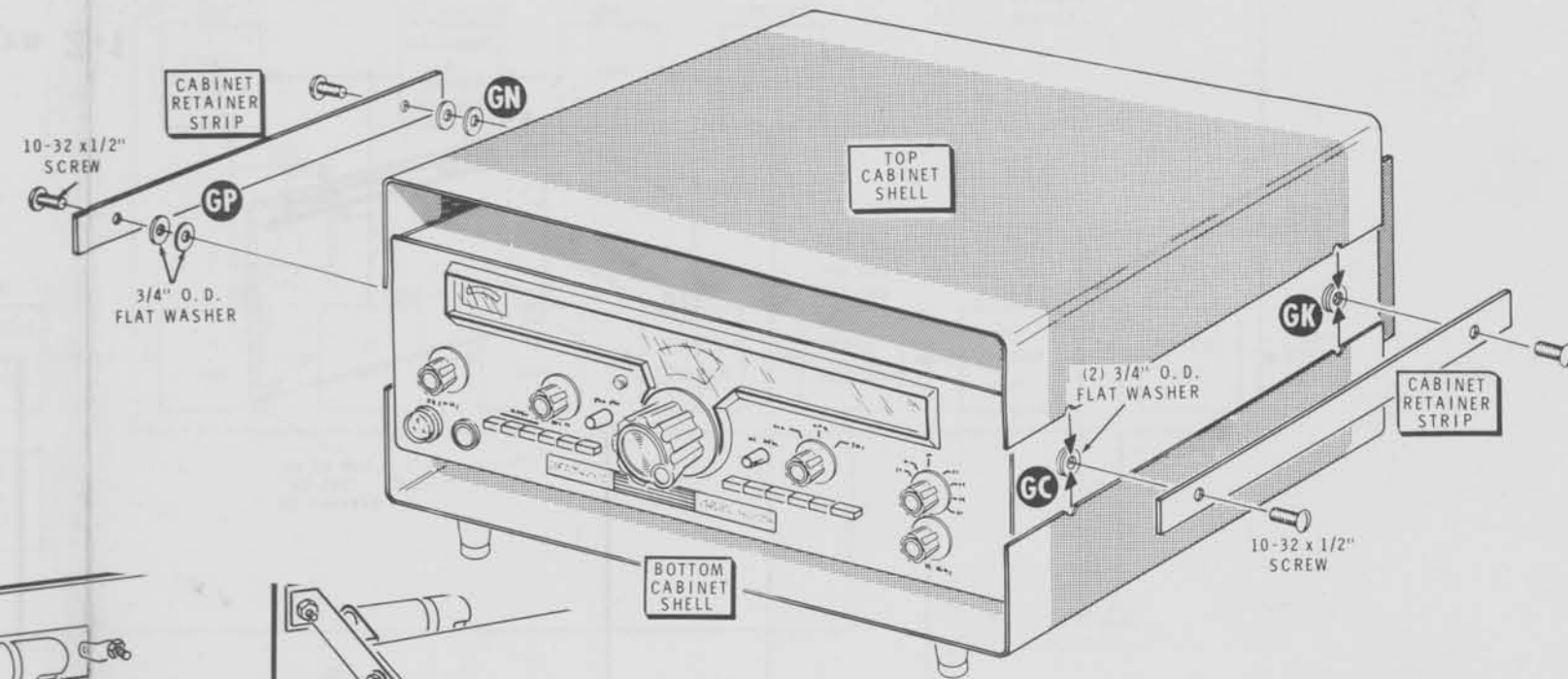


Figure 1-3



PICTORIAL 12-37



PICTORIAL 12-41

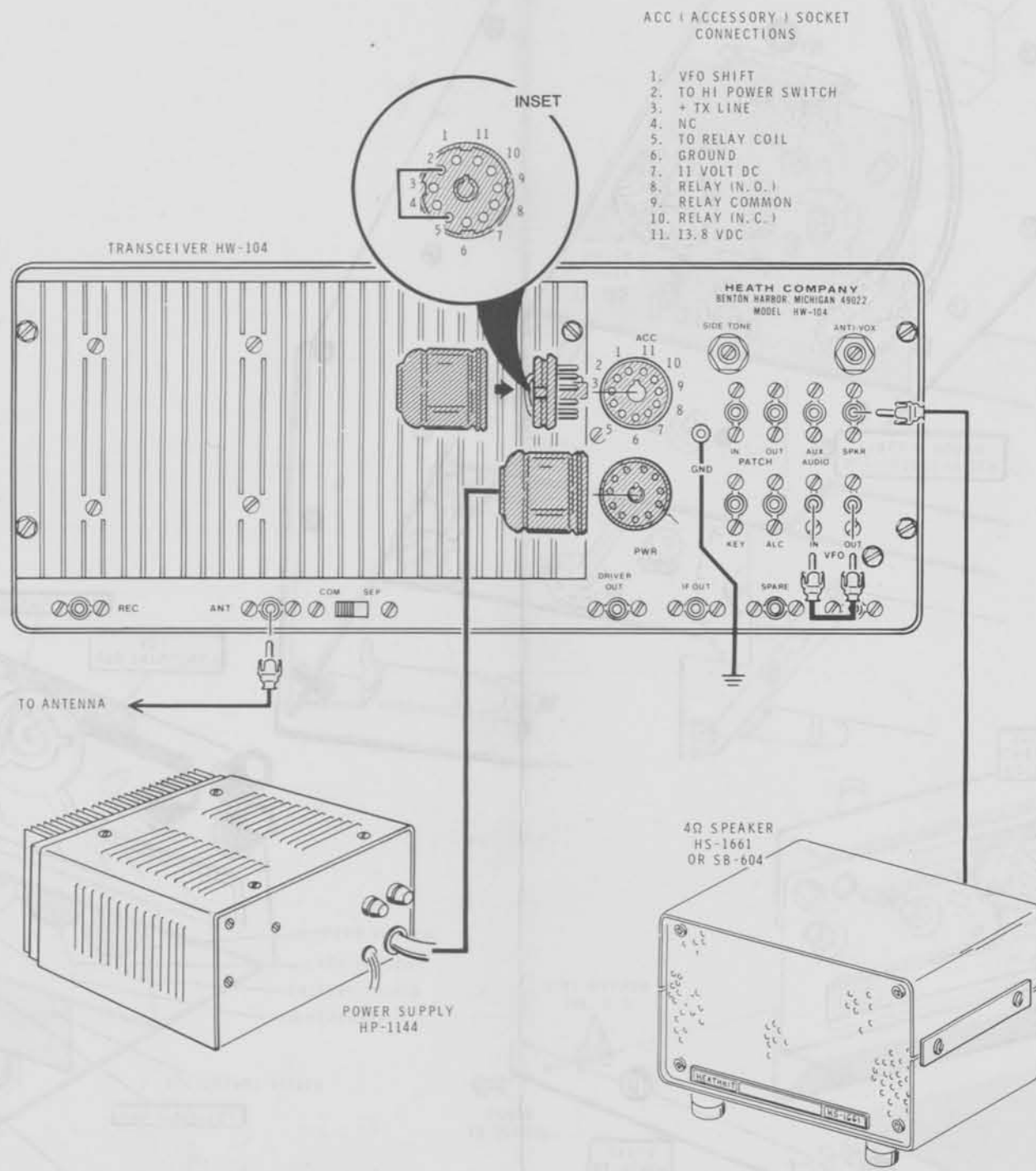
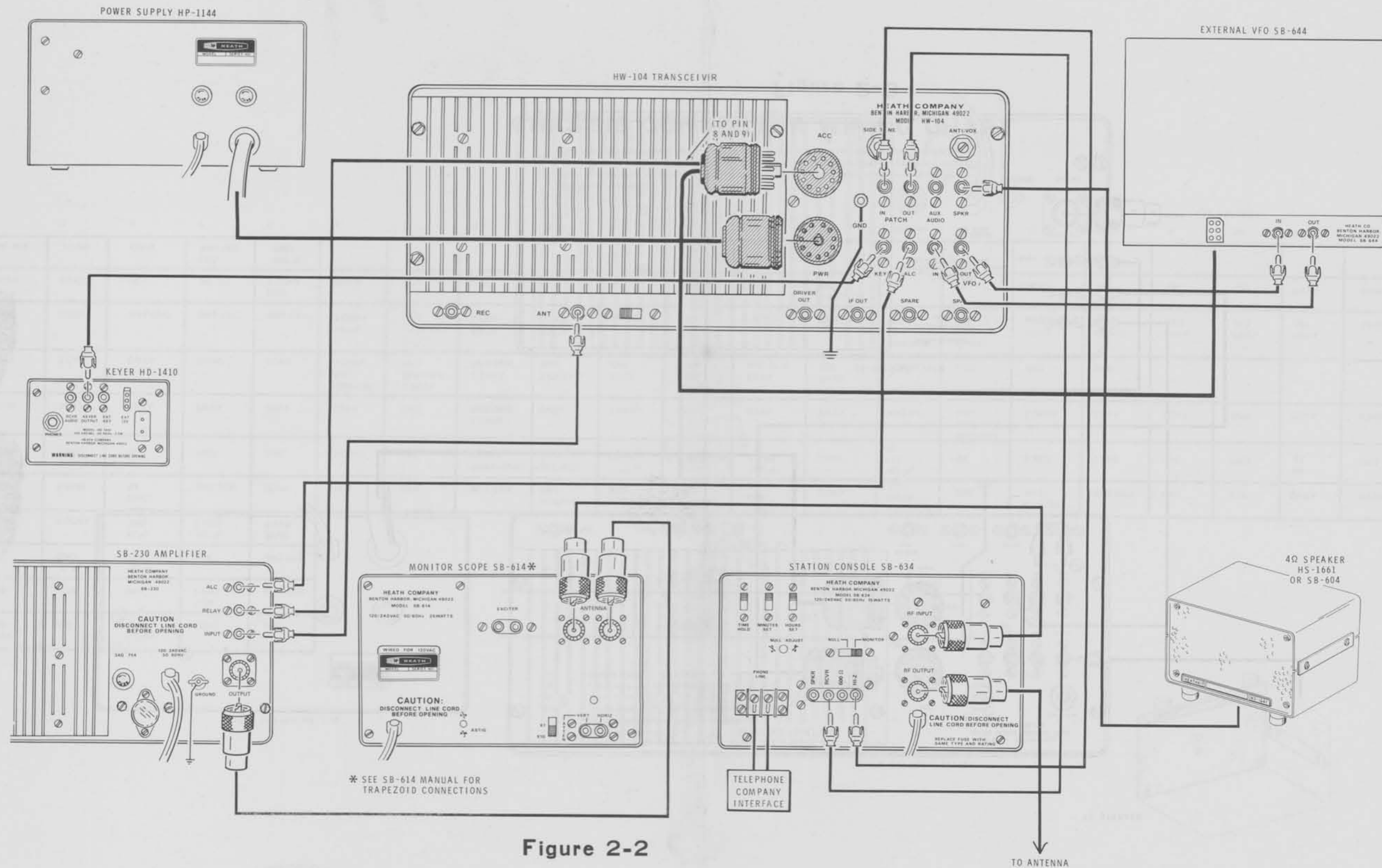


Figure 2-1



FUNCTIONS AND CHASSIS INTERCONNECTIONS

FIGURE 2-3

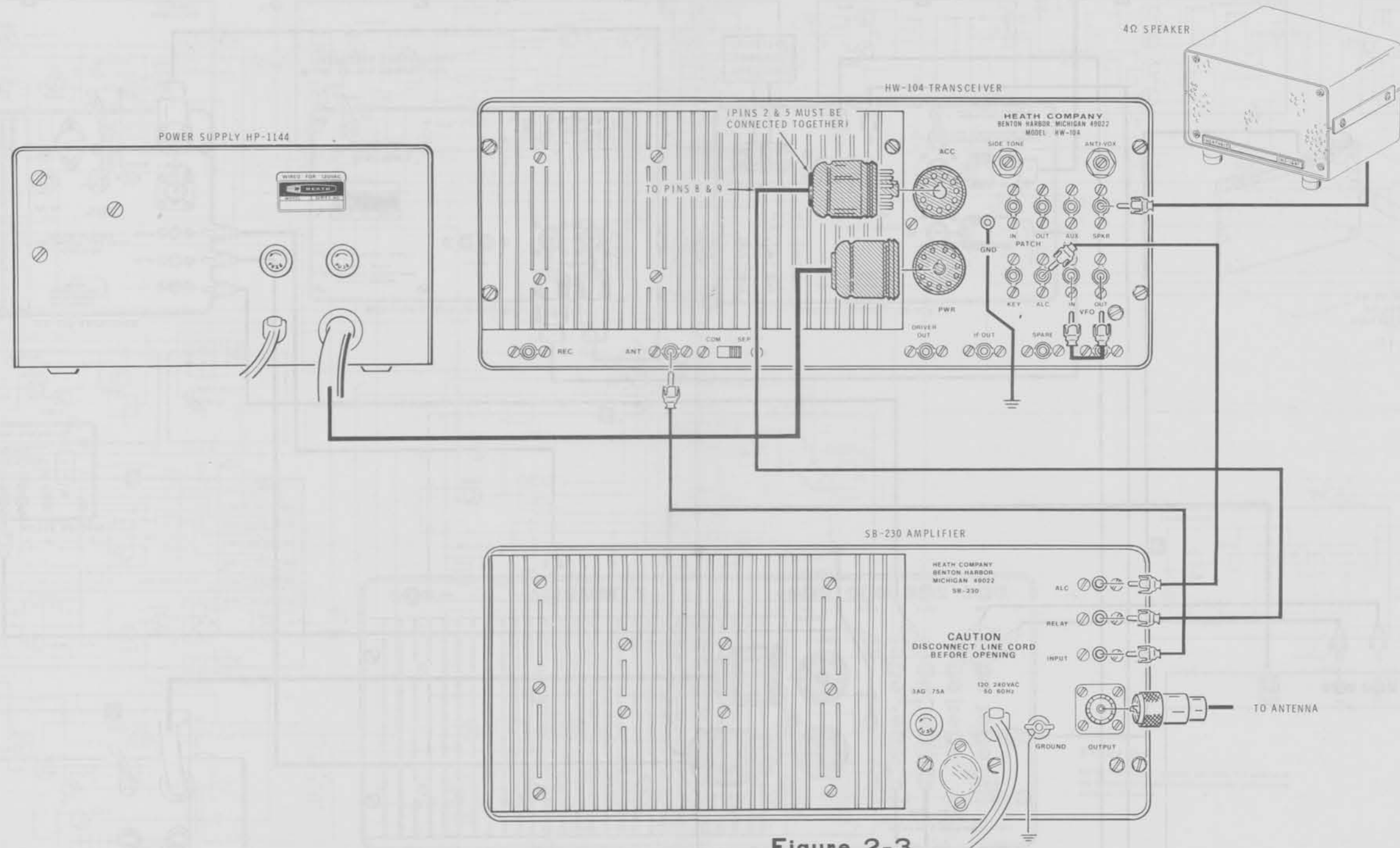
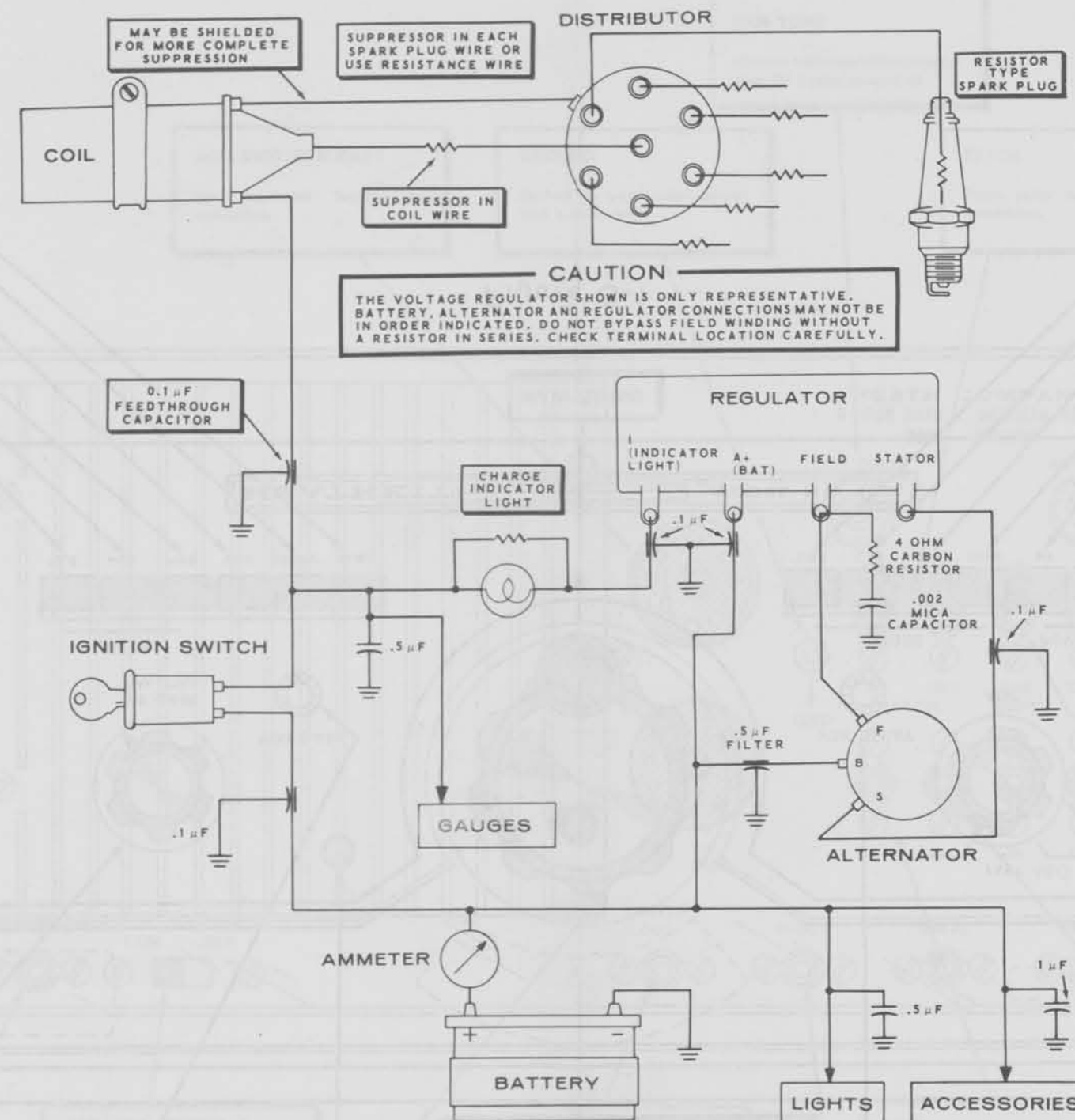


Figure 2-3



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

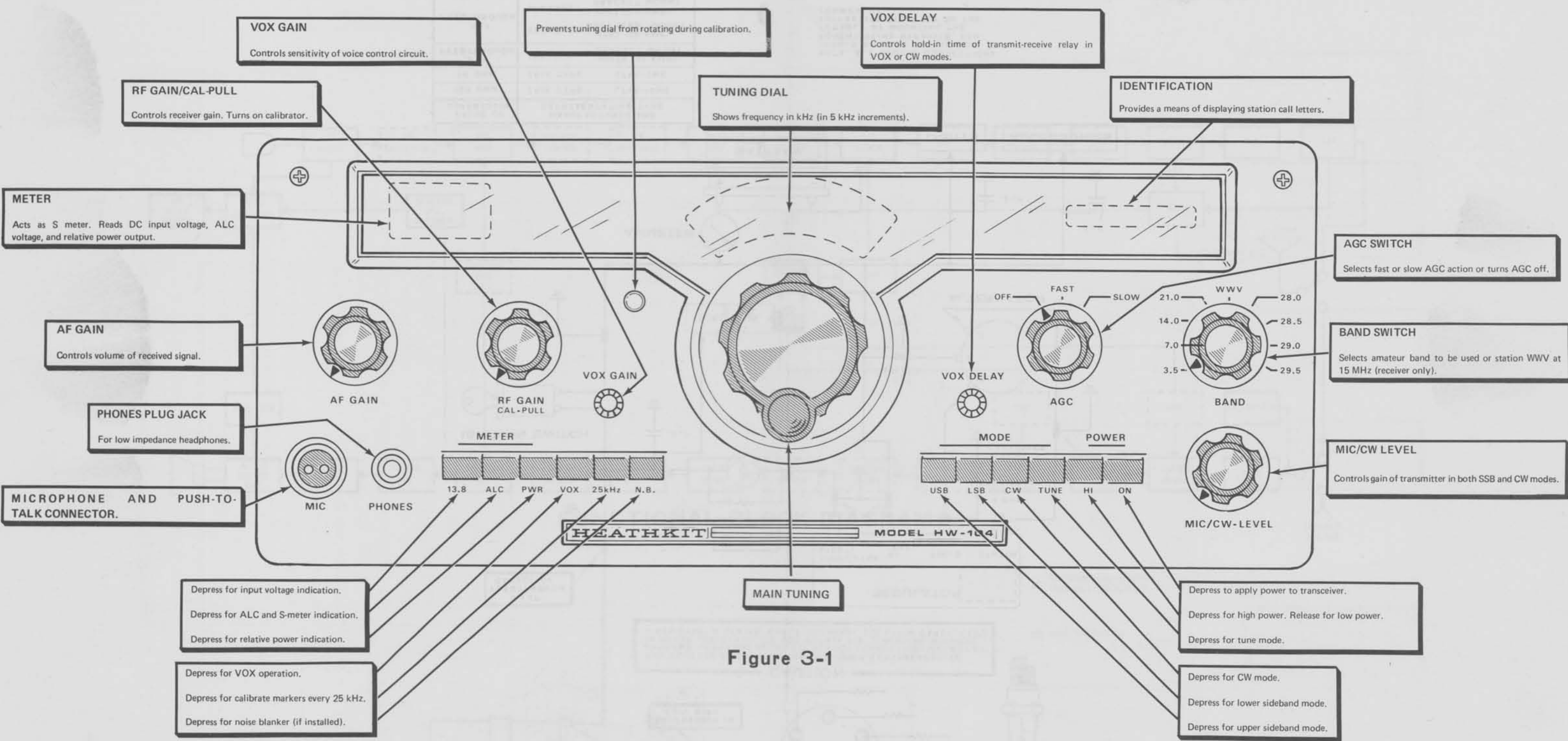


Figure 3-1

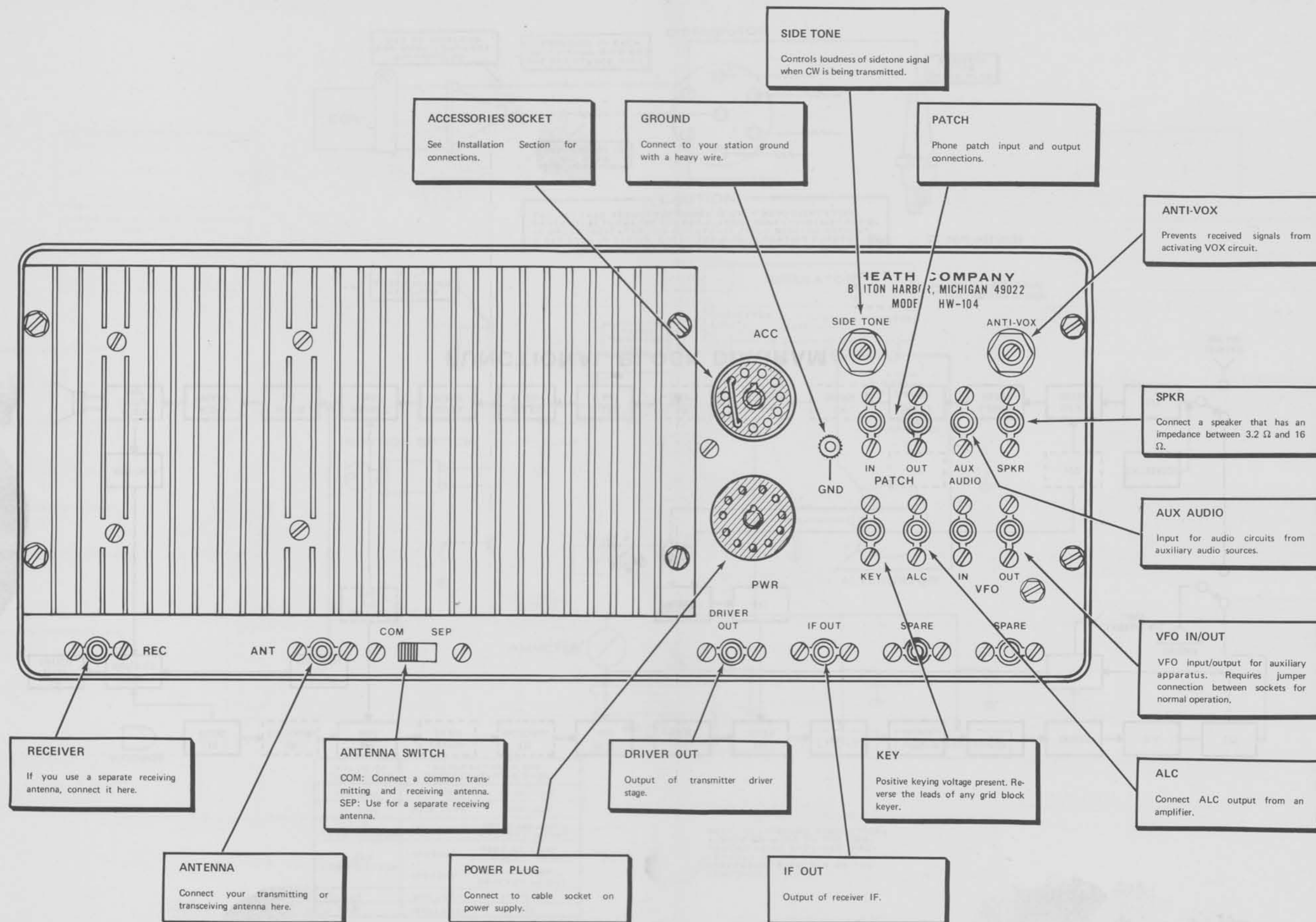
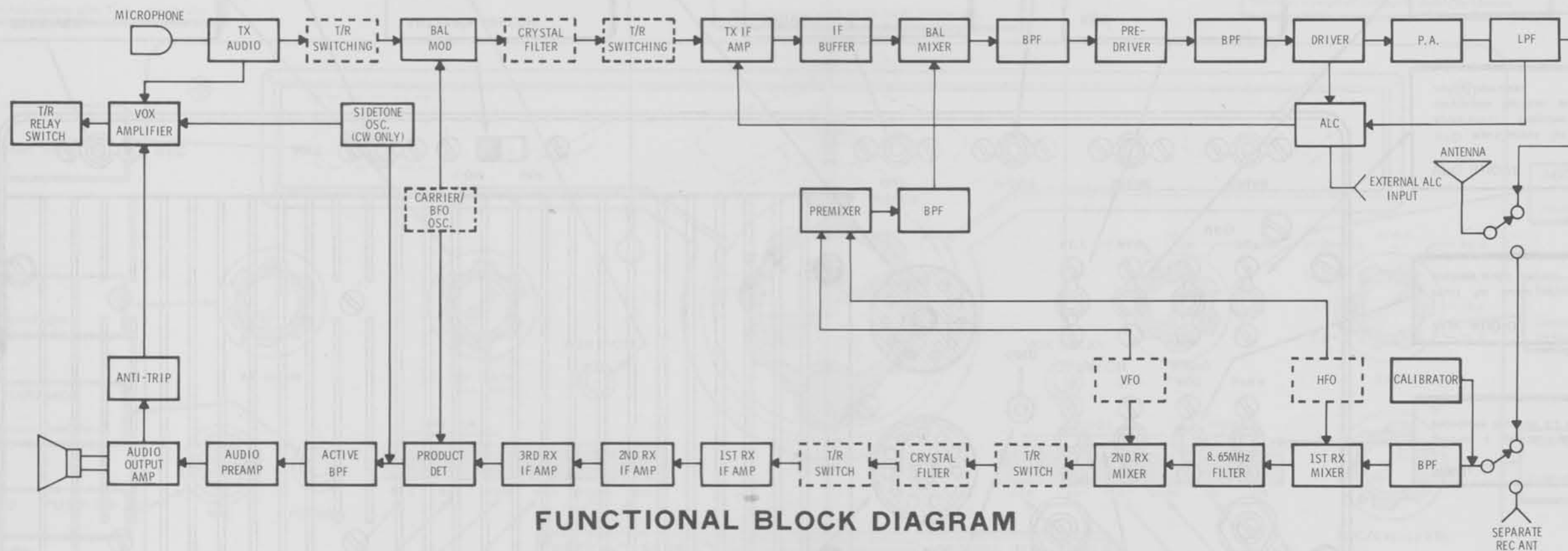


Figure 3-2



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 μF																		
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 μF	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 μF	COAX	#6 #17 .001 μF	#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 μF	2 RED +47 μF	2 RED BARE																		
J	4 ORG +500 μF	#5	GND 47 μF	GRAY +47 μF	BLK	WHT-BLK																		
K	GND	GND	ORG	WHT	GRAY .1 μF	WHT-GRN																		
L*	COAX	GND GRAY	RED	GND 2 GRAY	COAX	RED																		

*NOISE BLANKER

EXAMPLE:

	7	8	9	10	11	12
R	2 WHT	BLU WHT-RED-RED	#2	#3 COAX	2 GND .47 μF	GRAY ORG

- 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

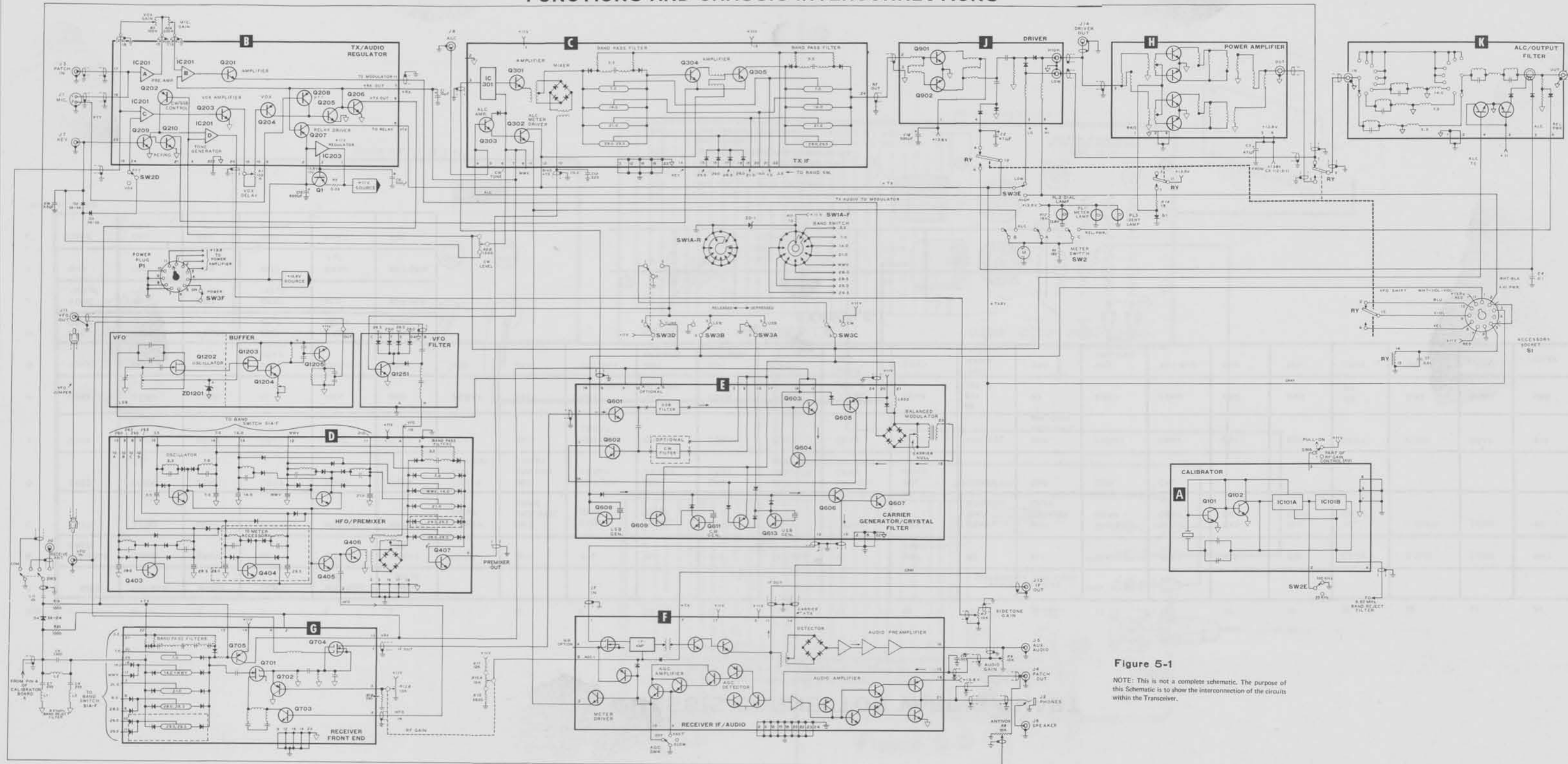


Figure 5-1

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

