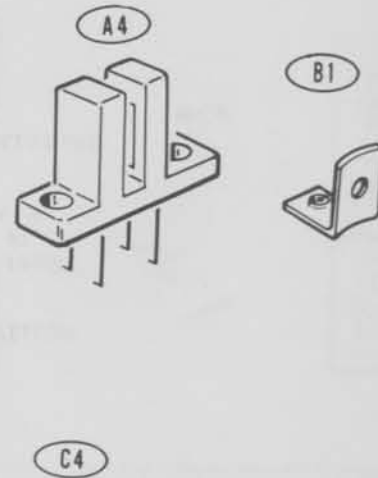
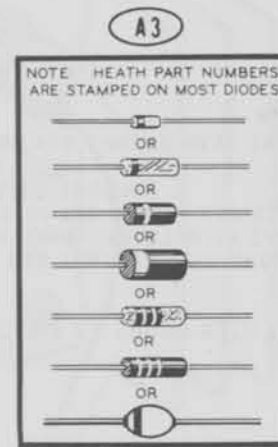
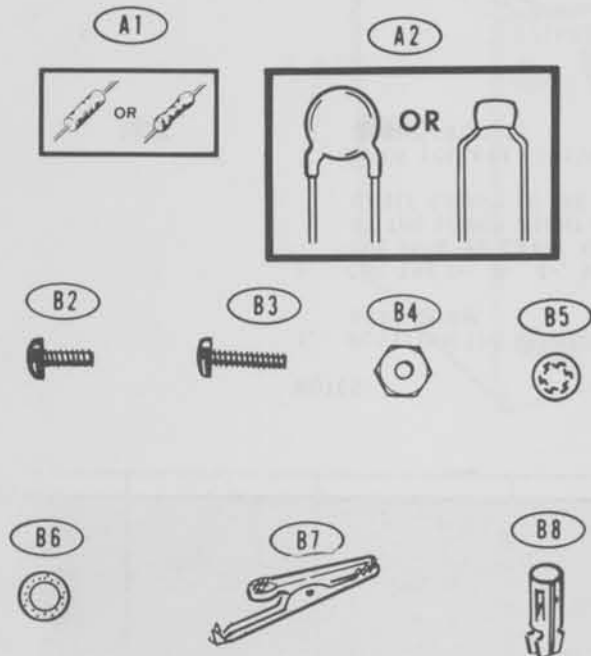


ILLUSTRATION BOOKLET

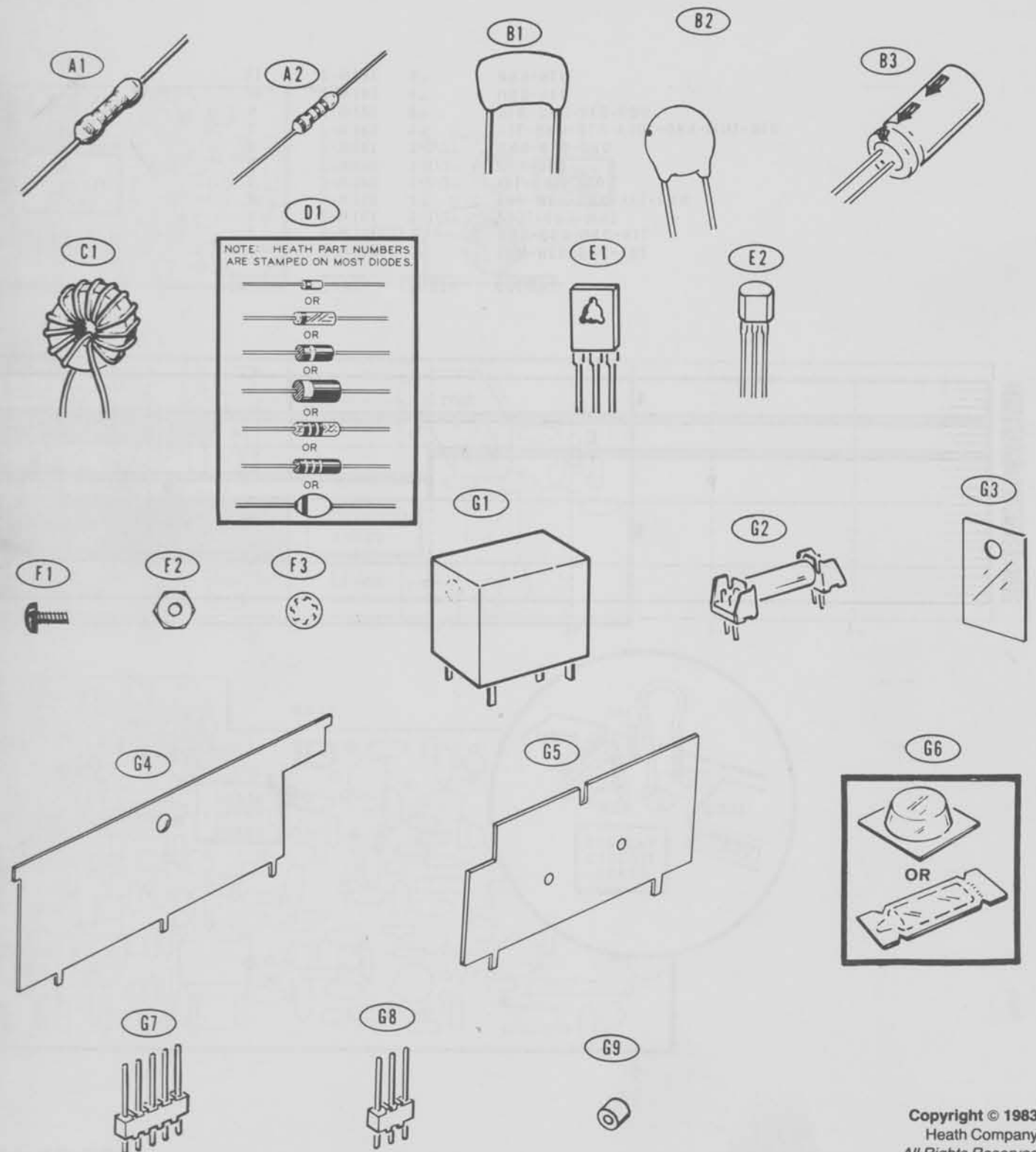
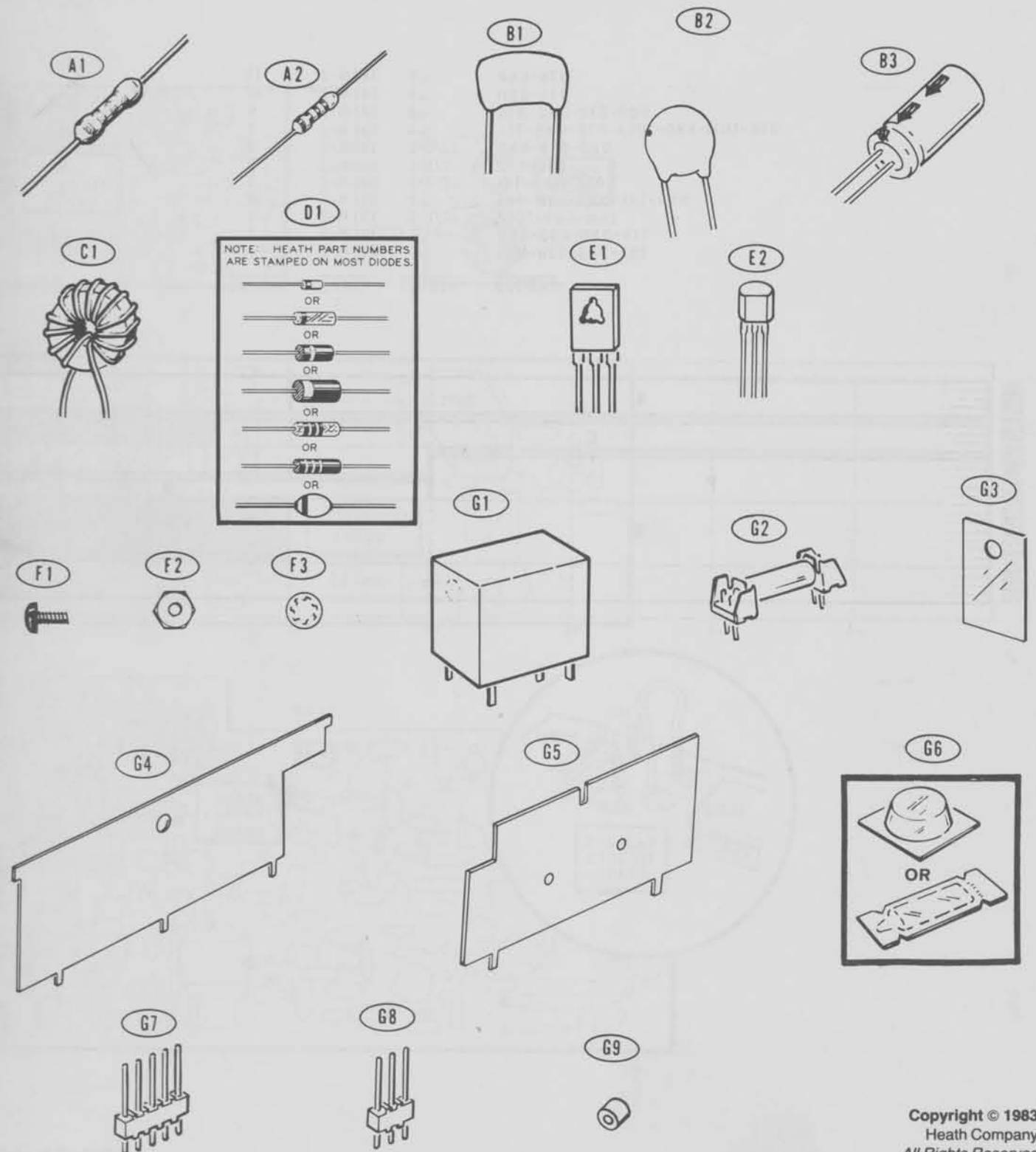
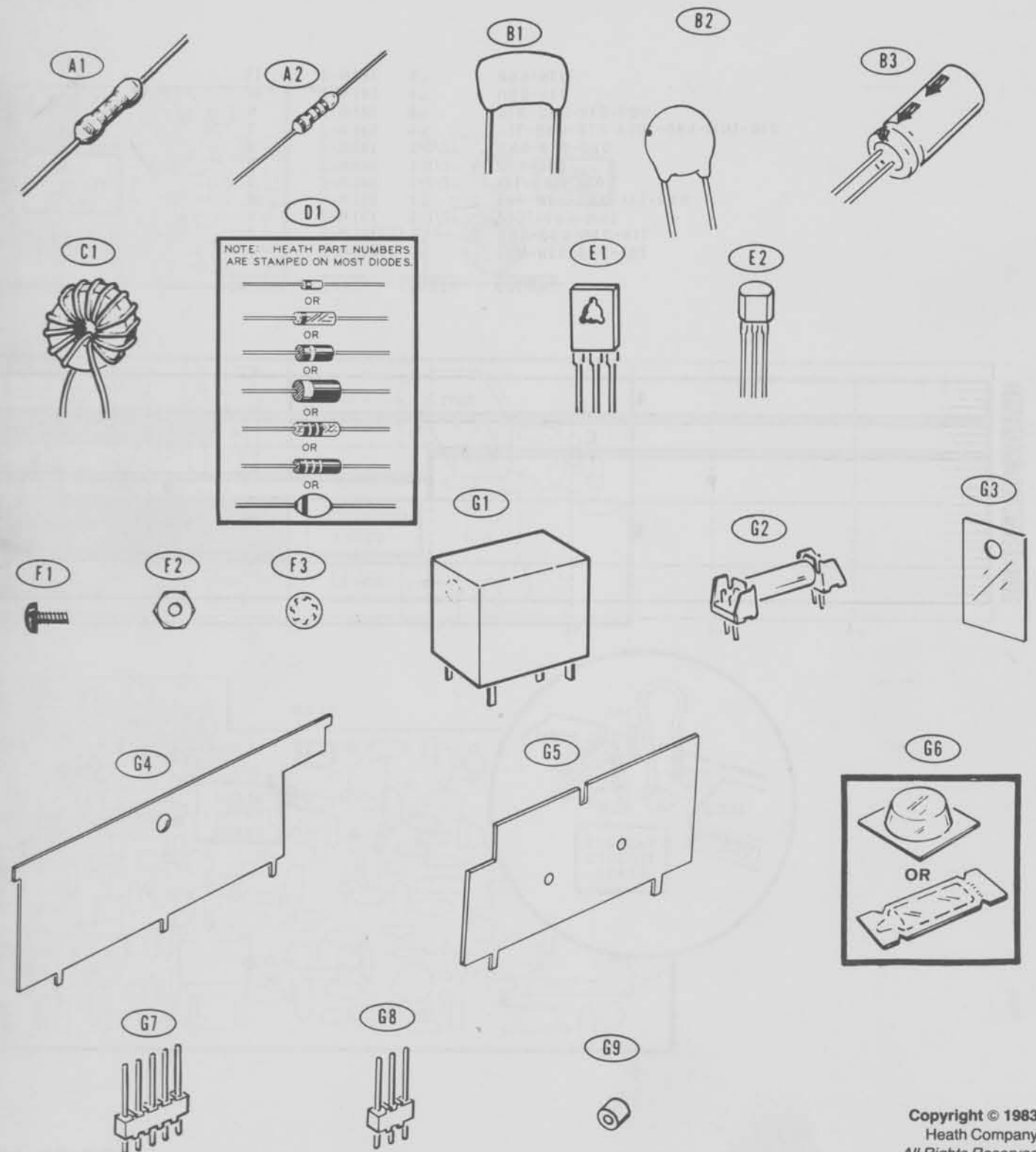
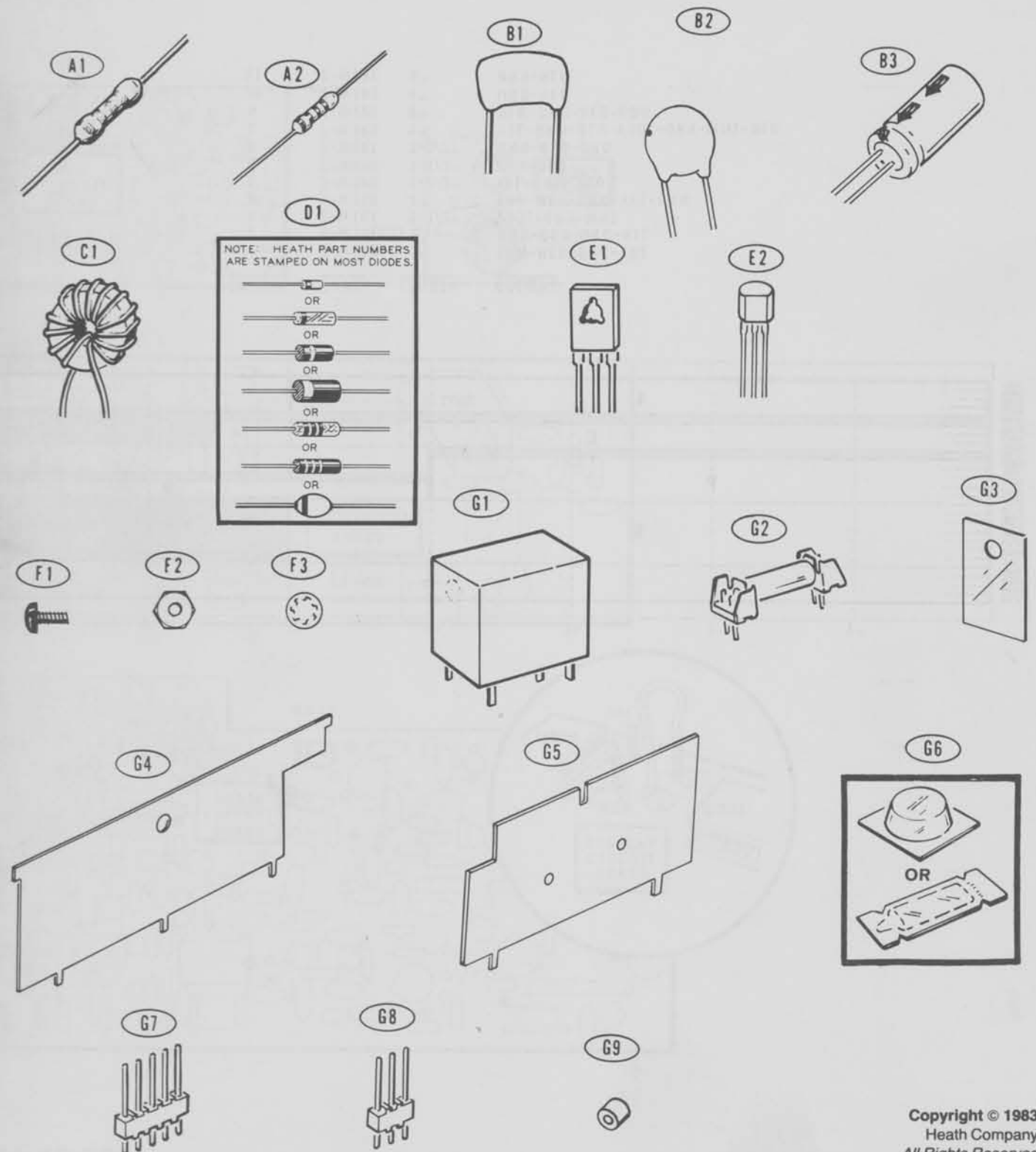
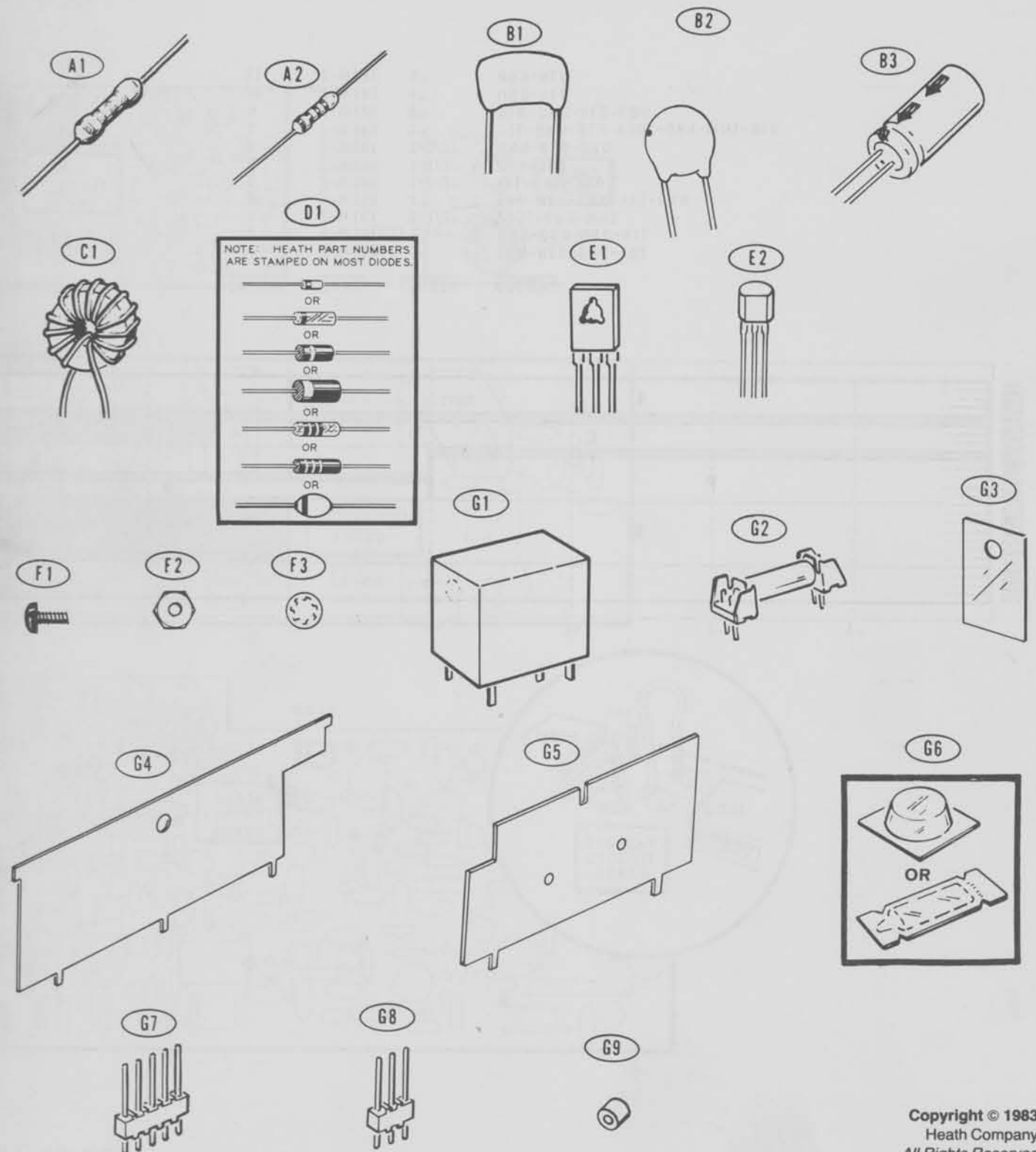
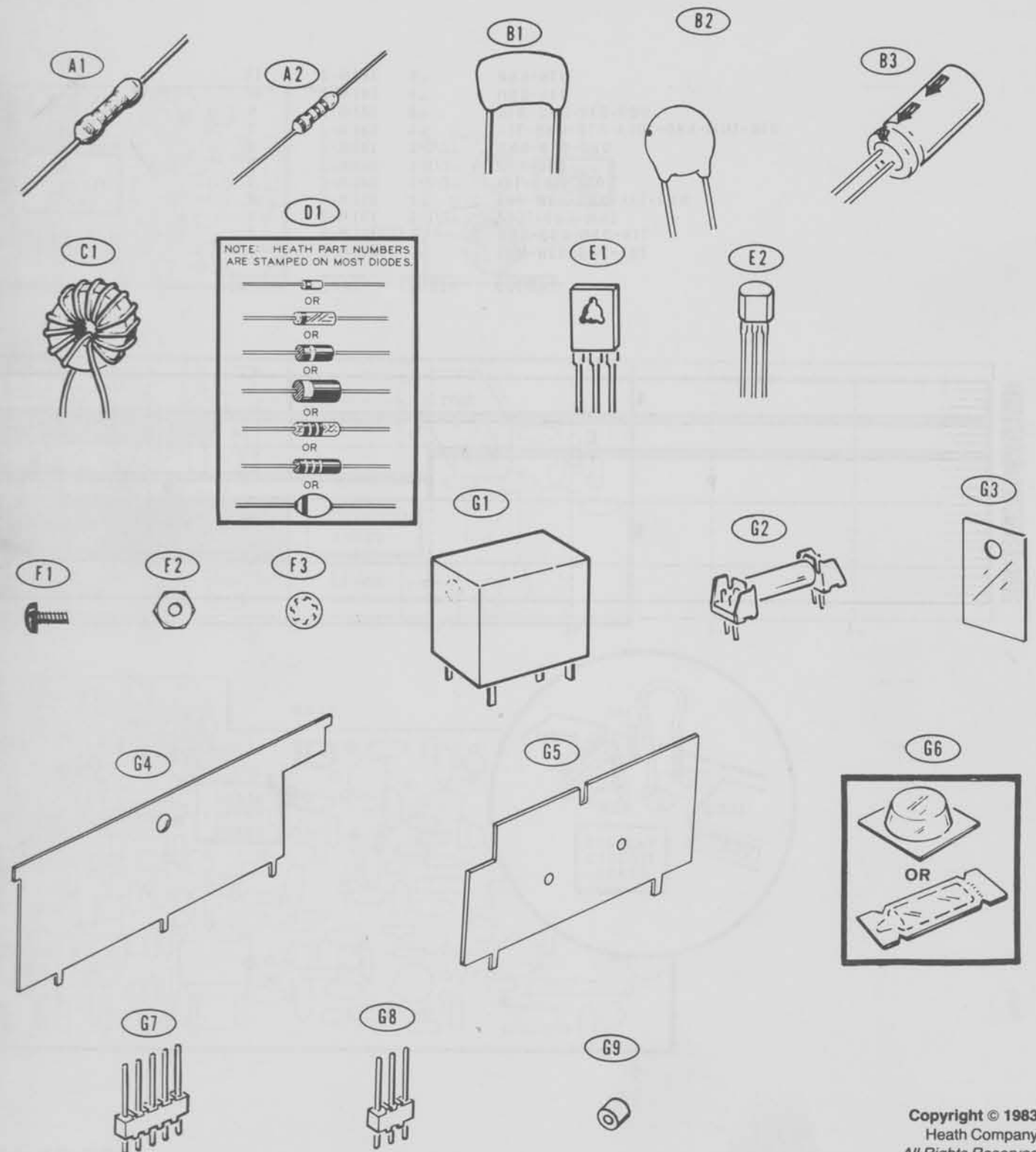
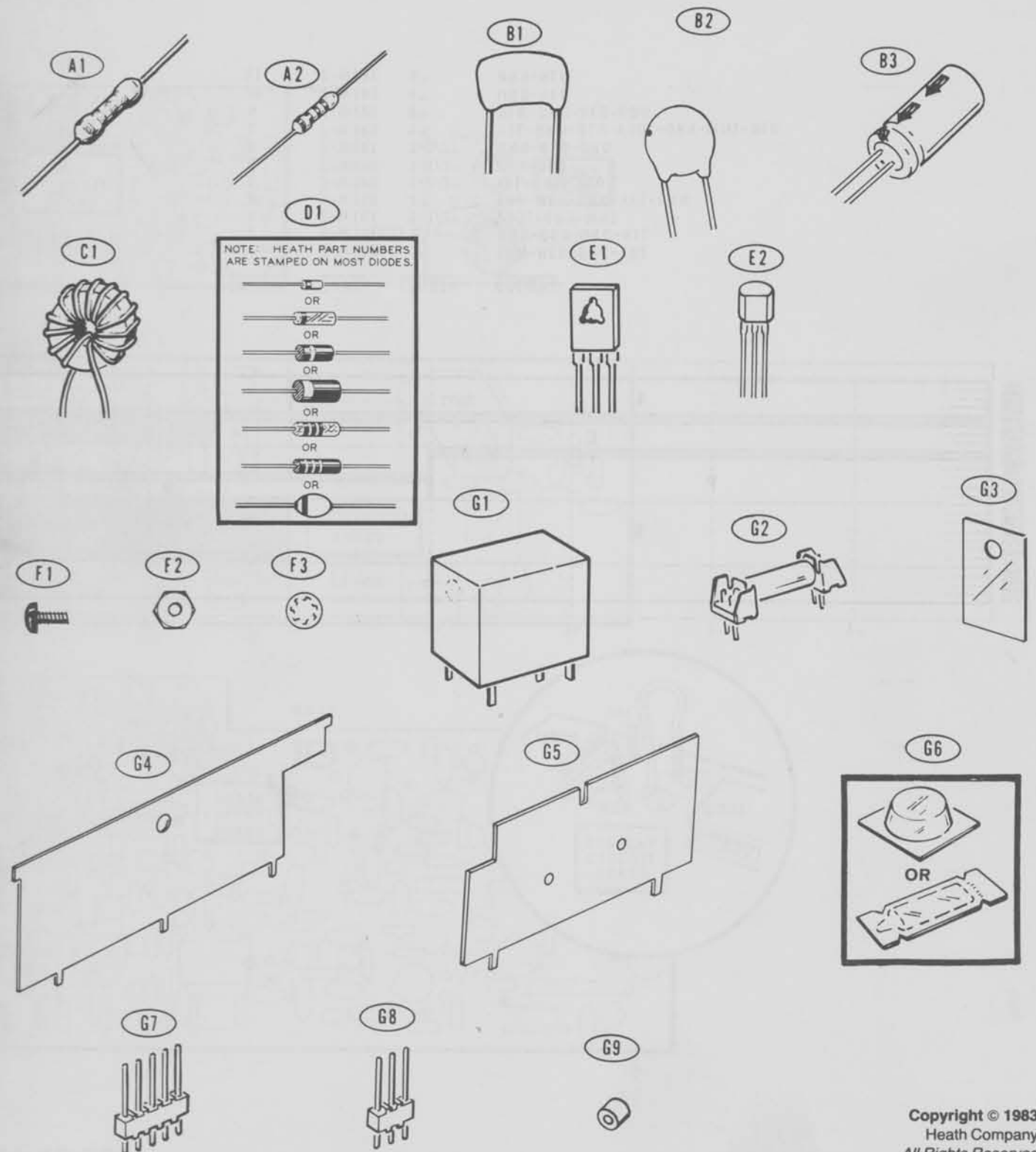
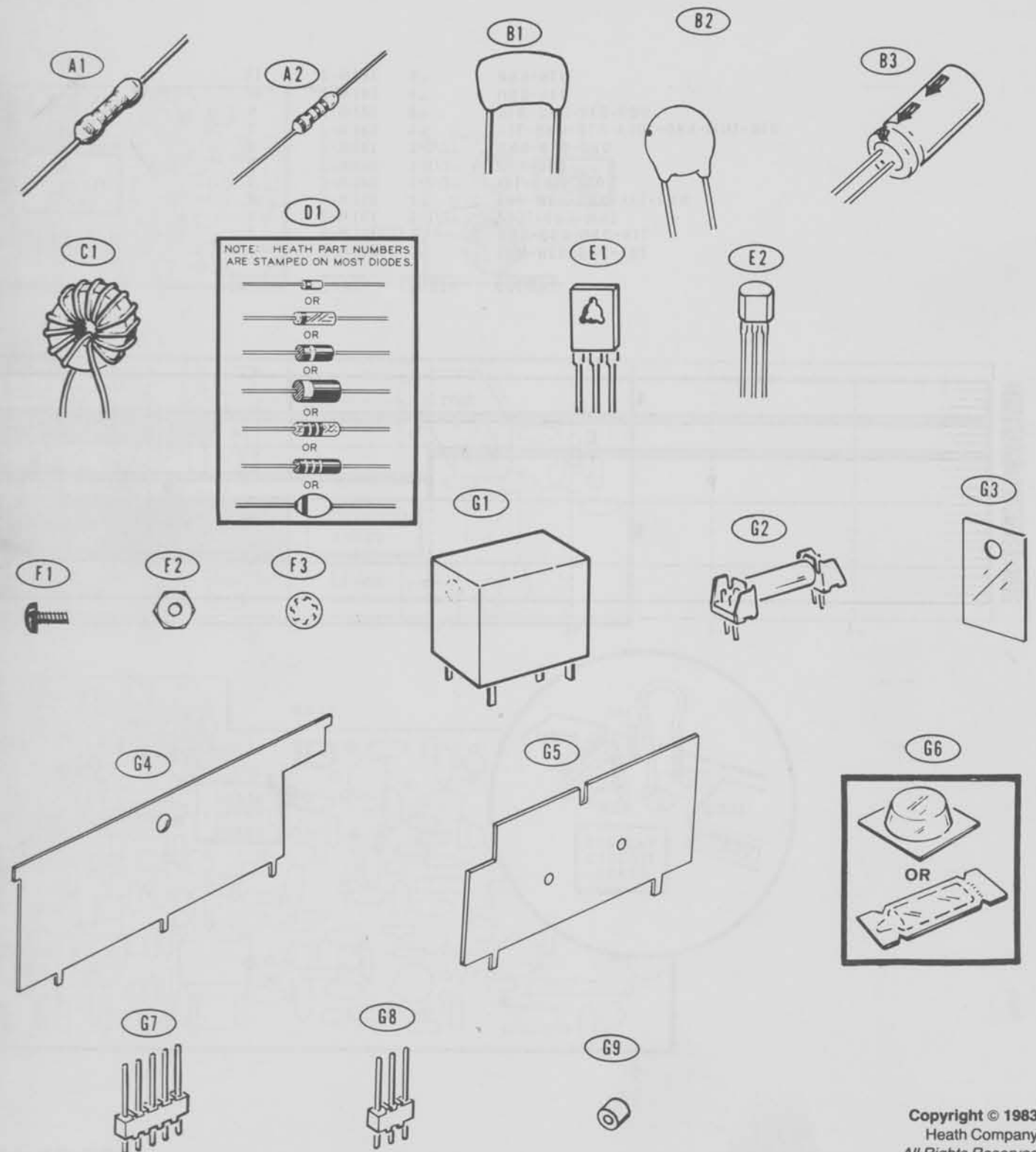
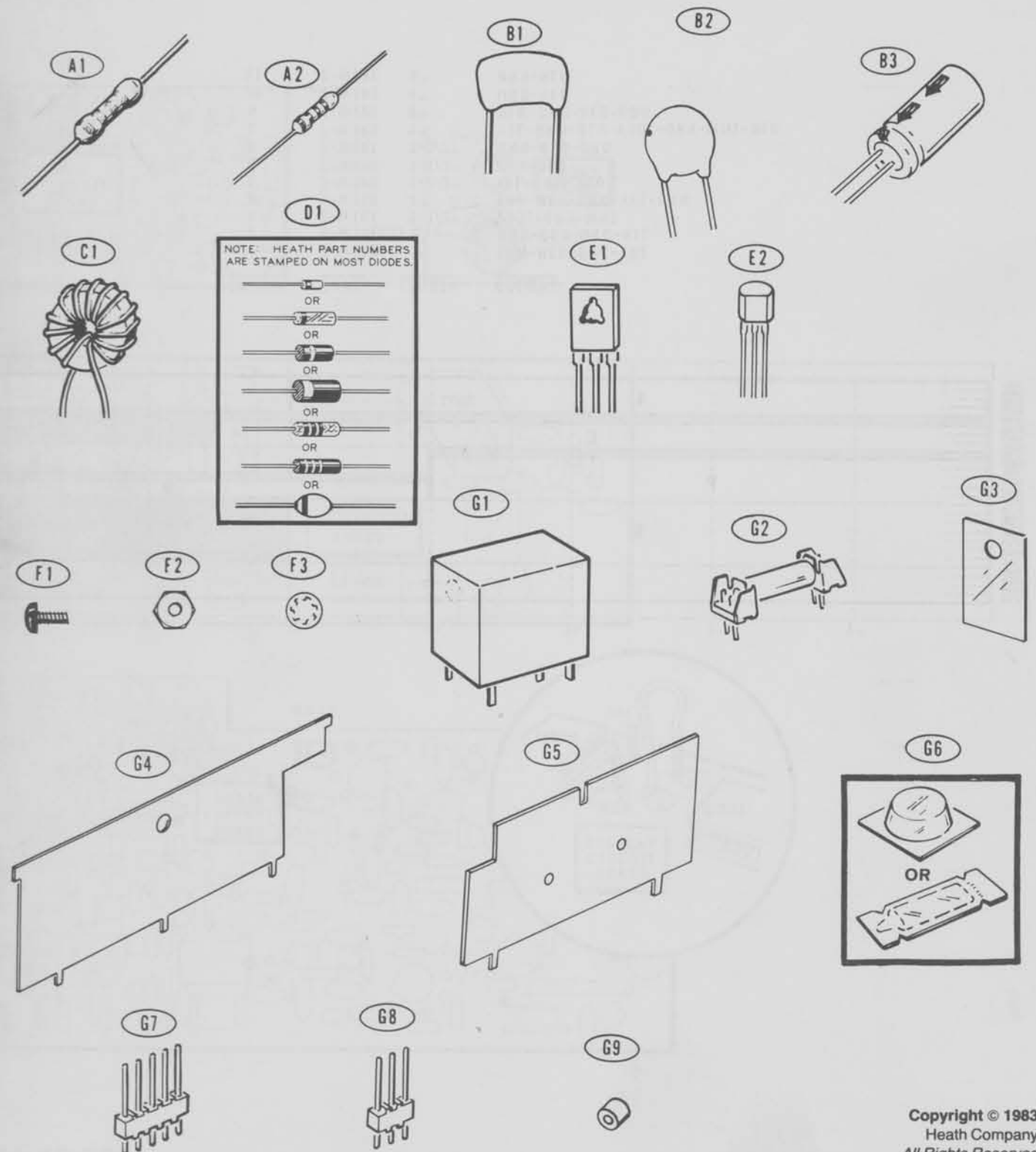
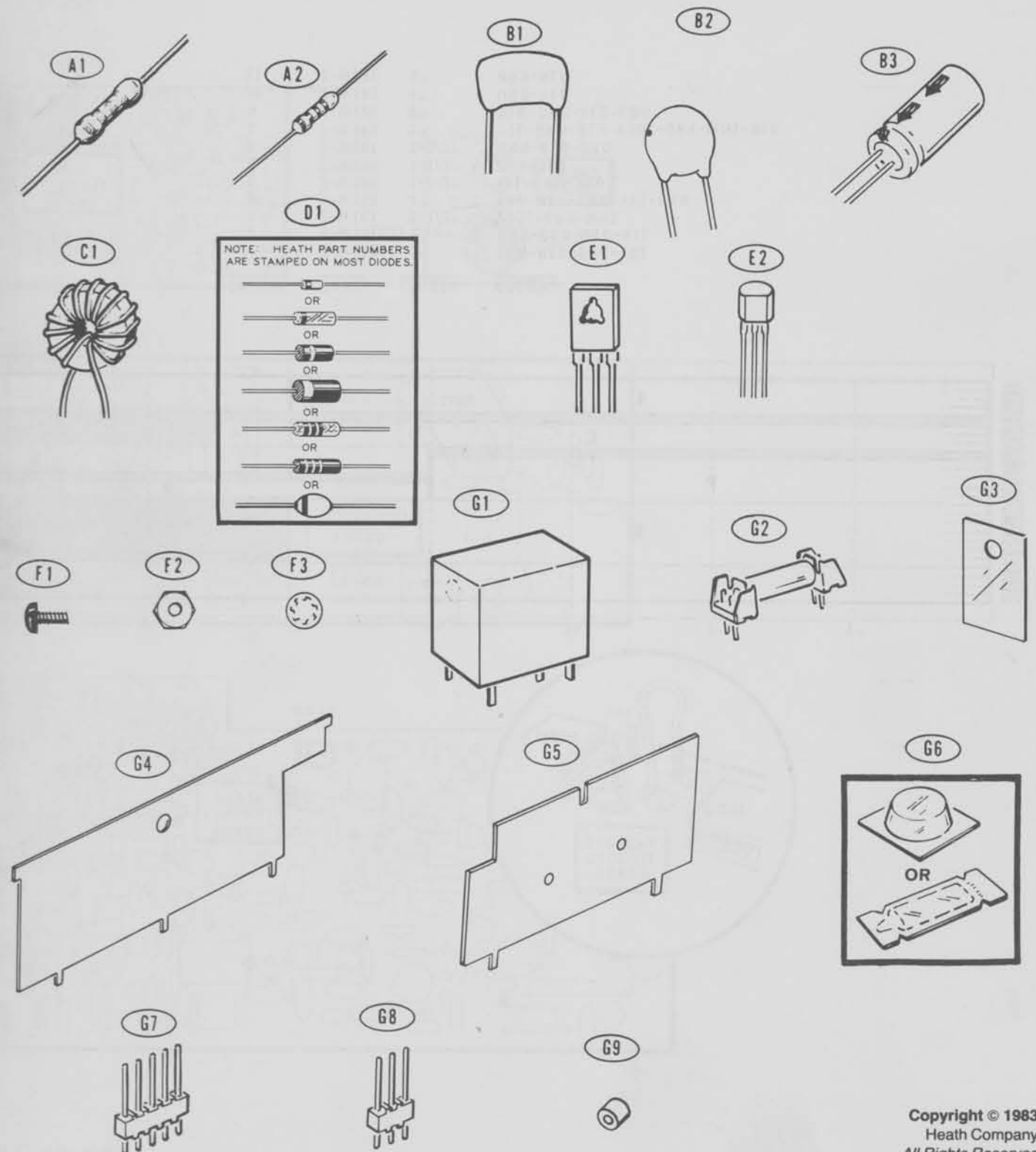
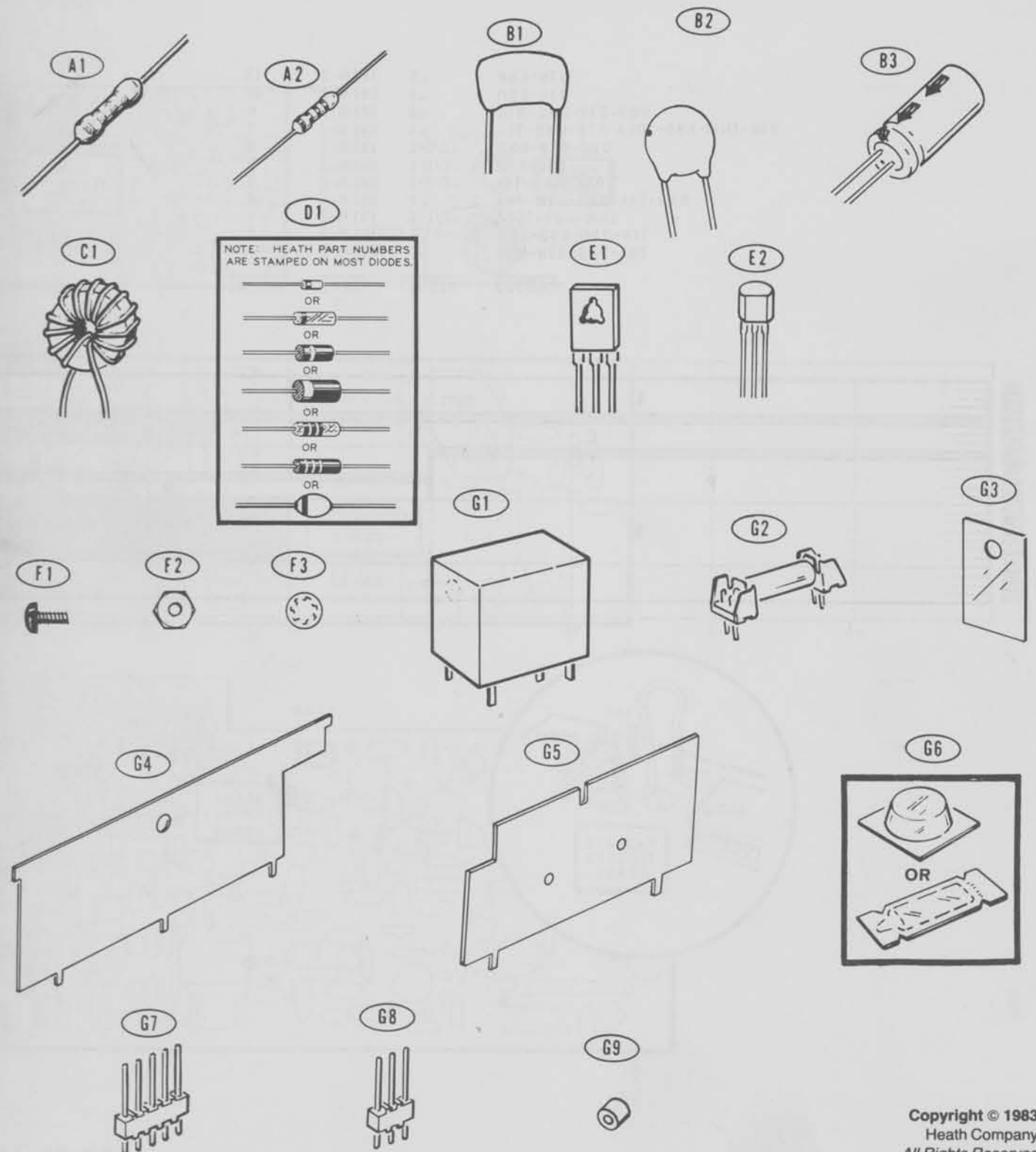
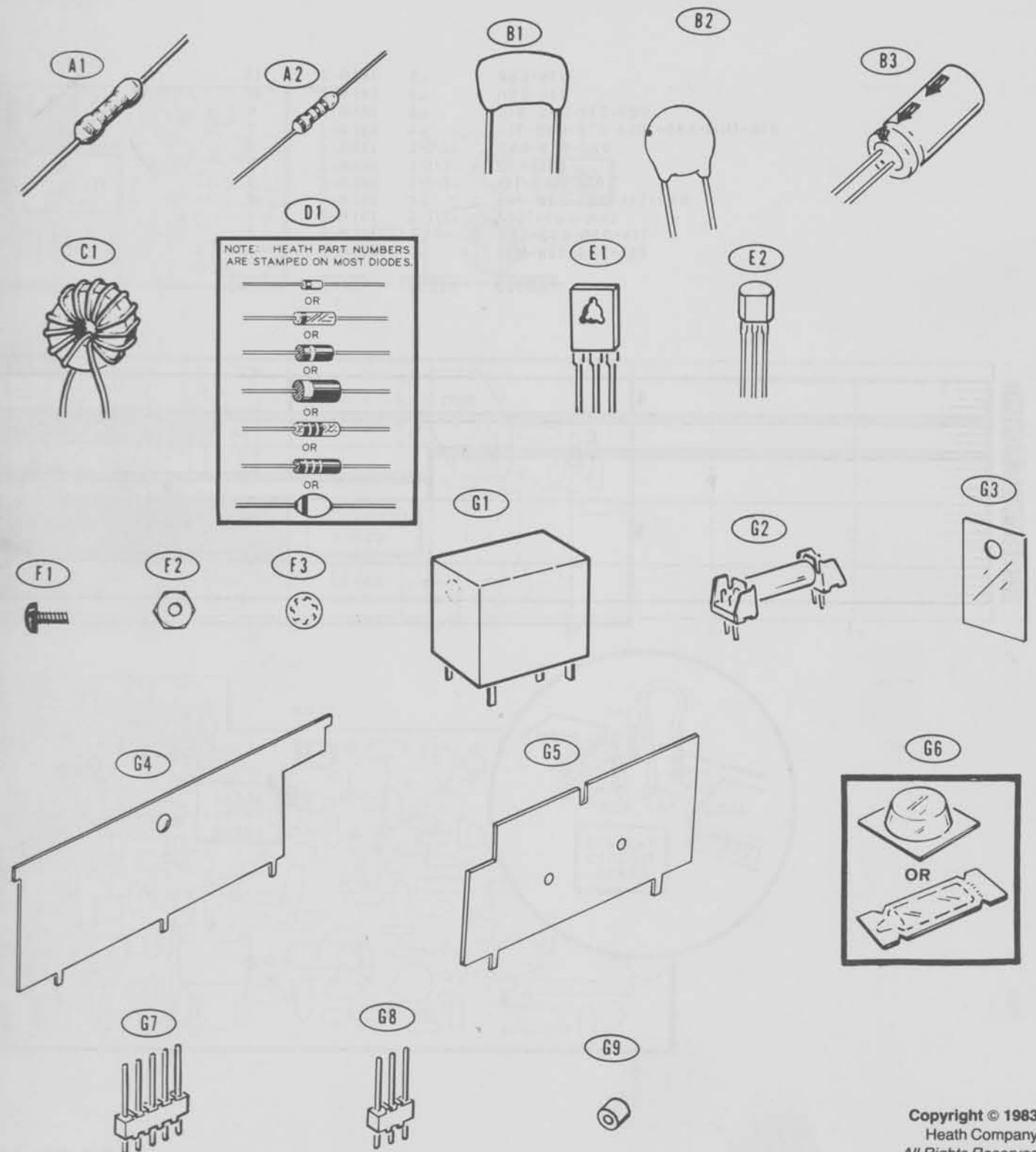
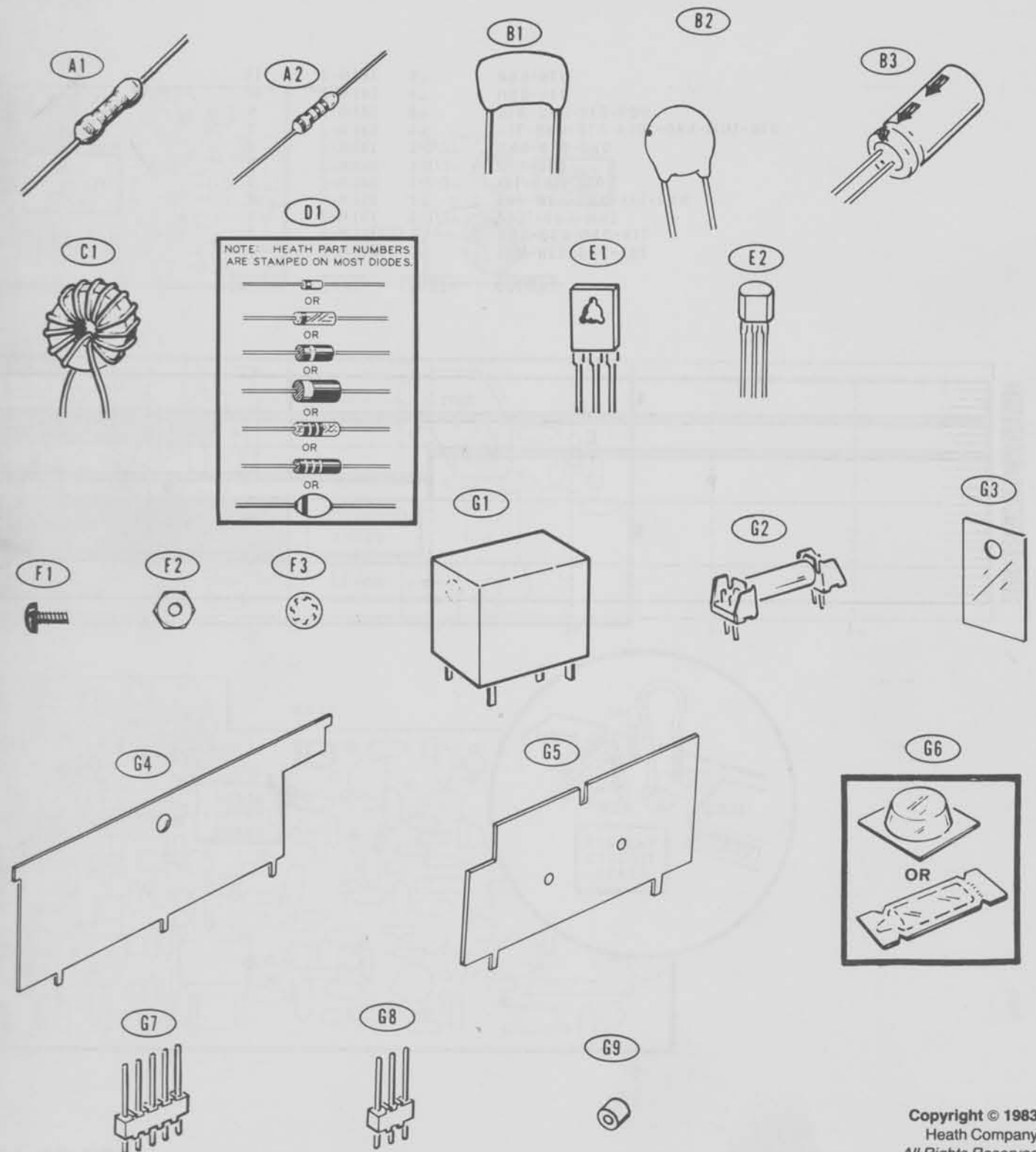
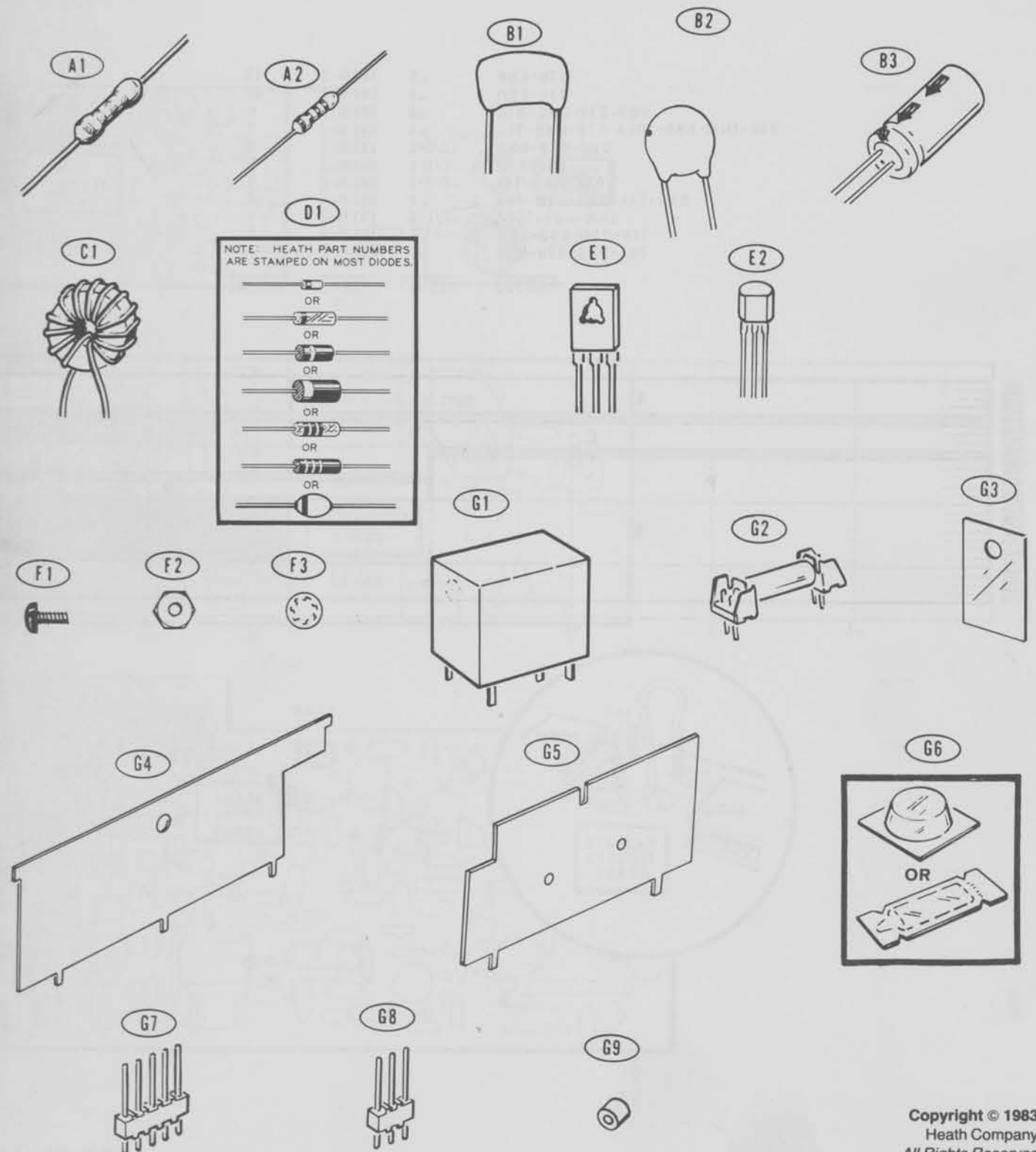
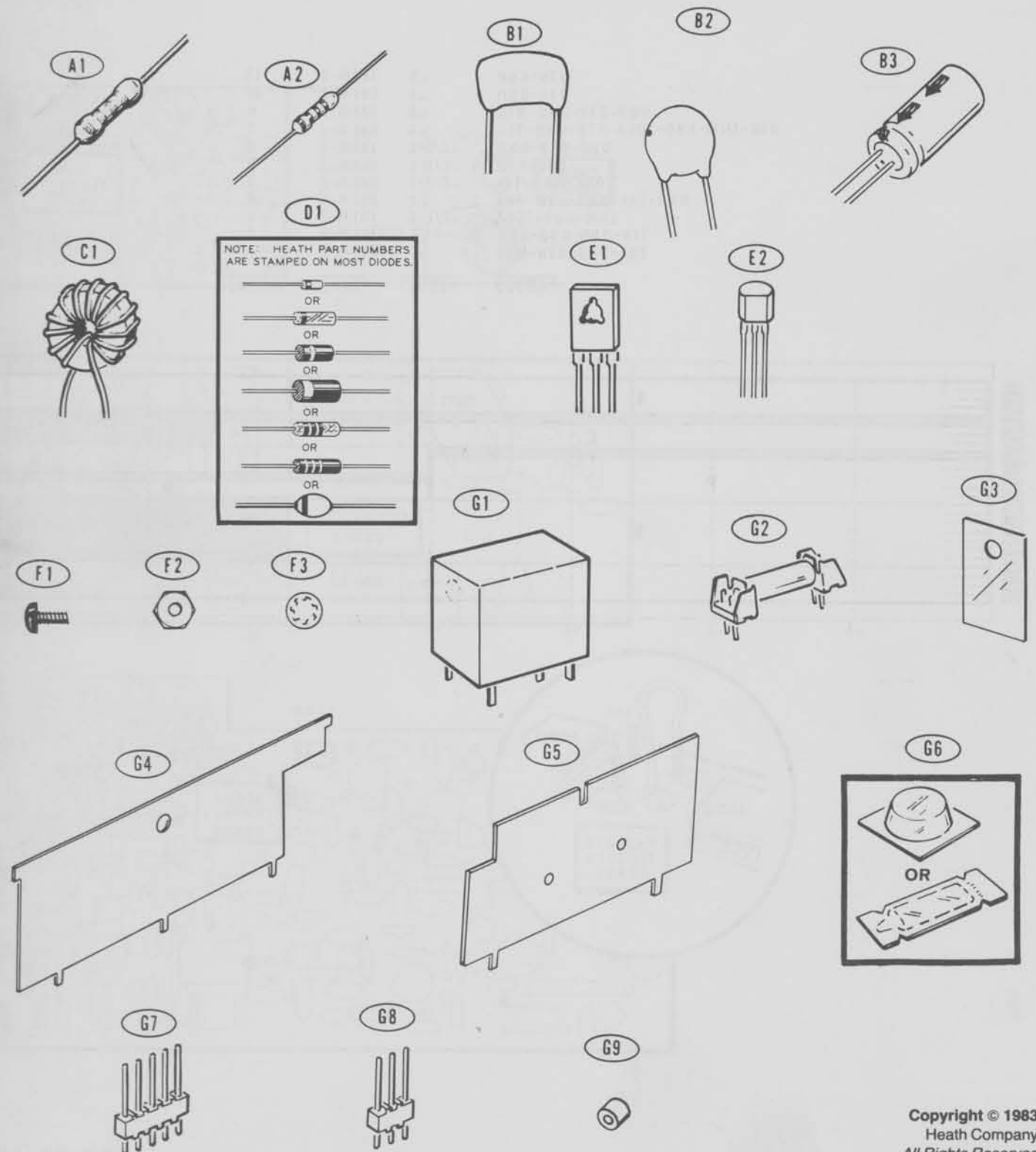
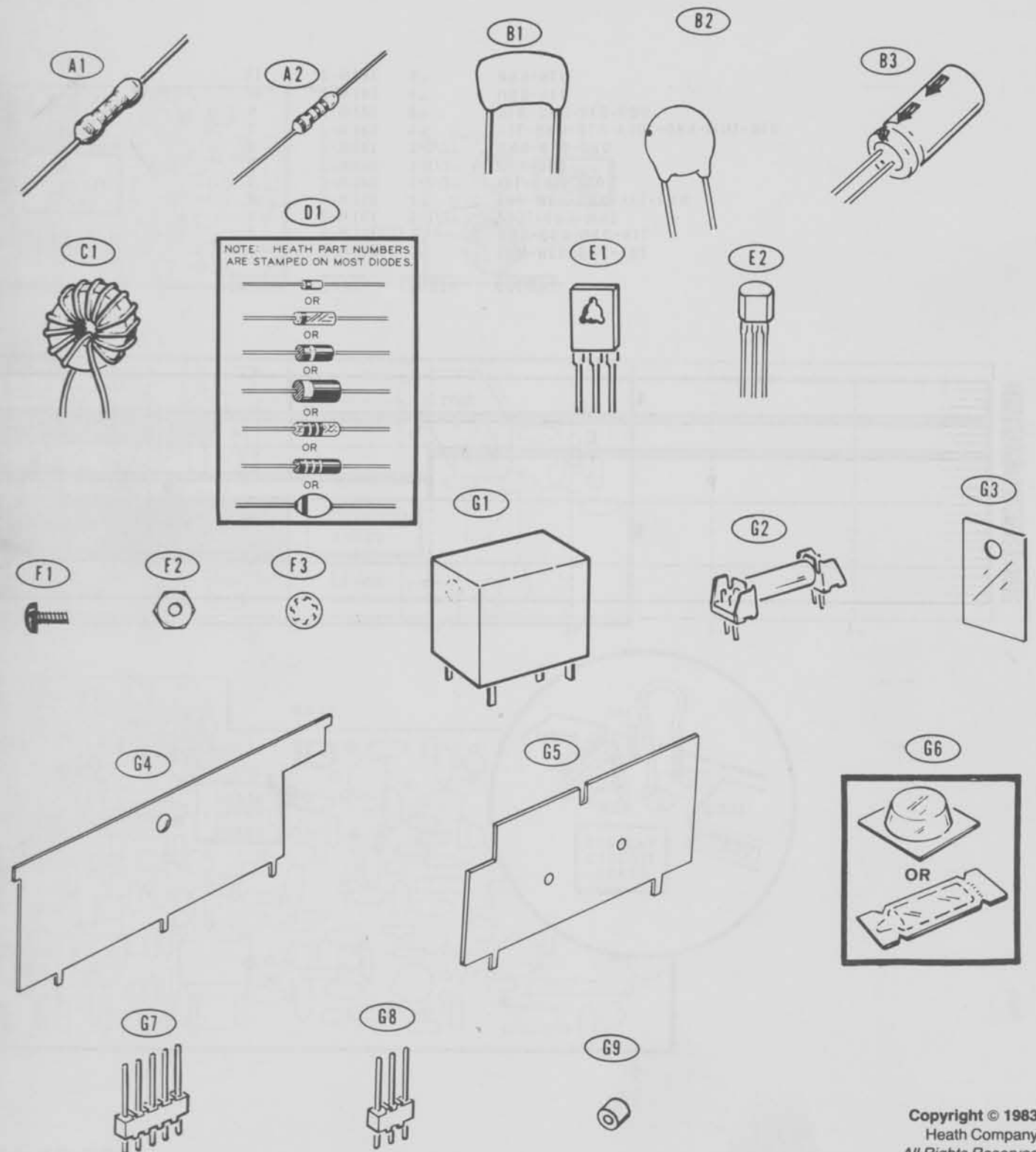
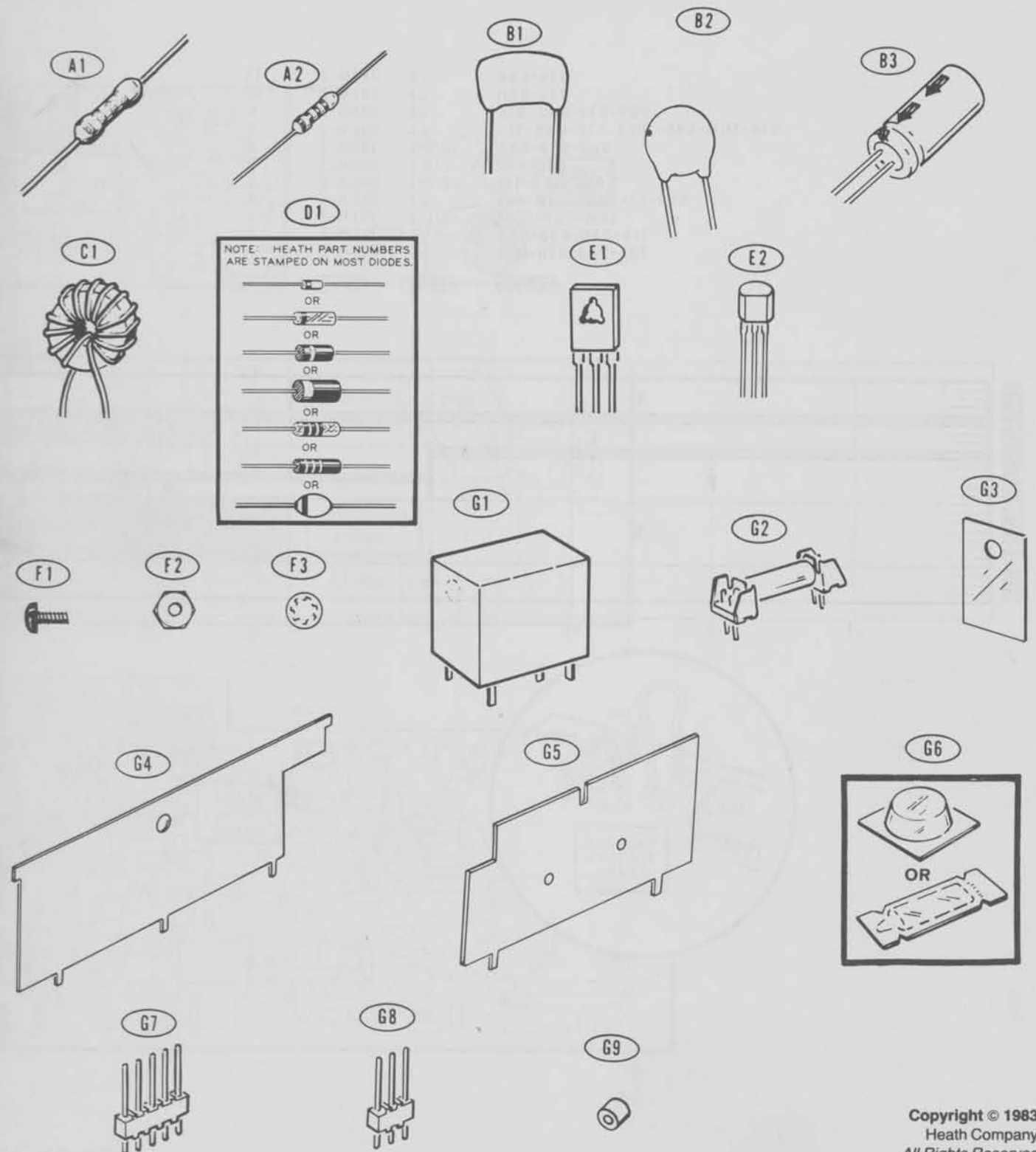
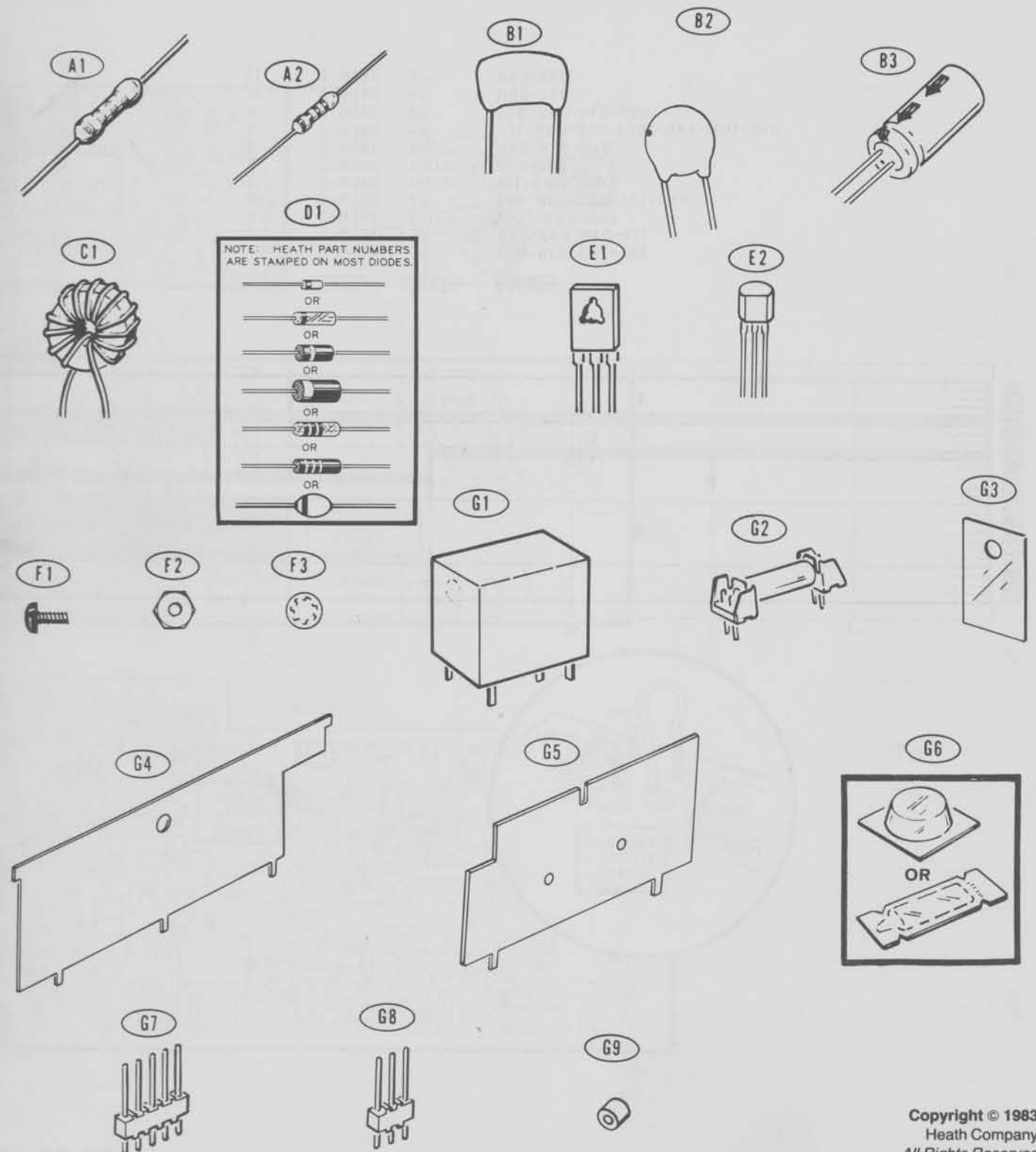
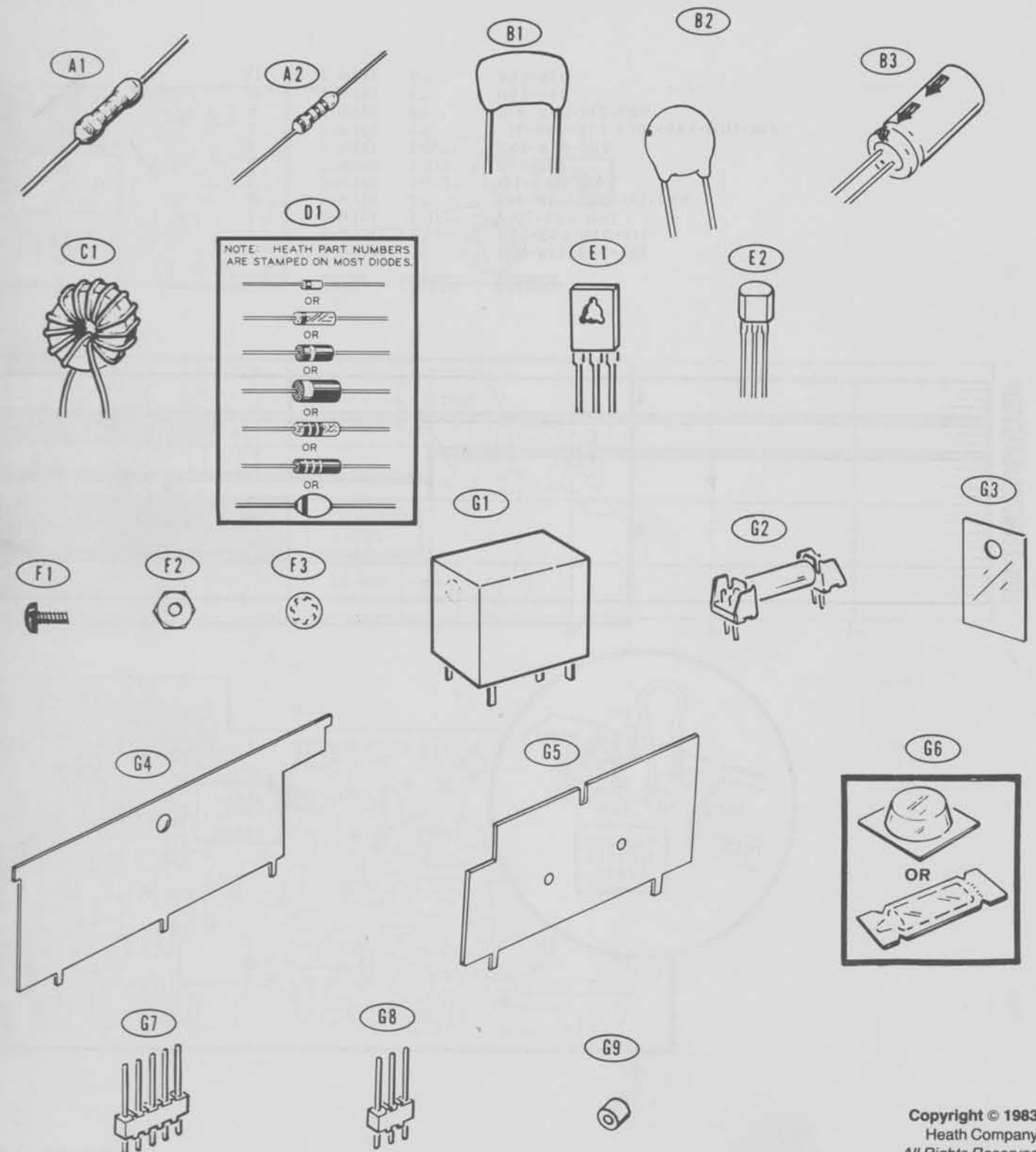
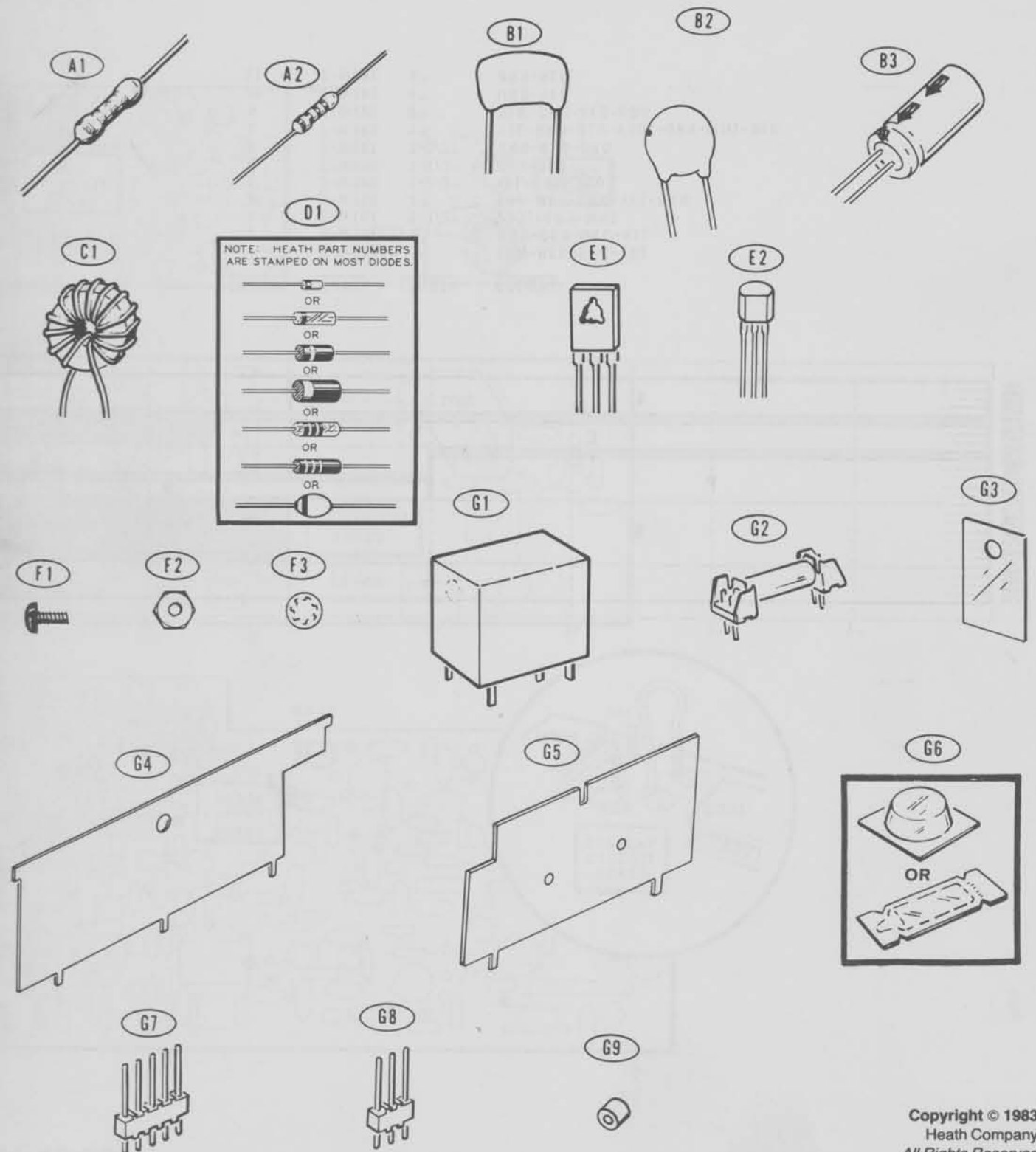
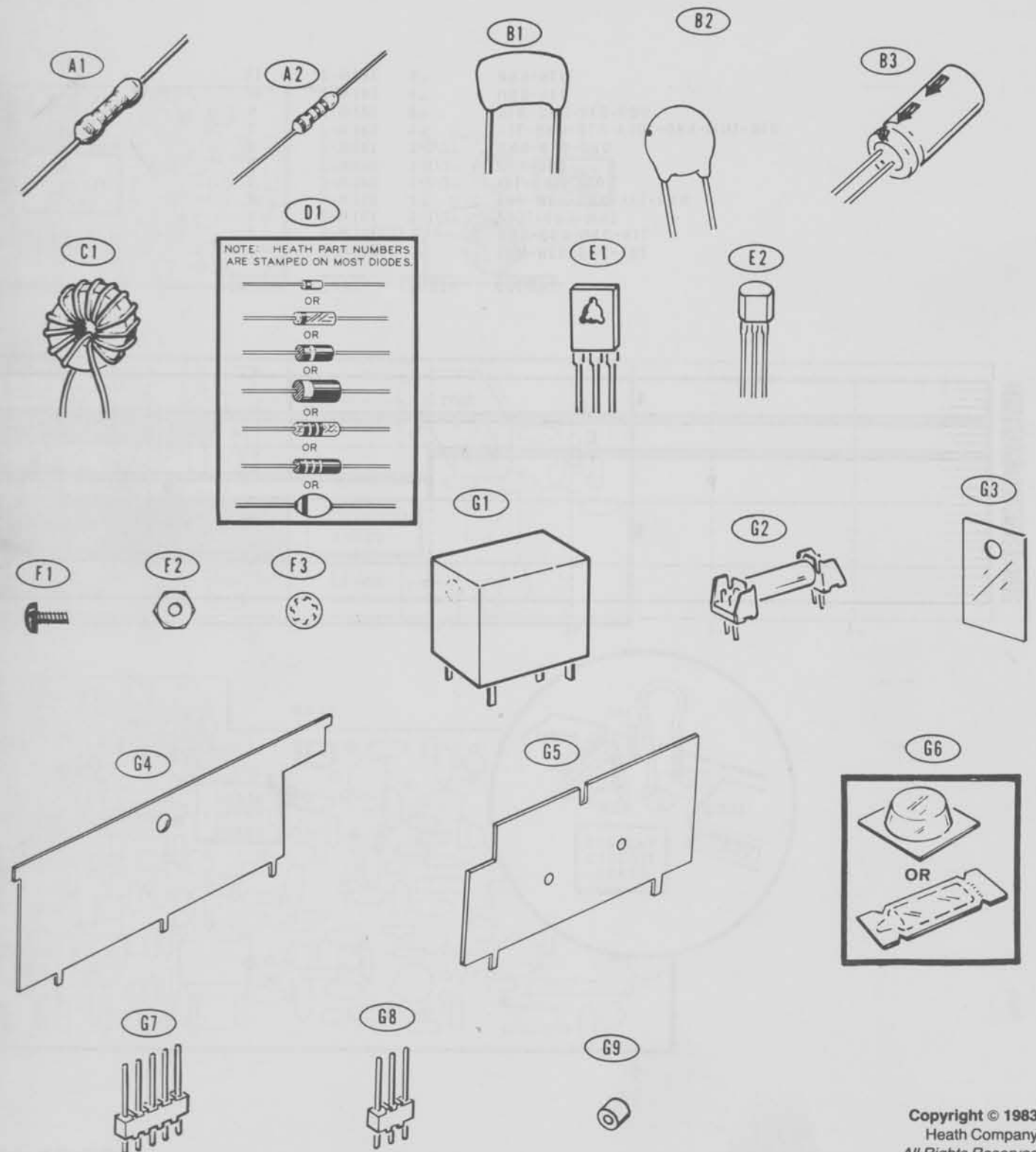
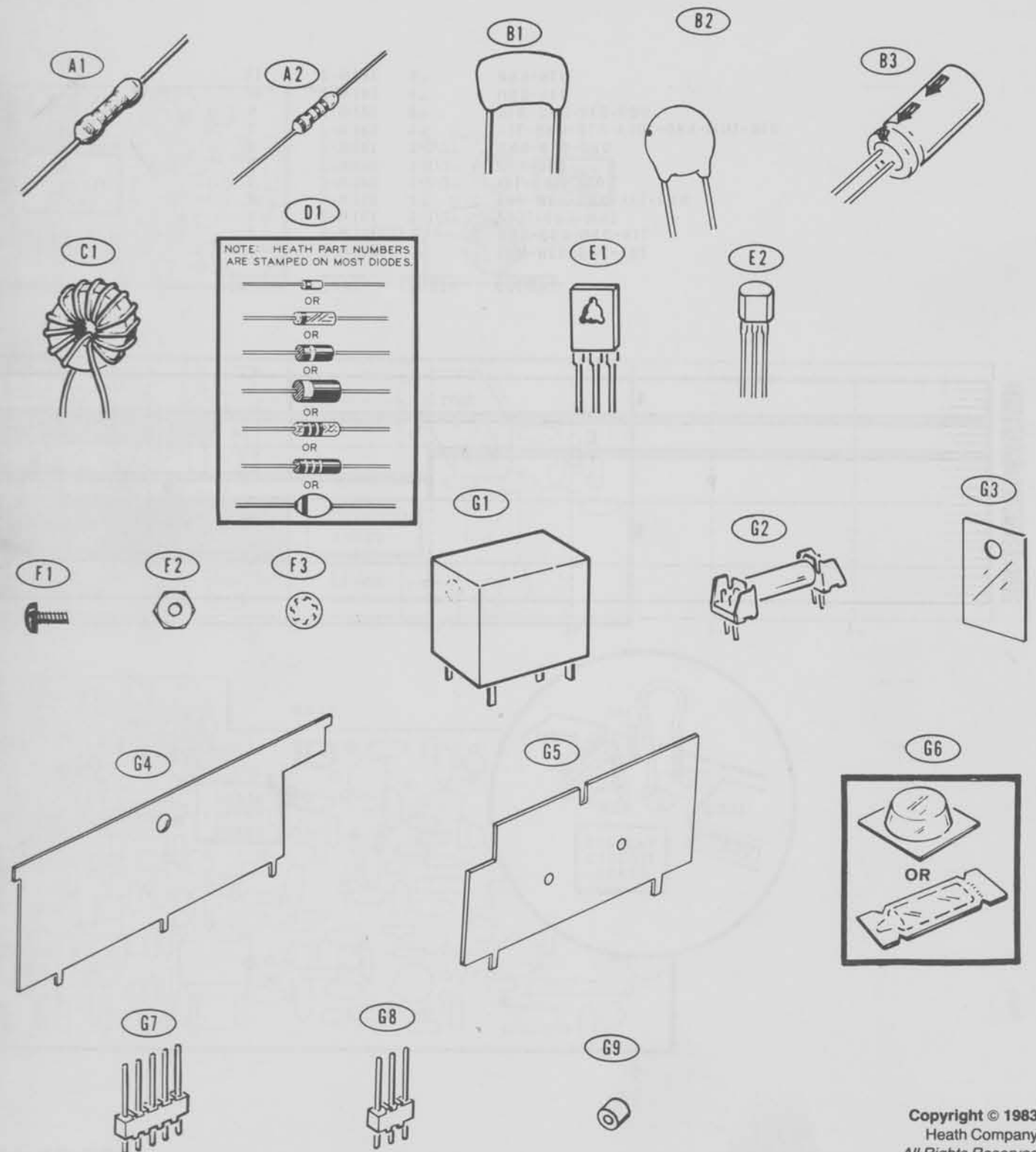
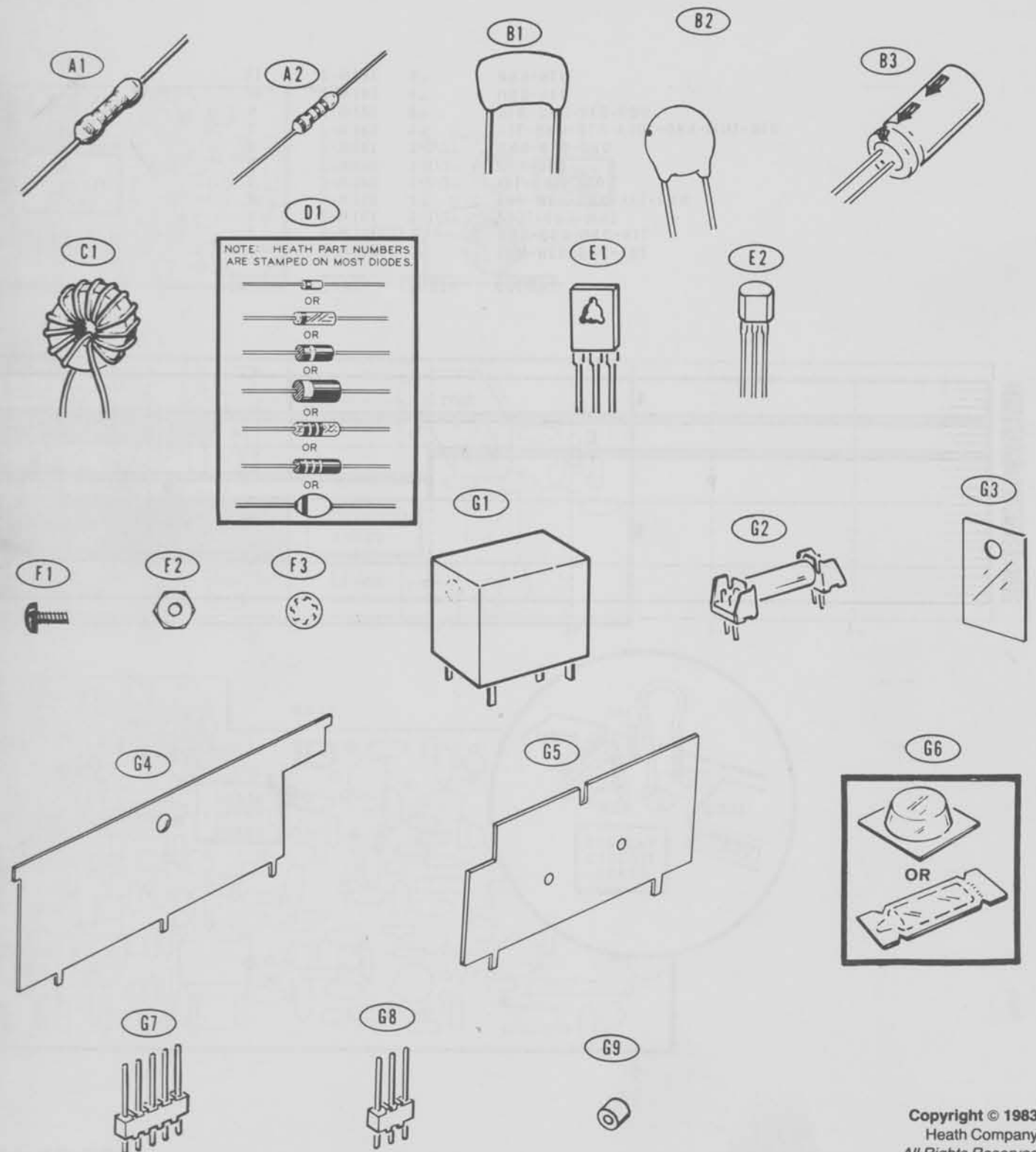
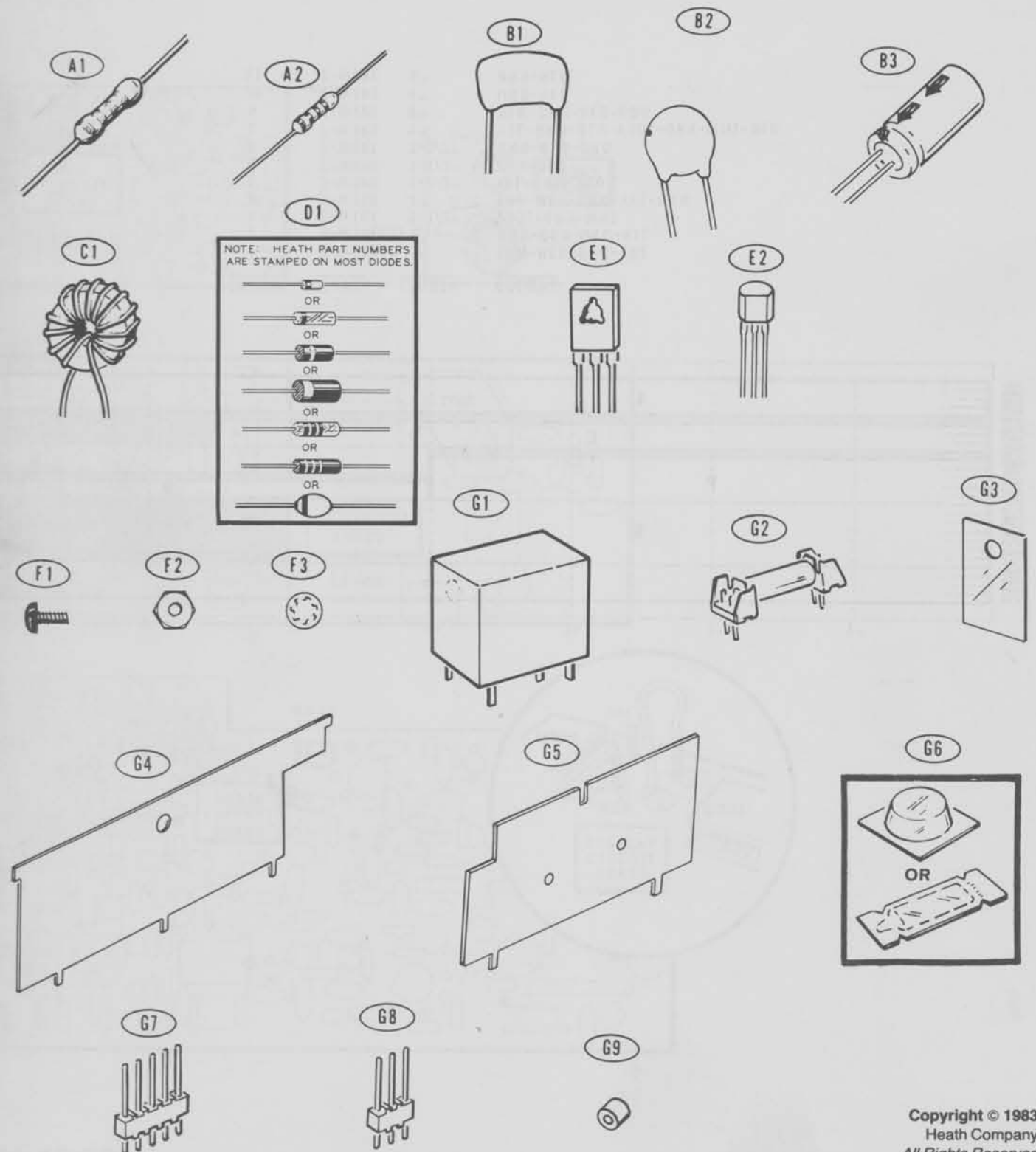
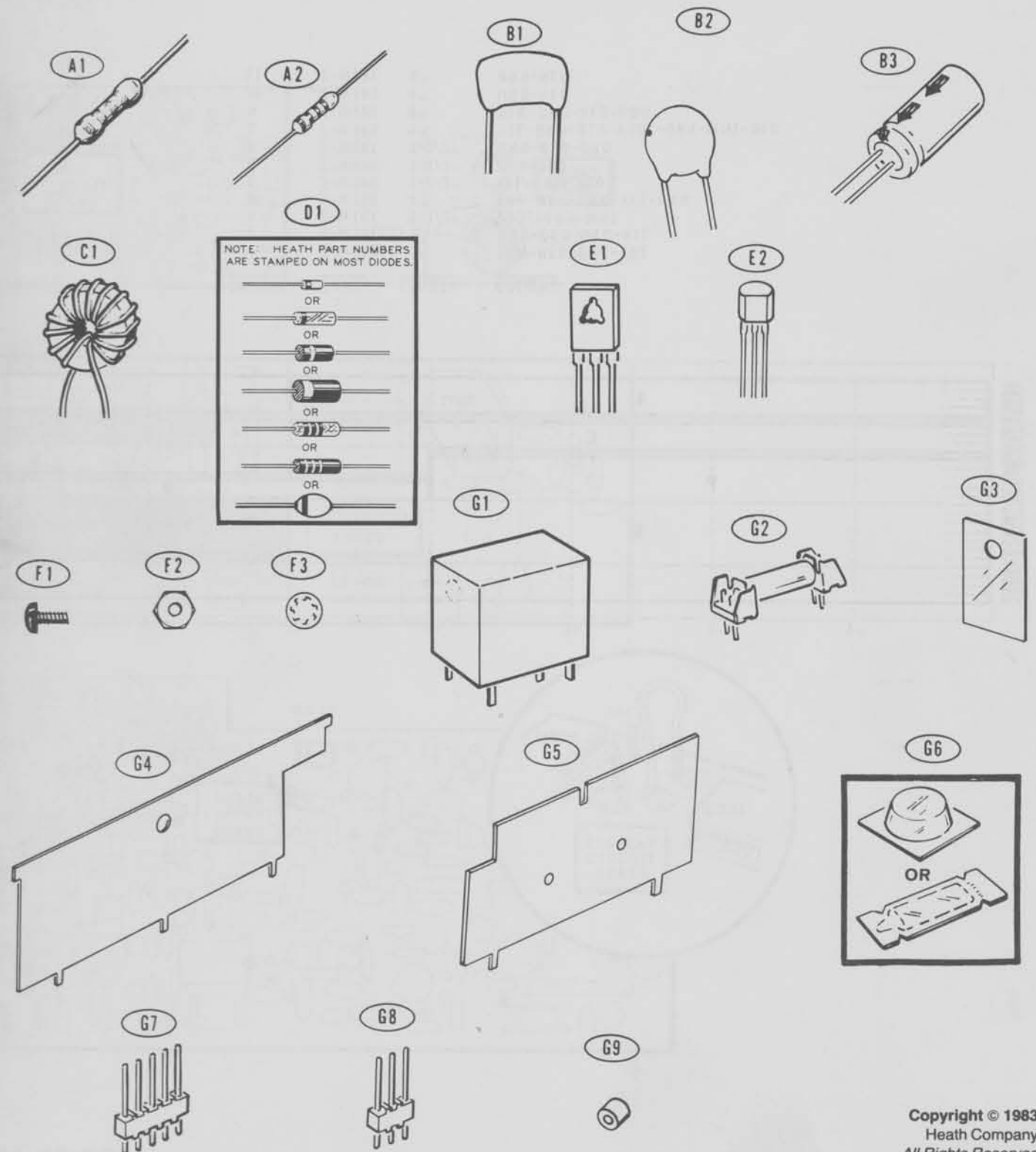
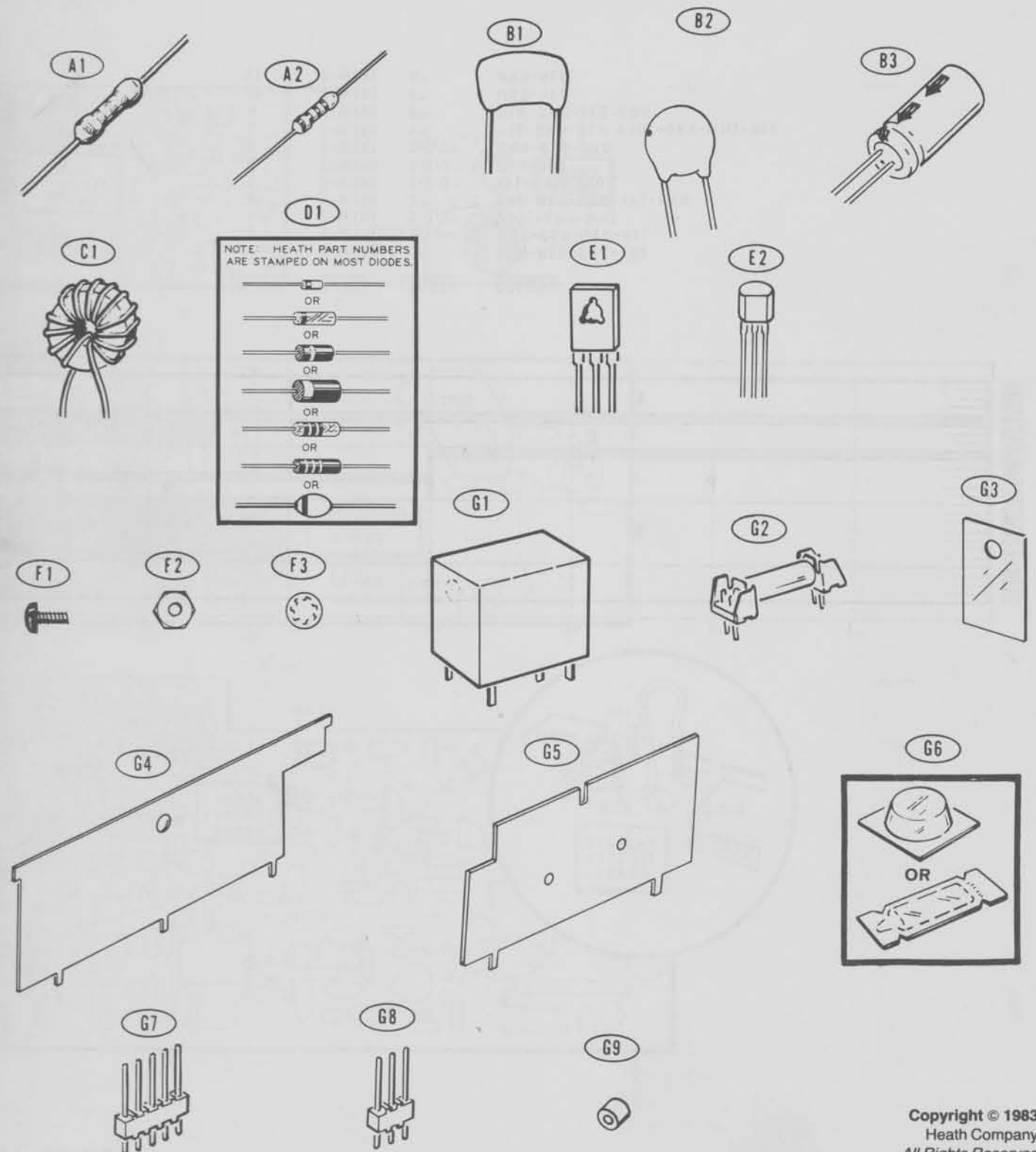
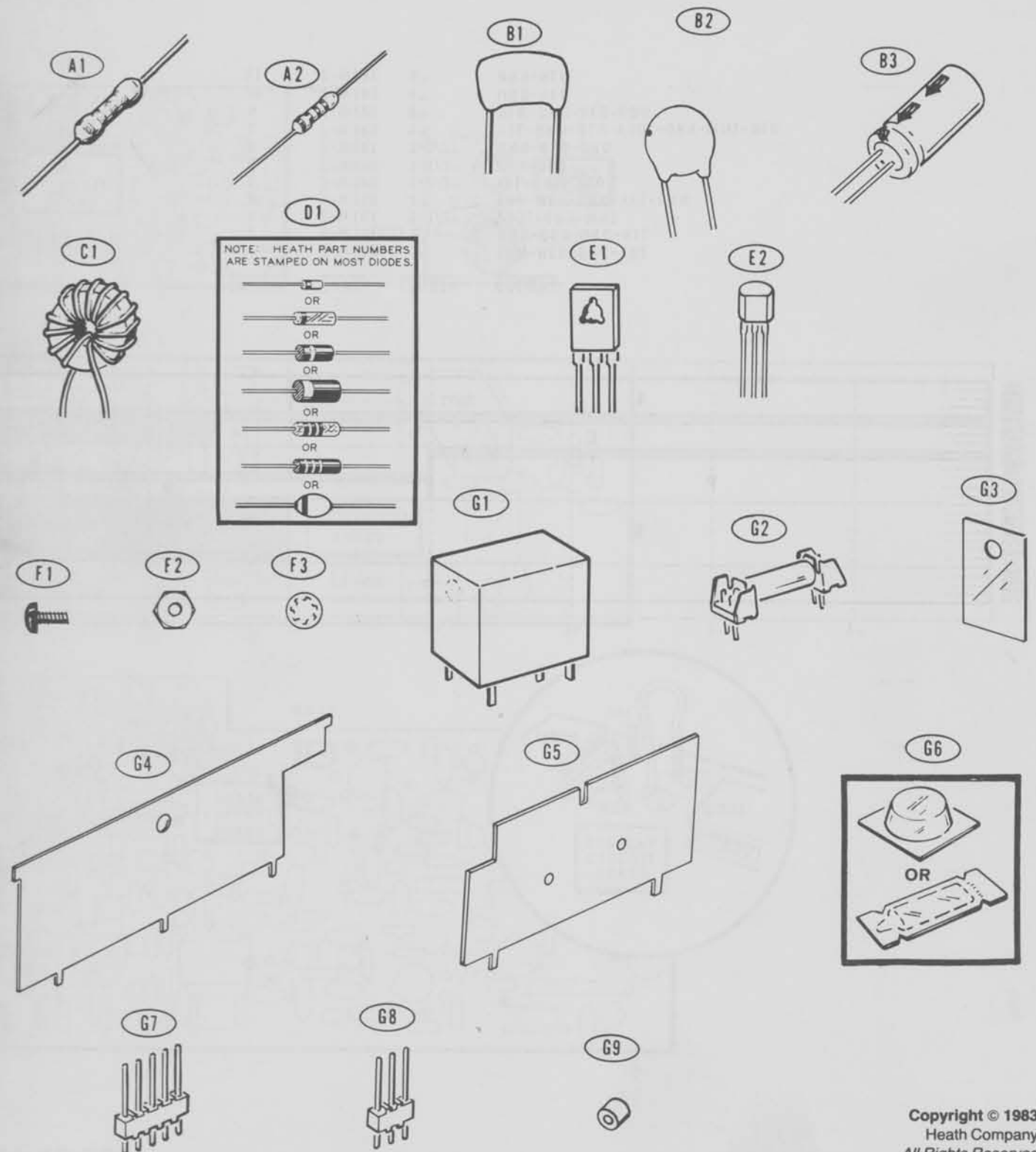
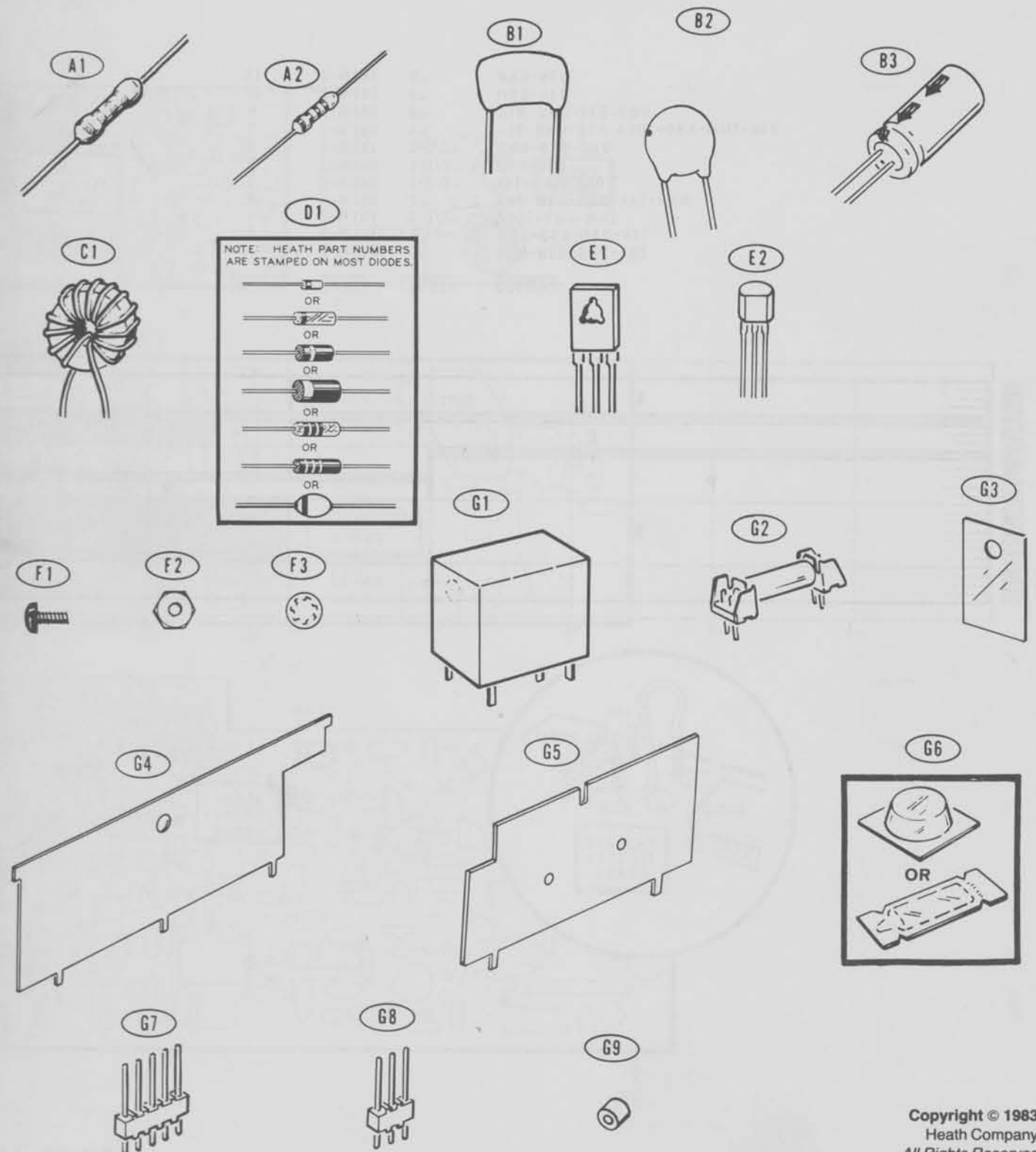
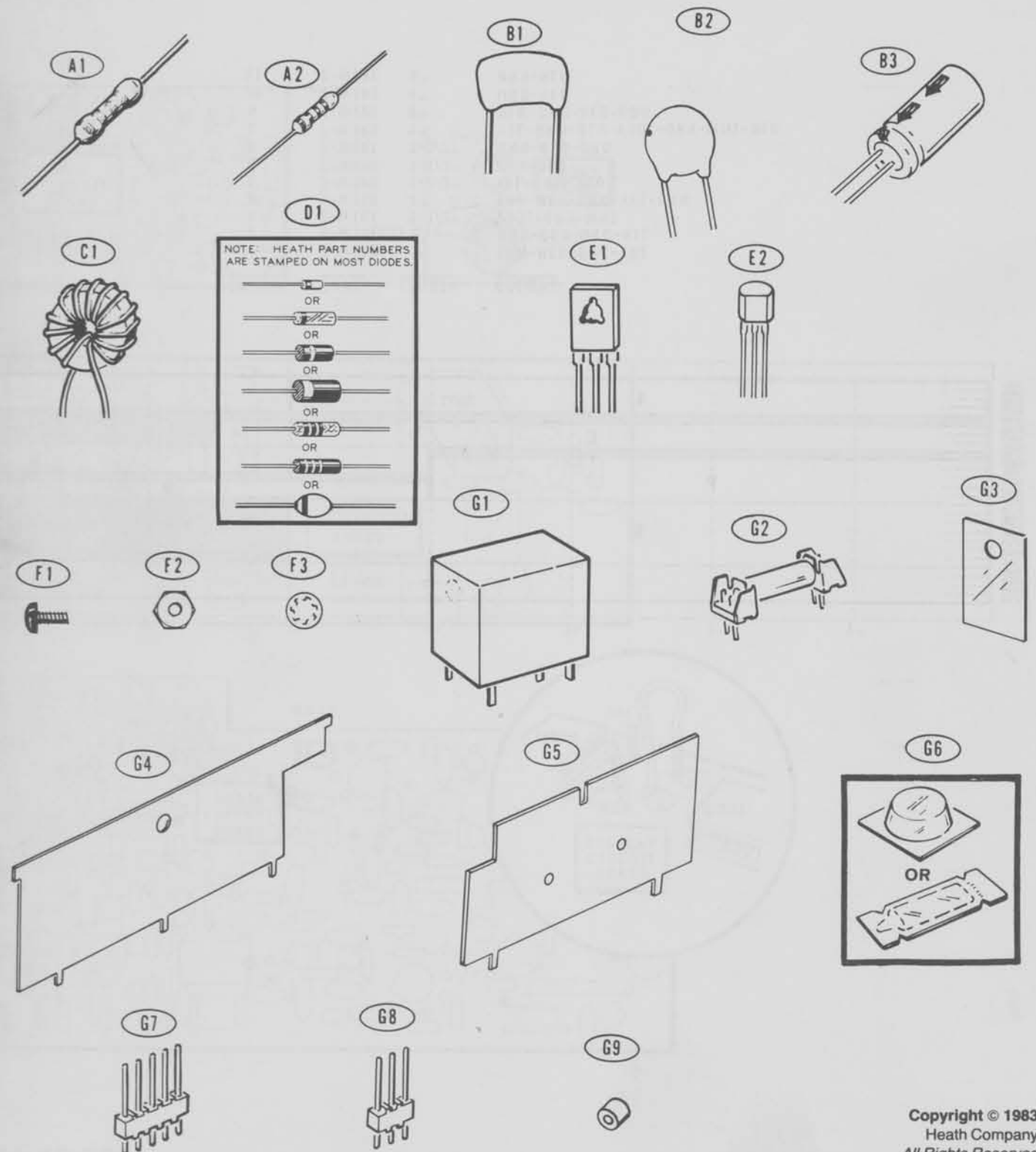
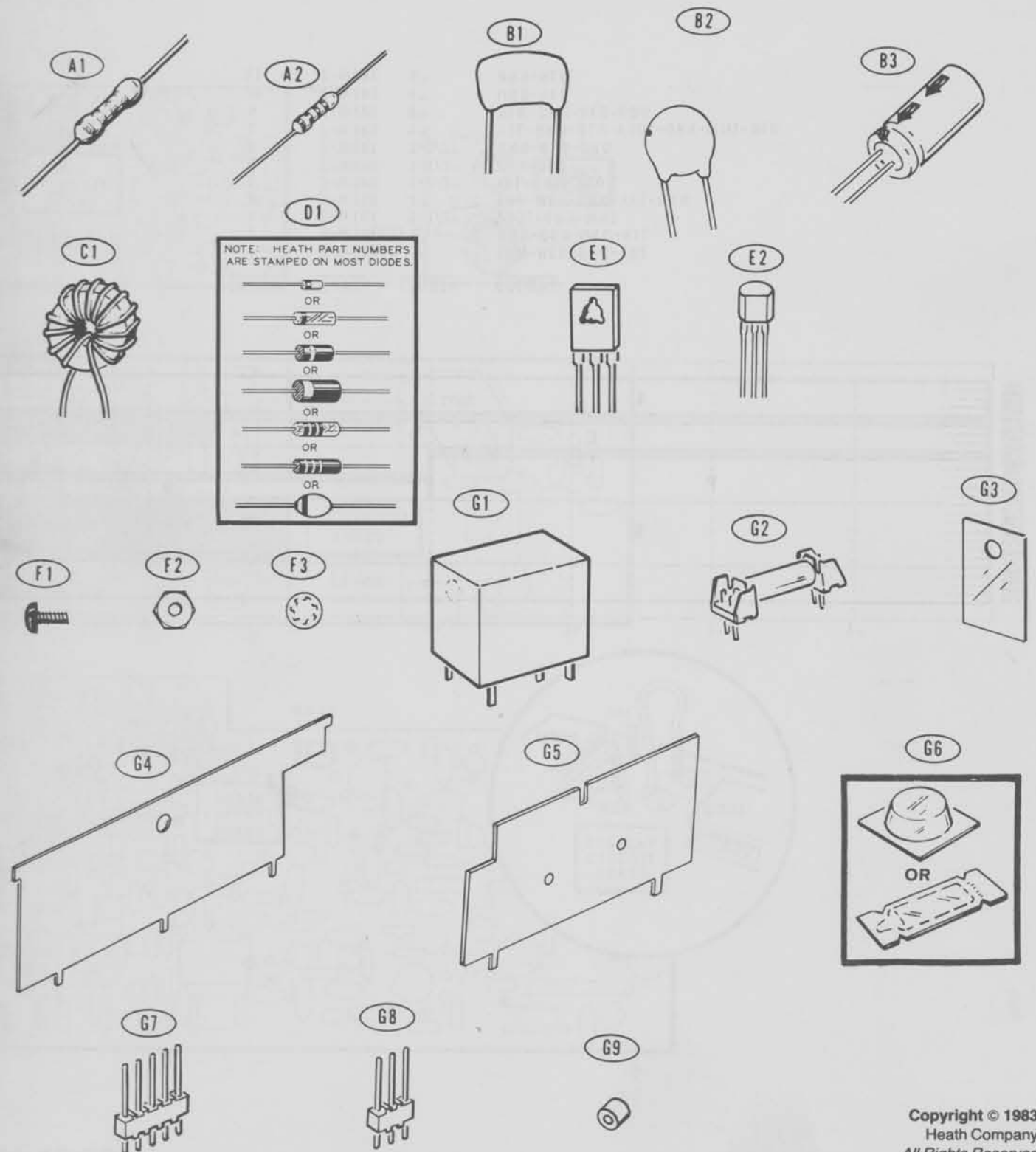
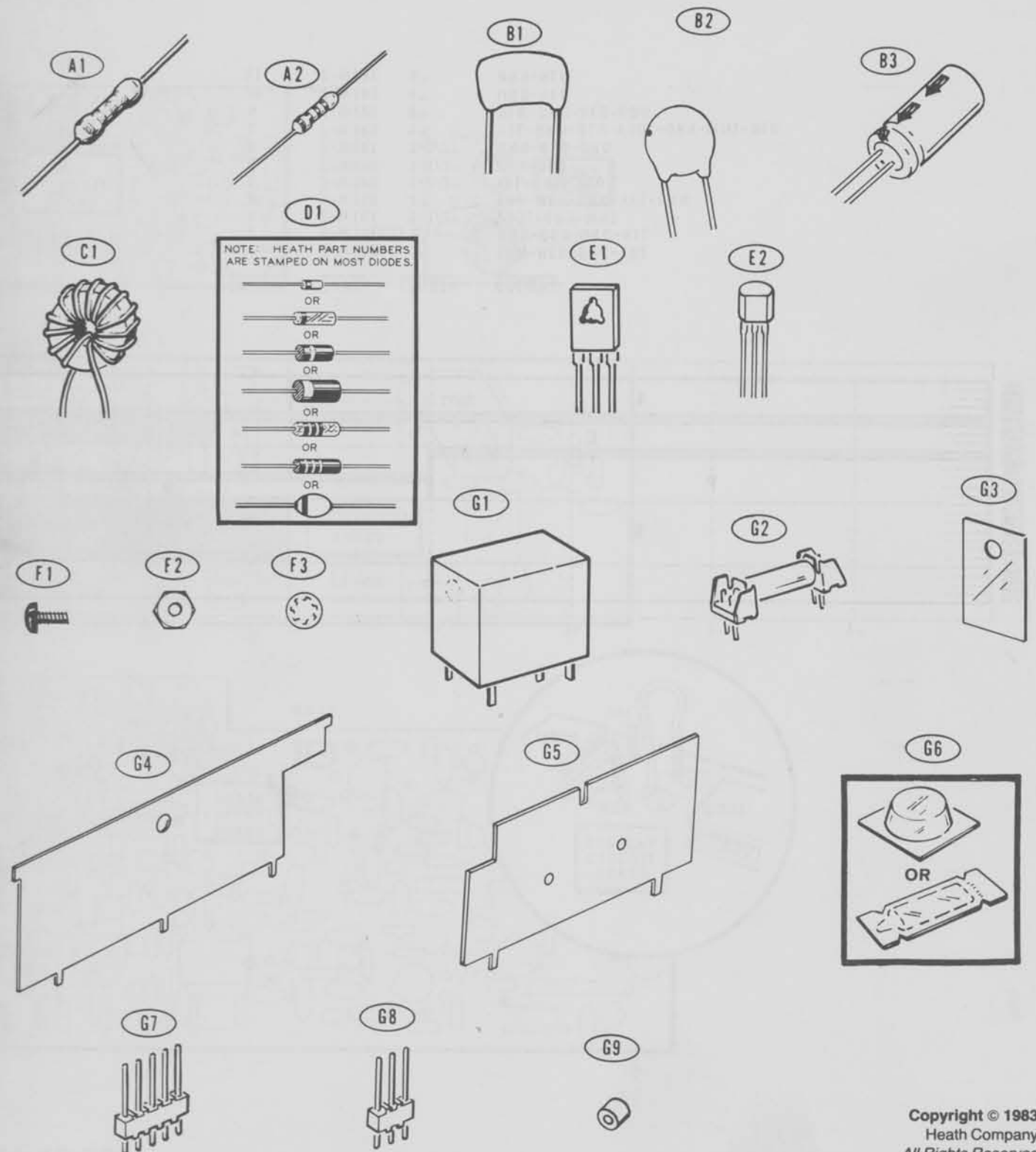
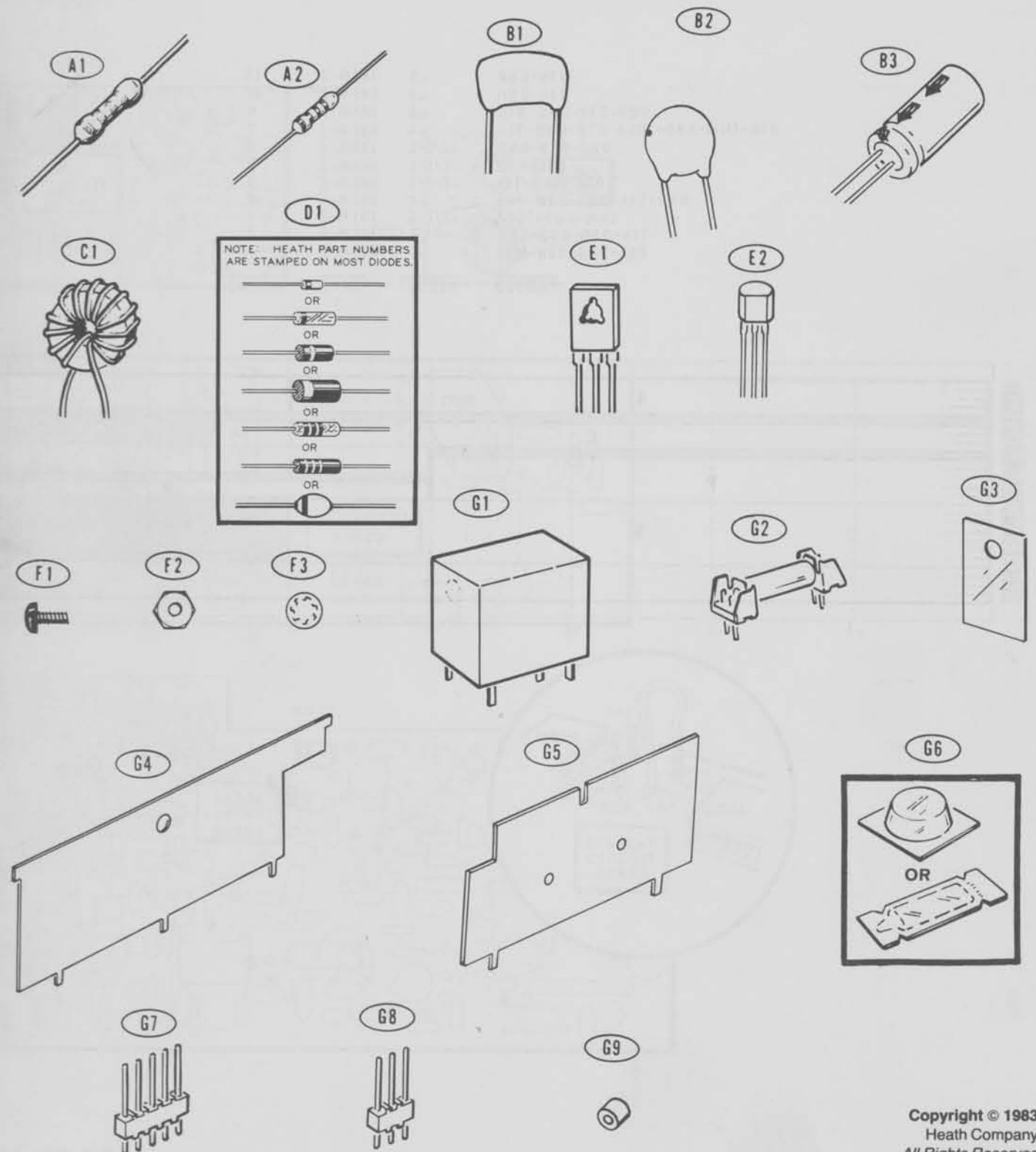
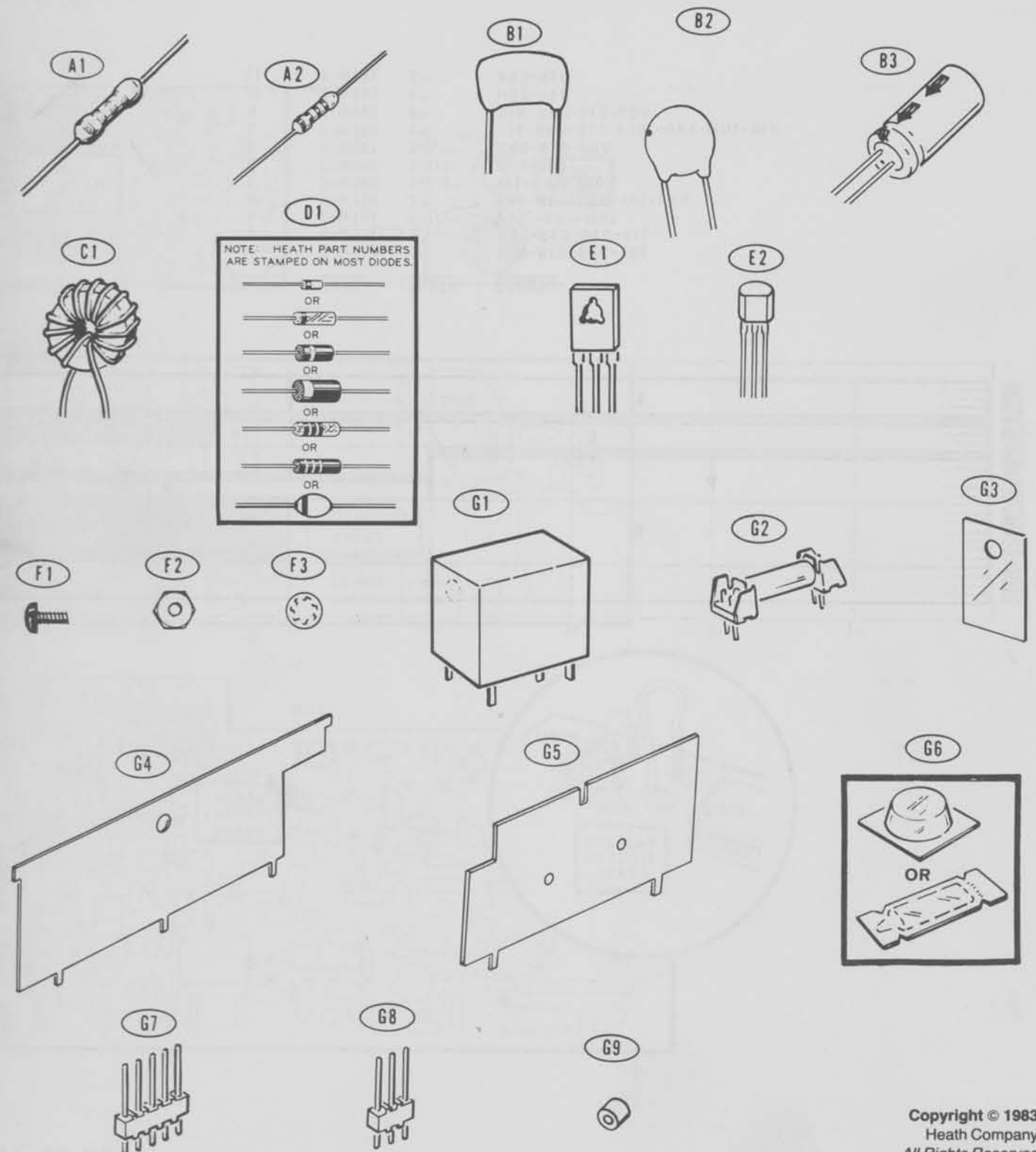
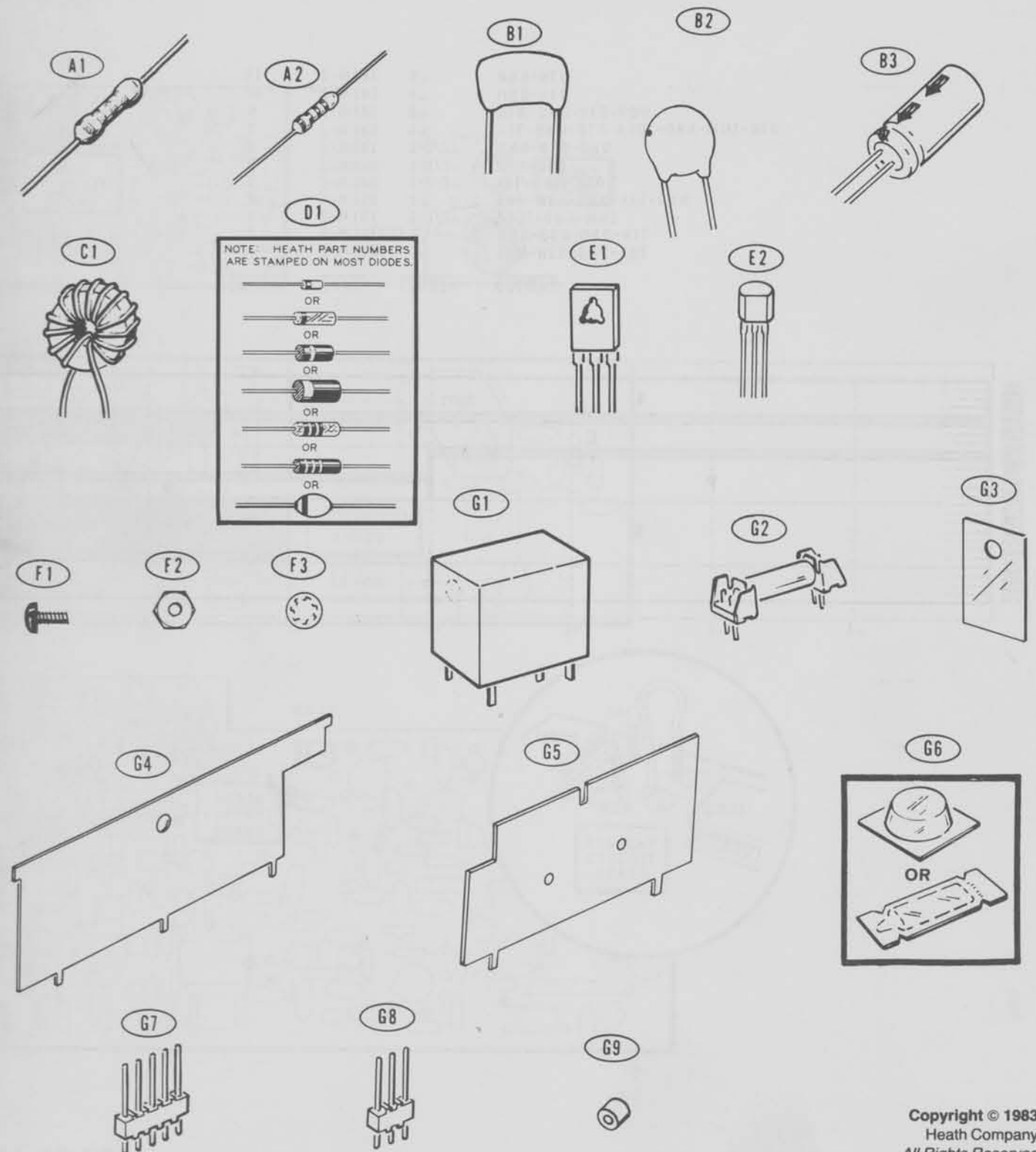
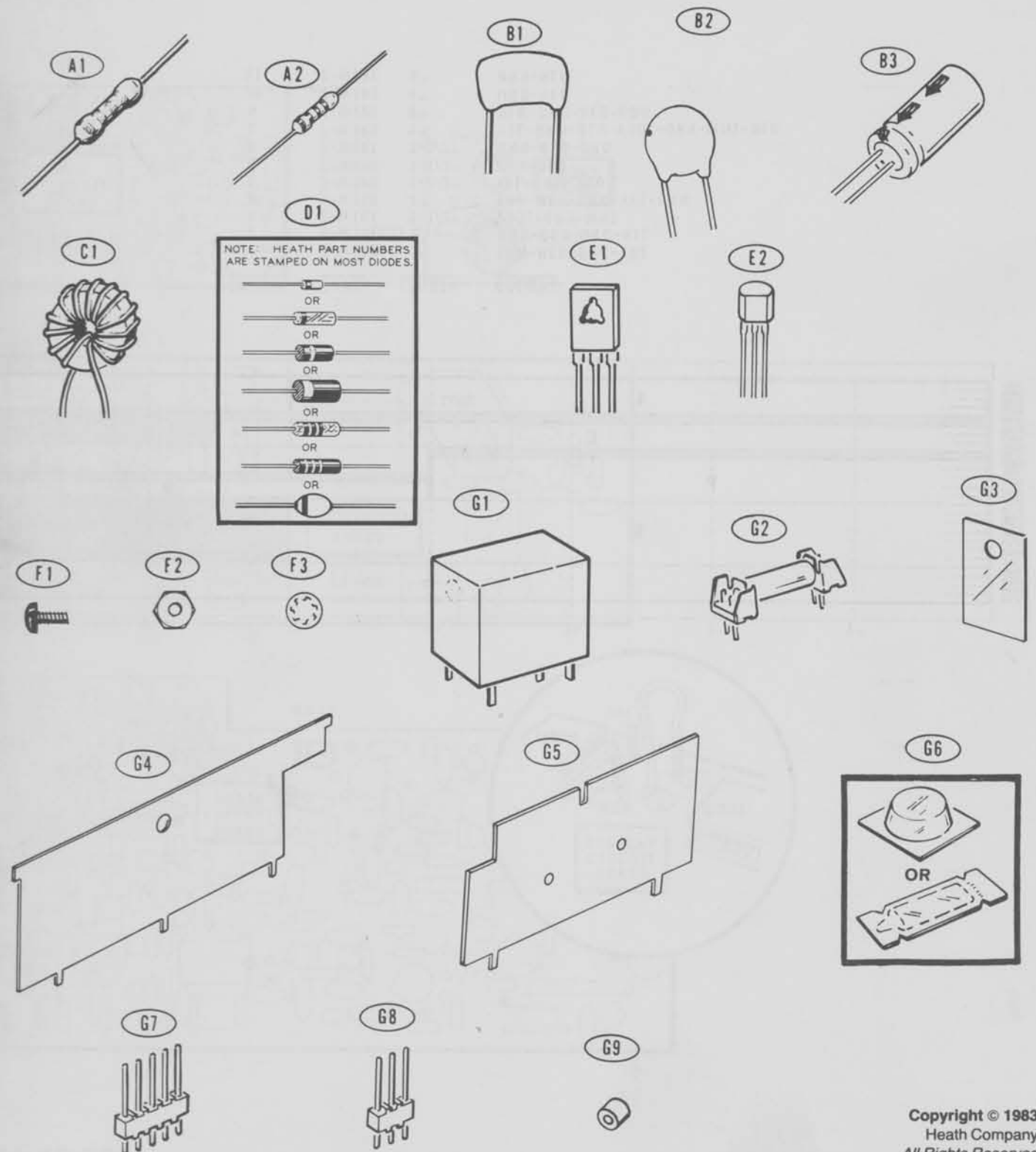
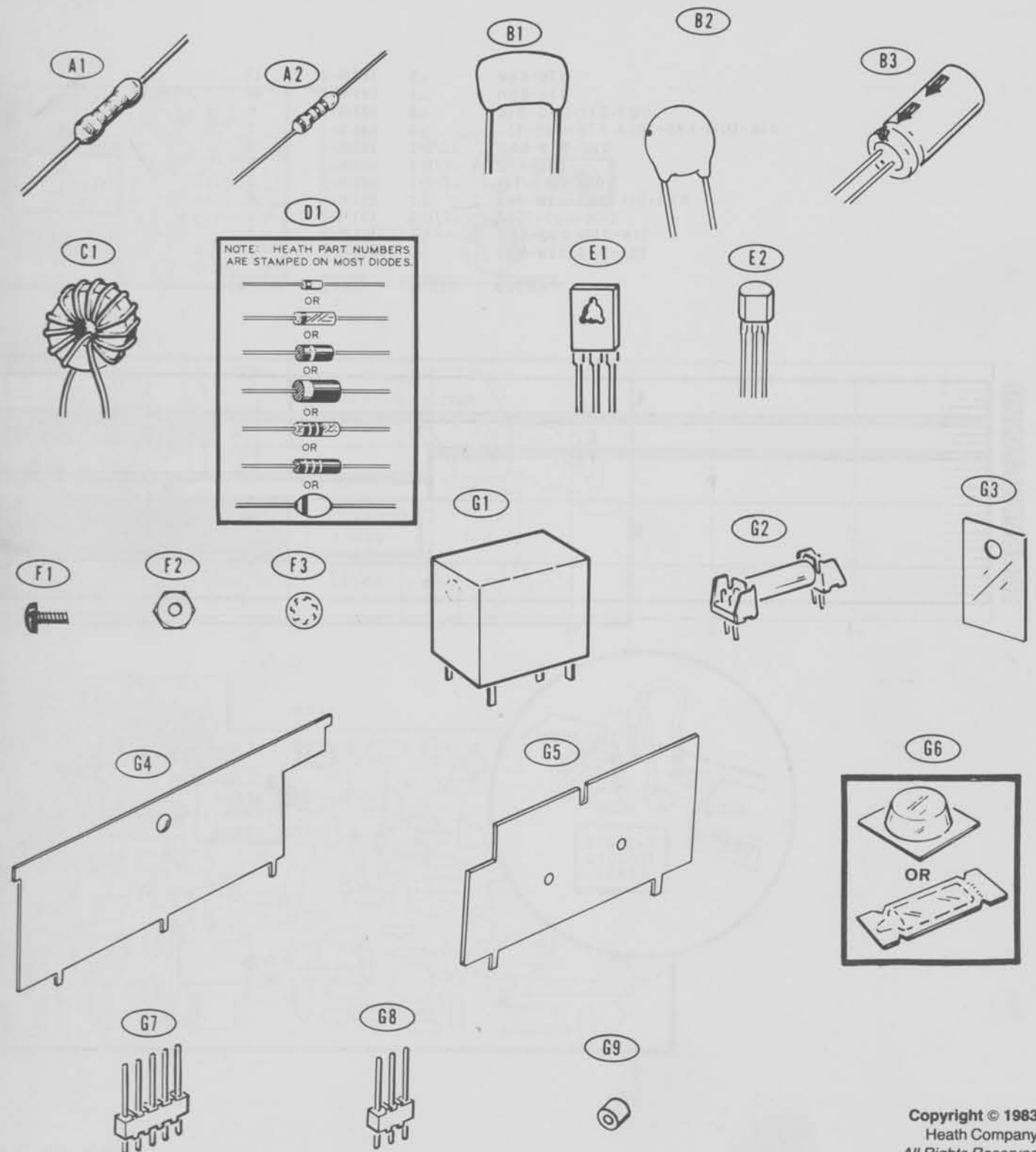
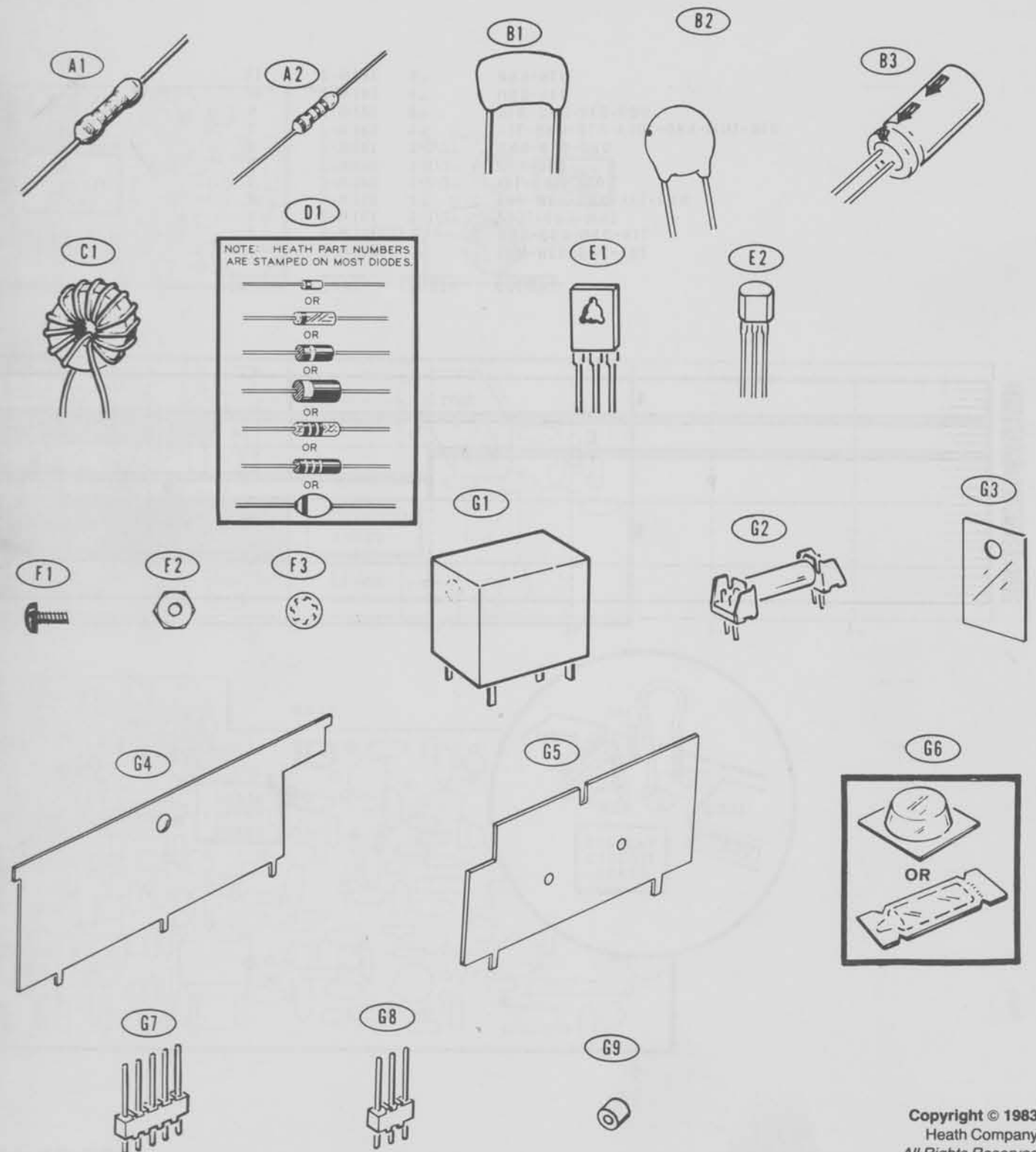
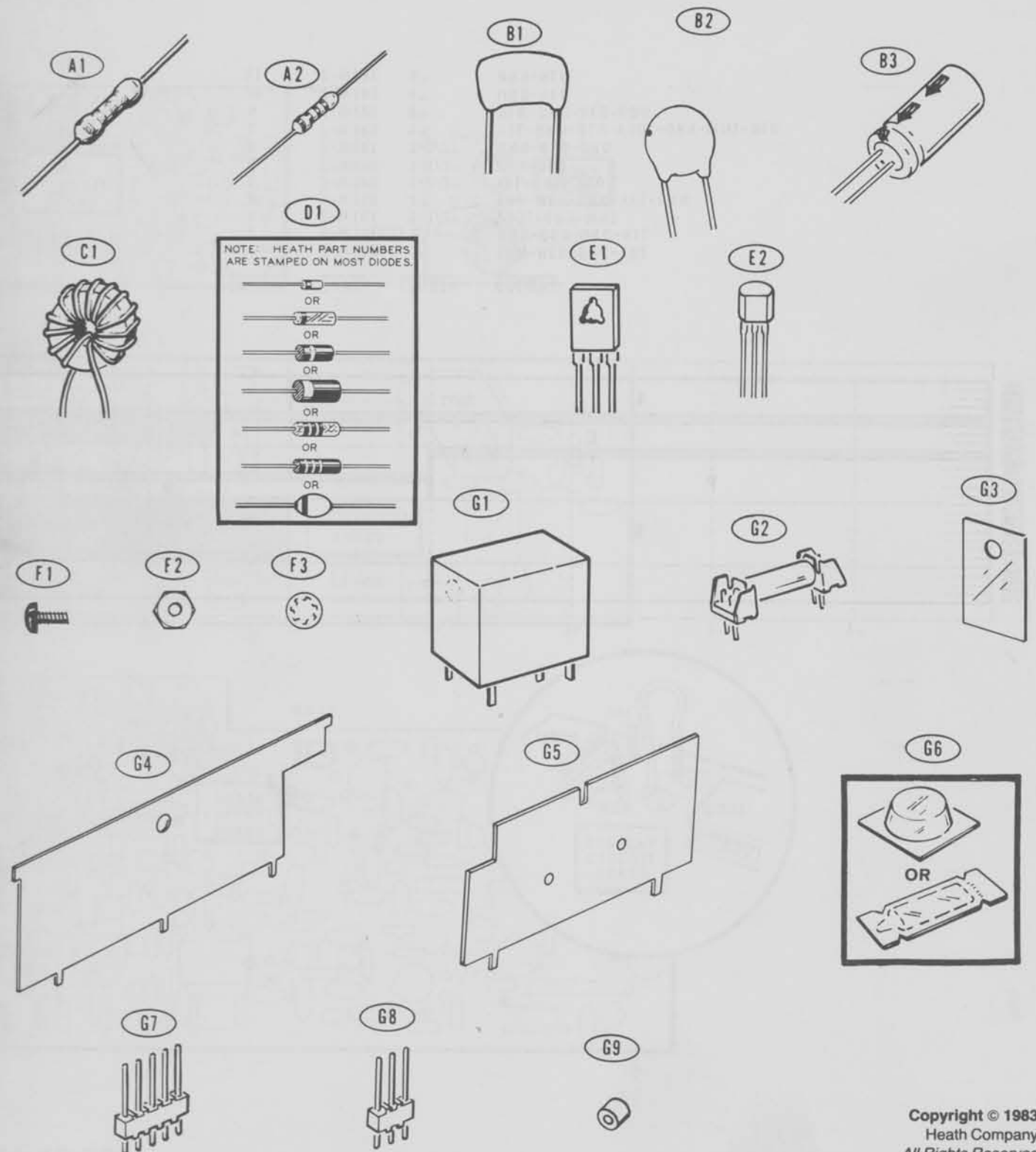
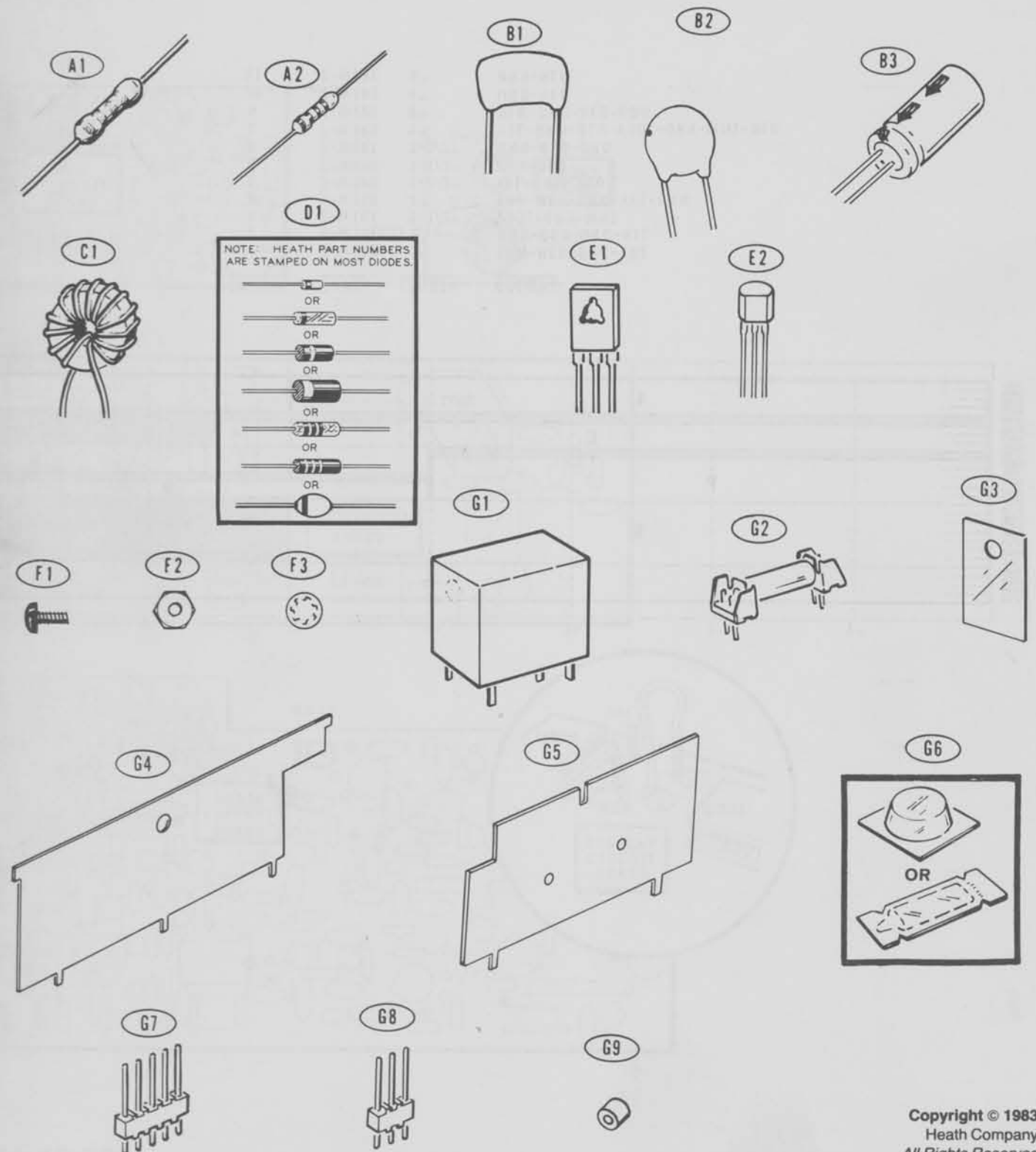
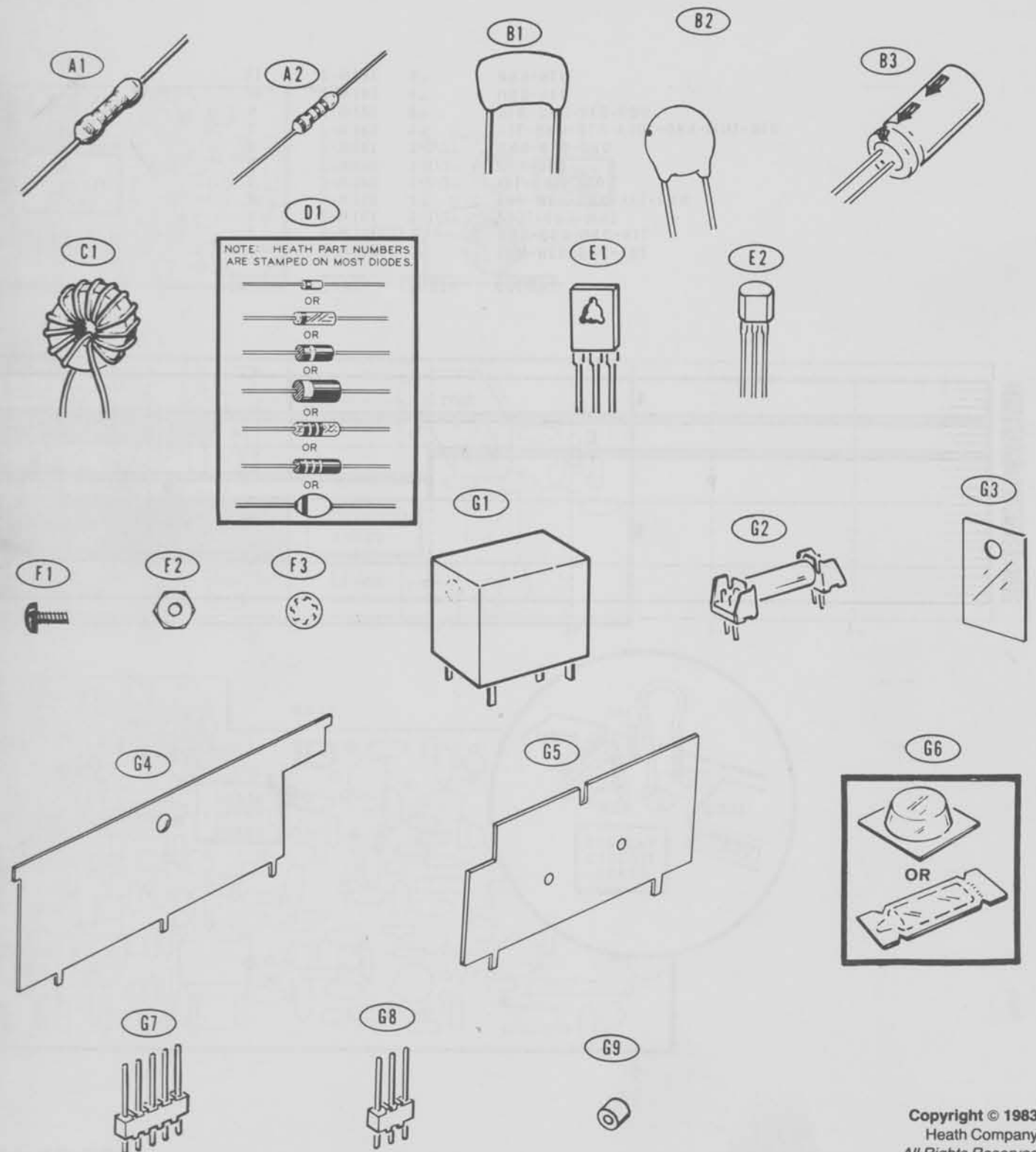
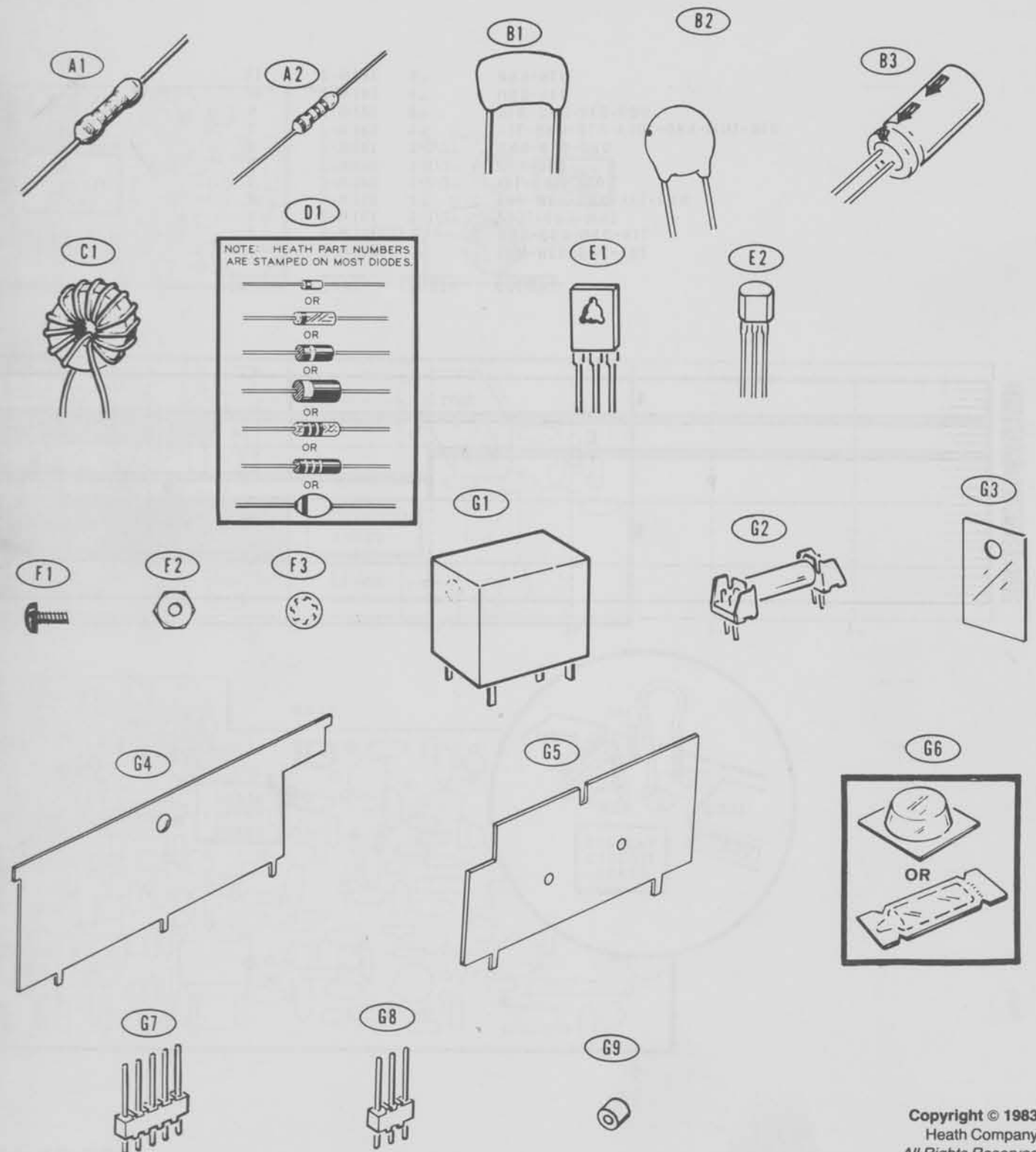
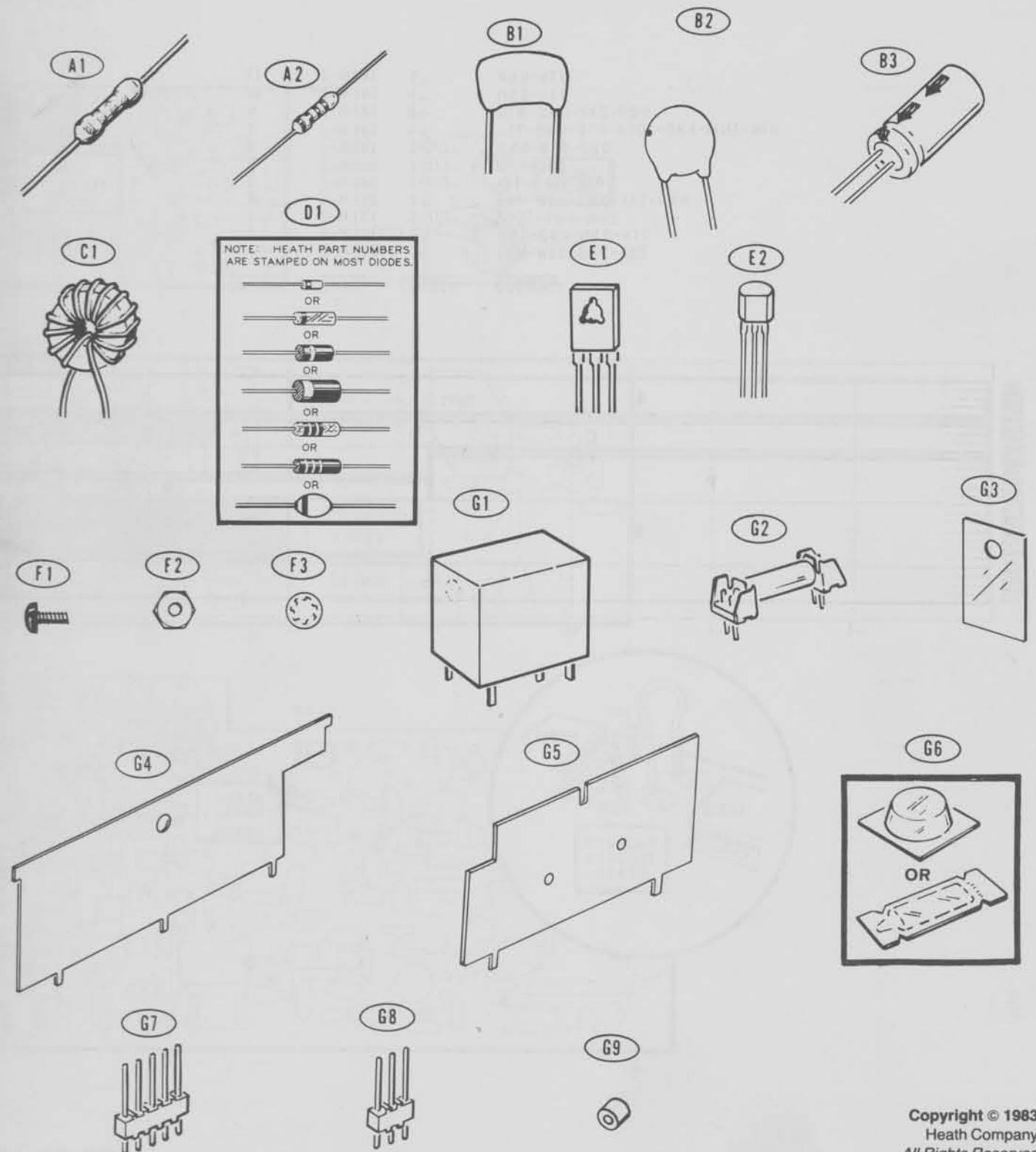
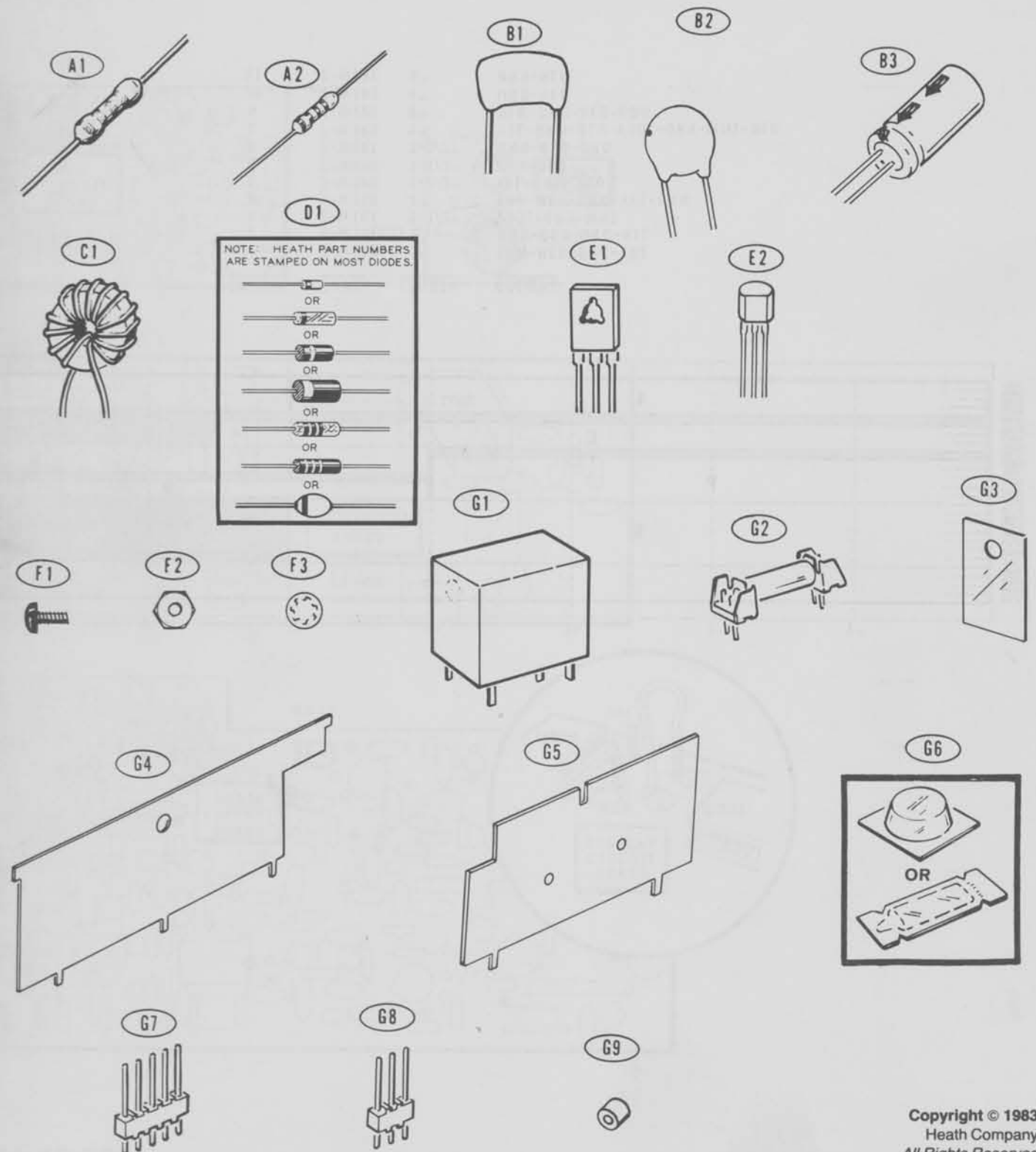
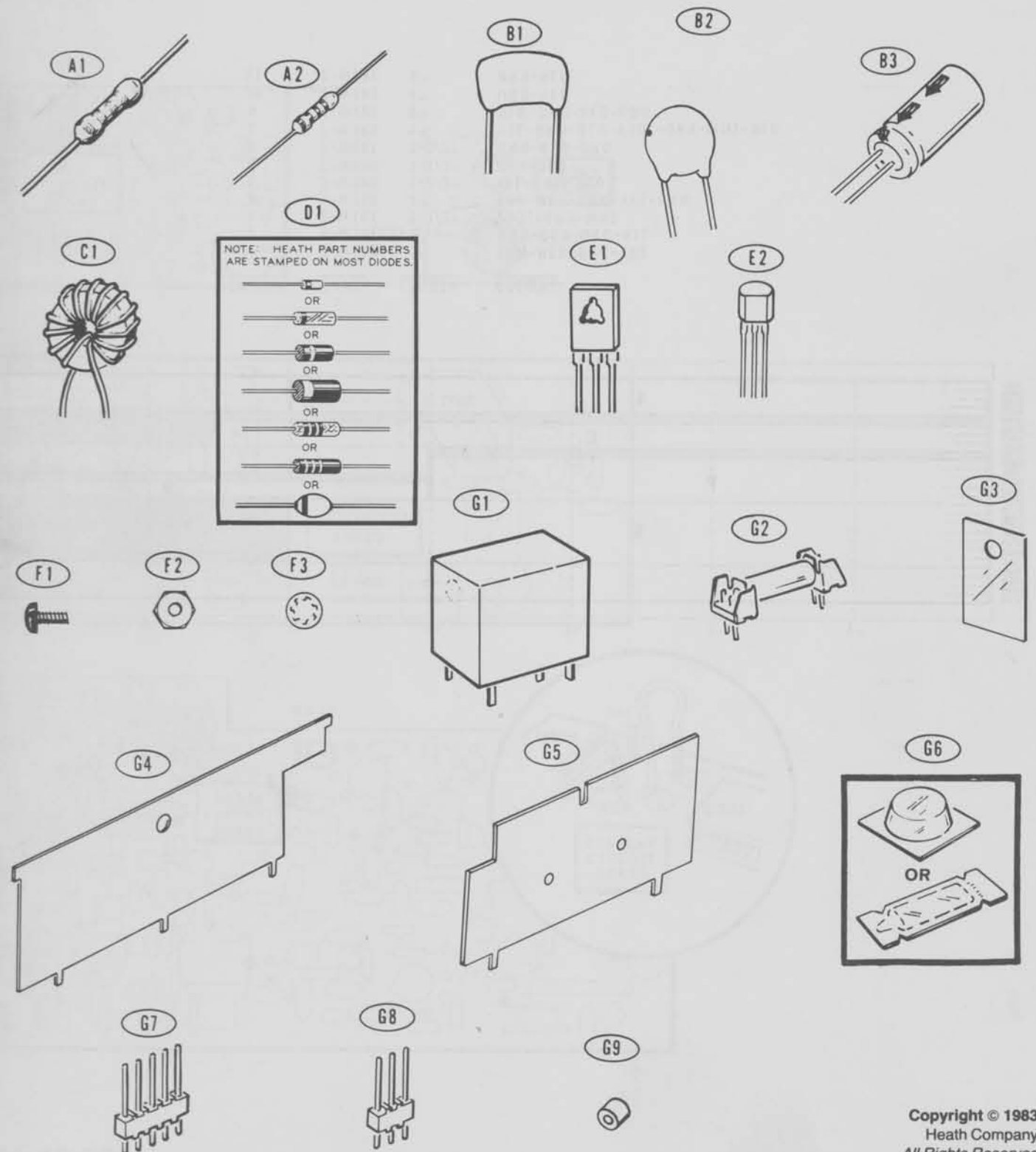
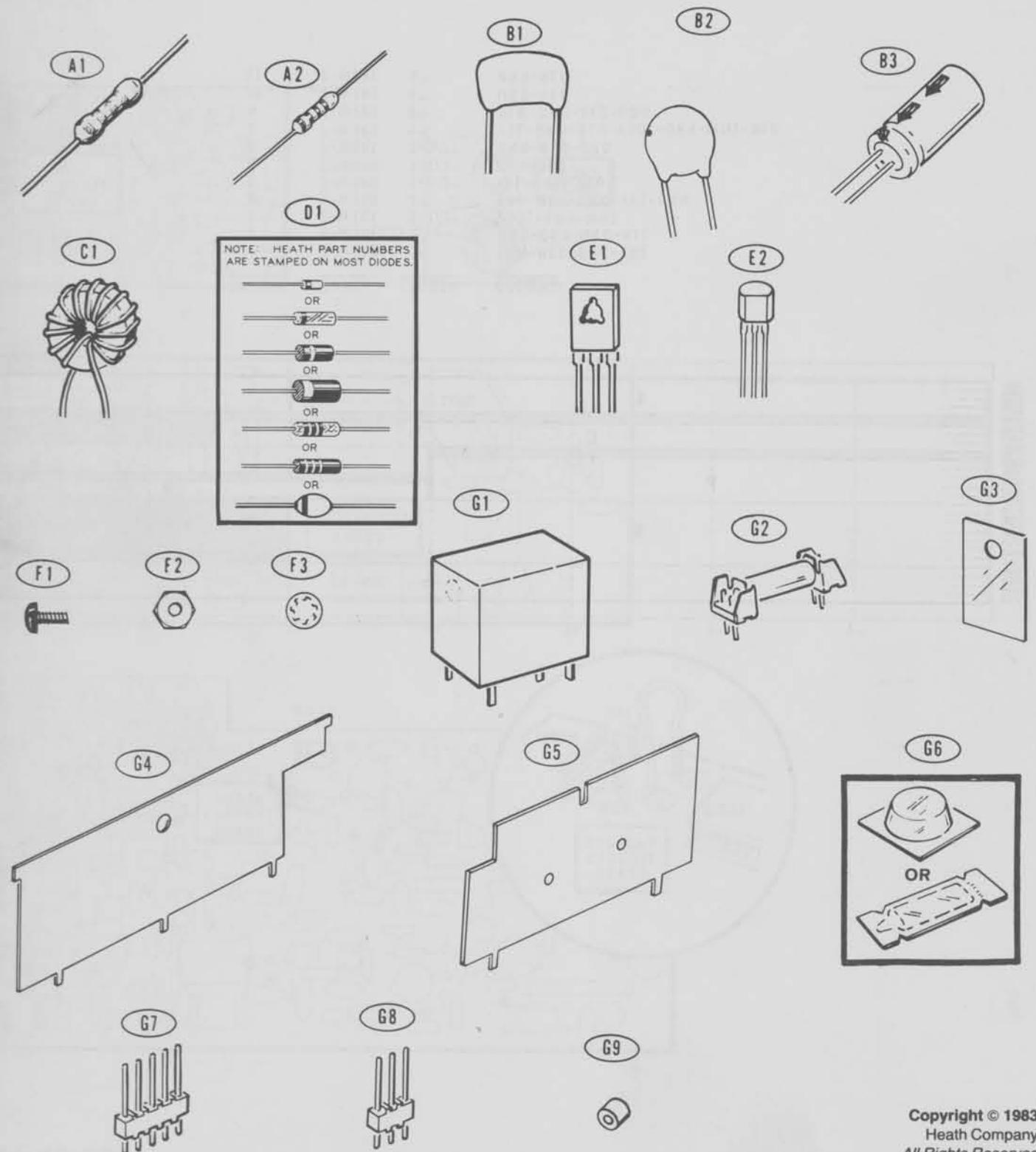
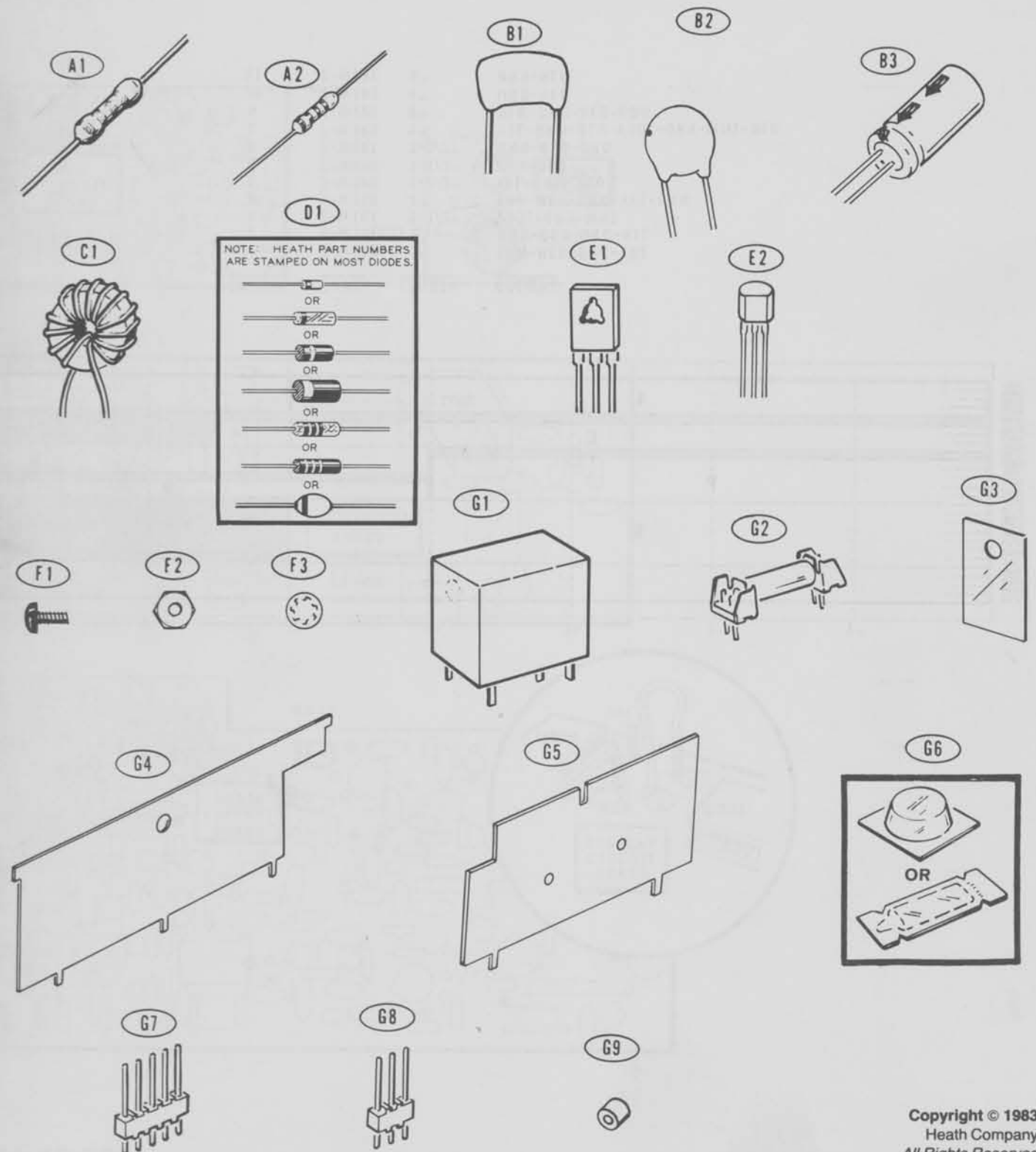
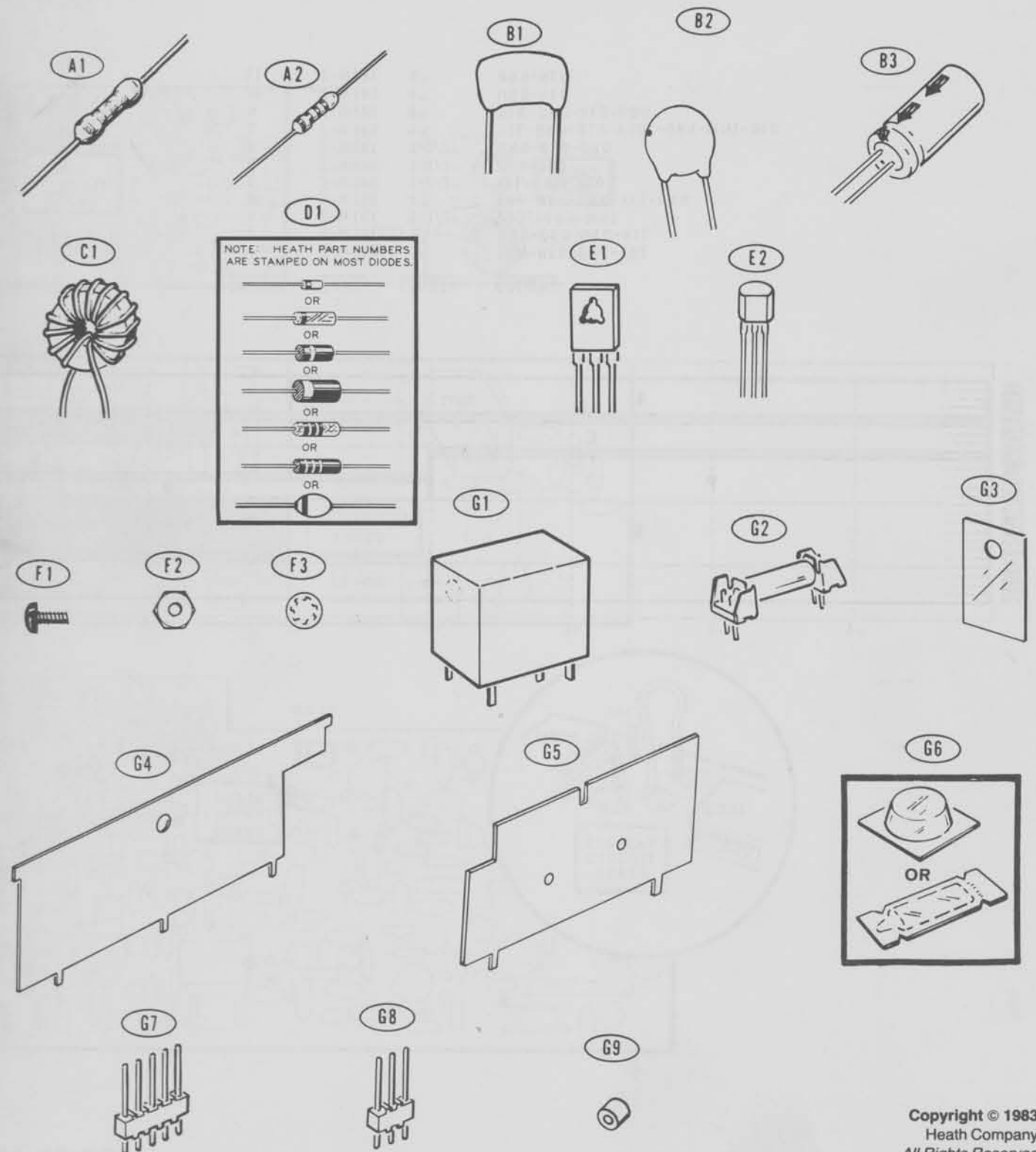
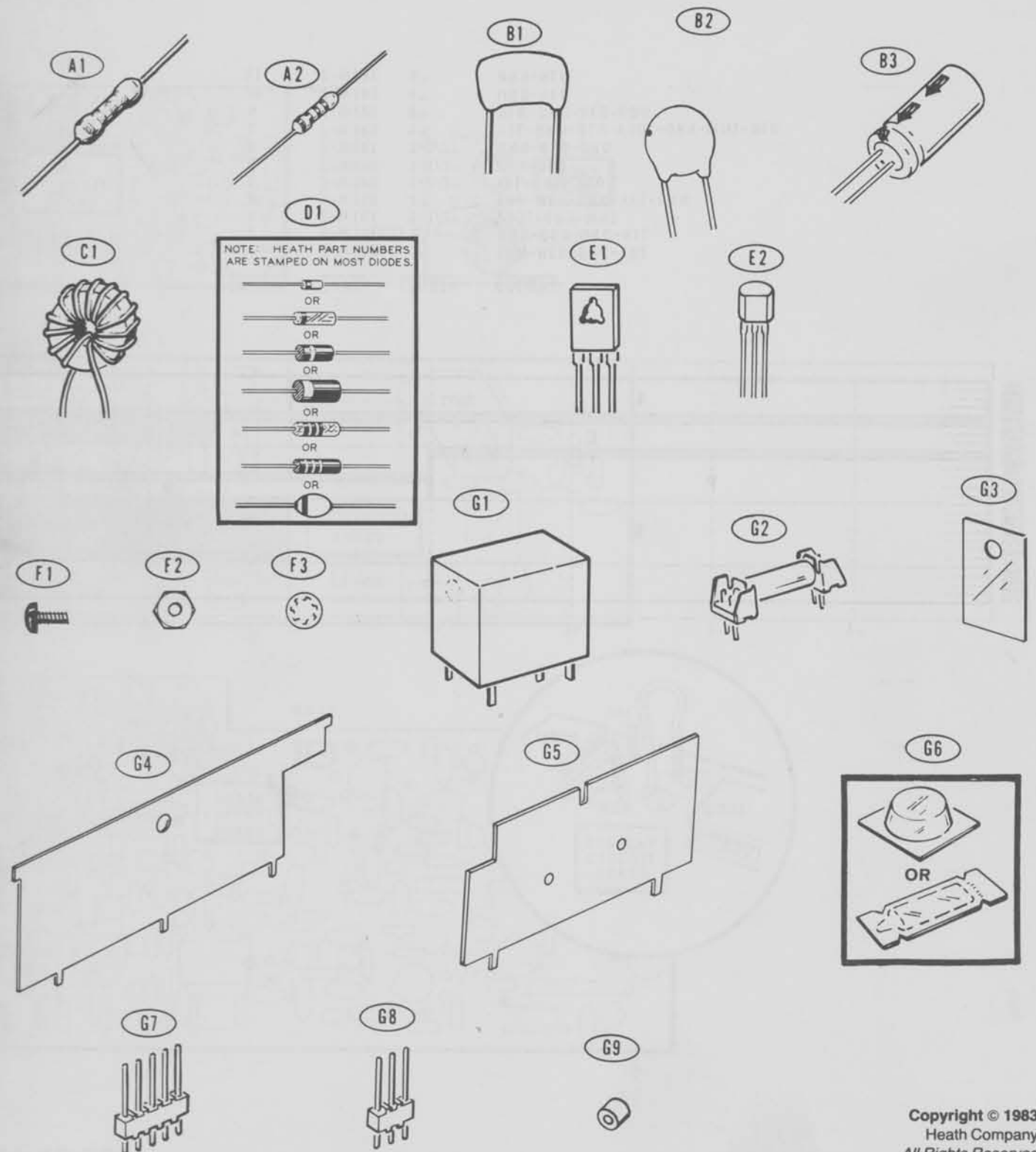
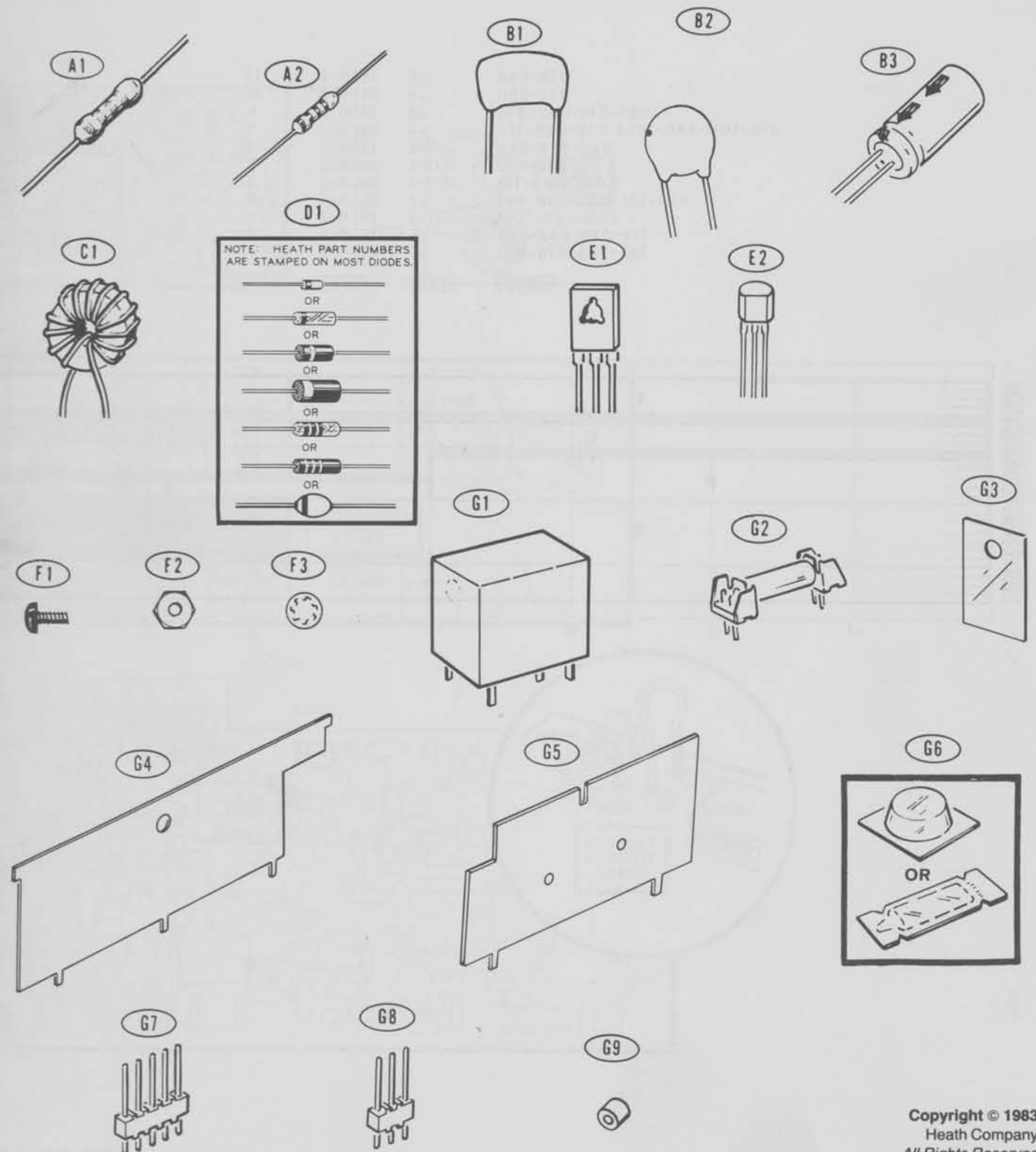
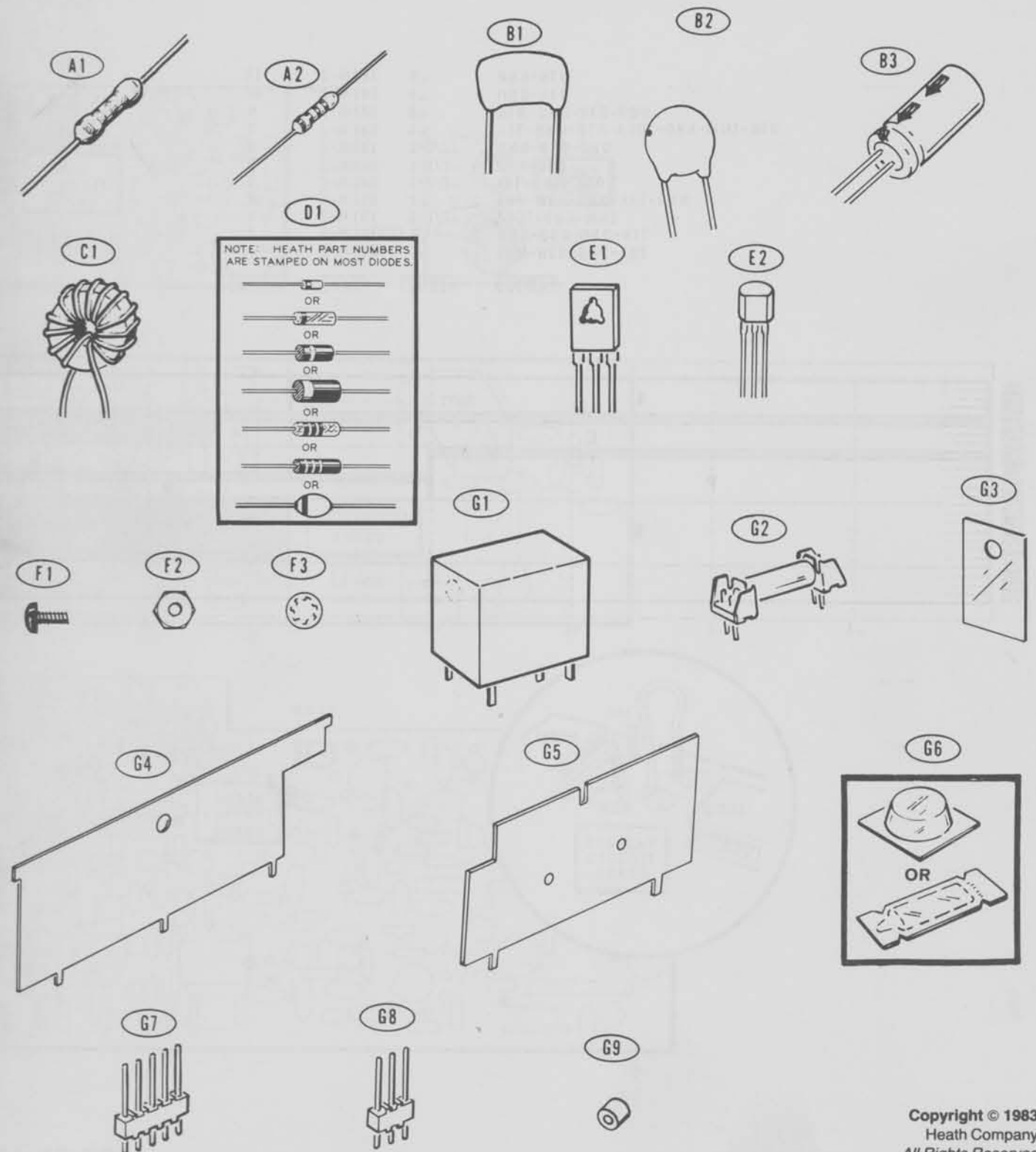
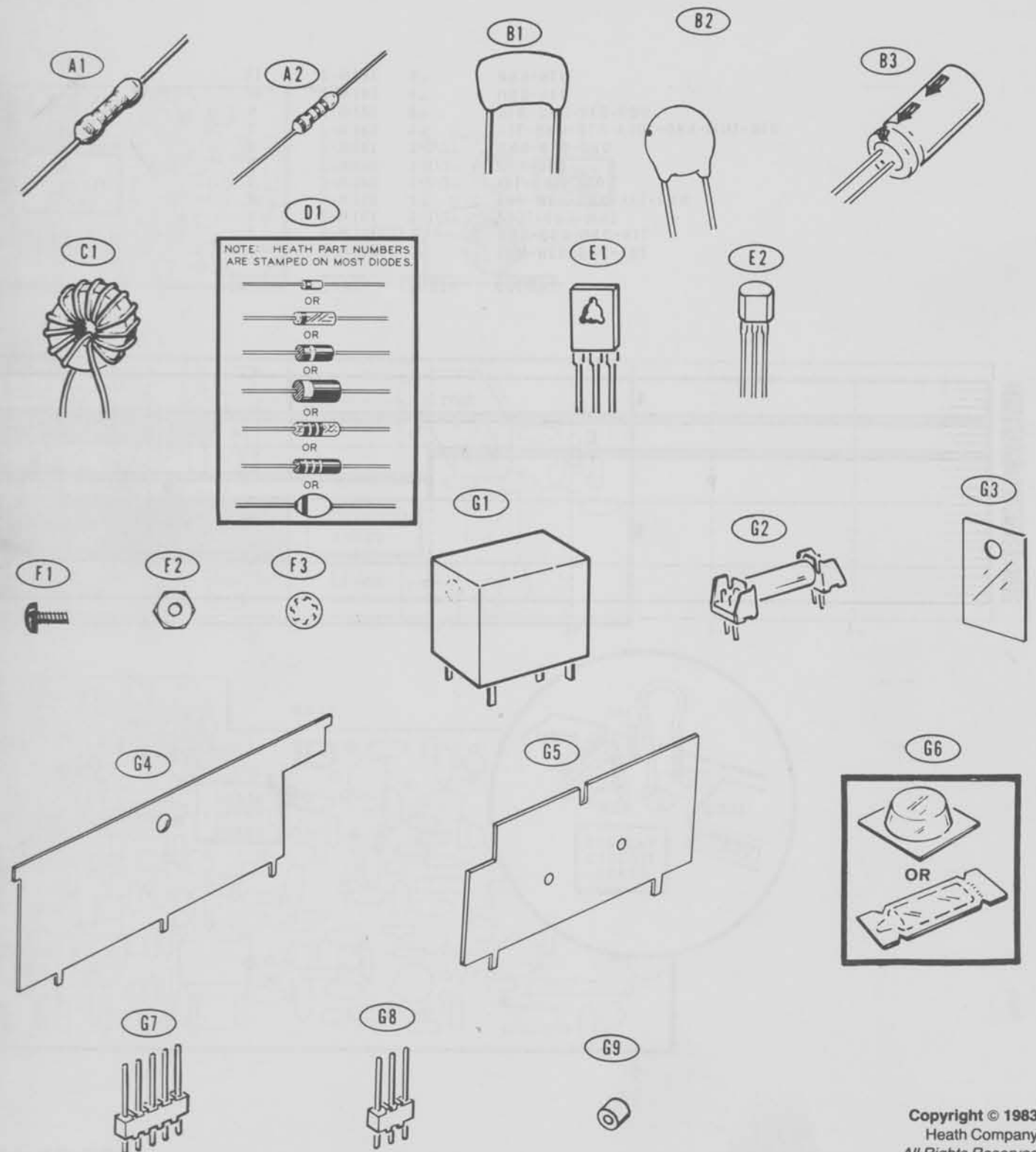
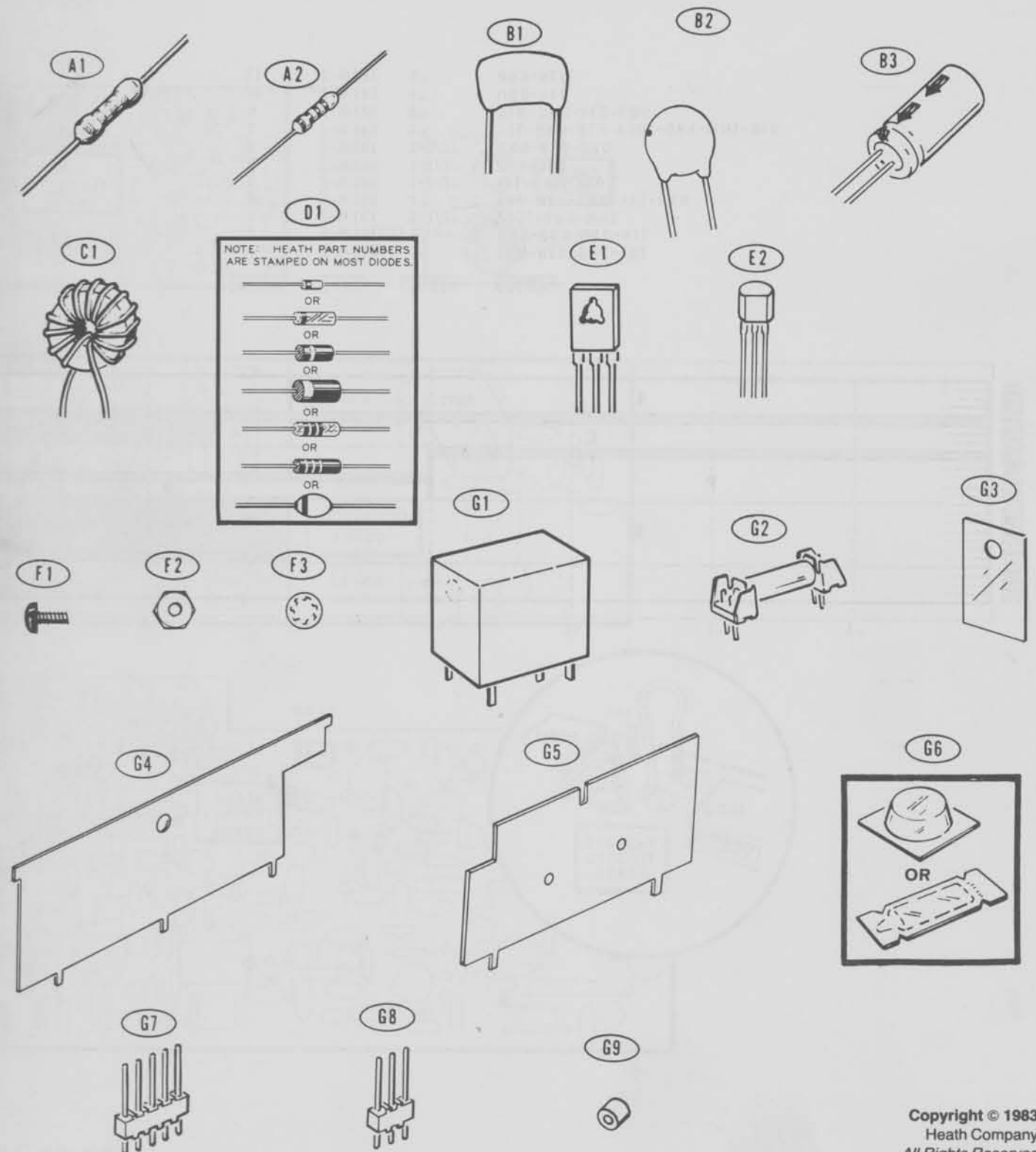
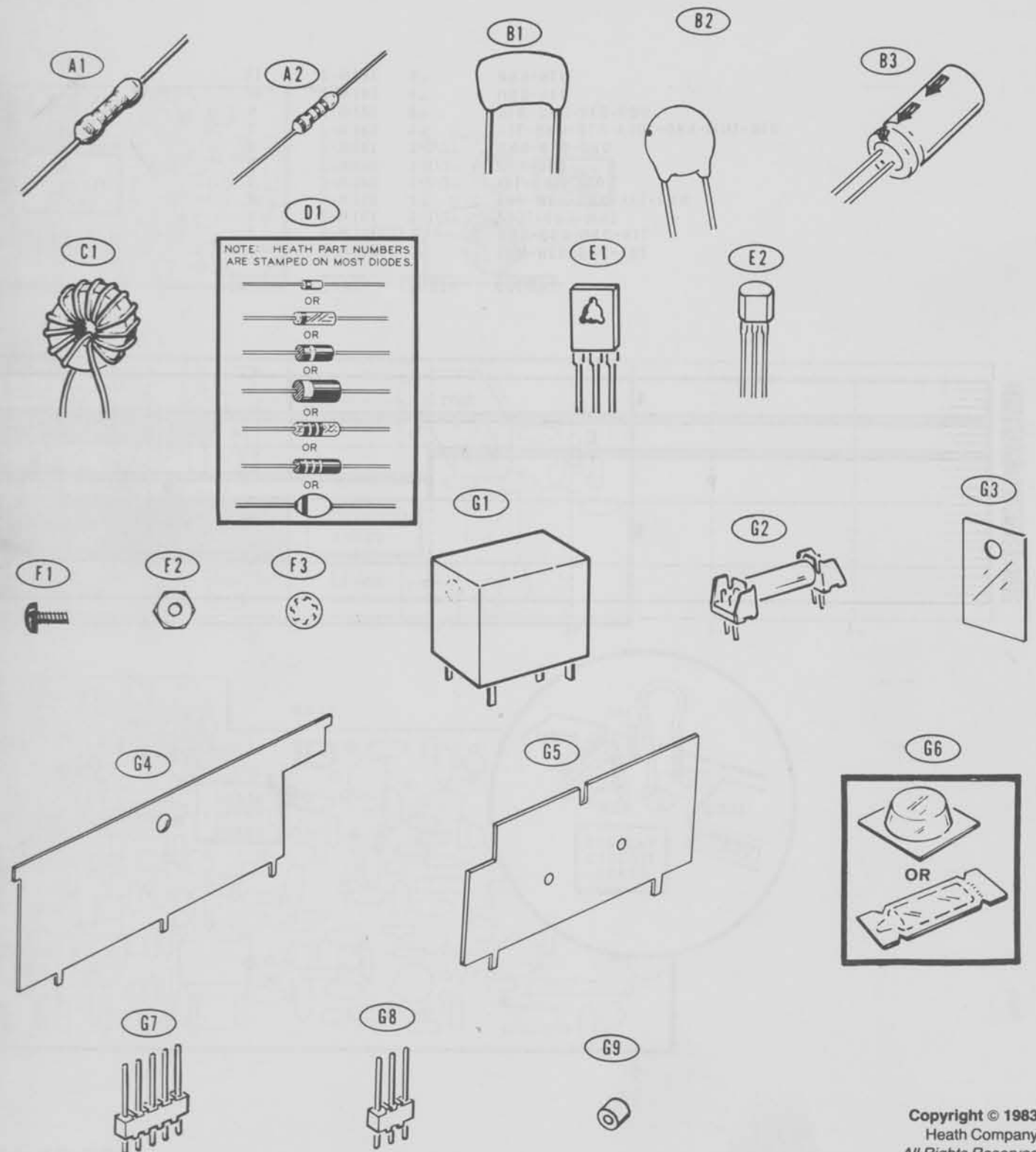
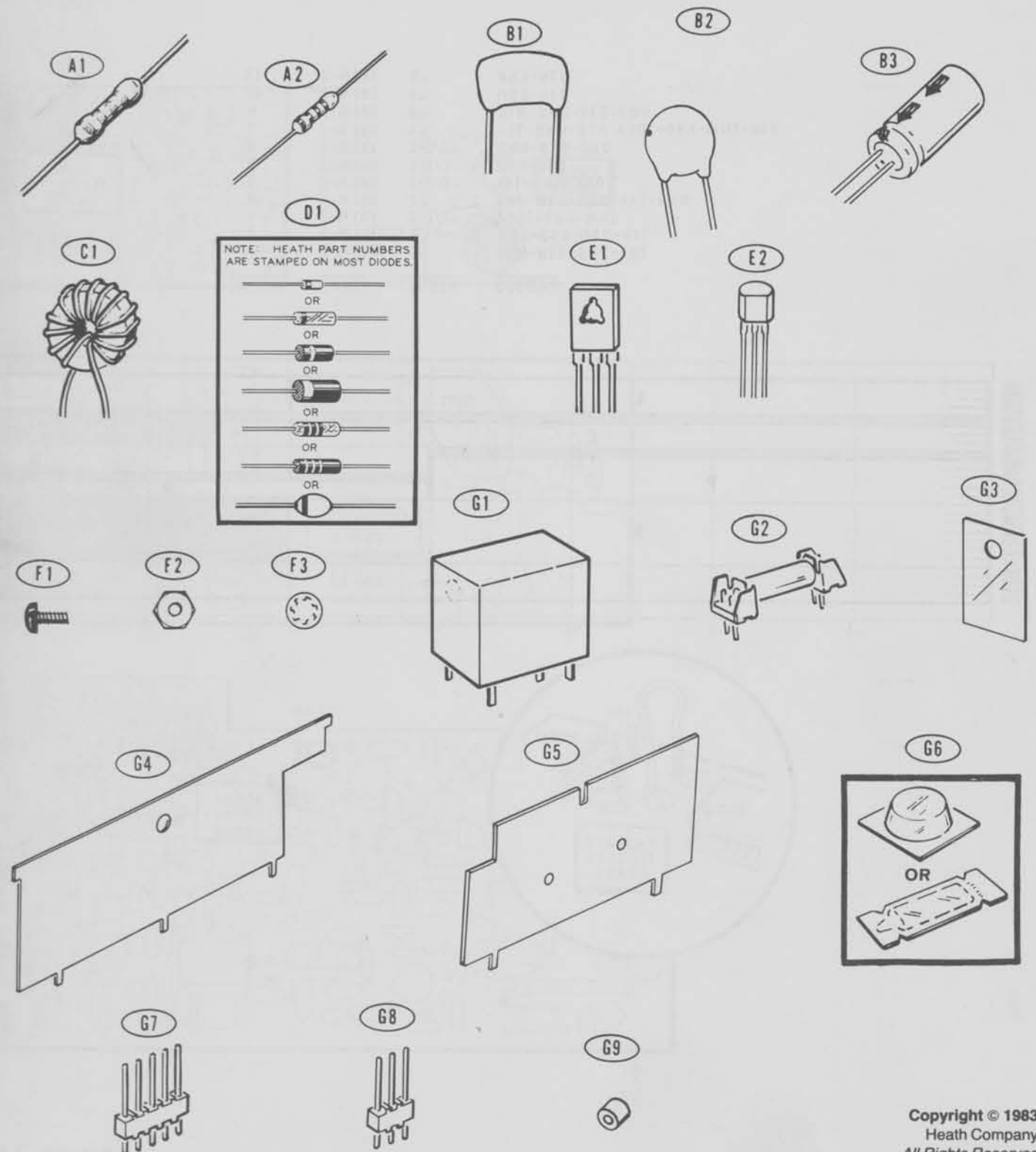
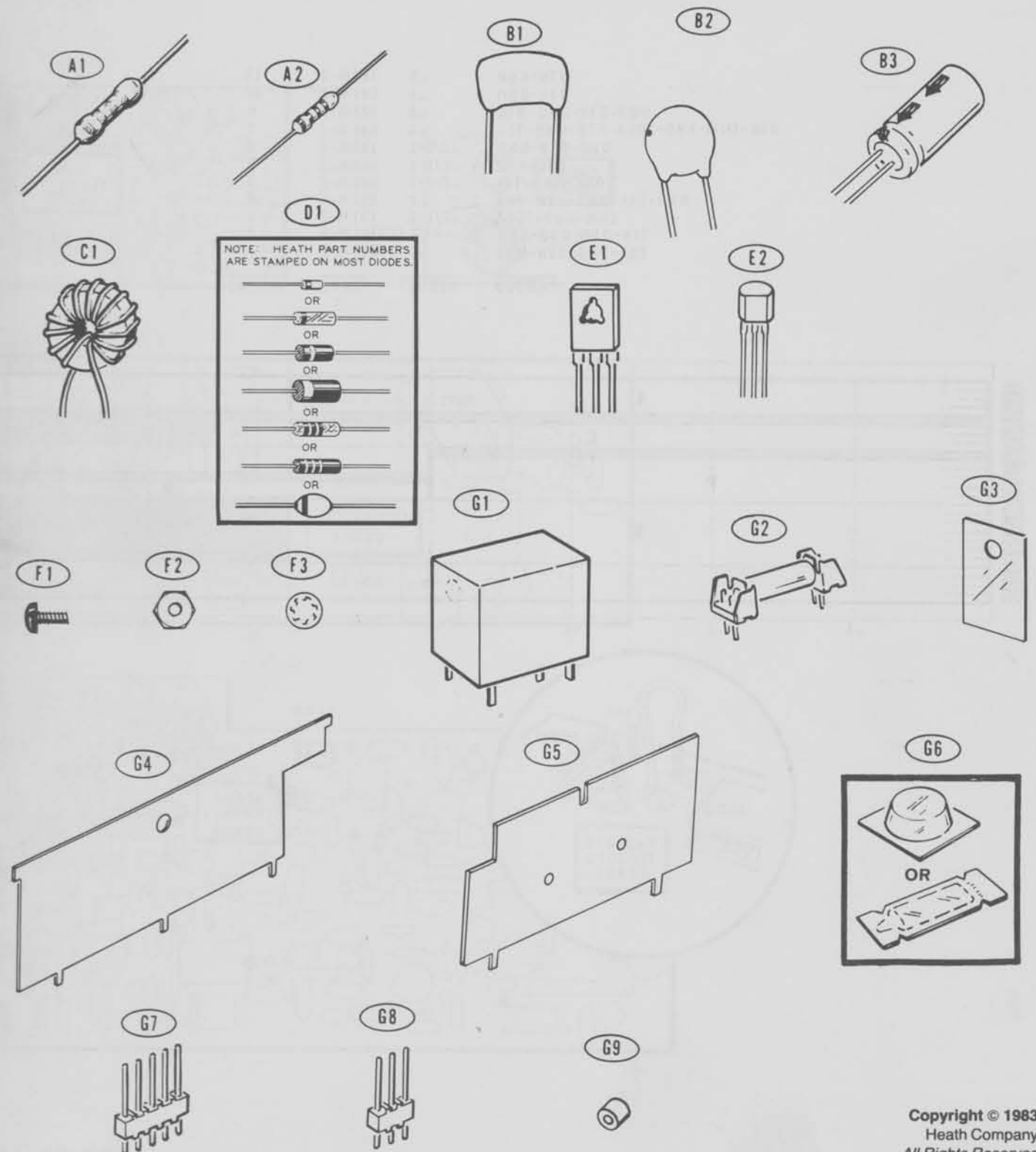
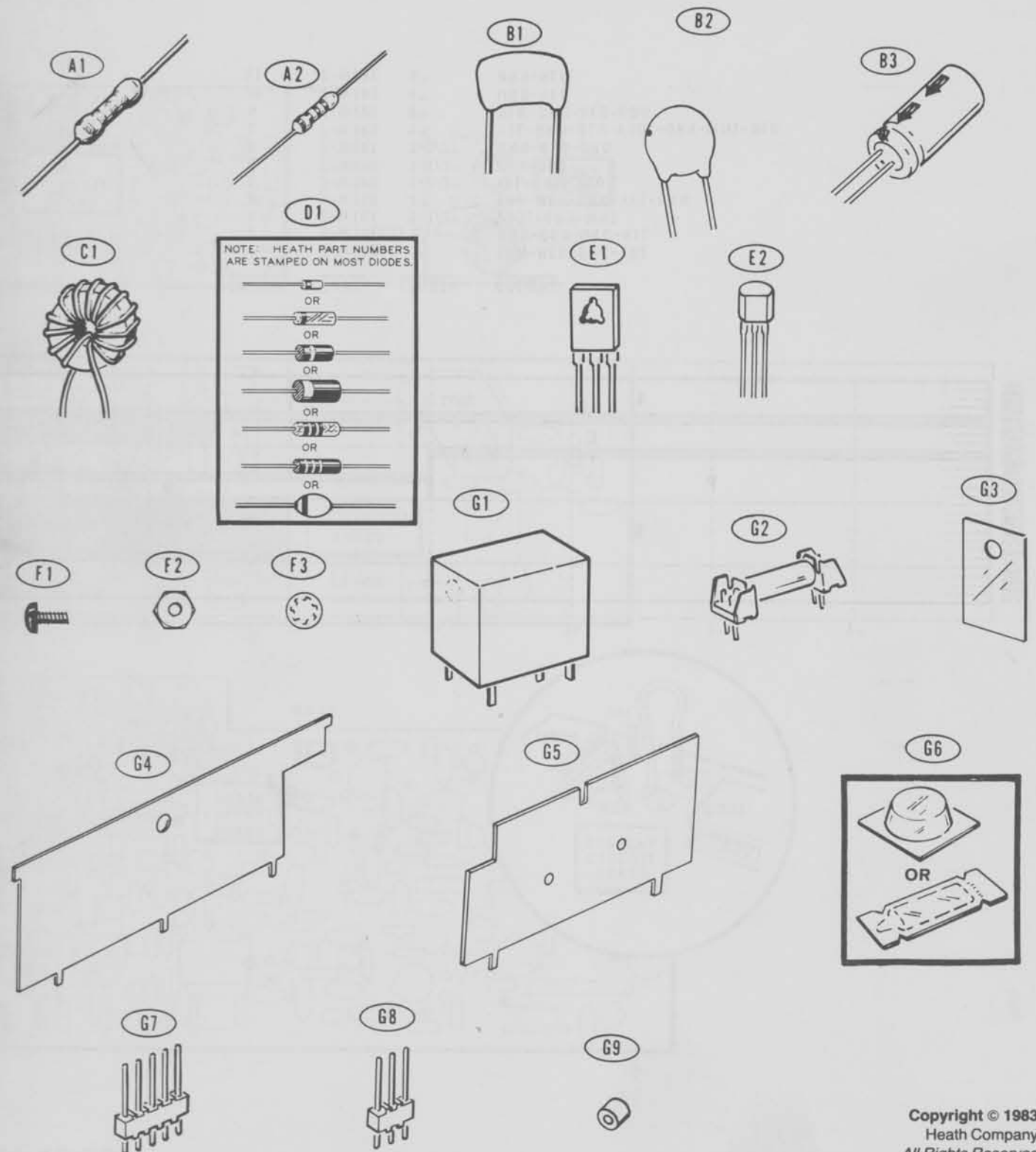
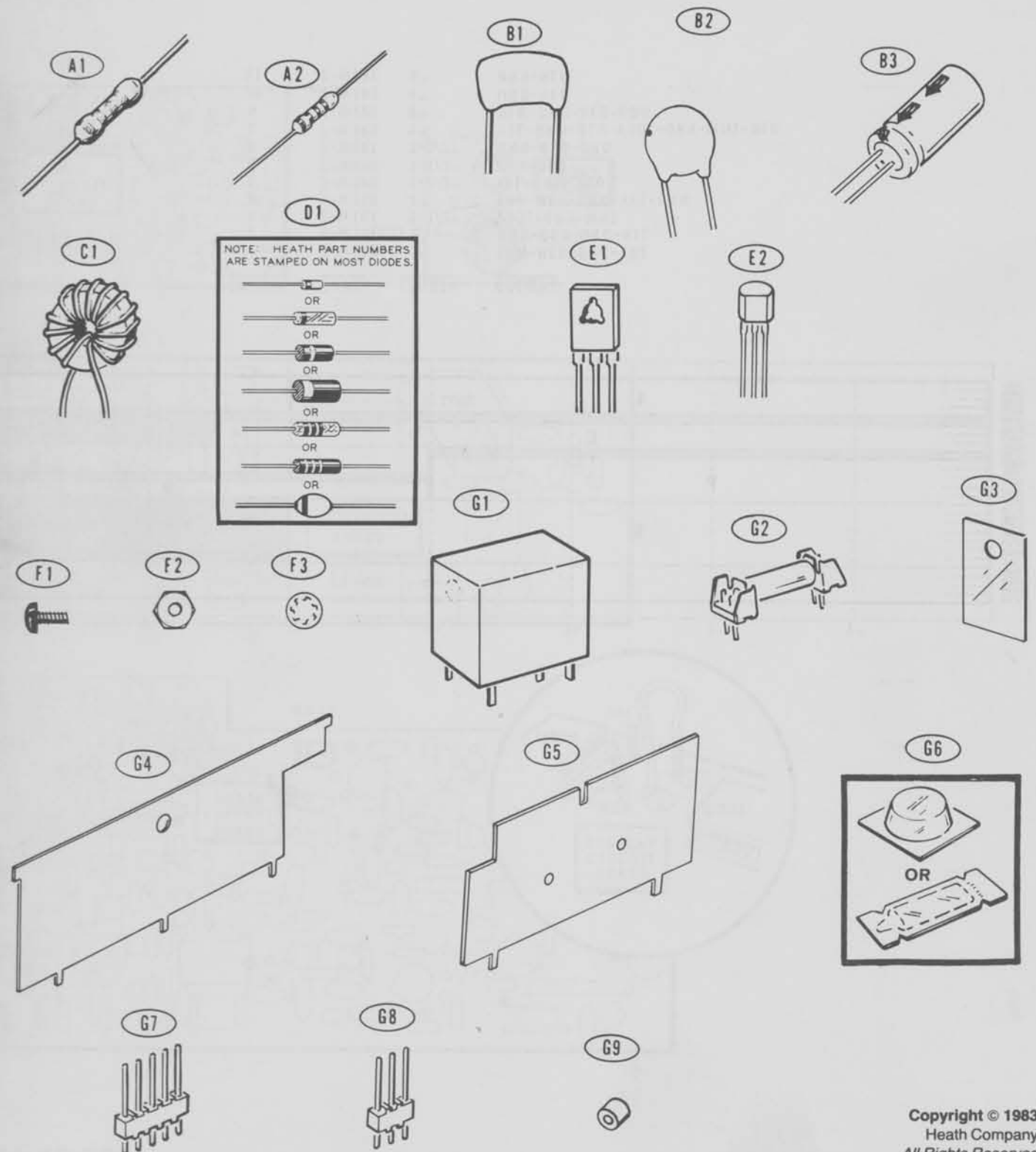
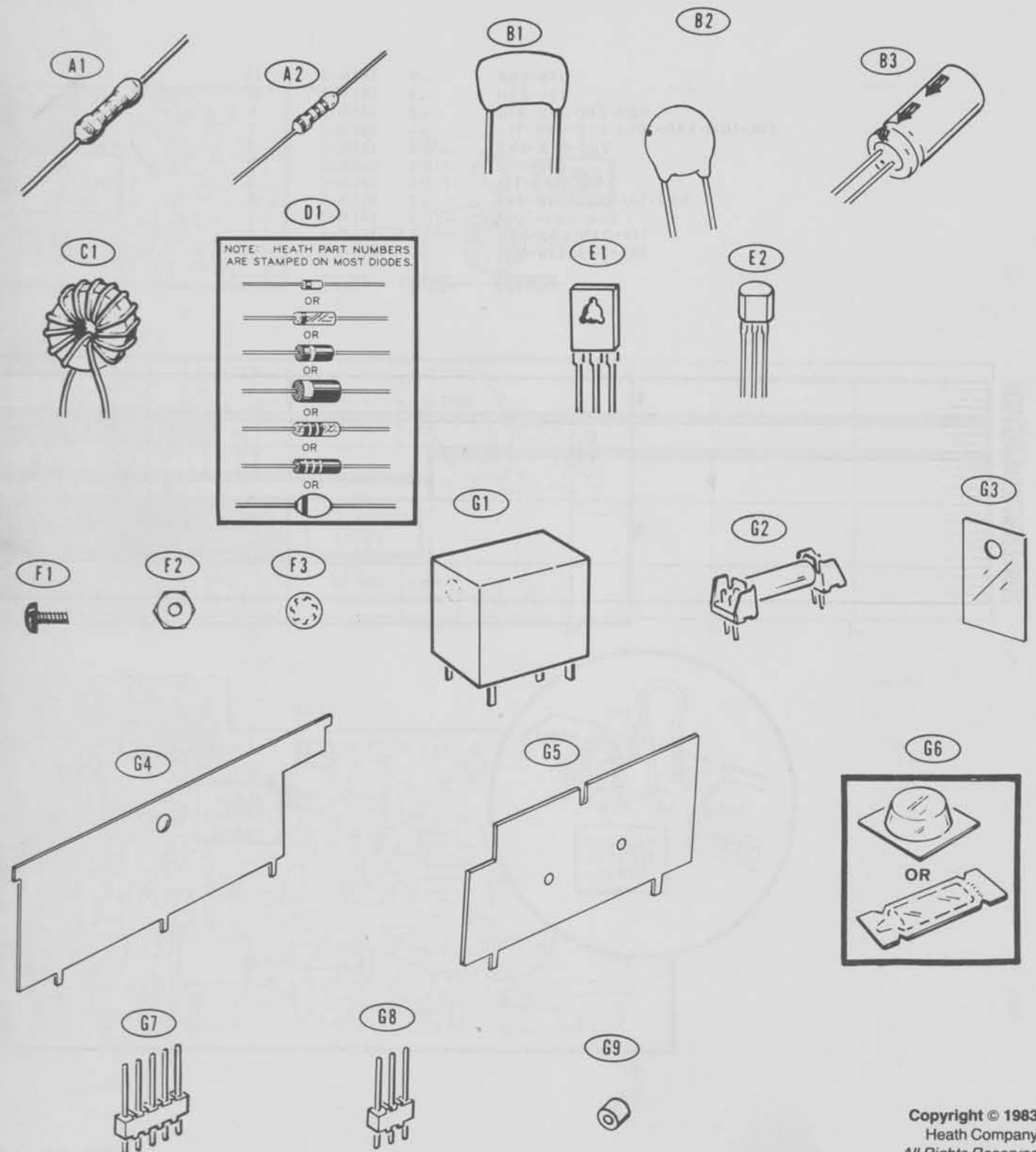
Part of 595-2891-02

SHAFT ENCODER & RF PROBE CIRCUIT BOARD PARTS PICTORIAL

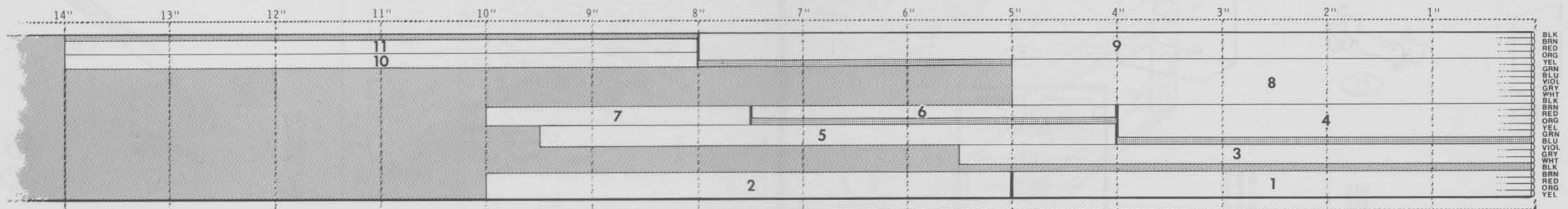


390-2363	P1105	P905	P902	1	P914	10
INVR.	P905	P1105				
13.8V	P101	P107	P1103	4		
12V	P102	P406	P907	P917	1	
20V	P103	P801	P909	P918	1	
C352	P104	P802	P911	P919	1	
C355	P105	P904	P914	P1102	1	
C358	P106	P906	P916	P1107	1	
C362	P201	P552	P804	P1101	1	
L352	P402	P554	P903	P1104	1	
HI V.C.O.	P404	P703	P913	P1106	1	
LOW V.C.O.	P405	P803	P915	P1103	1	
C302	P401	P409	P553	P905	1	
C305					1	
C309	P403	P410	P651	P908	1	
L302					1	
C128	P407	P411	P701	P912	1	
L105					1	
L102					1	
C103	P408	P551	P805	P412	1	

FILTER CIRCUIT BOARD PARTS PICTORIAL



SEPARATE FOR SINGLE WIRES.
CUT OFF THROW AWAY.

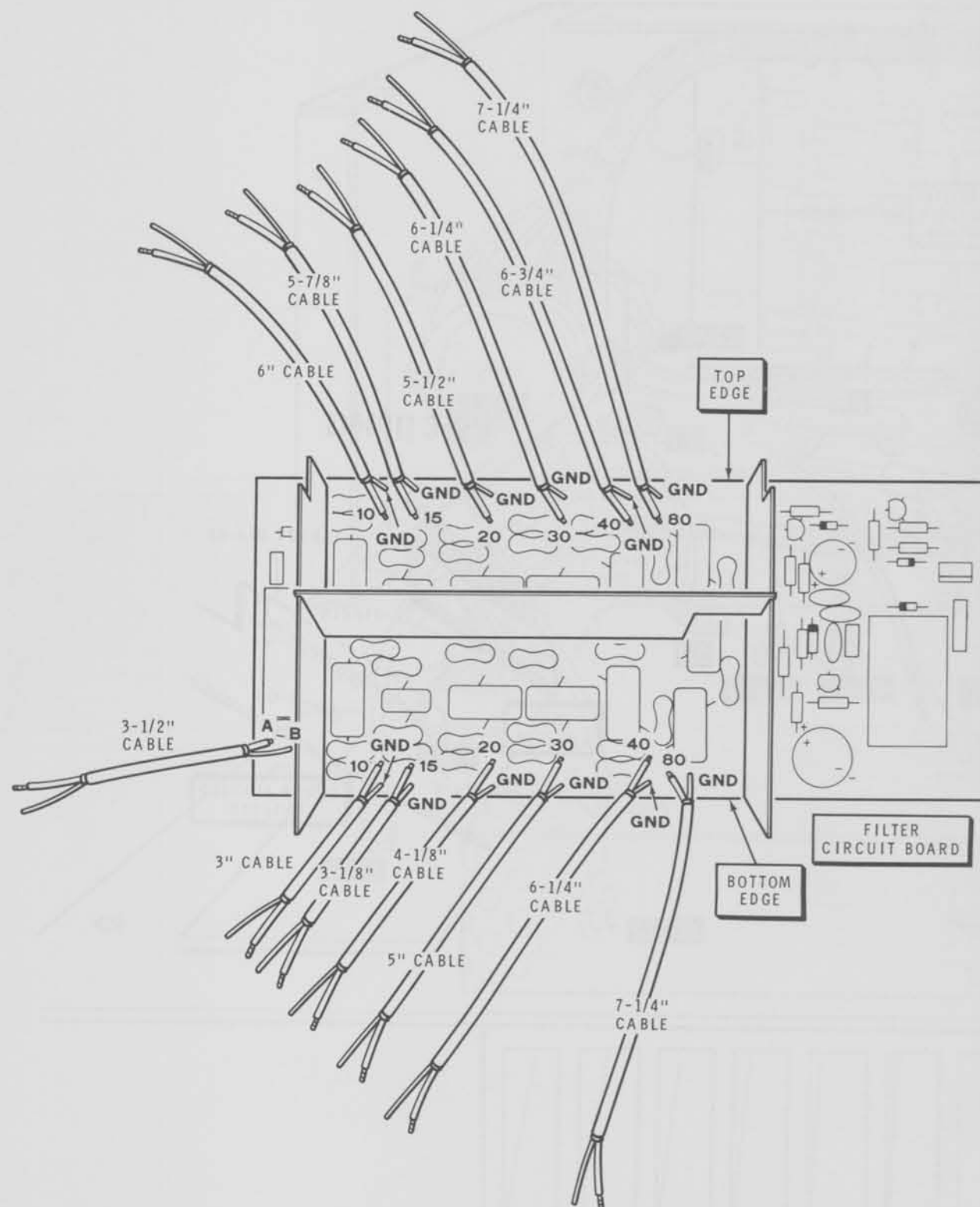


NOTES:

1. POSITION THE 25-WIRE CABLE AS SHOWN WITH THE YELLOW WIRE DOWN.
2. CUT THE 2-, 3-, 4-, 5-, AND 7-WIRE CABLE GROUPS FROM THE 25-WIRE CABLE AS SHOWN. START WITH CABLE #1, AT THE LOWER RIGHT END OF THE CABLE, AND CUT EACH CABLE GROUP IN THE ORDER SHOWN.
3. WHEN YOU ARE FINISHED, YOU SHOULD HAVE THE FOLLOWING CABLE GROUPS:

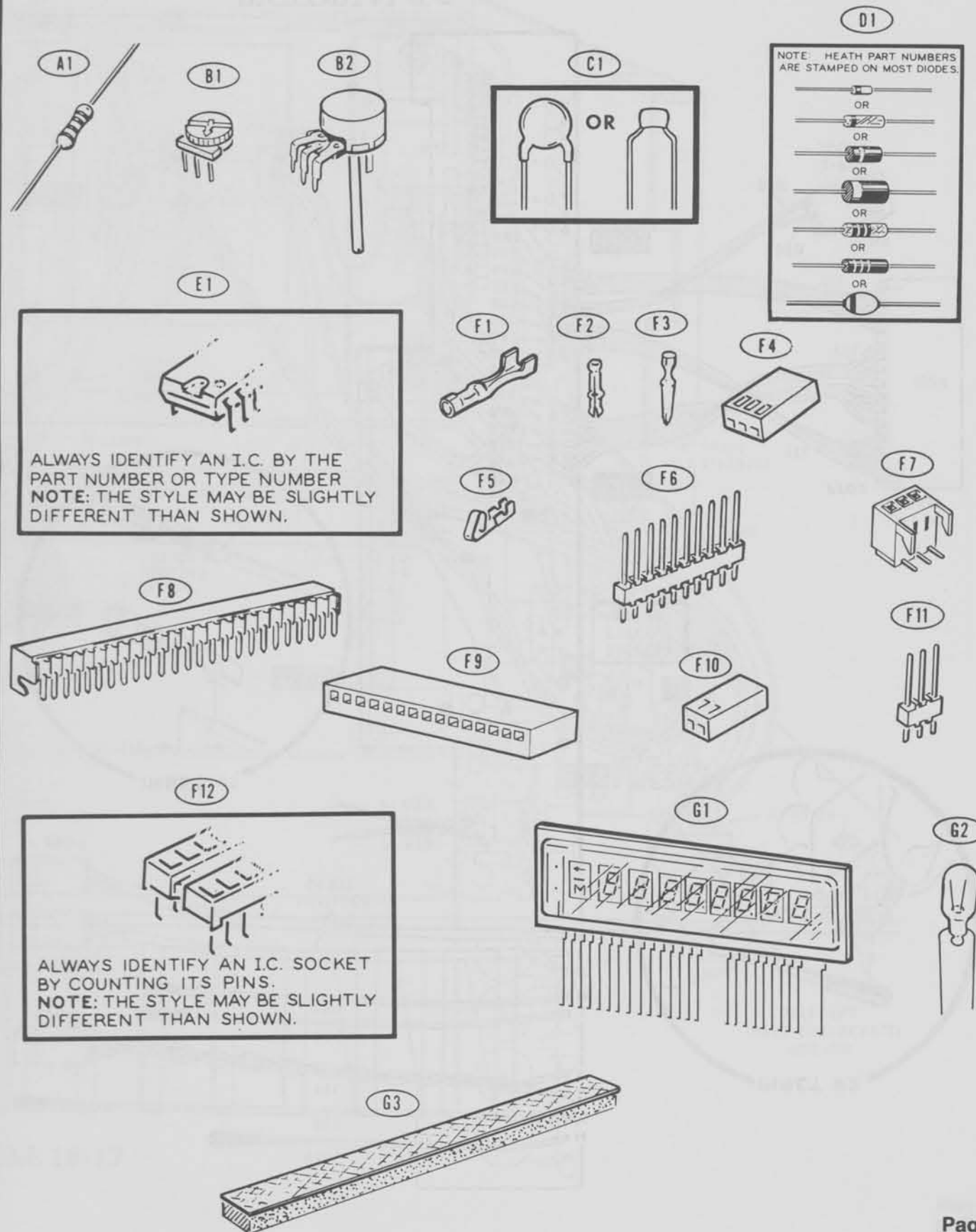
GROUP	TYPE	LENGTH	COLORS
1	4-WIRE	5"	BRN-RED-ORG-YEL
2	4-WIRE	5"	BRN-RED-ORG-YEL
3	3-WIRE	5-1/2"	VIOL-GRY-WHT
4	5-WIRE	4"	BRN-RED-ORG-YEL-GRN
5	3-WIRE	5-1/2"	YEL-GRN-BLU
6	2-WIRE	3-1/2"	BRN-RED
7	3-WIRE	2-1/2"	BRN-RED-ORG
8	7-WIRE	5"	YEL-GRN-BLU-VIOL-GRY-WHT-BLK
9	4-WIRE	8"	BLK-BRN-RED-ORG
10	2-WIRE	6"	ORG-YEL
11	2-WIRE	6"	BRN-RED

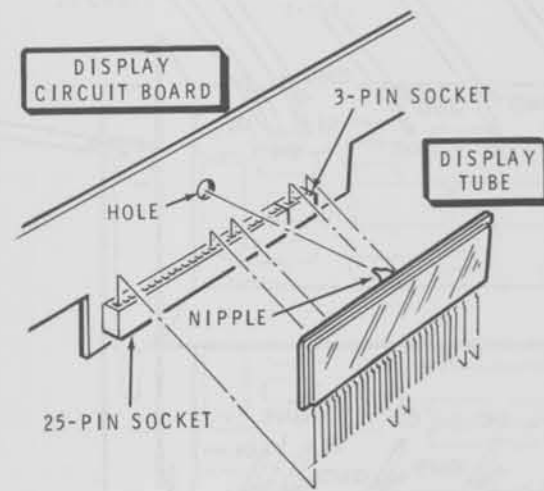
Detail 1-4A



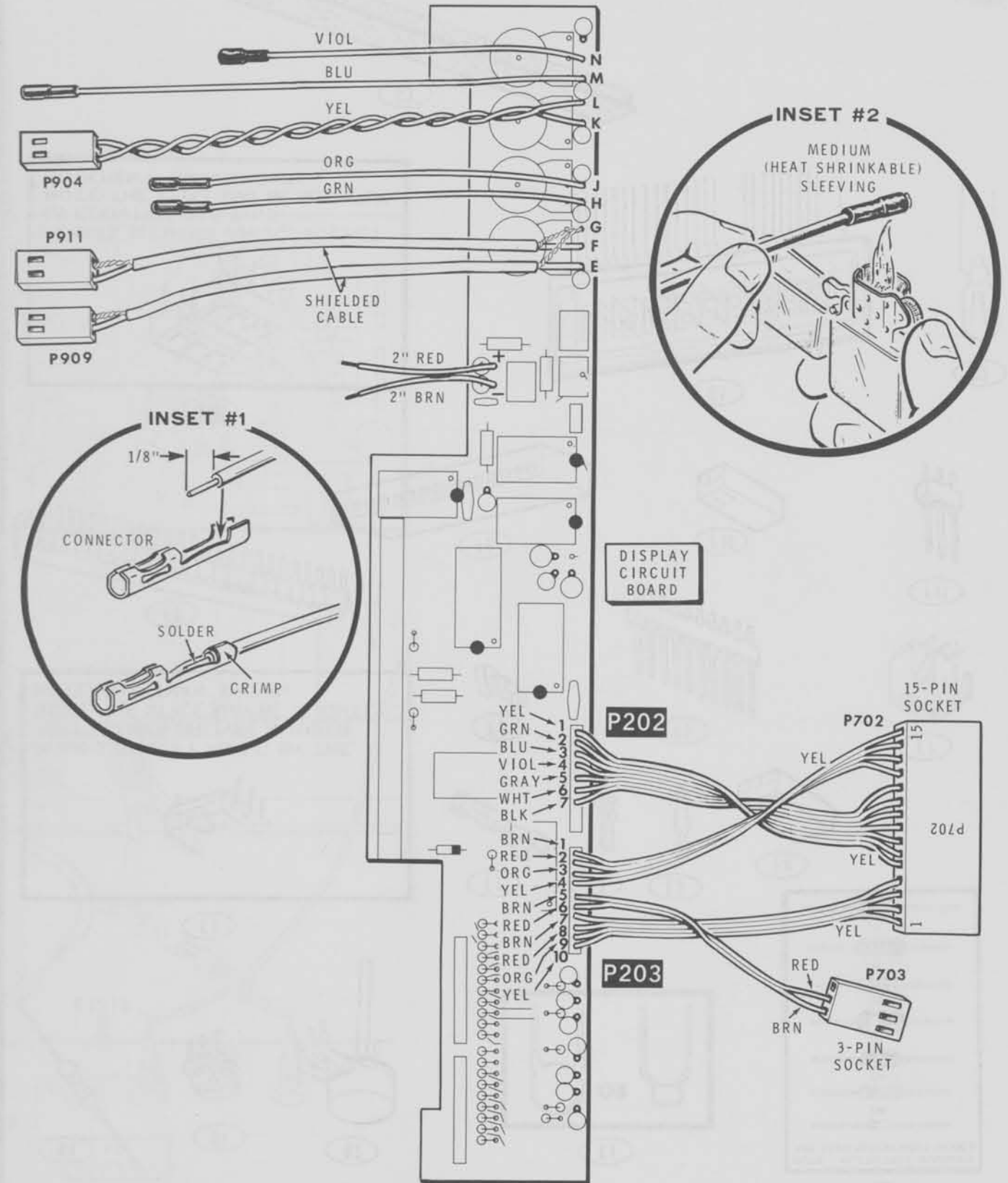
PICTORIAL 2-7

DISPLAY CIRCUIT BOARD PARTS PICTORIAL

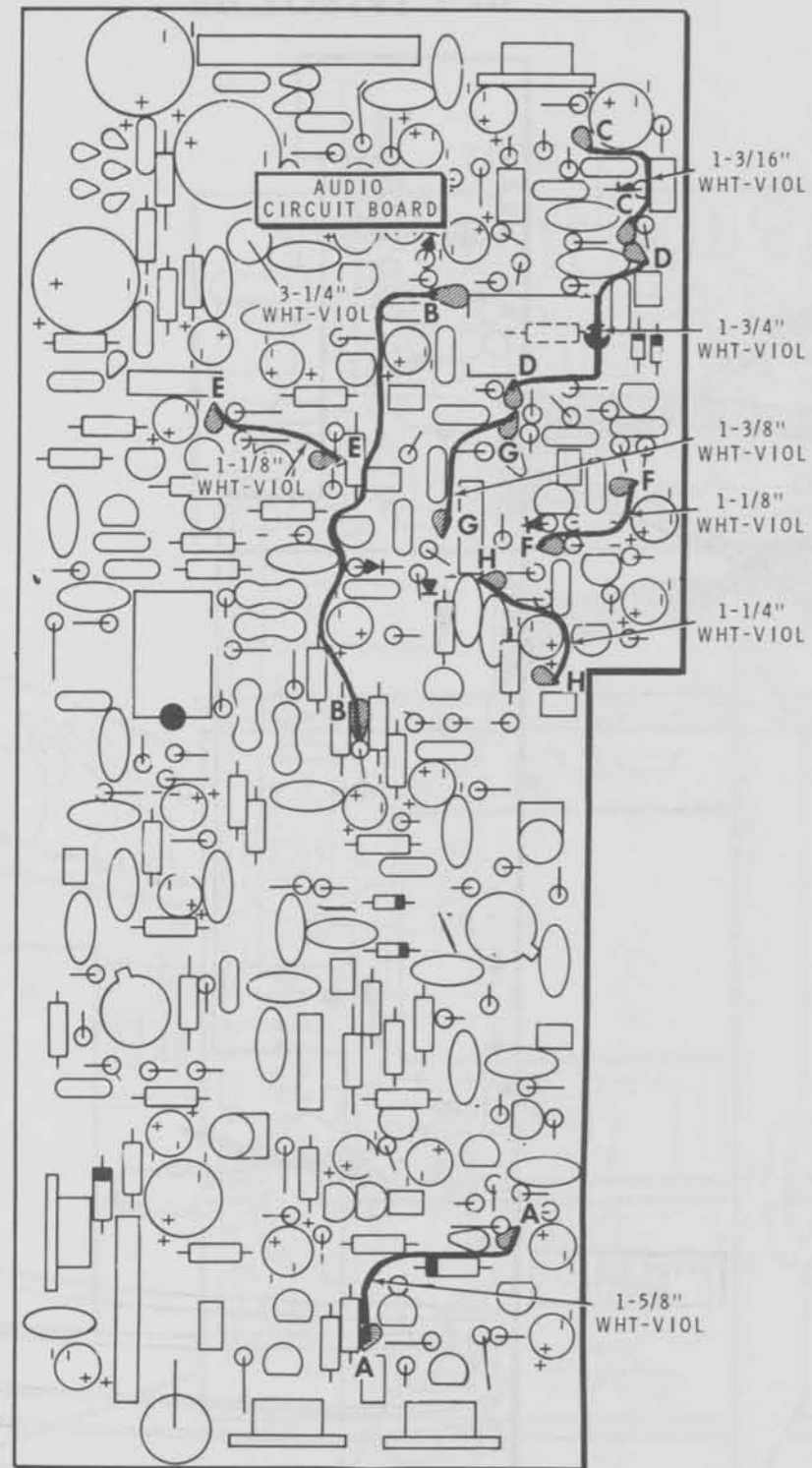




Detail 3-5A

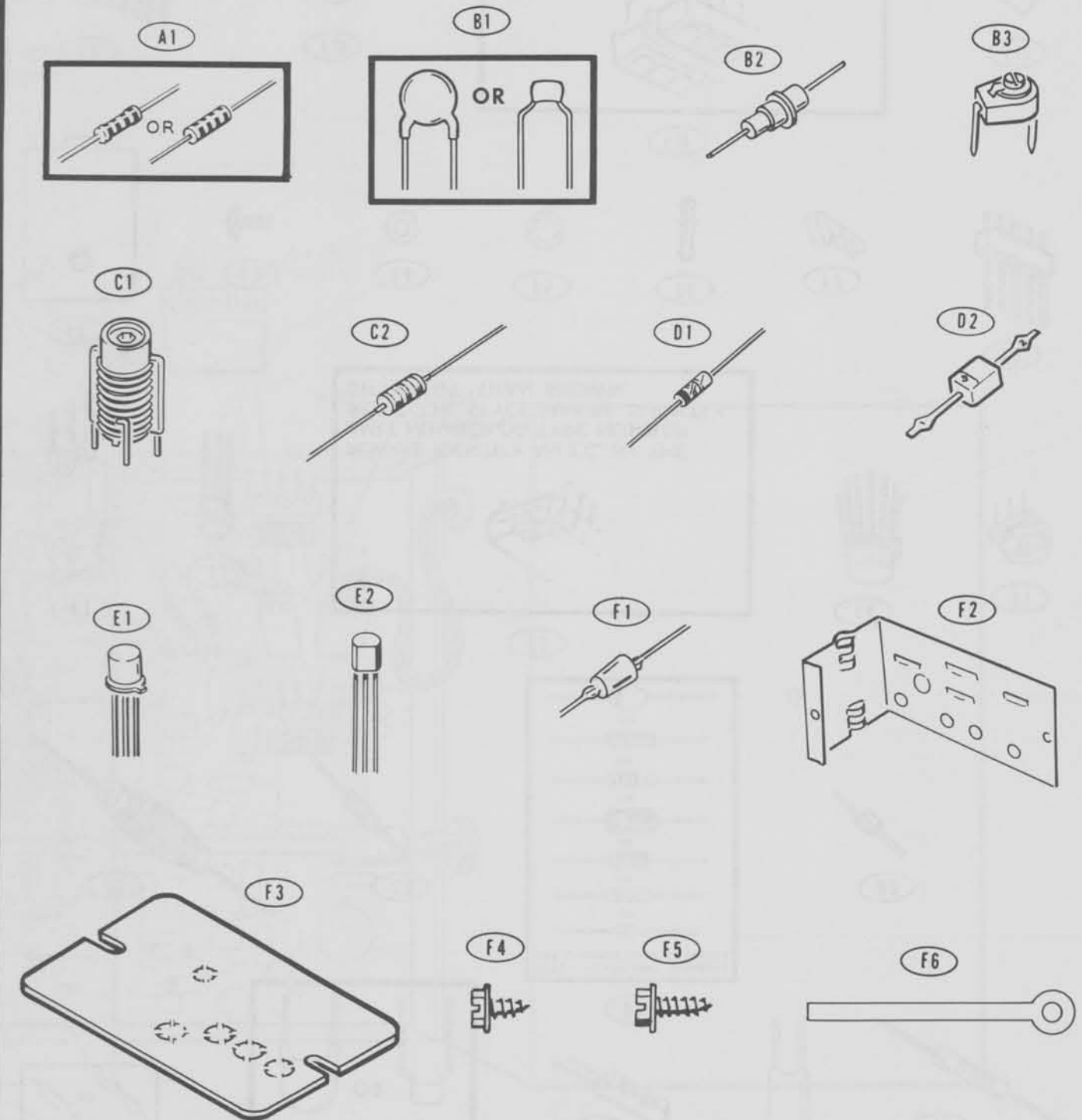


PICTORIAL 3-8

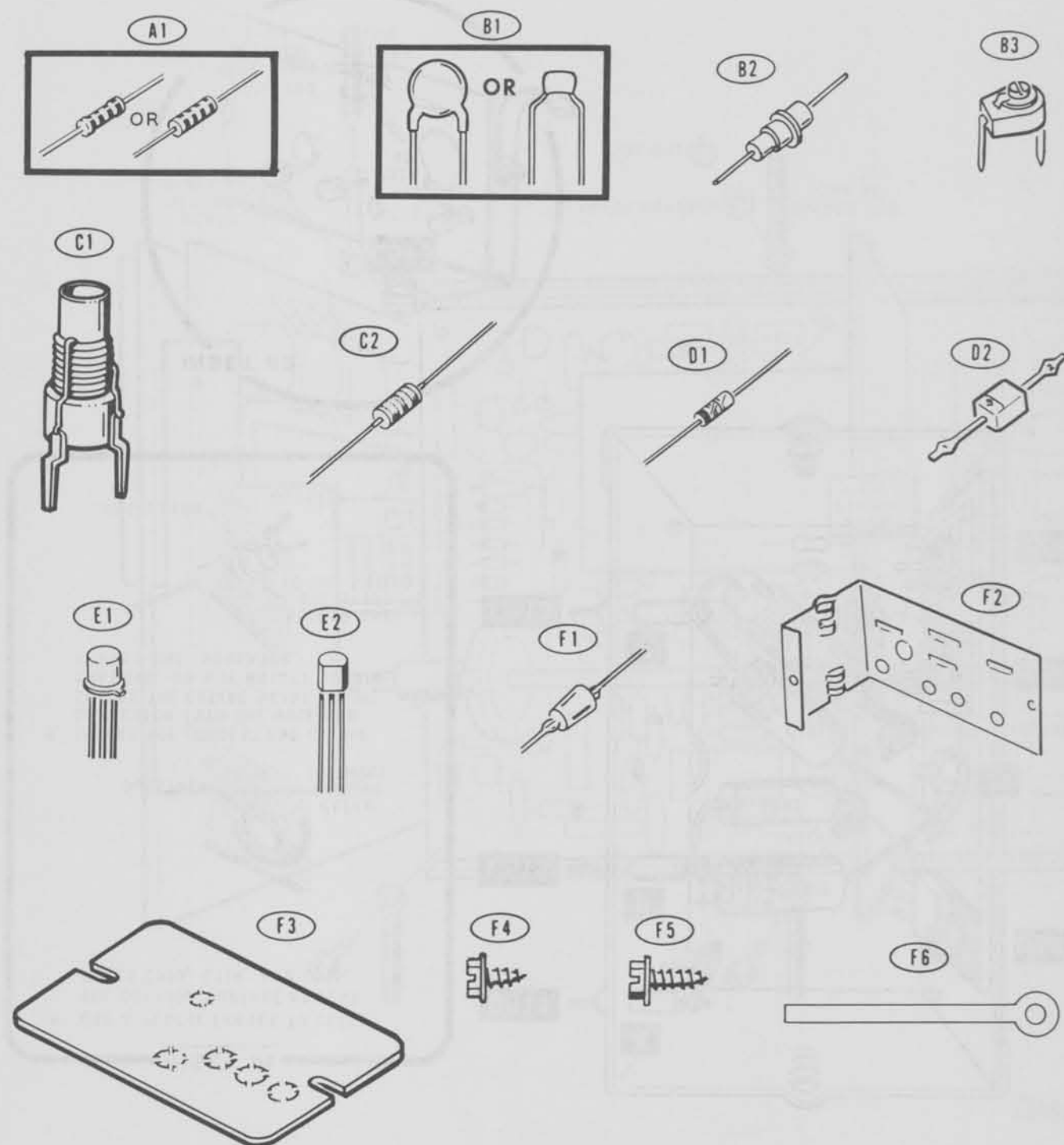


PICTORIAL 4-14

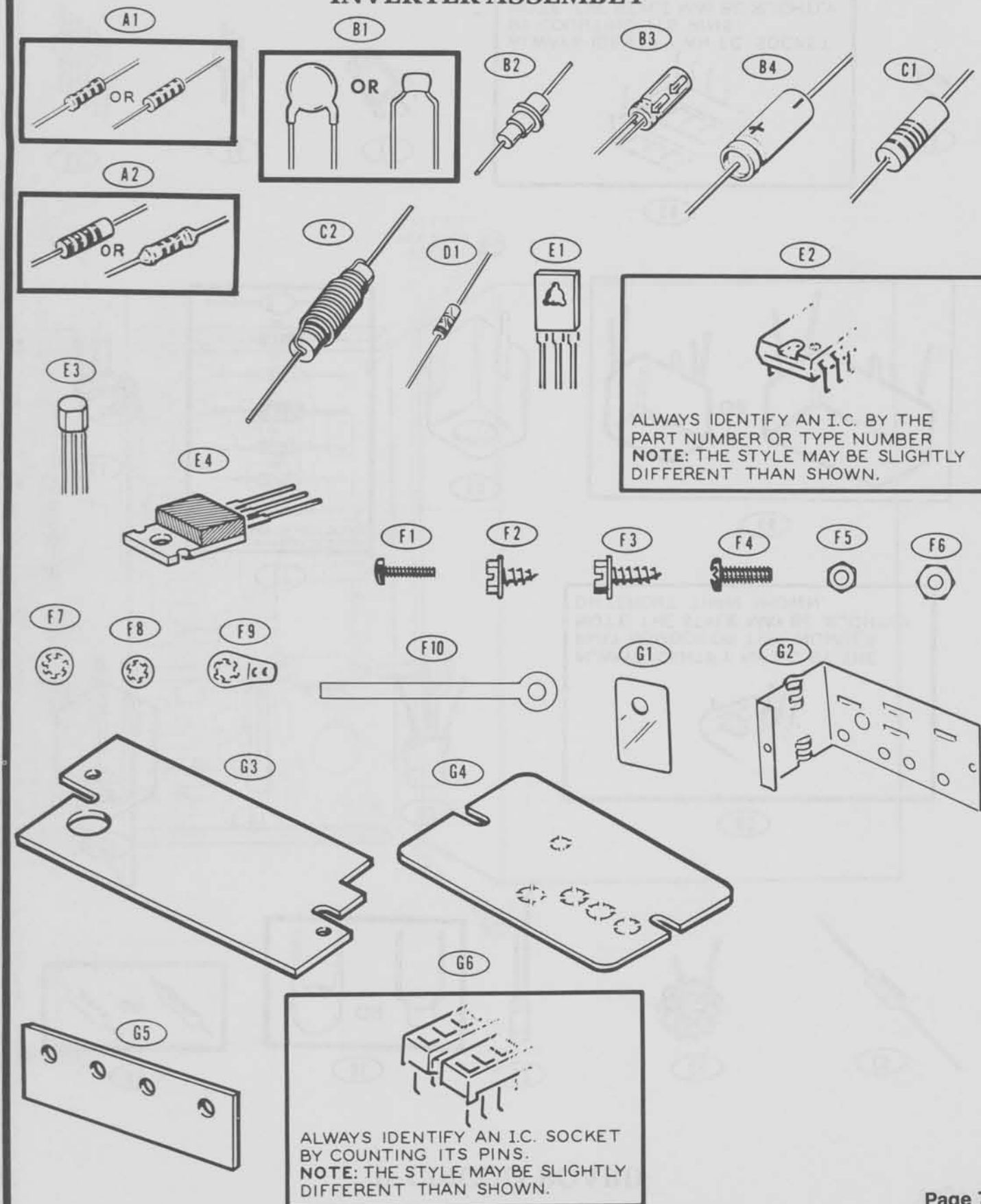
HIGH VCO ASSEMBLY



LOW VCO ASSEMBLY

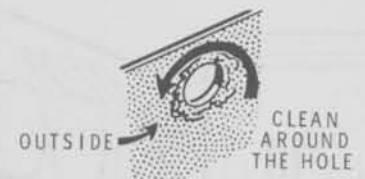


INVERTER ASSEMBLY



INSET #1

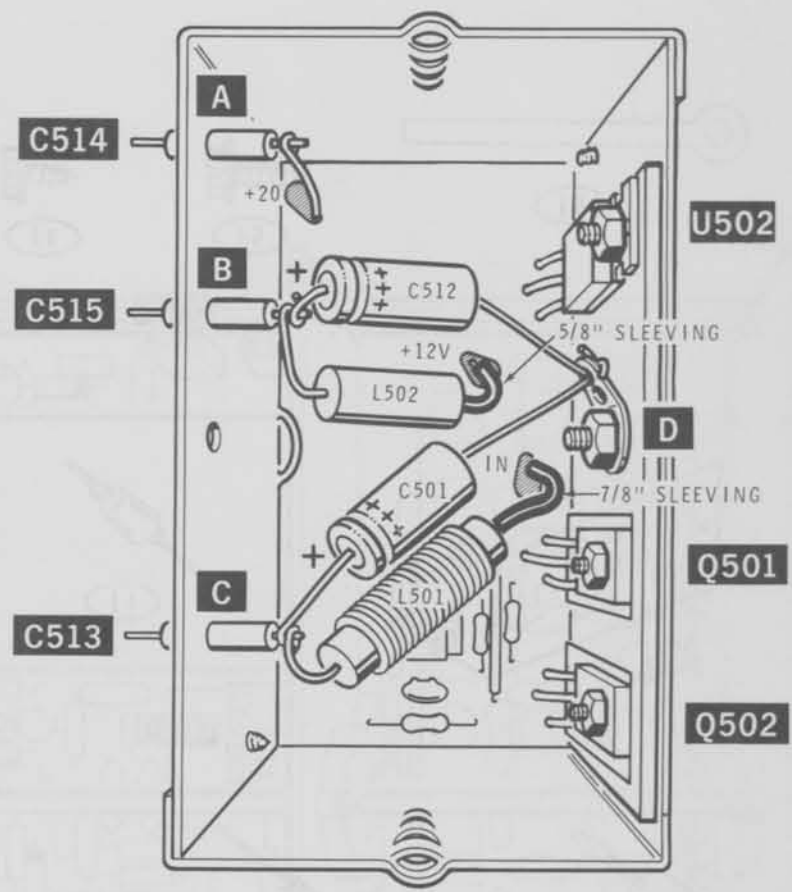
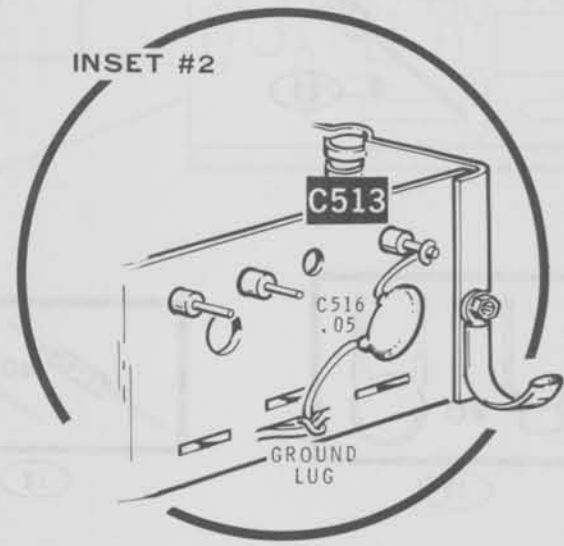
A. USE A PENCIL ERASER TO CLEAN THE OUTSIDE SURFACE AROUND HOLES C513, C514, AND C515.



B. INSERT THE LONGEST END OF THE CAPACITOR INTO THE HOLE AND SOLDER THE ENTIRE SKIRT TO THE CHASSIS. DO NOT BRIDGE SOLDER ACROSS THE INSULATOR.



INSET #2



PICTORIAL 7-5

IF CIRCUIT BOARD

A1

B1

B2

C1

C2

C3

D1

D2

D3

ALWAYS IDENTIFY AN I.C. BY THE PART NUMBER OR TYPE-NUMBER
NOTE: THE STYLE MAY BE SLIGHTLY DIFFERENT THAN SHOWN.

E1

E2

NOTE: HEATH PART NUMBERS ARE STAMPED ON MOST DIODES.

E3

E4

E5

E6

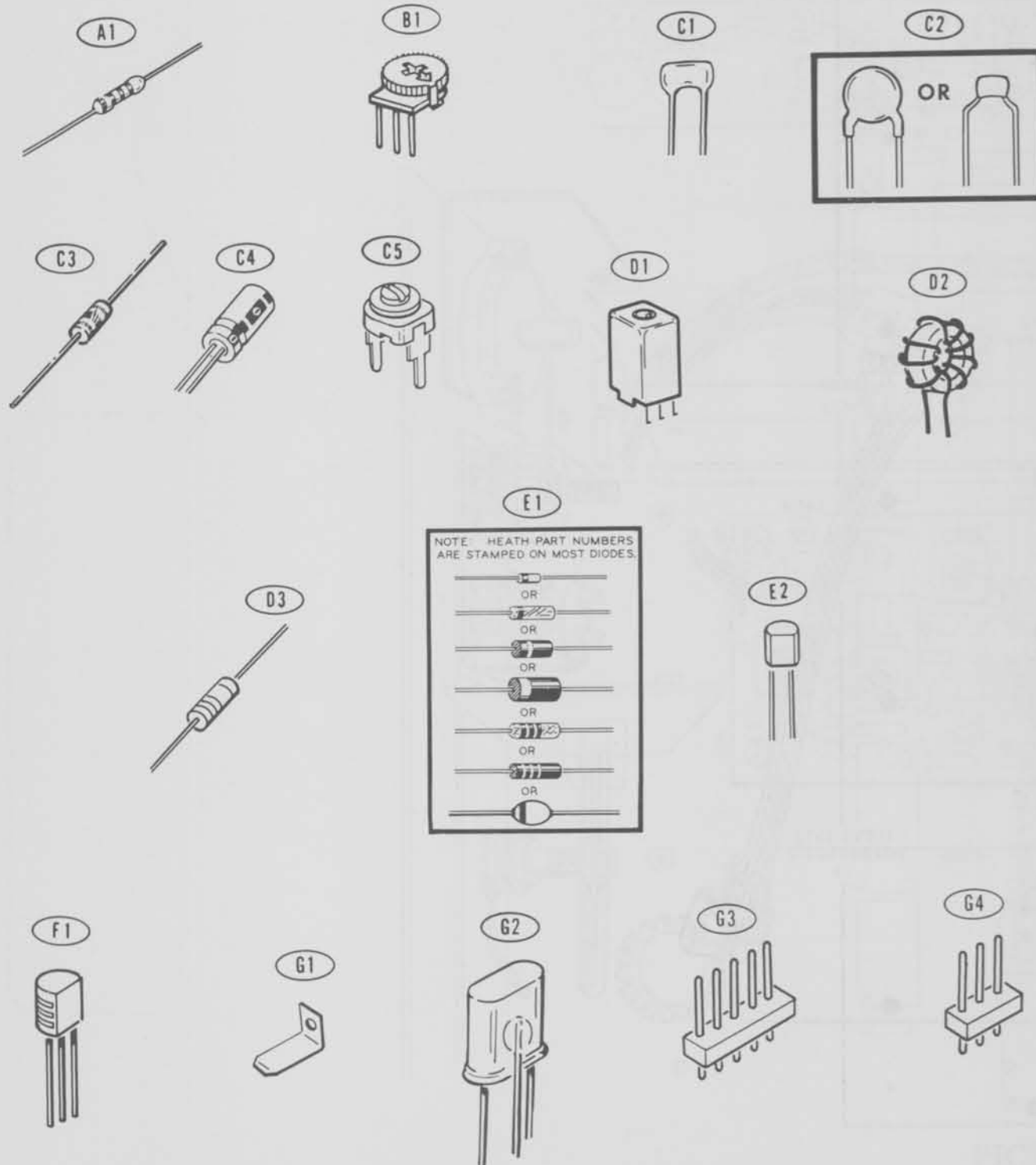
E7

E8

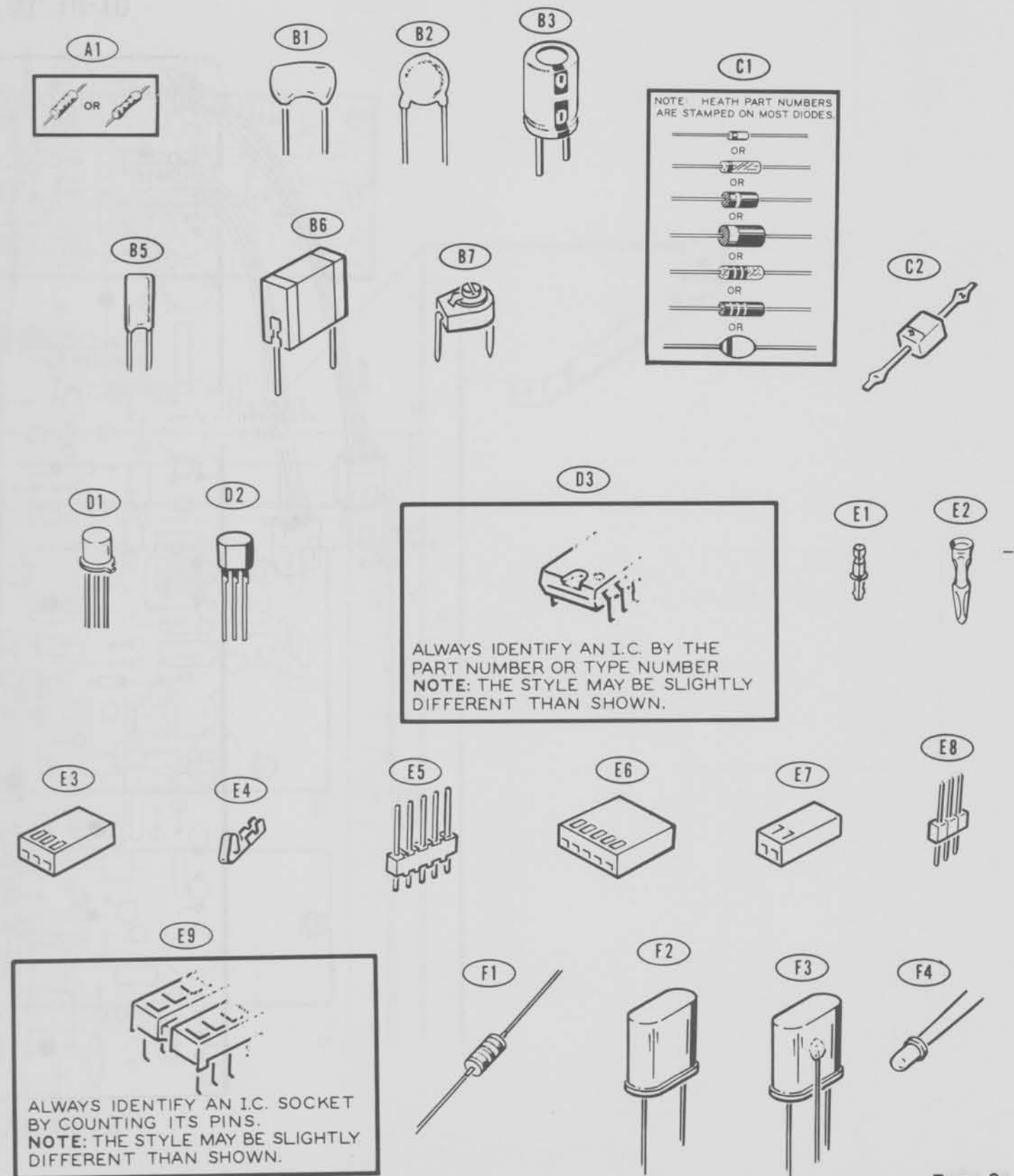
ALWAYS IDENTIFY AN I.C. SOCKET BY COUNTING ITS PINS.
NOTE: THE STYLE MAY BE SLIGHTLY DIFFERENT THAN SHOWN.

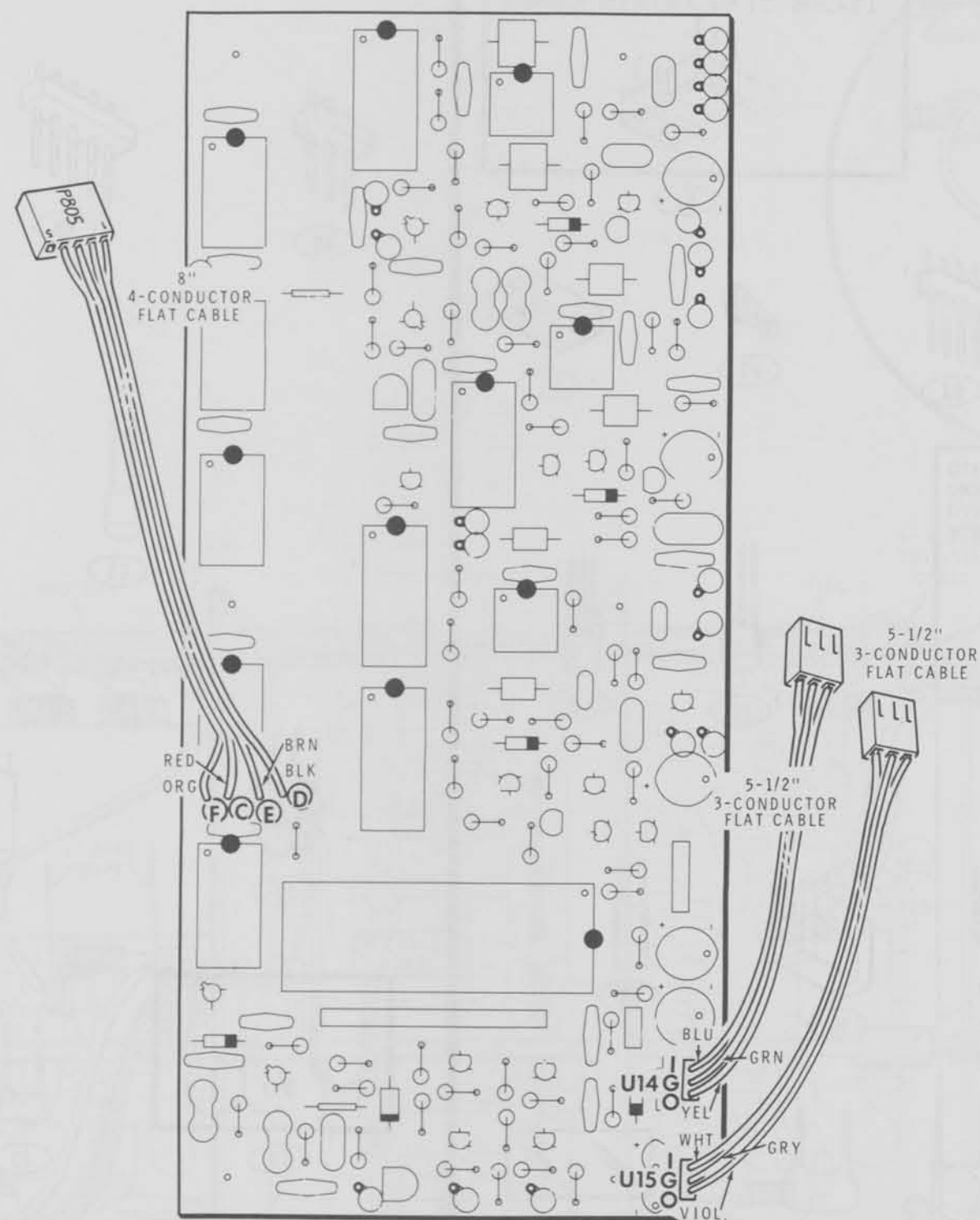
E9

BFO CIRCUIT BOARD

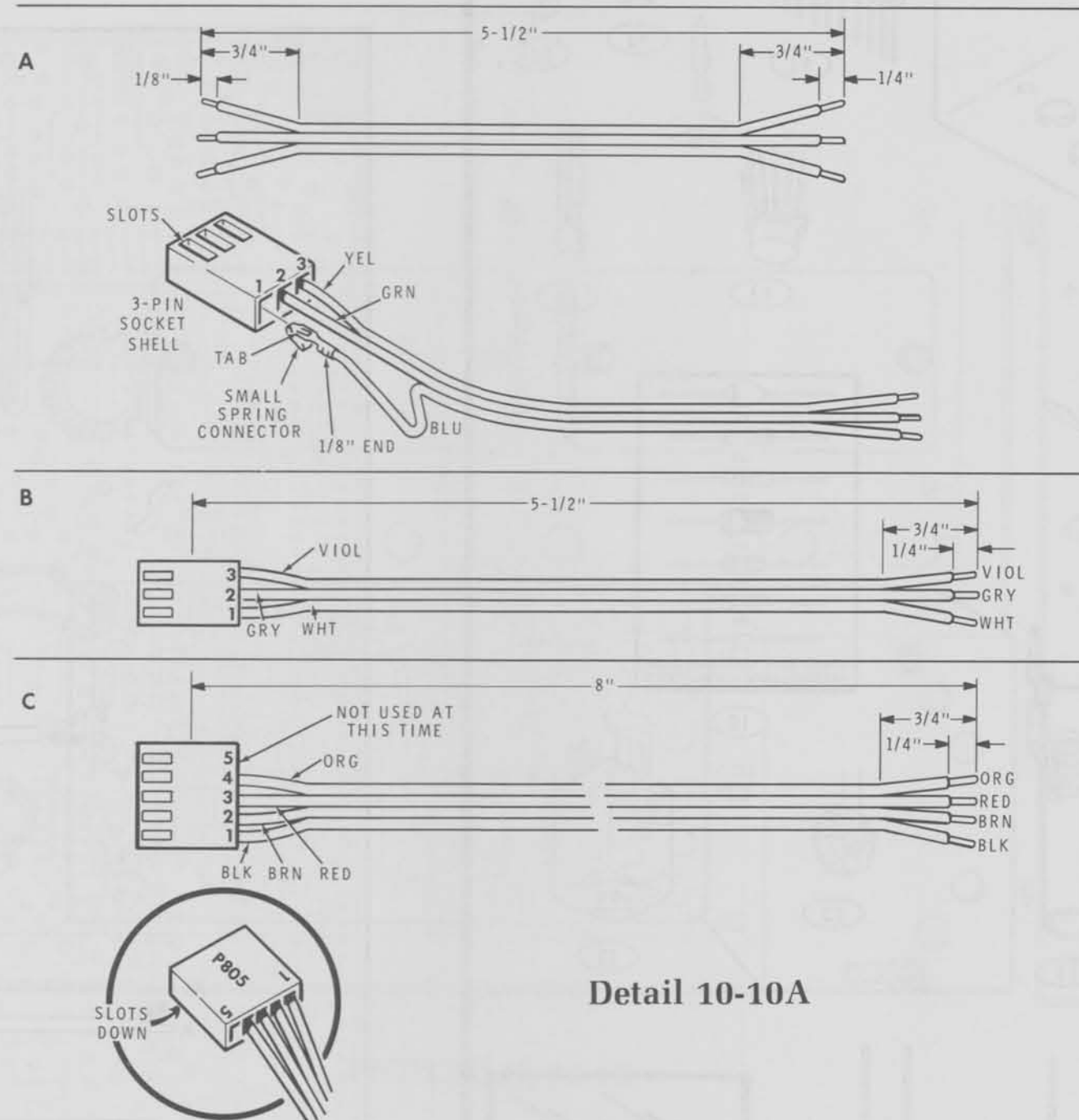


CONTROLLER CIRCUIT BOARD

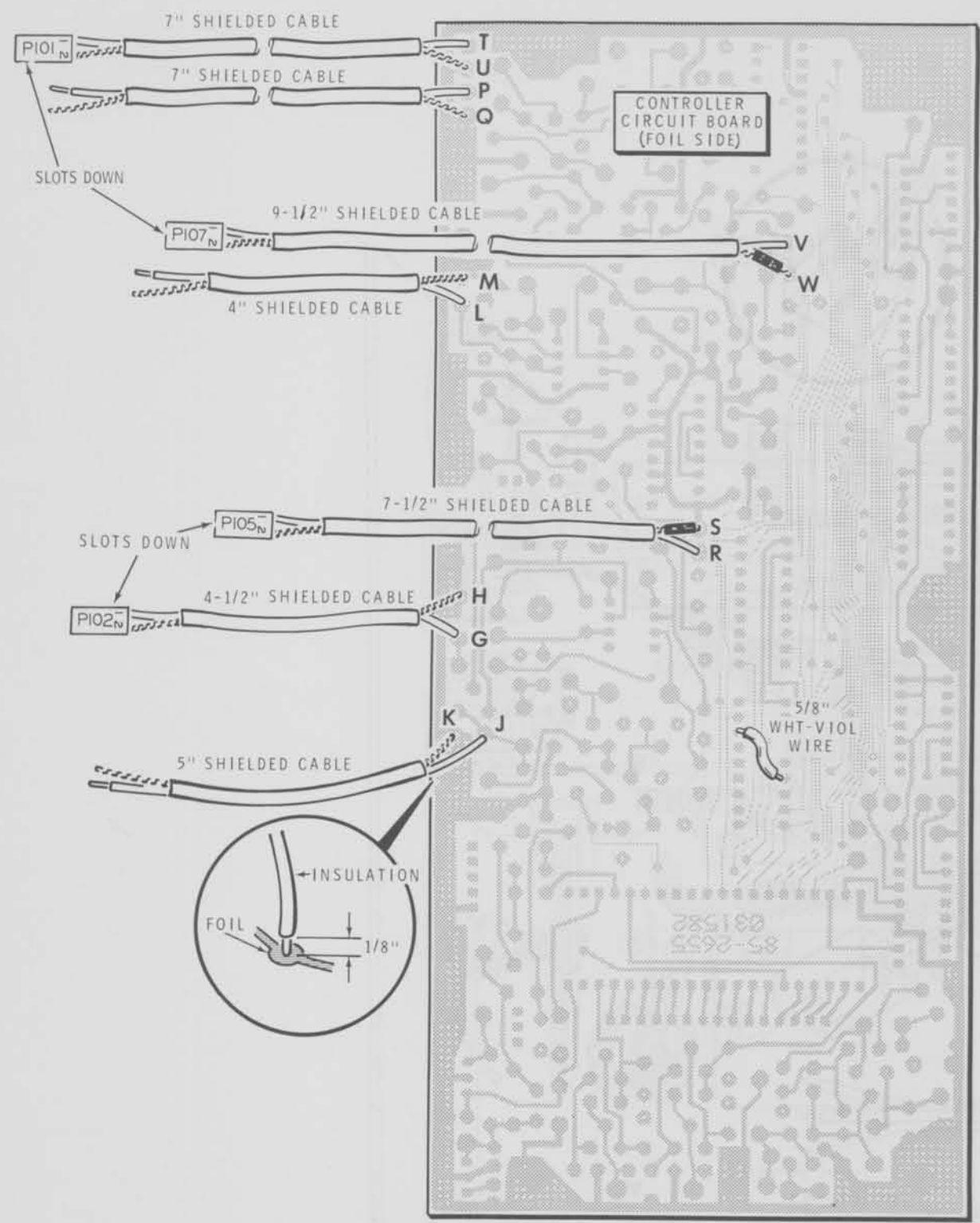




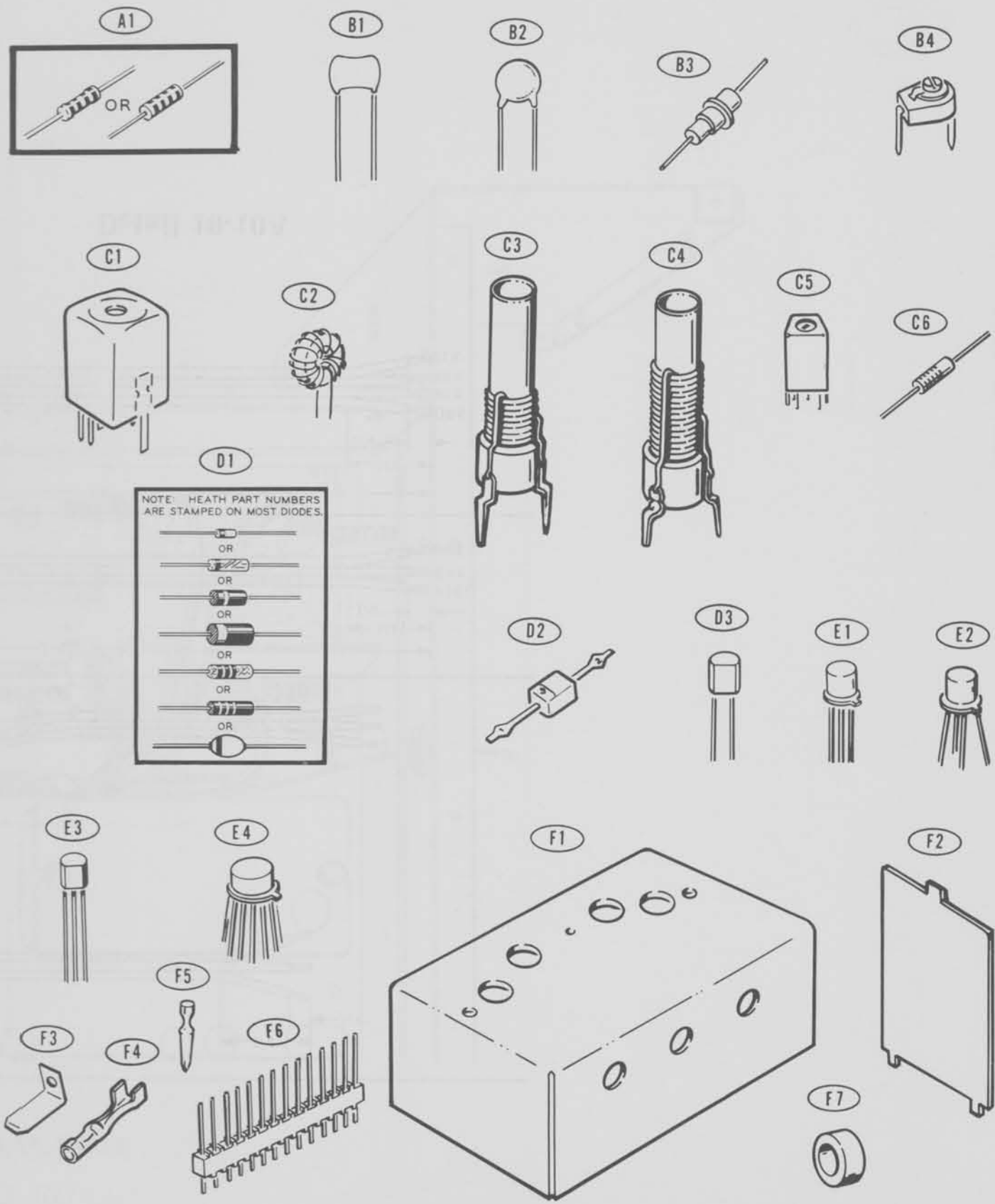
PICTORIAL 10-10



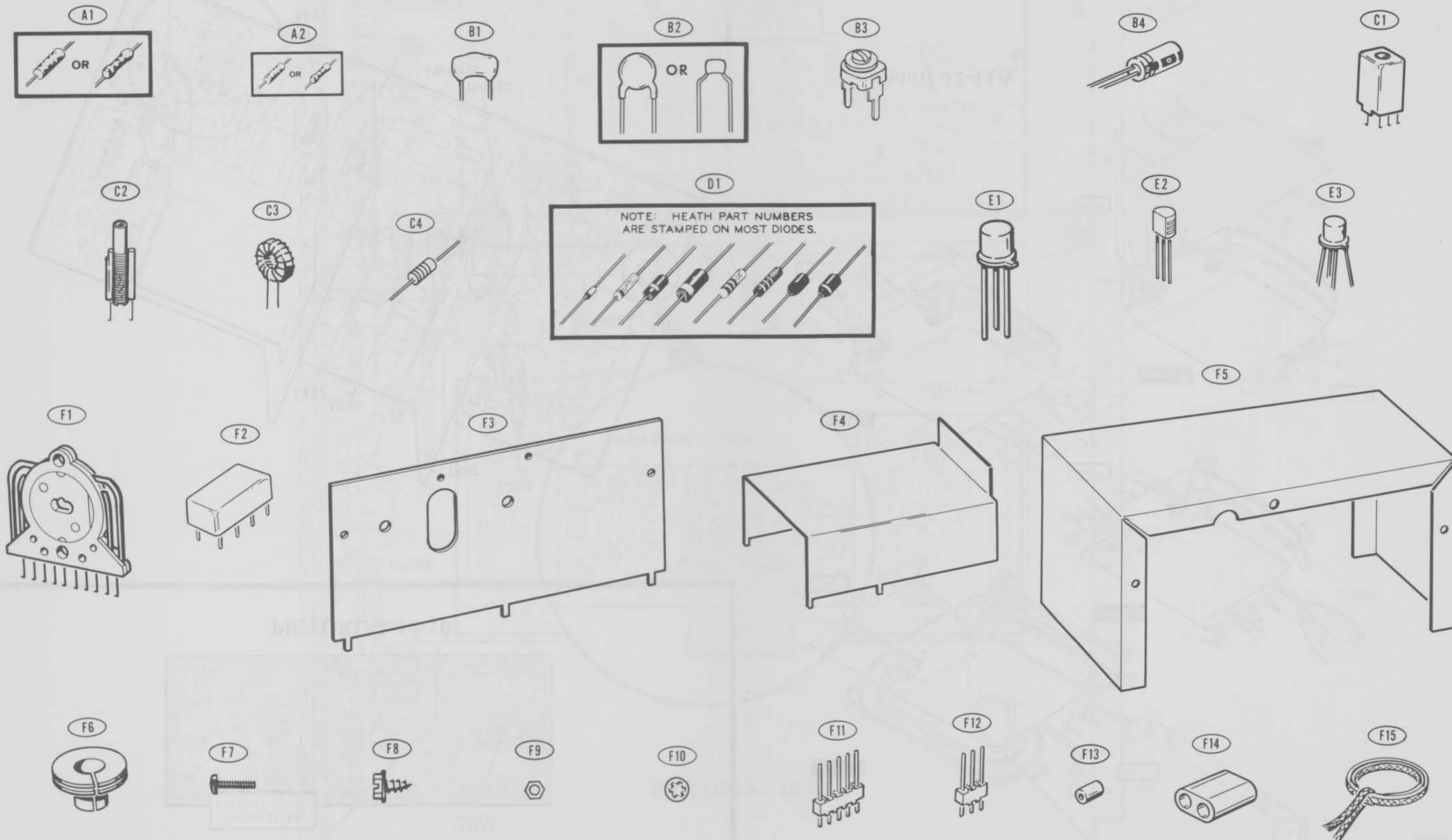
Detail 10-10A

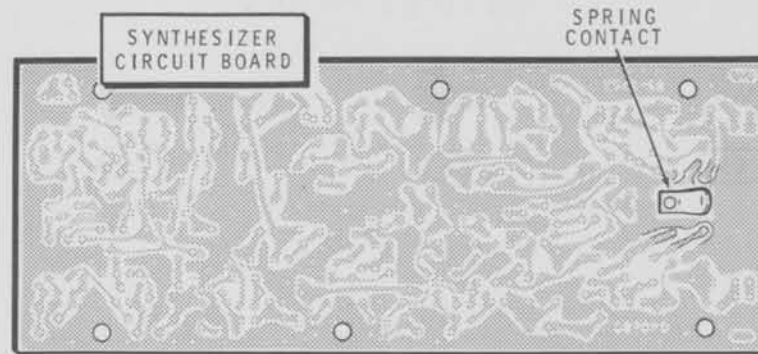


PICTORIAL 10-11

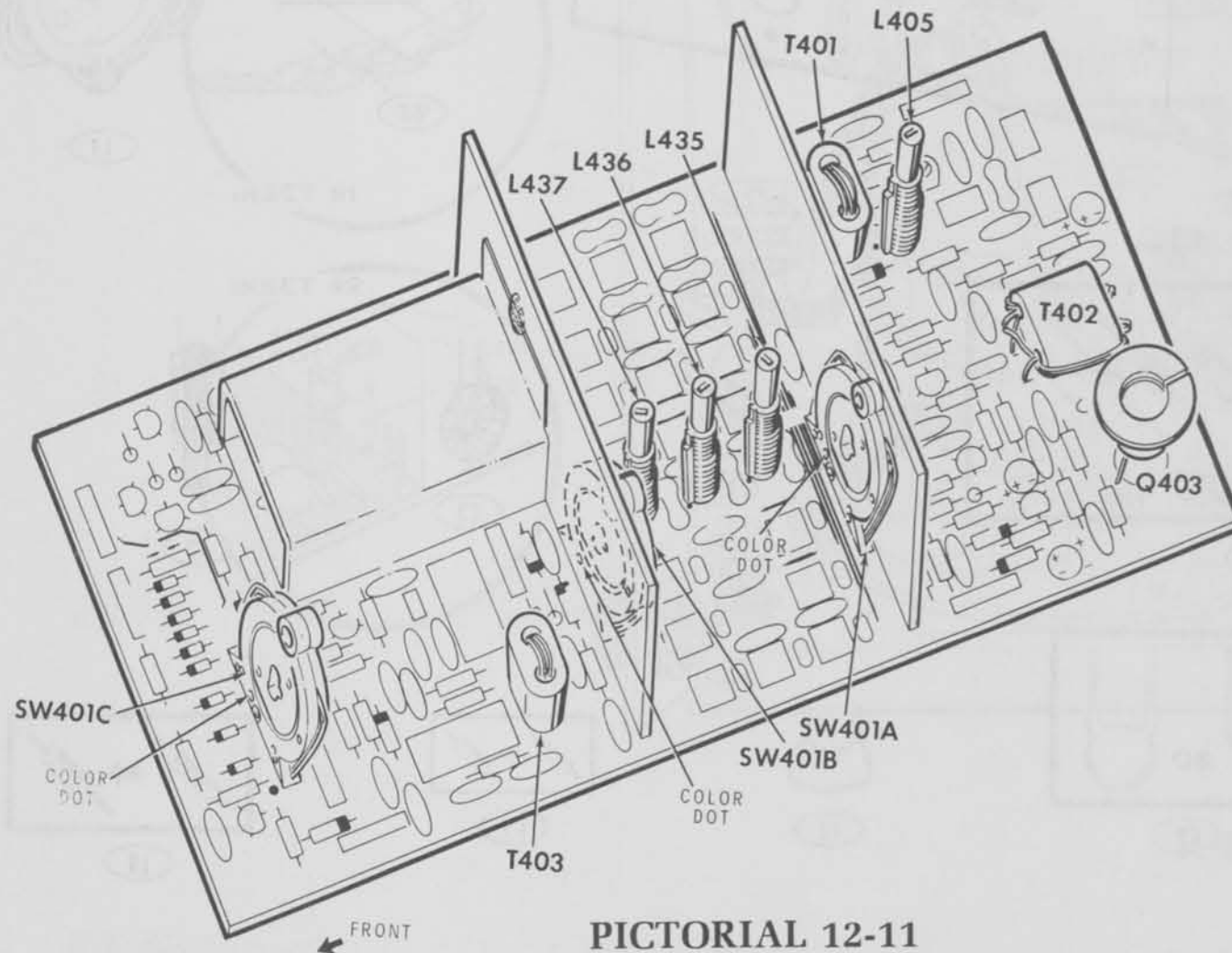


RF CIRCUIT BOARD

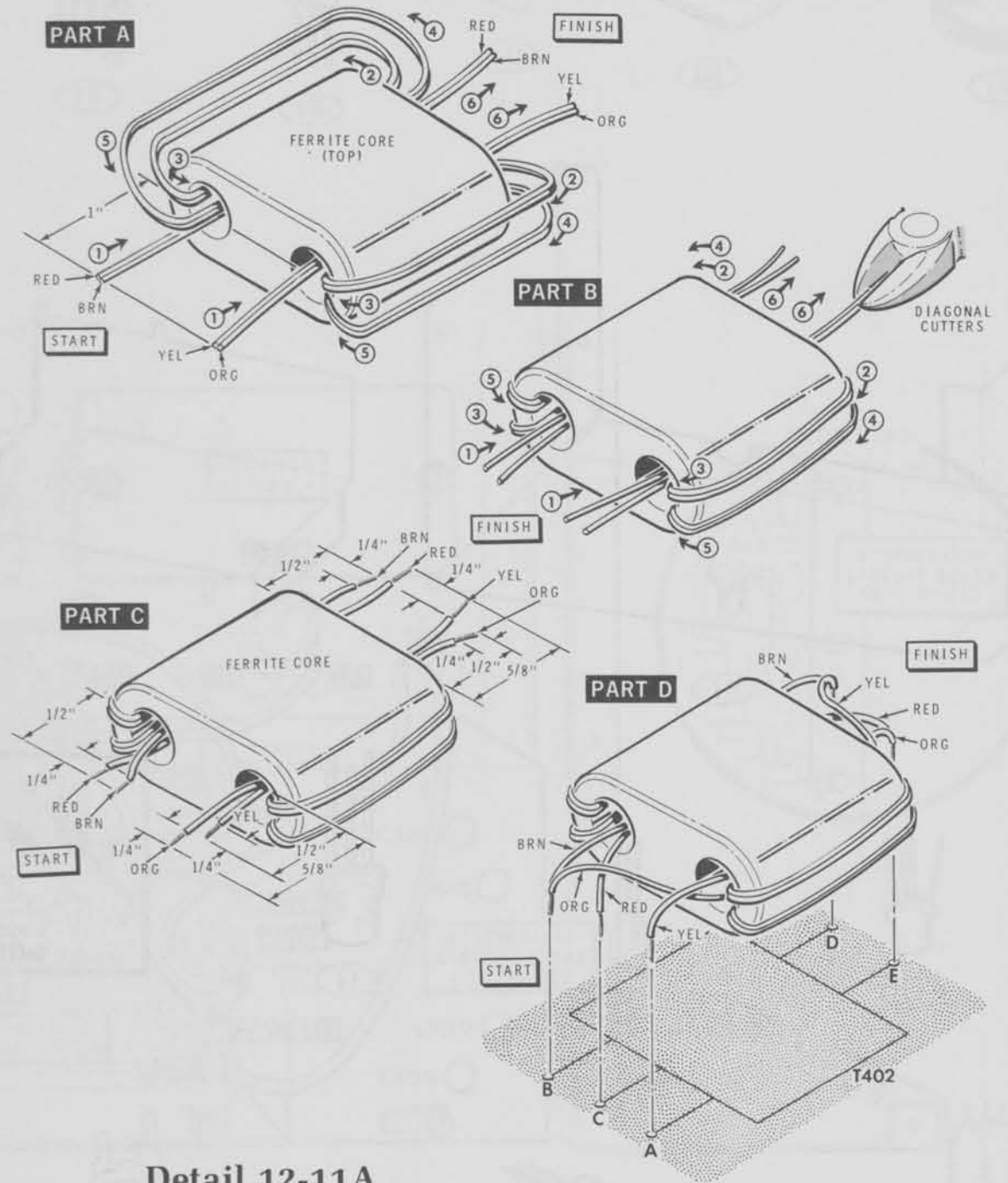




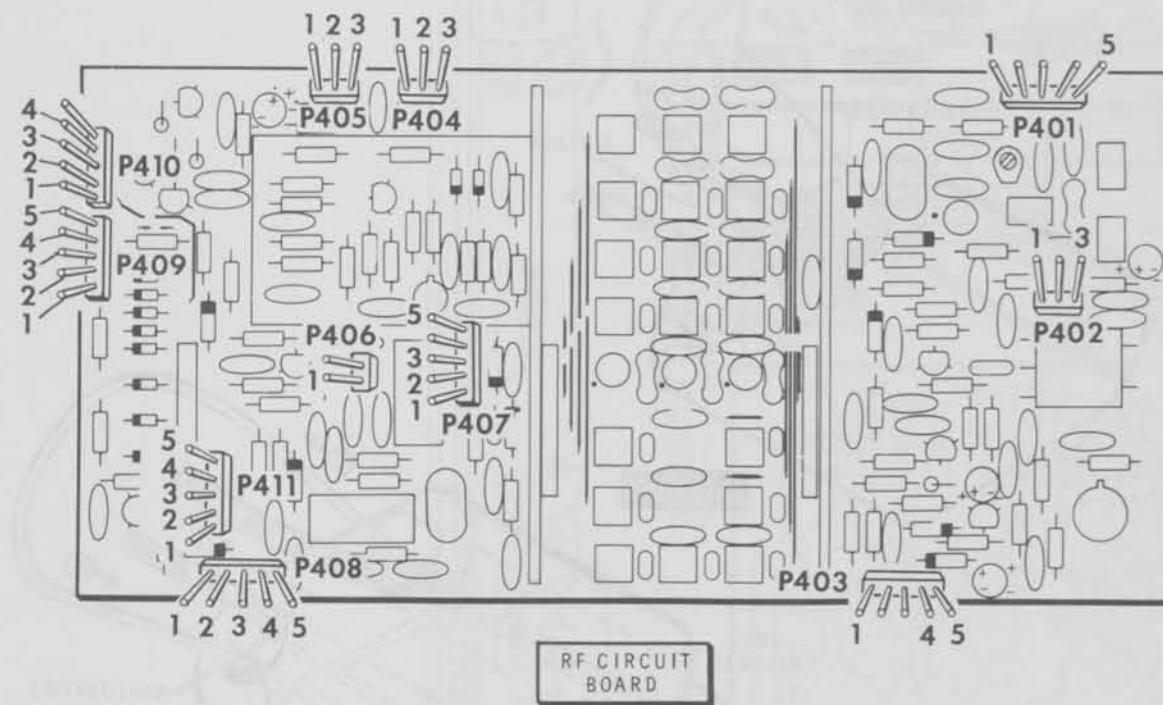
PICTORIAL 11-10



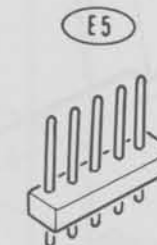
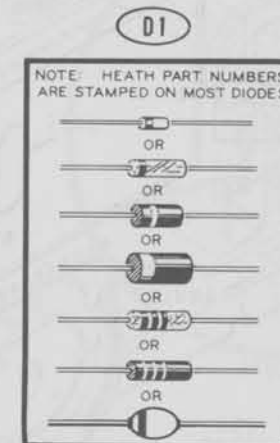
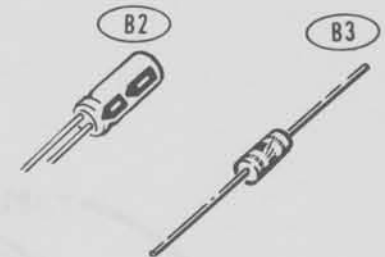
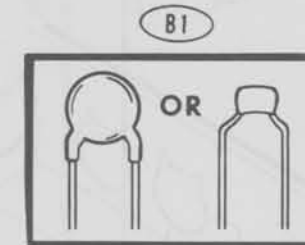
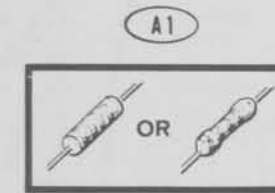
PICTORIAL 12-11



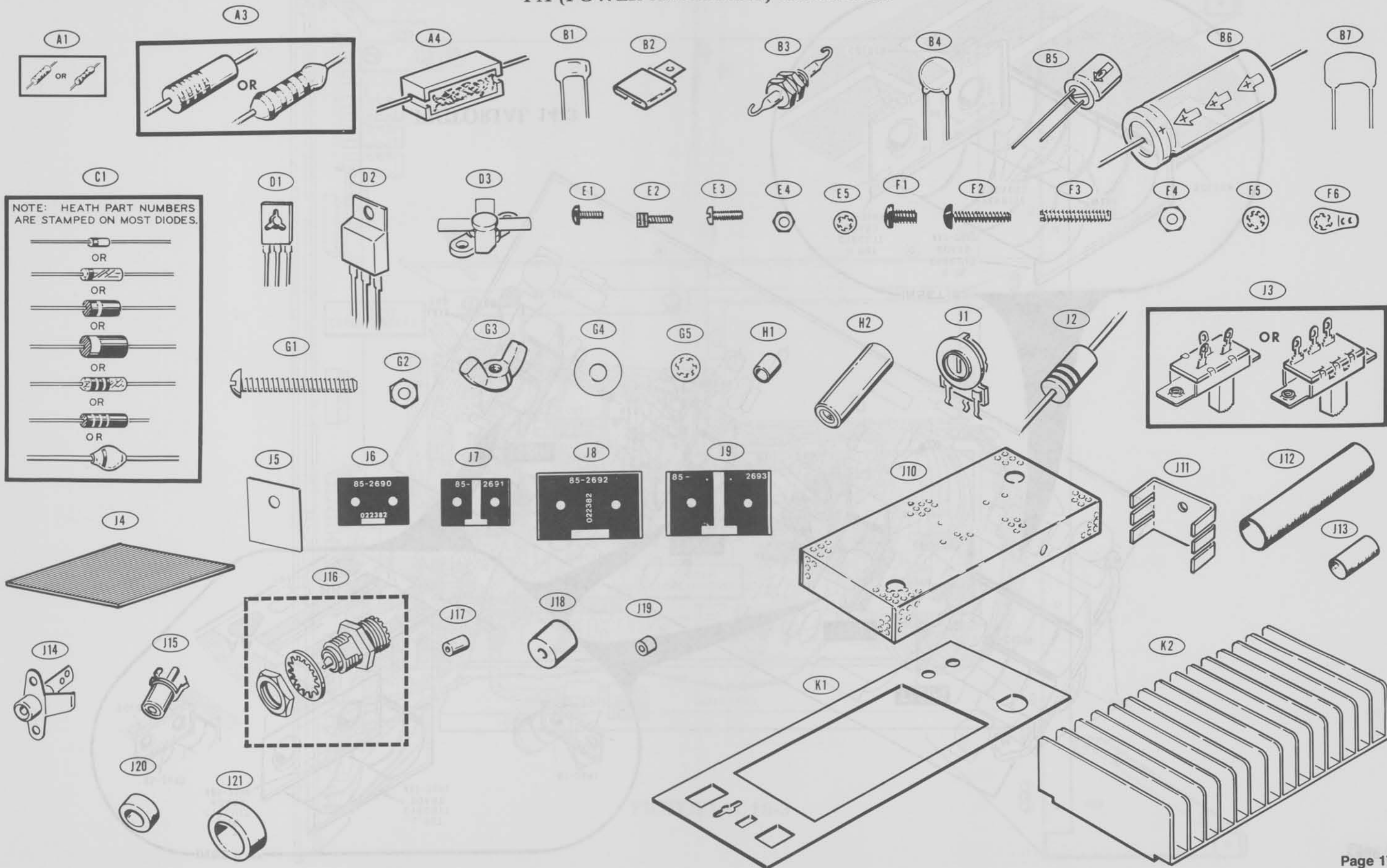
Detail 12-11A

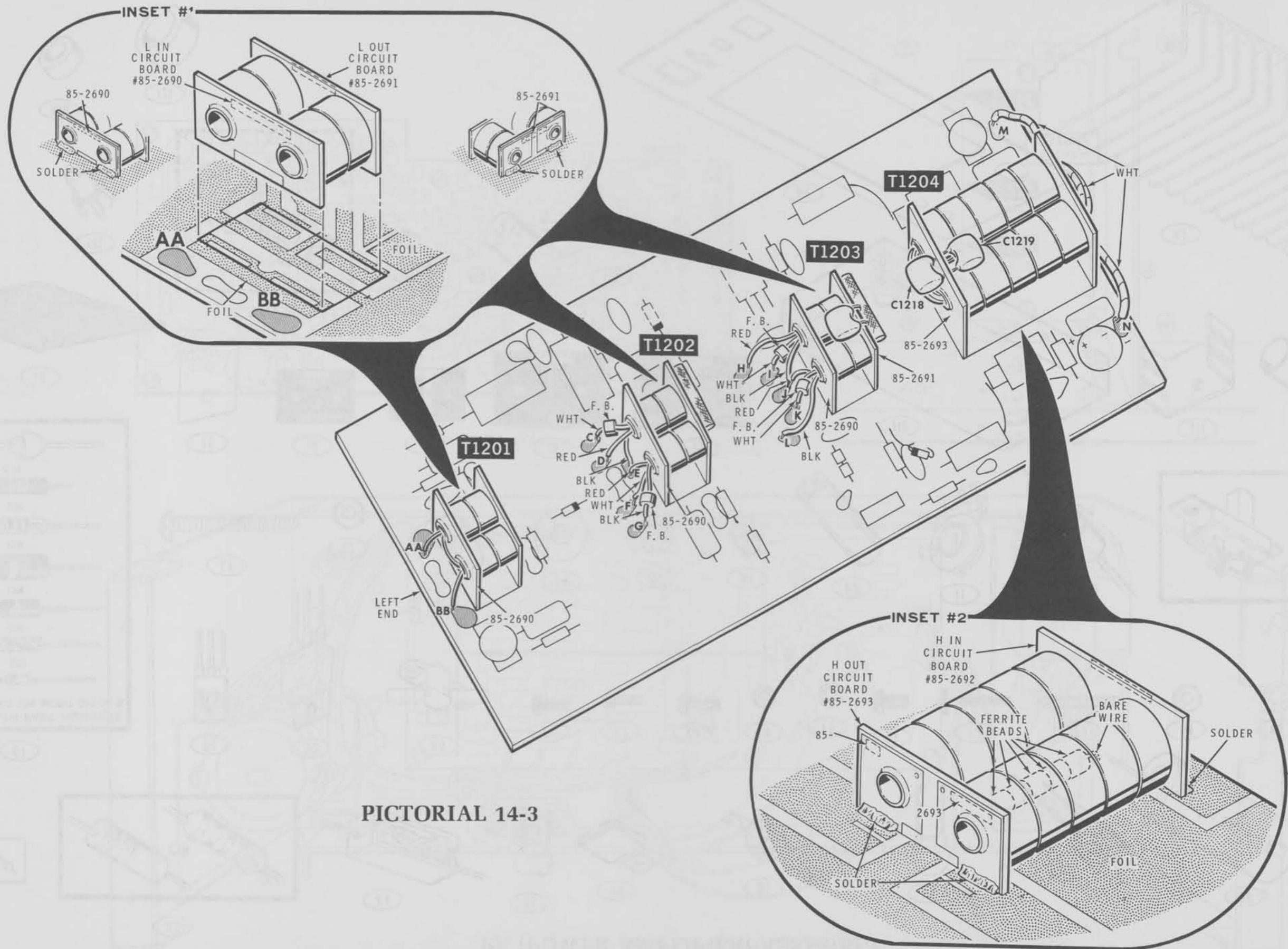


PICTORIAL 12-12

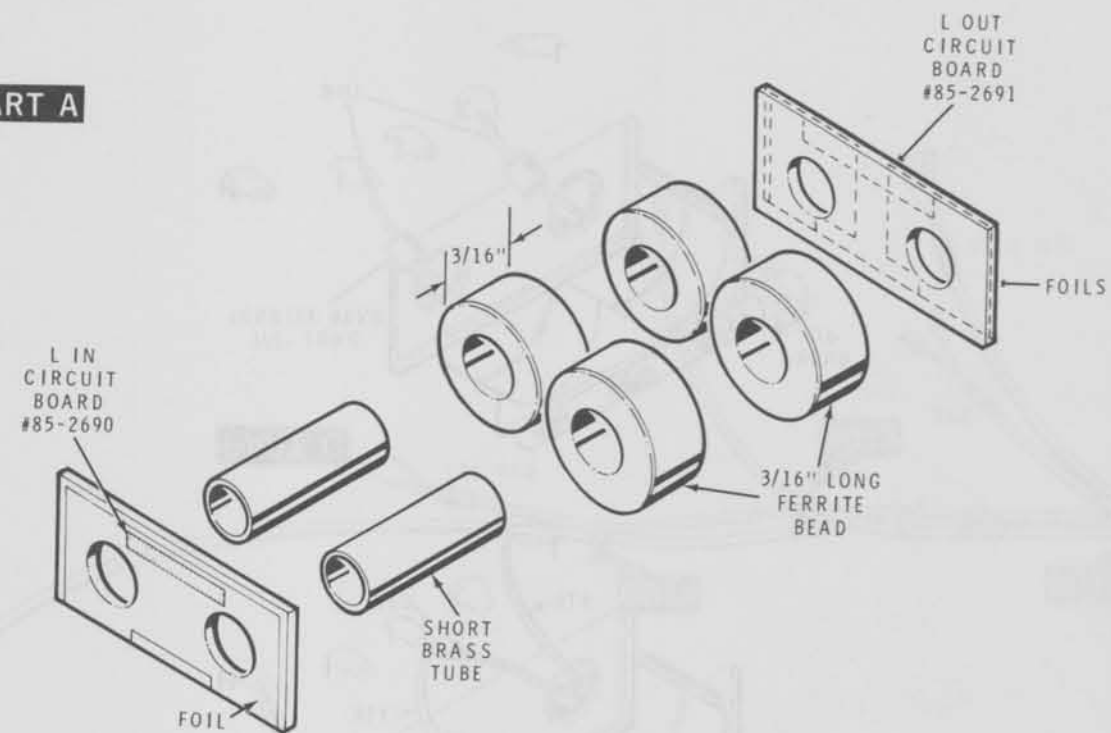


PA (POWER AMPLIFIER) ASSEMBLY

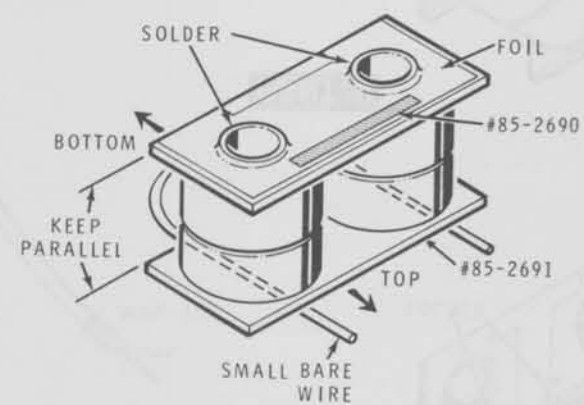




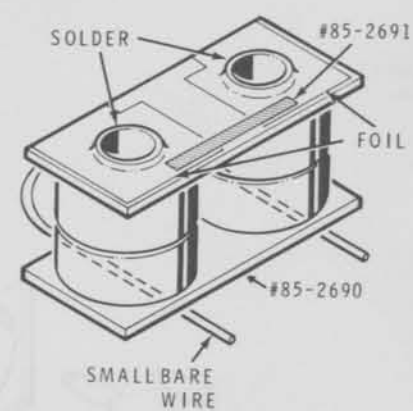
PART A



PART B

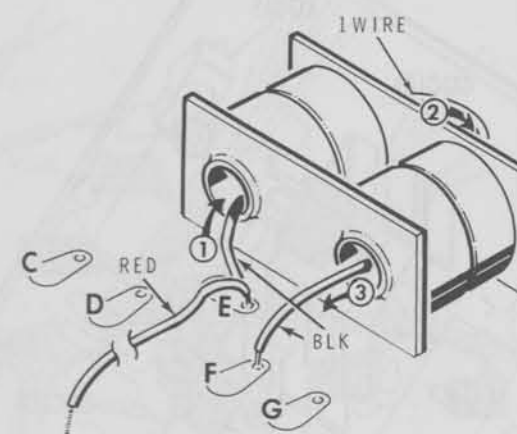


PART C

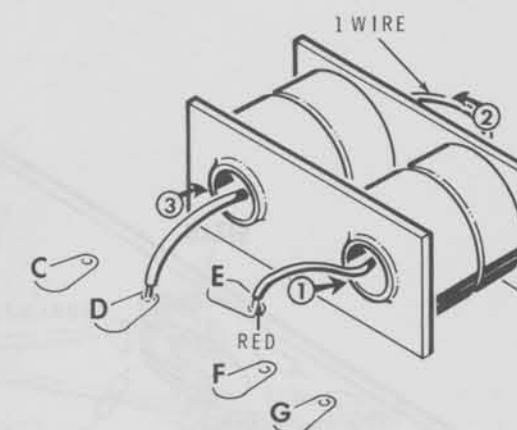


Detail 14-3A

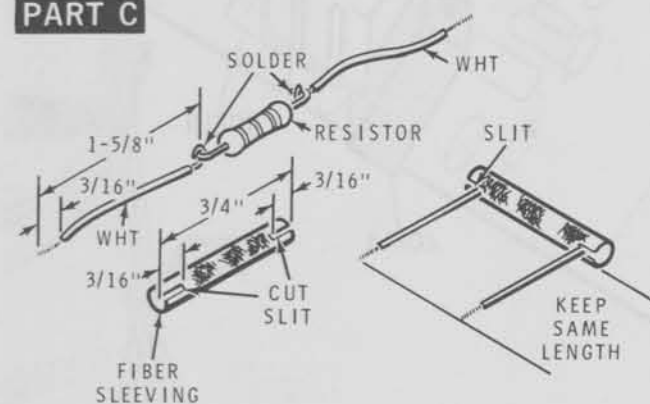
PART A



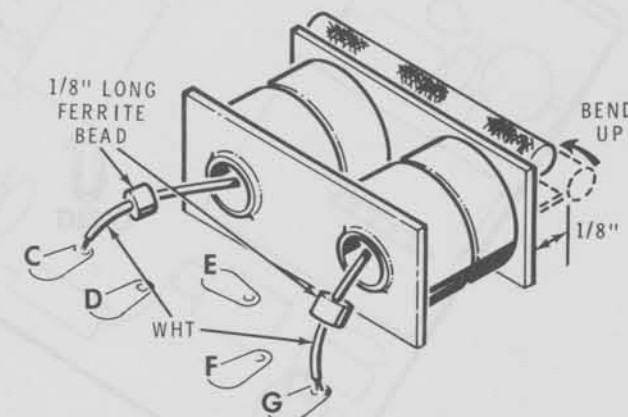
PART B



PART C

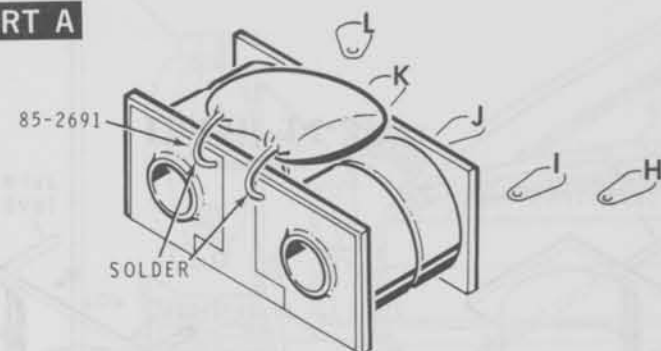


PART D

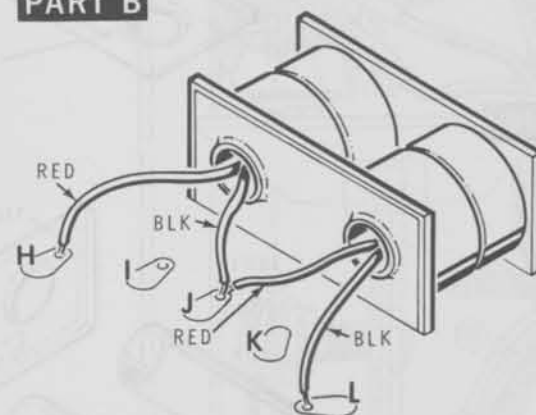


Detail 14-3D

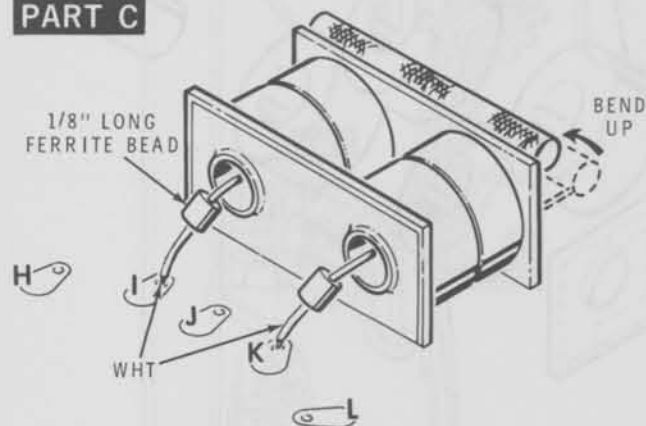
PART A



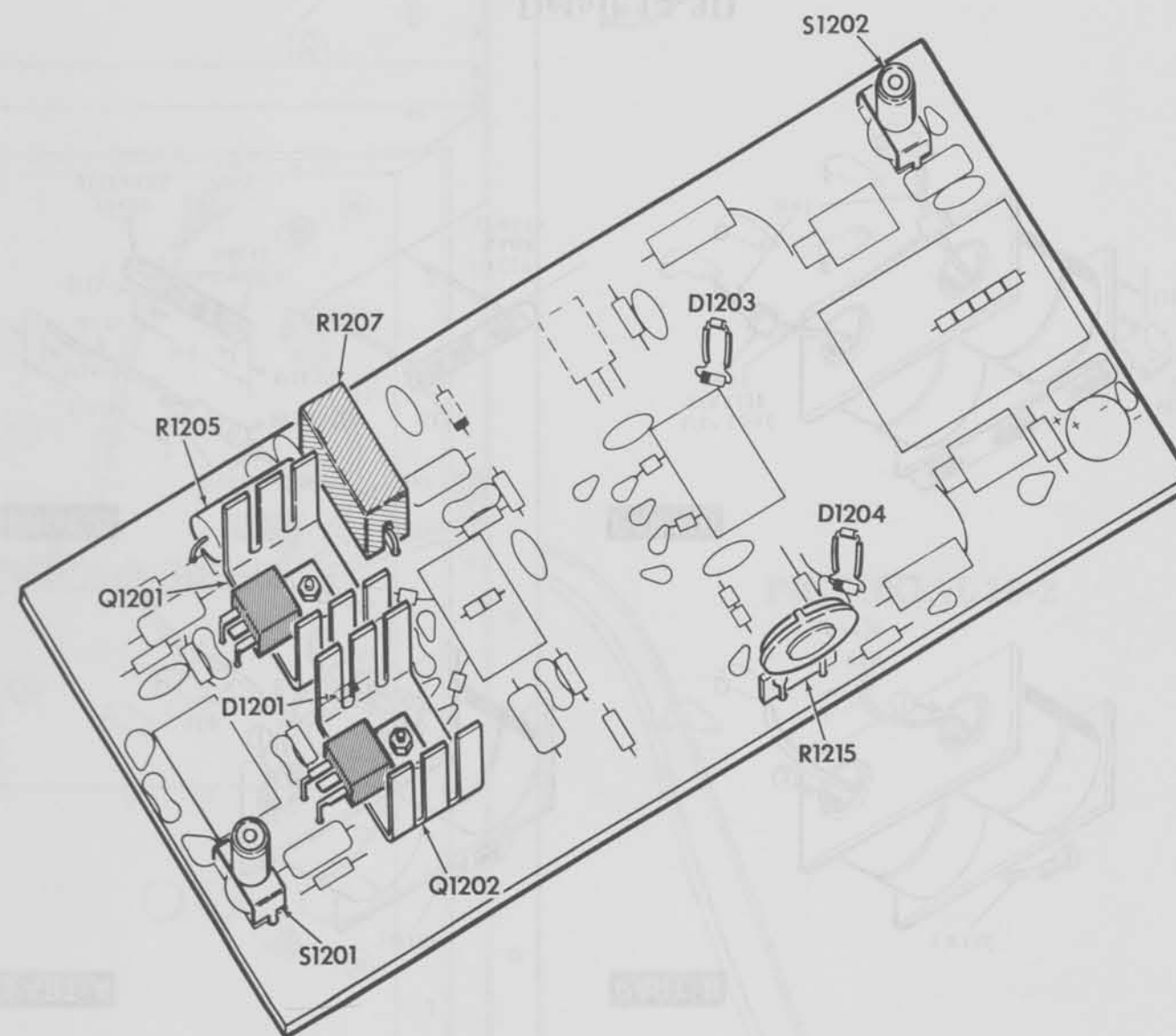
PART B



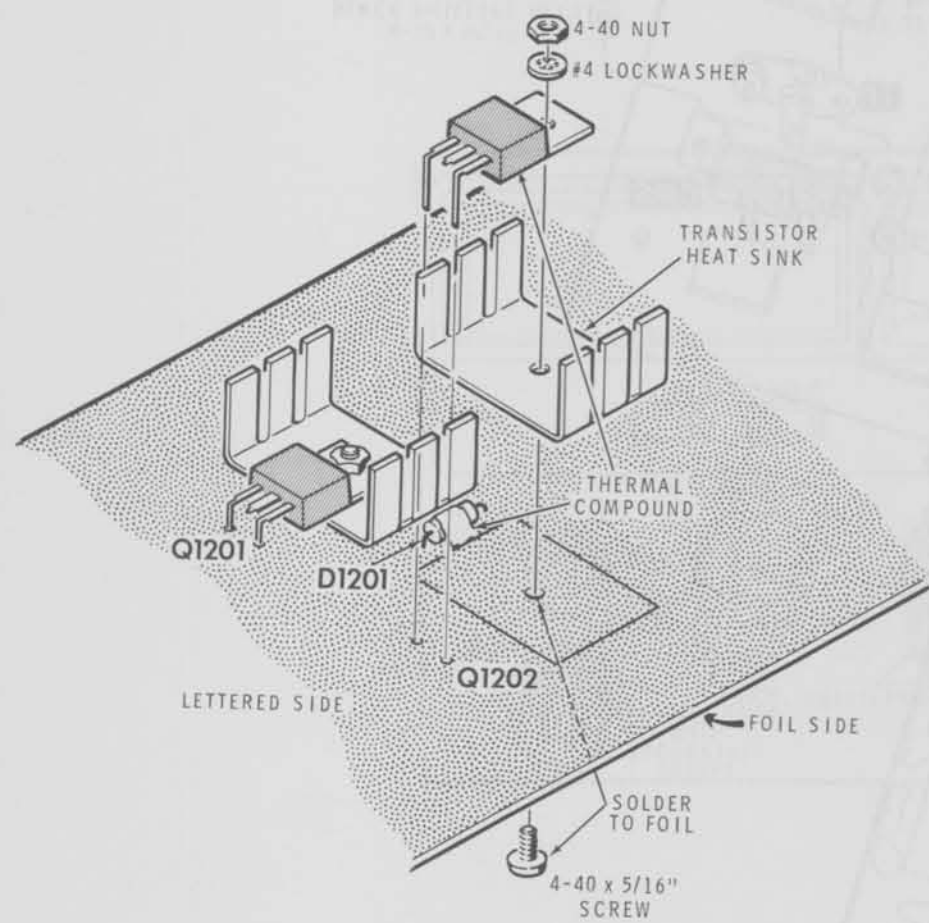
PART C



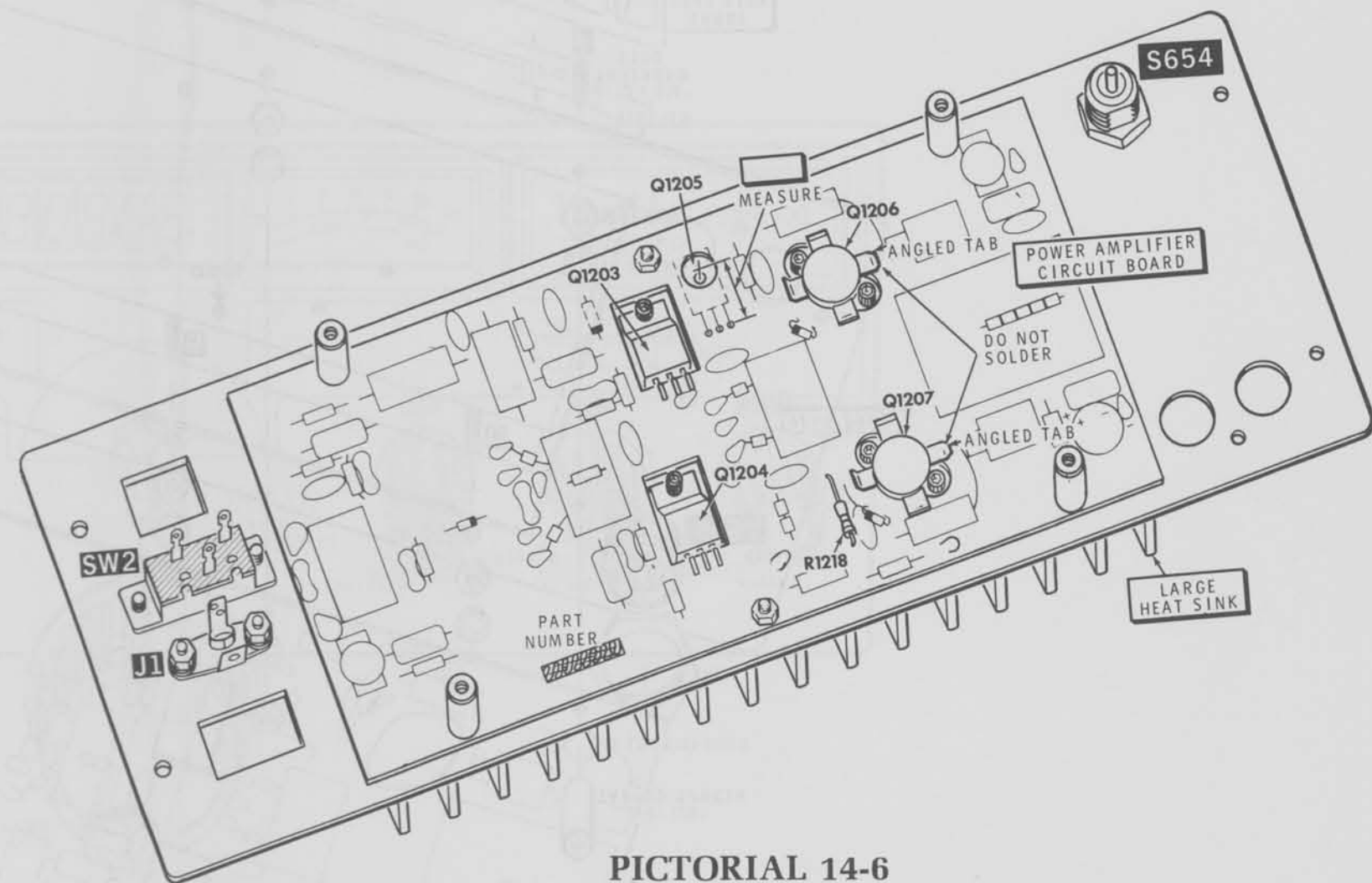
Detail 14-3E



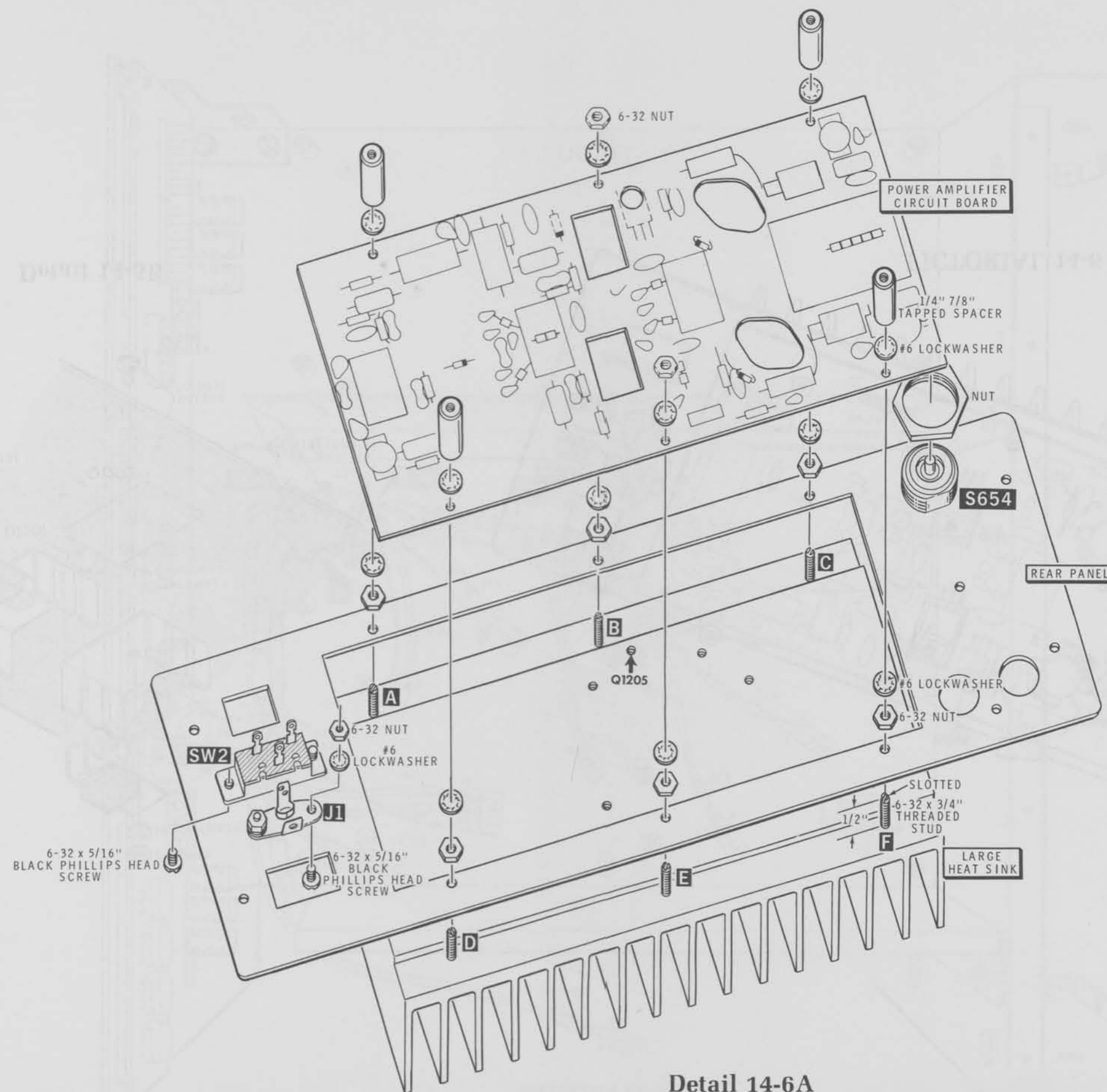
PICTORIAL 14-5



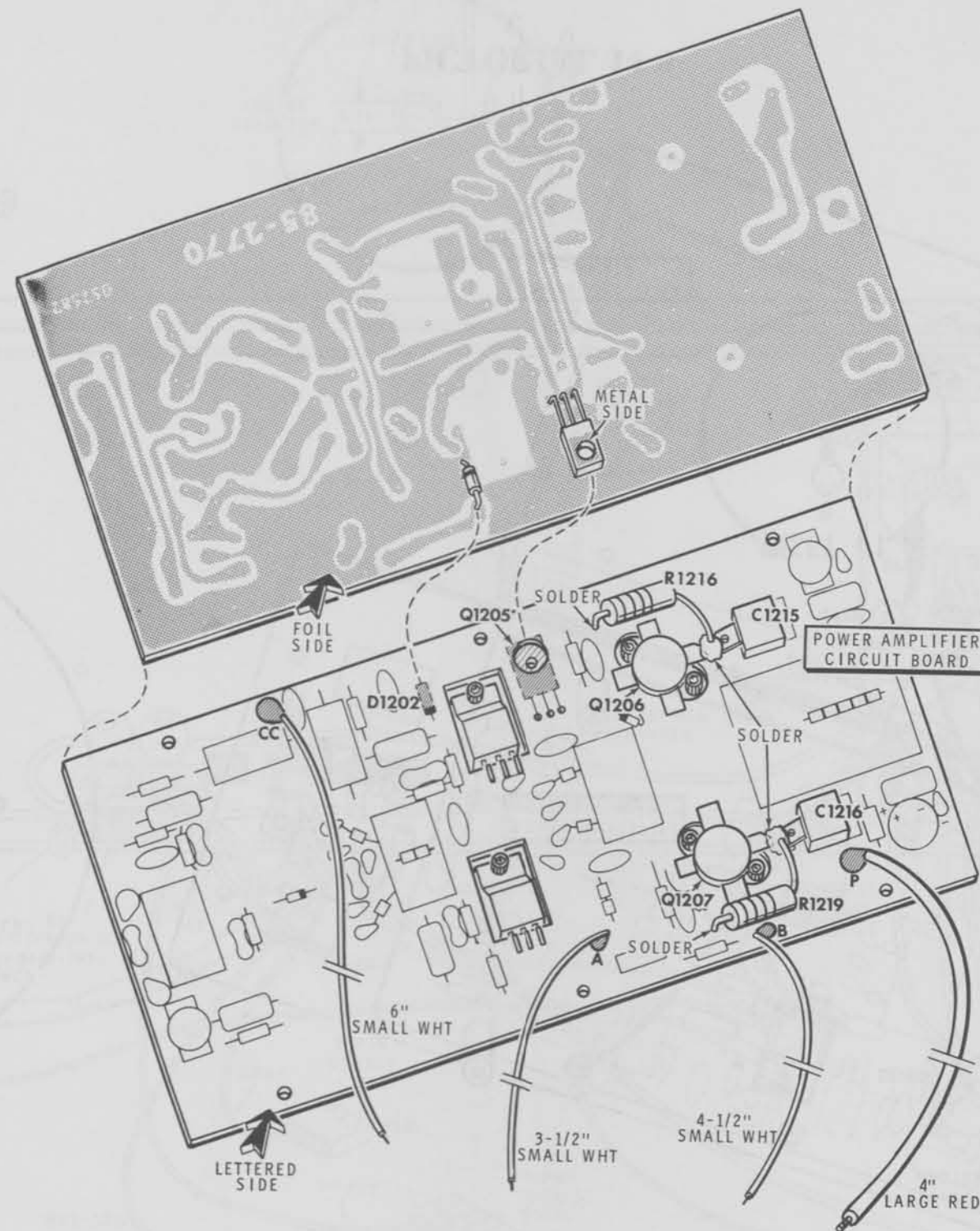
Detail 14-5B



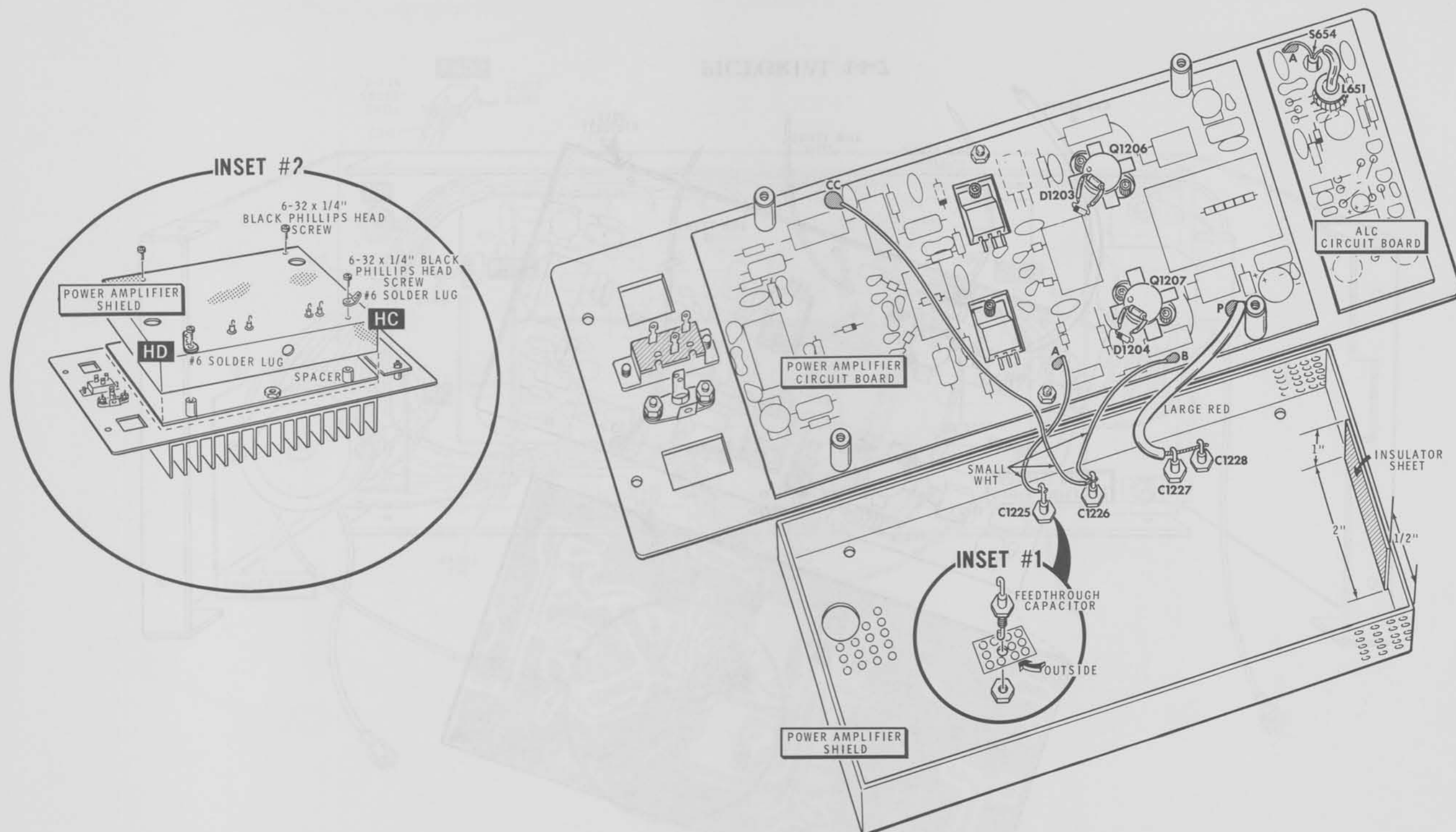
PICTORIAL 14-6



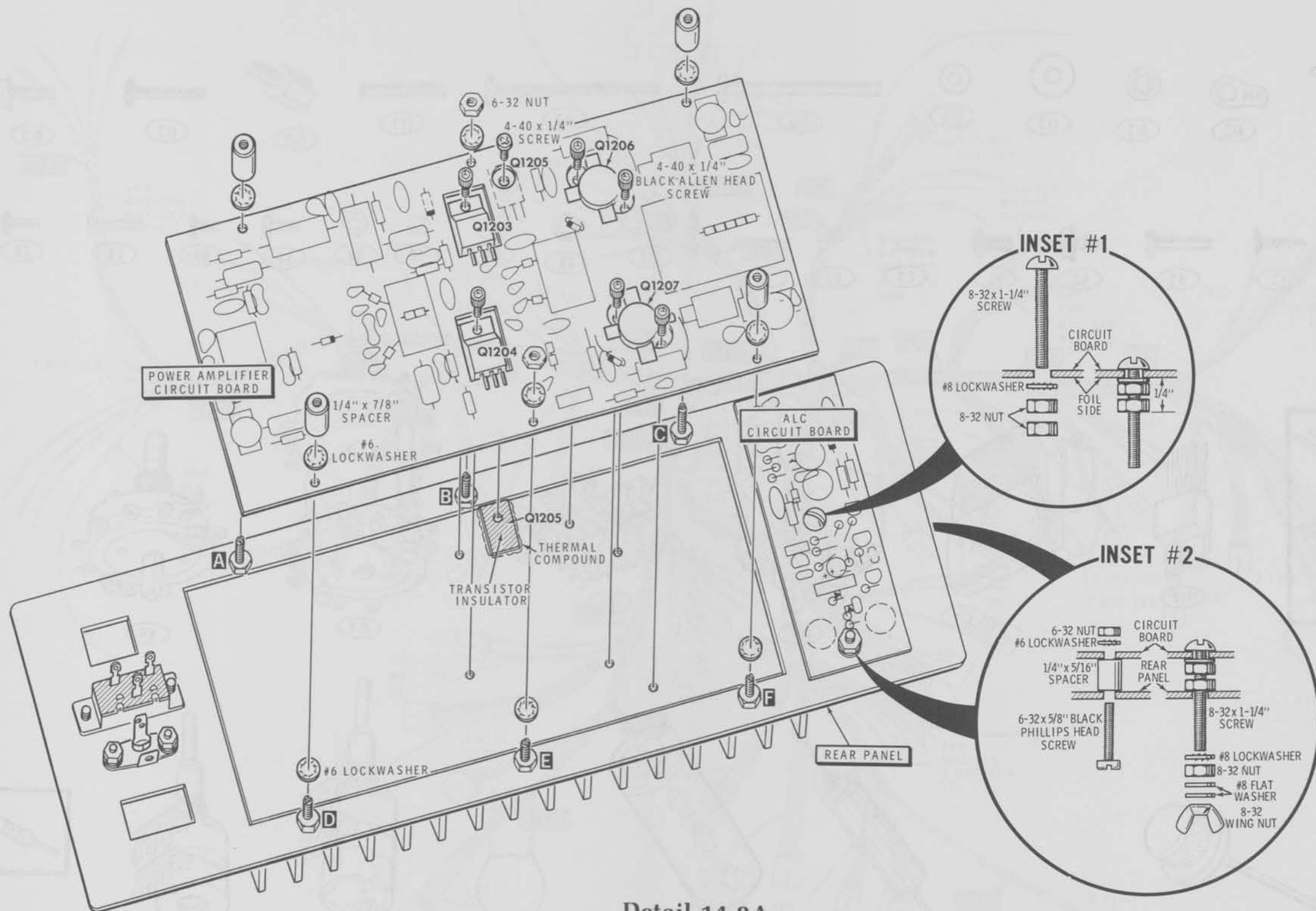
Detail 14-6A



PICTORIAL 14-7

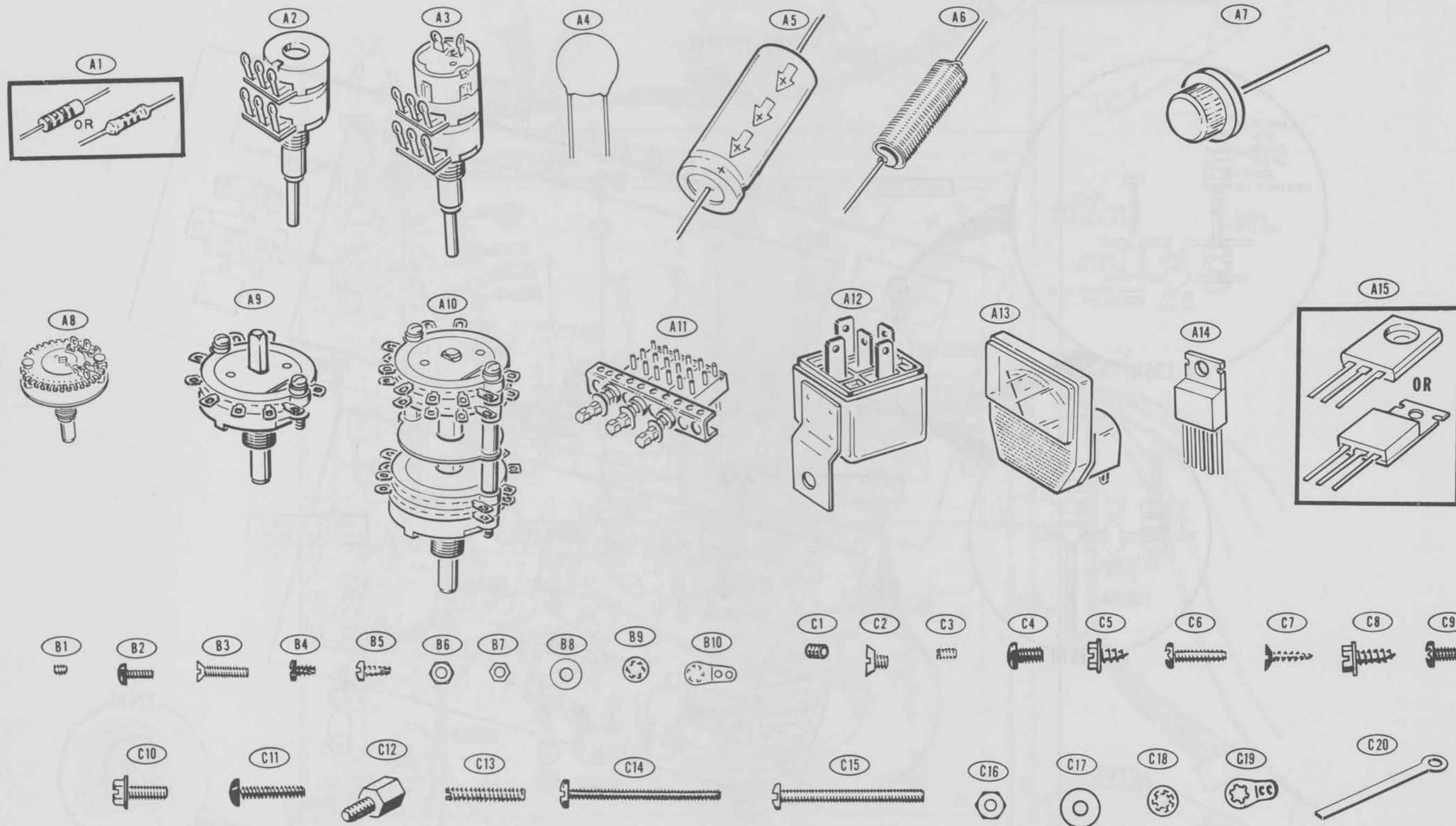


PICTORIAL 14-8

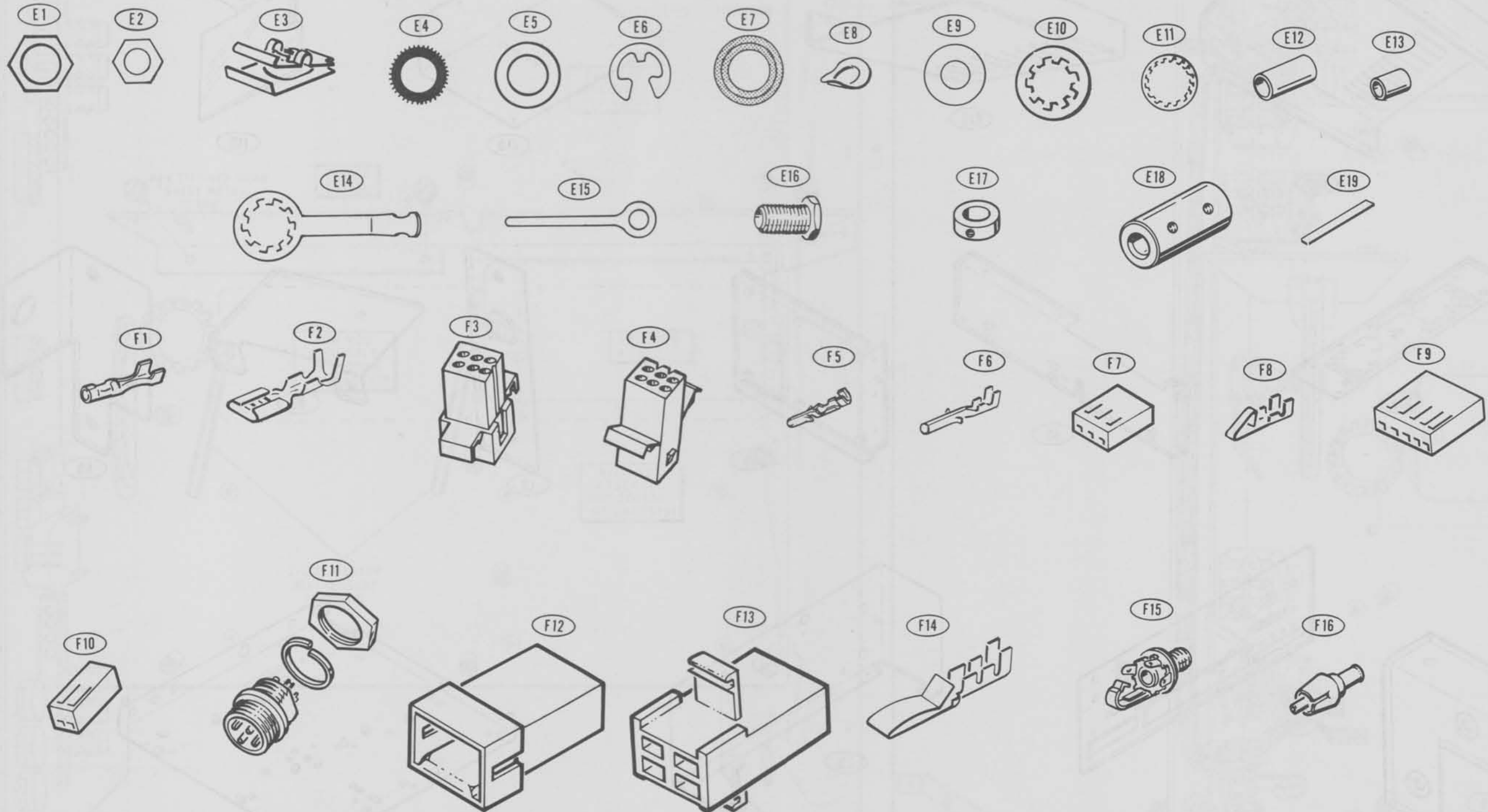


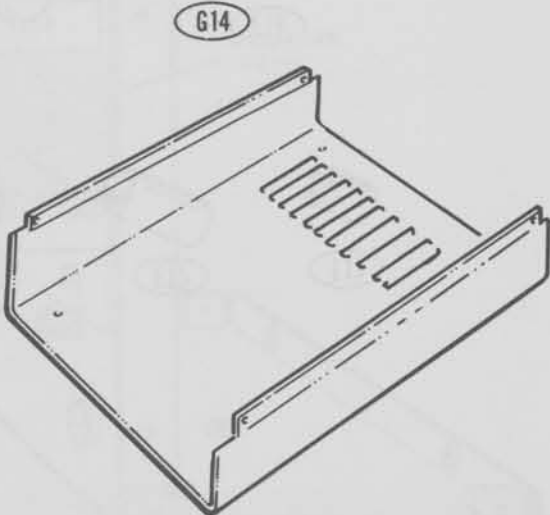
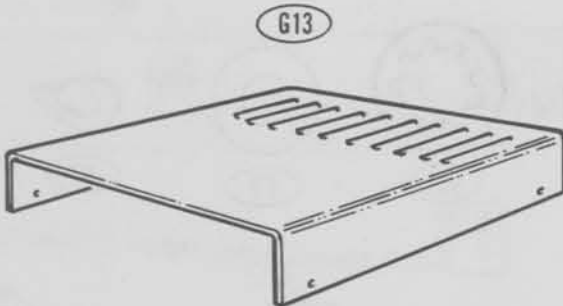
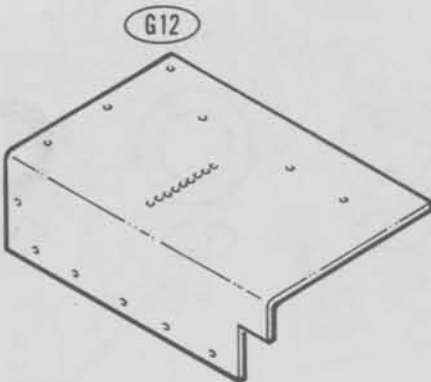
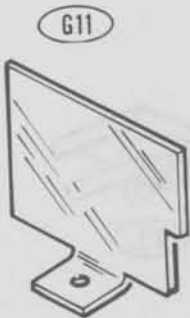
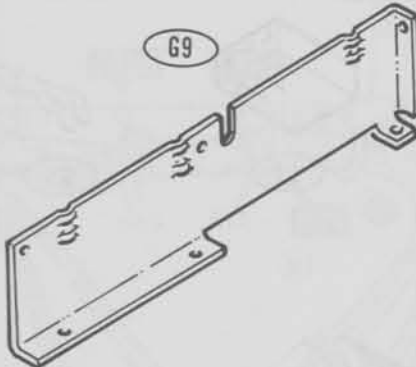
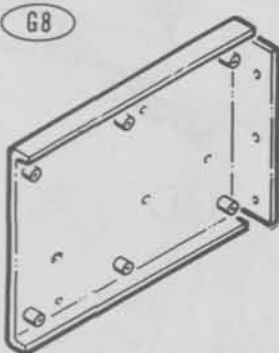
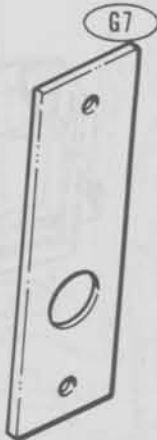
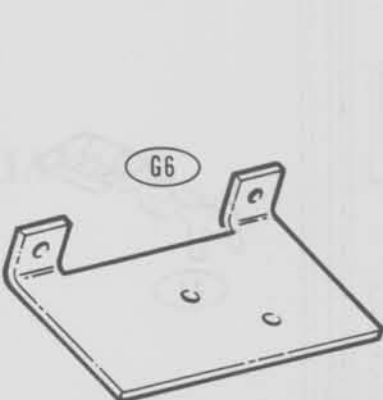
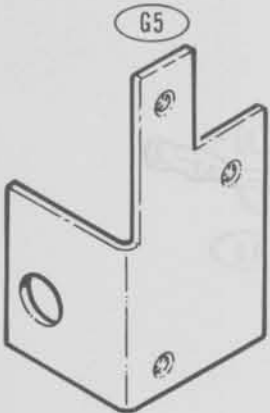
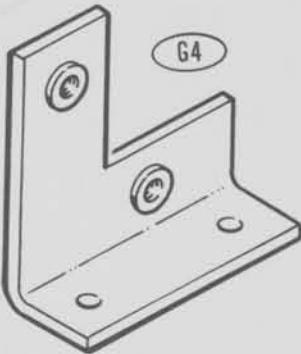
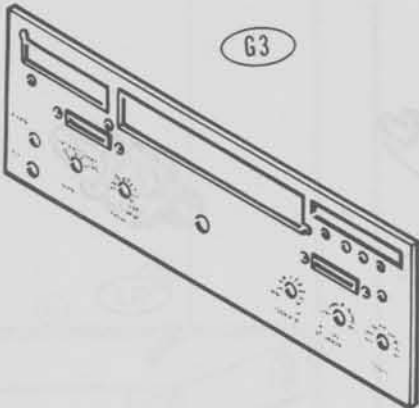
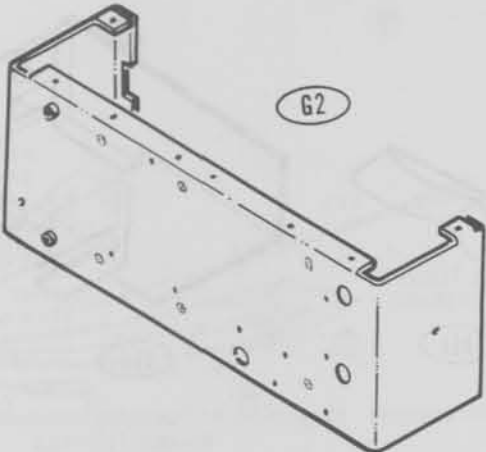
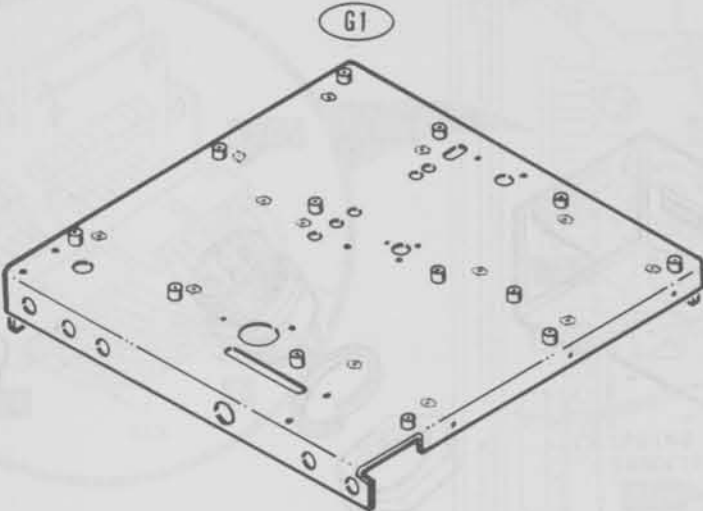
Detail 14-8A

CHASSIS PARTS PICTORIAL

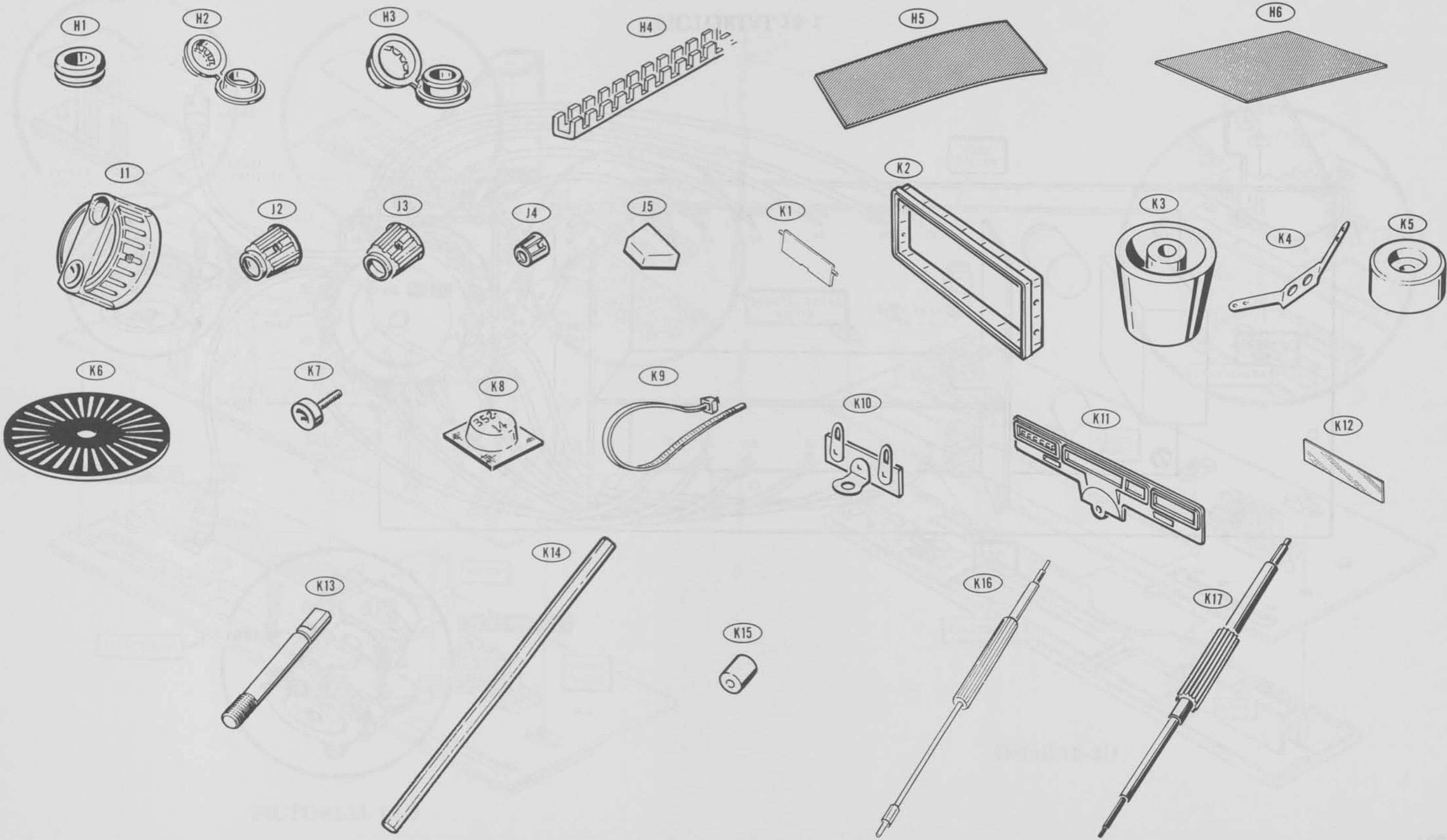


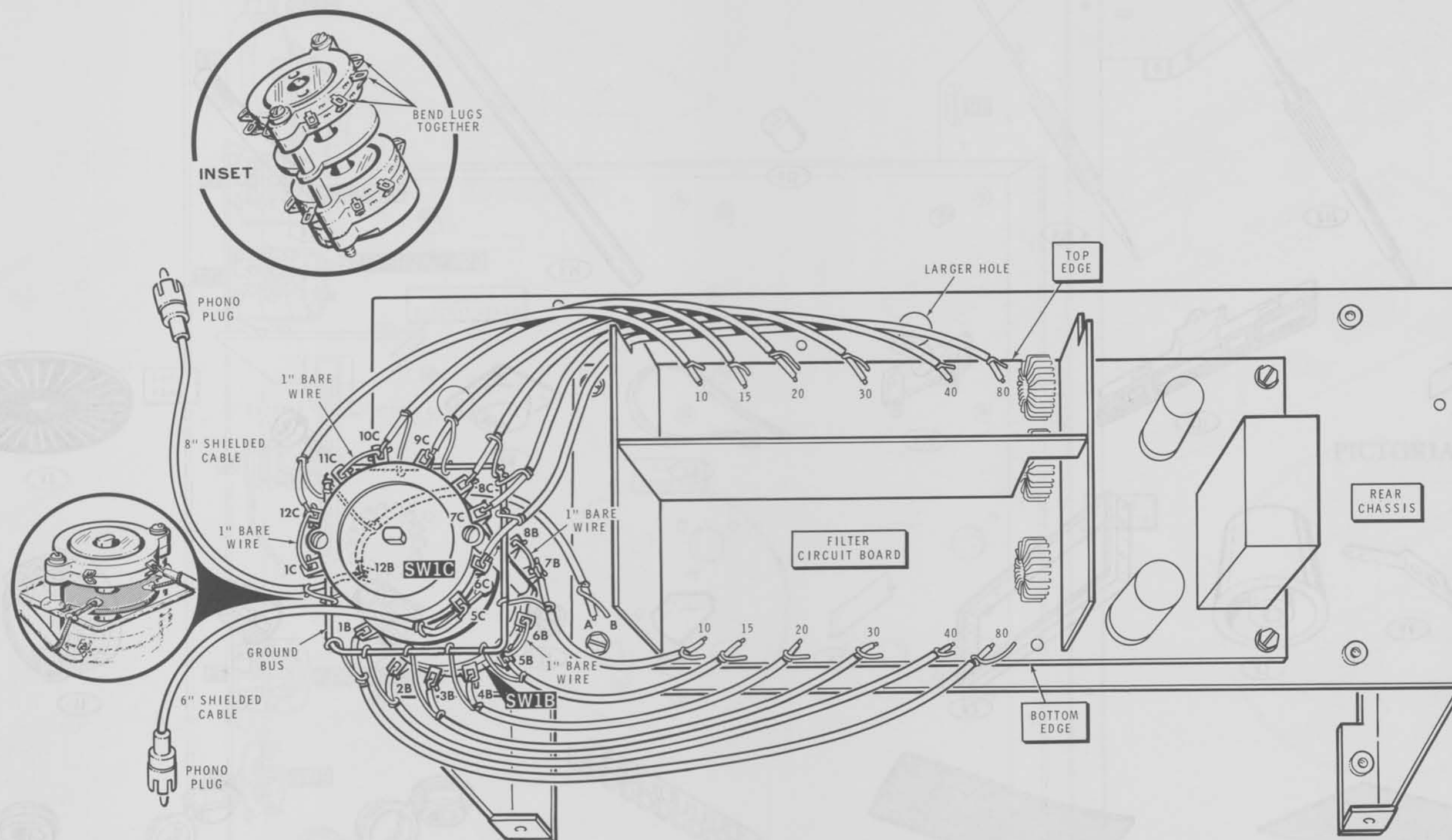
Chassis Parts Pictorial (Cont'd.)



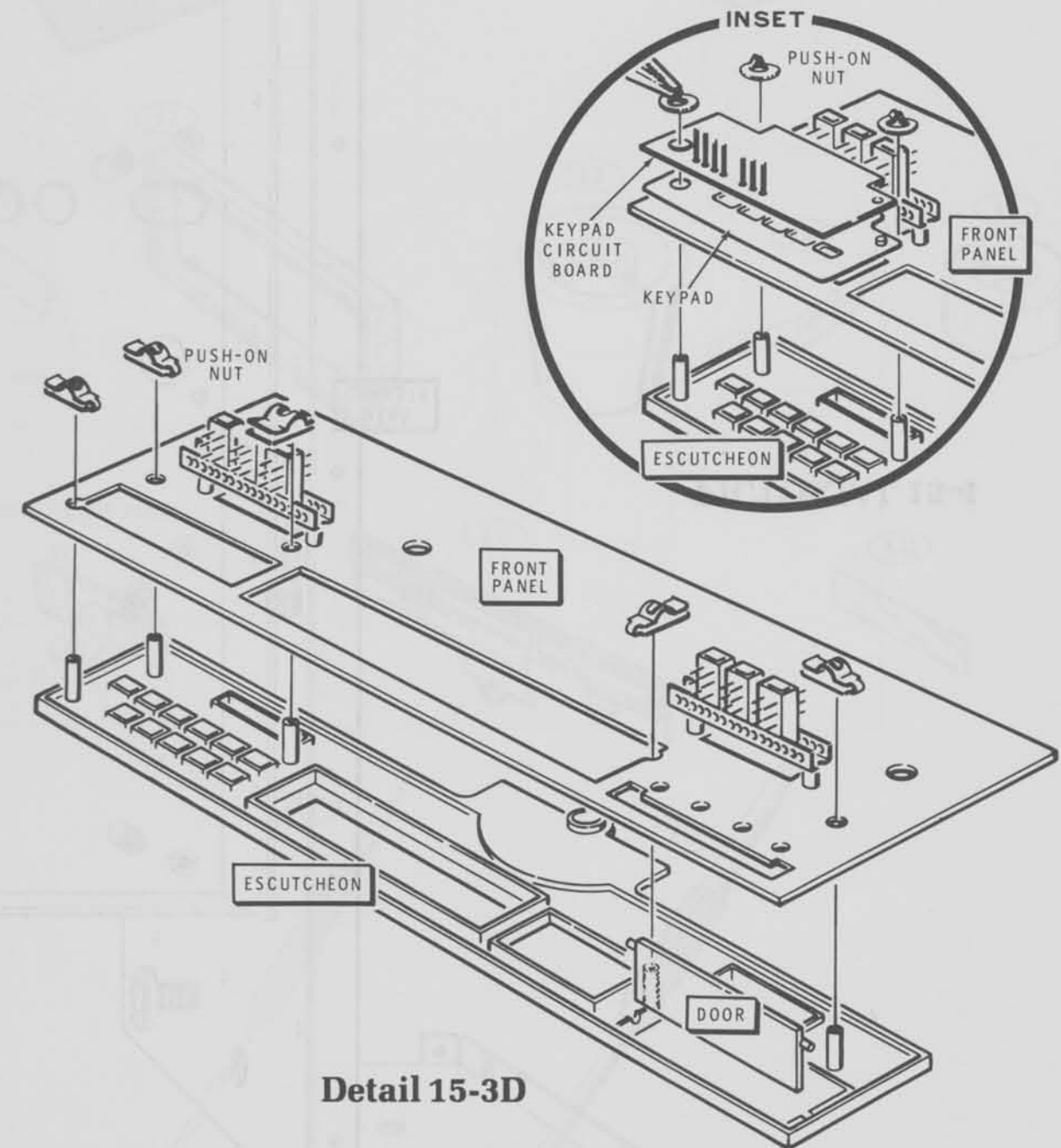
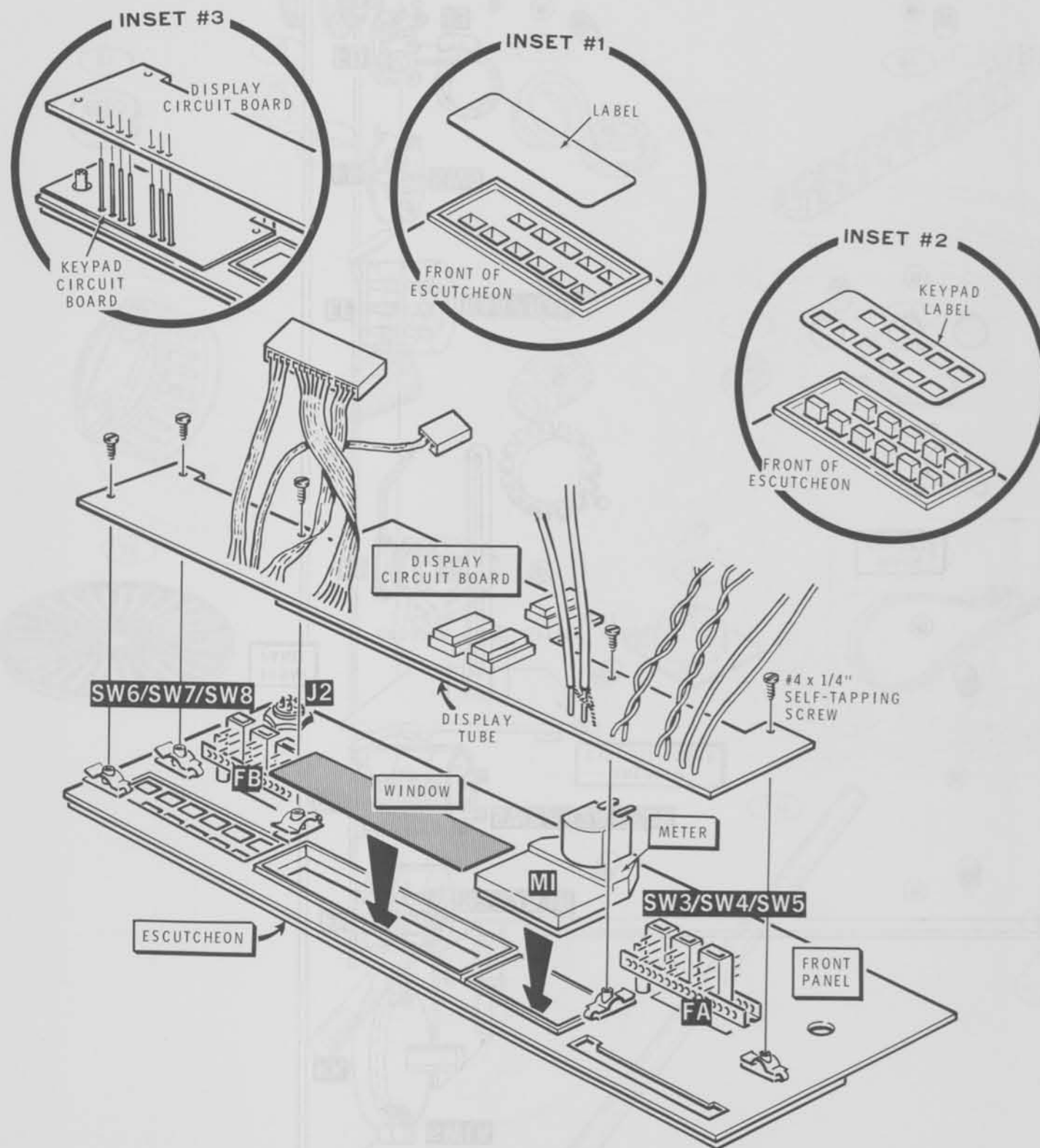


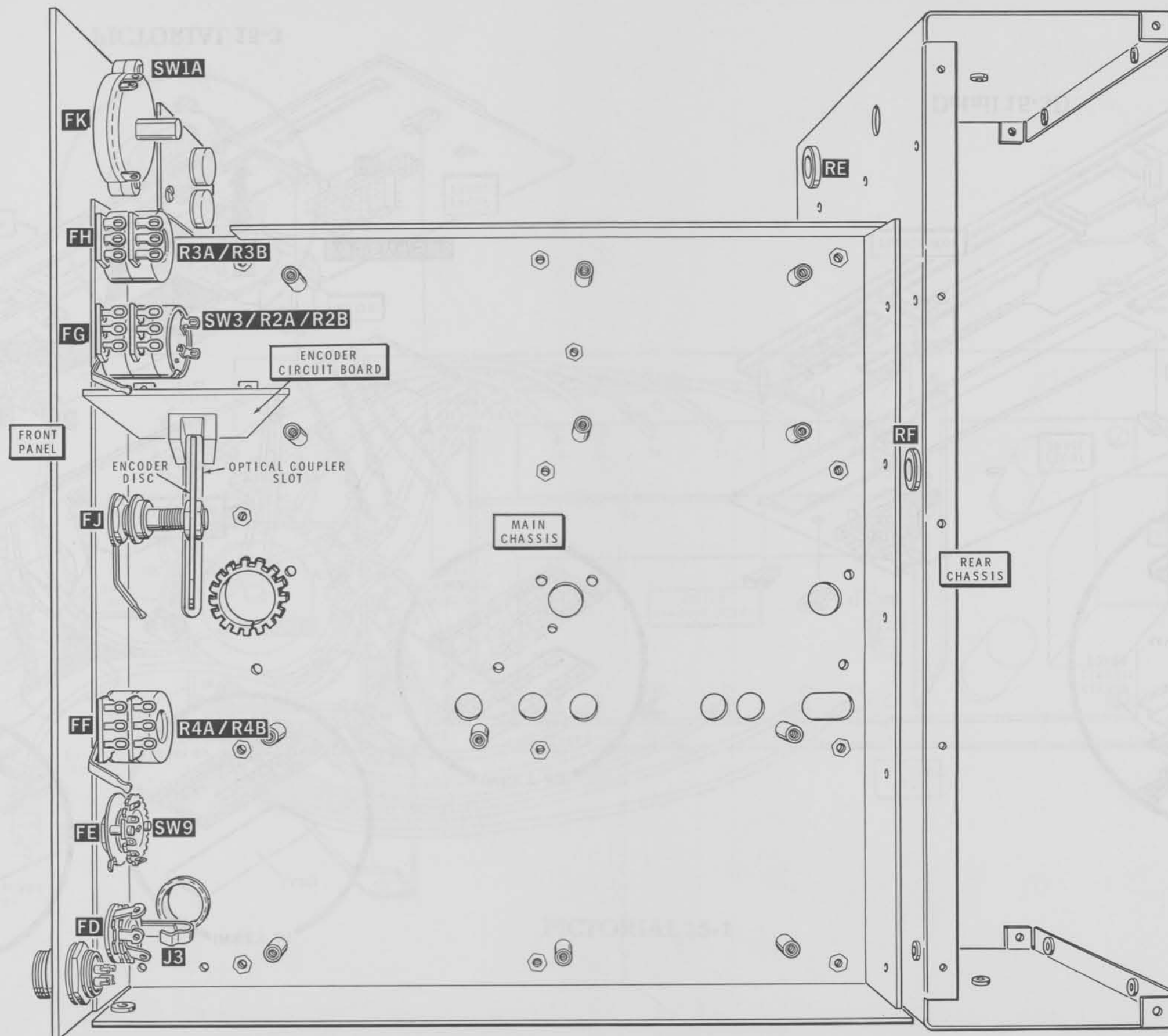
Chassis Parts Pictorial (Cont'd.)



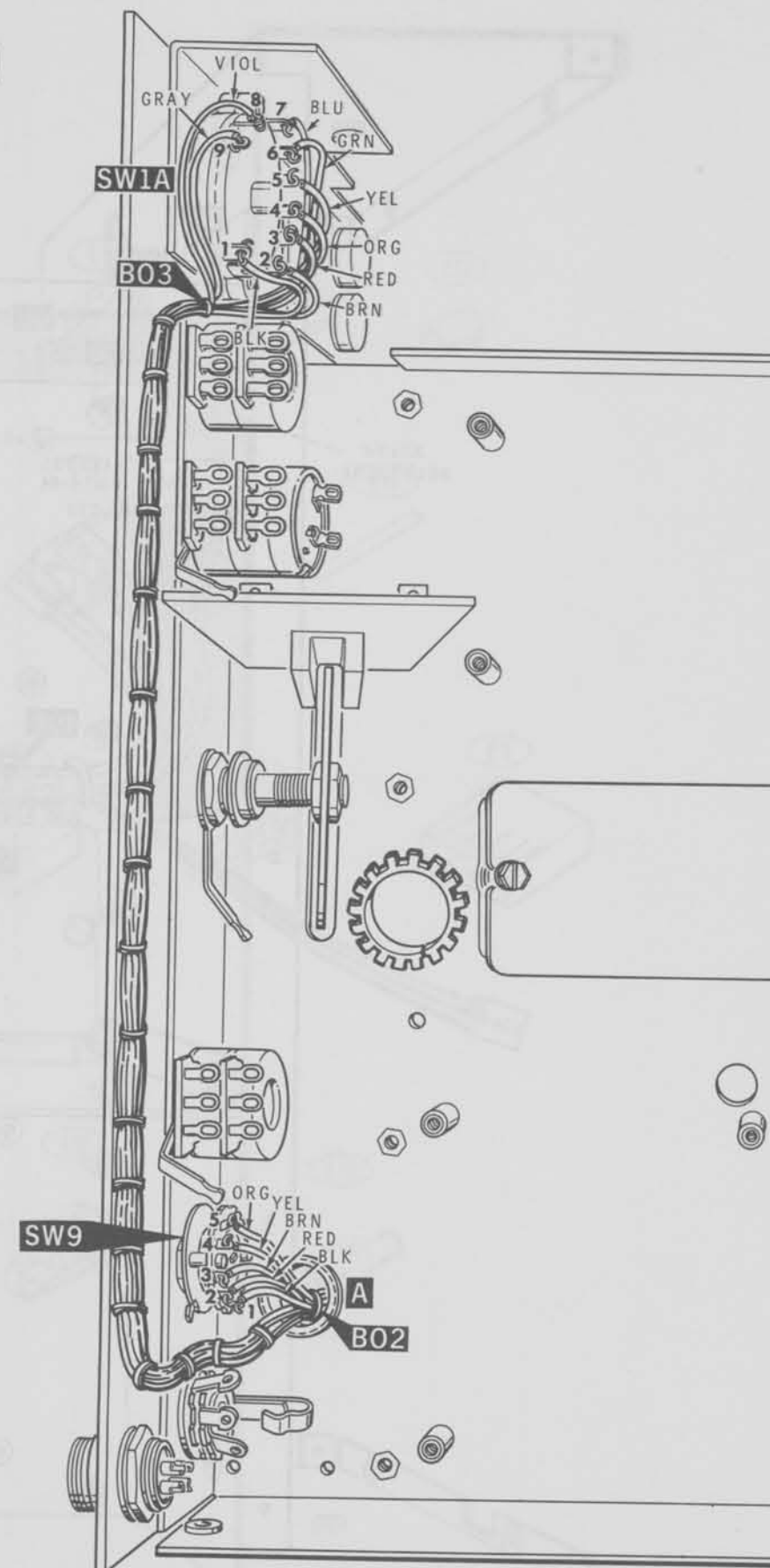
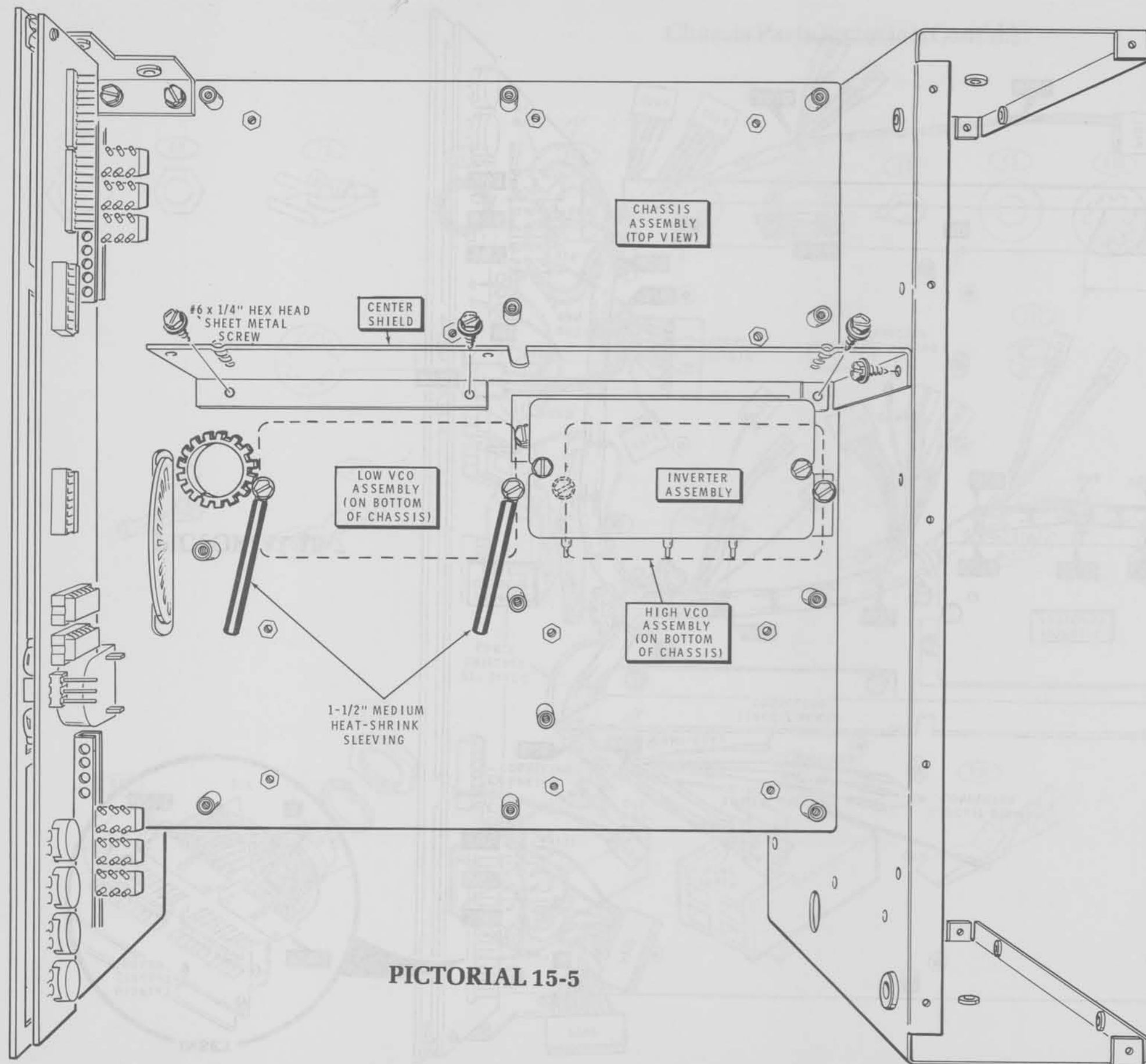


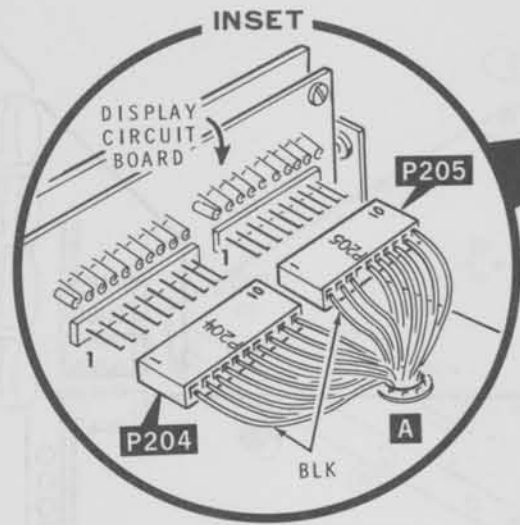
PICTORIAL 15-1



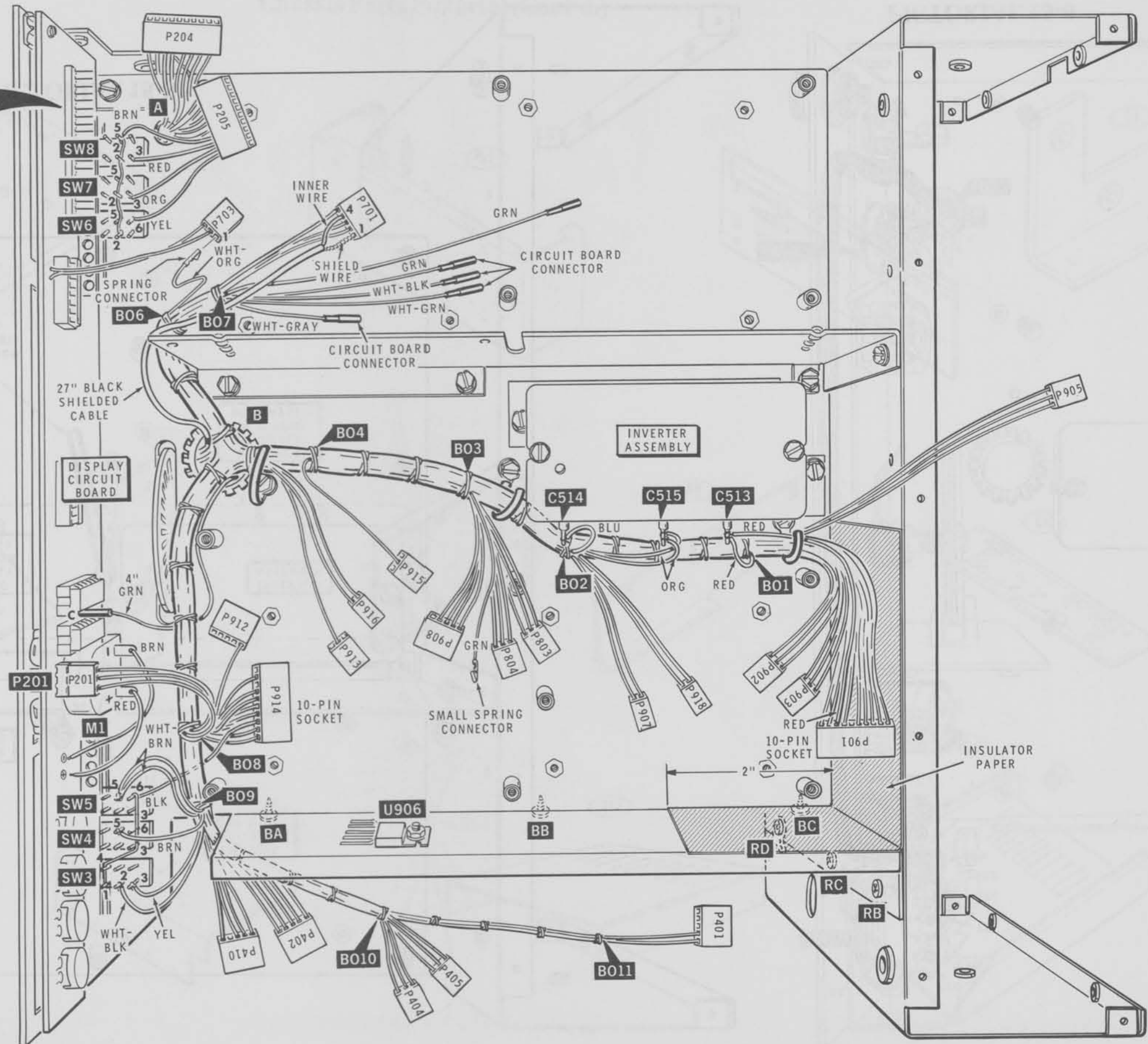


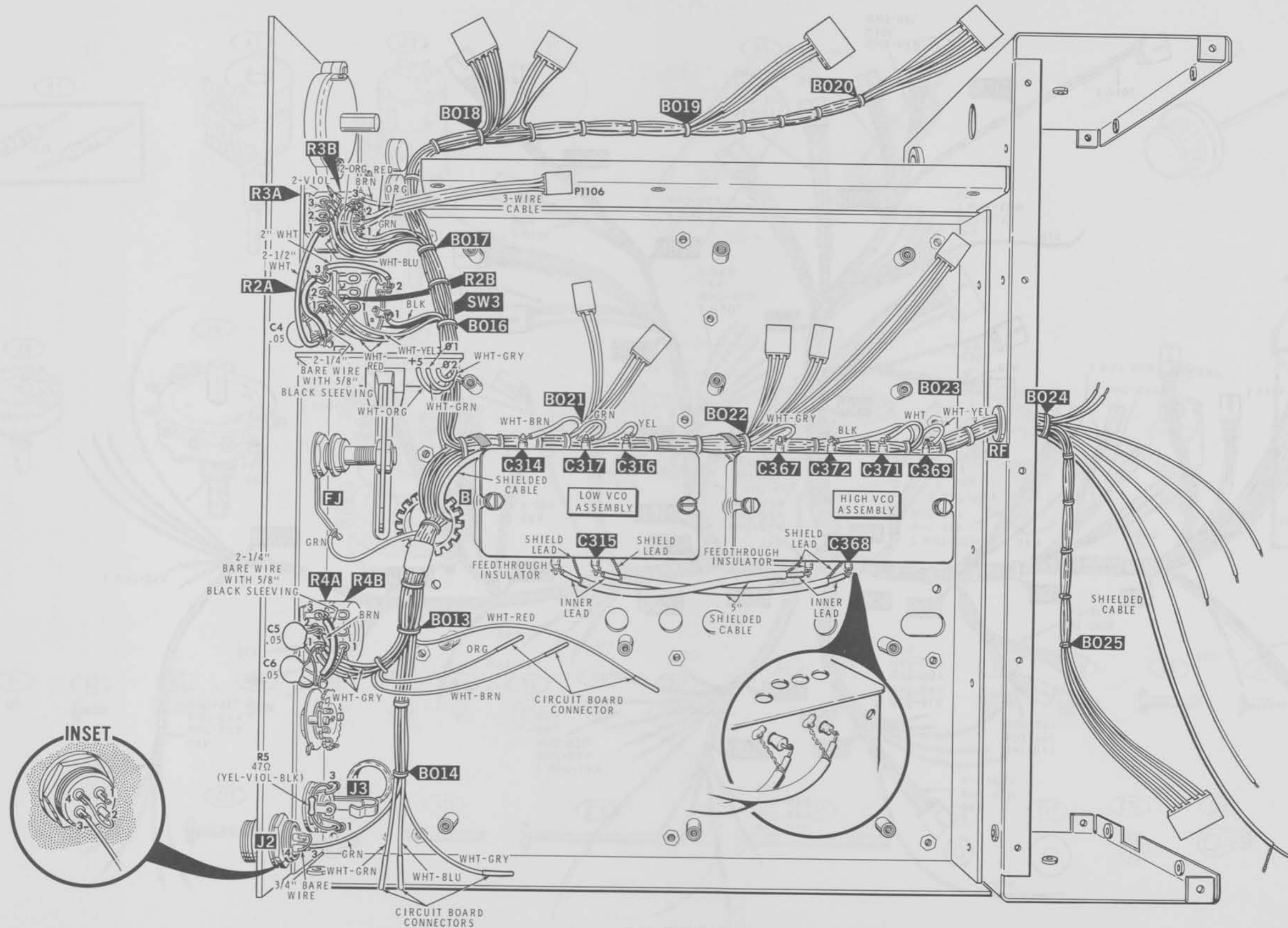
PICTORIAL 15-4



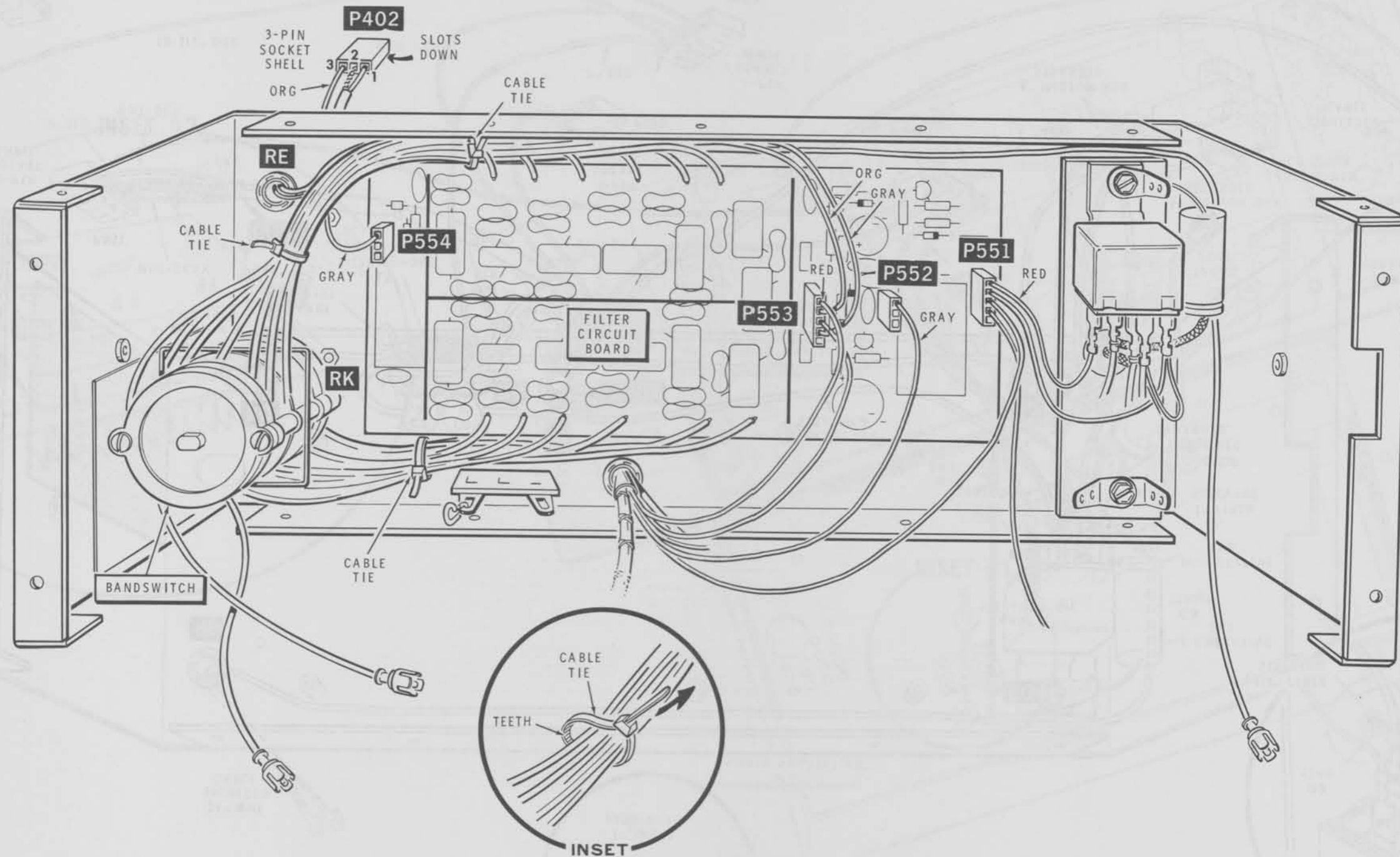


PICTORIAL 15-7

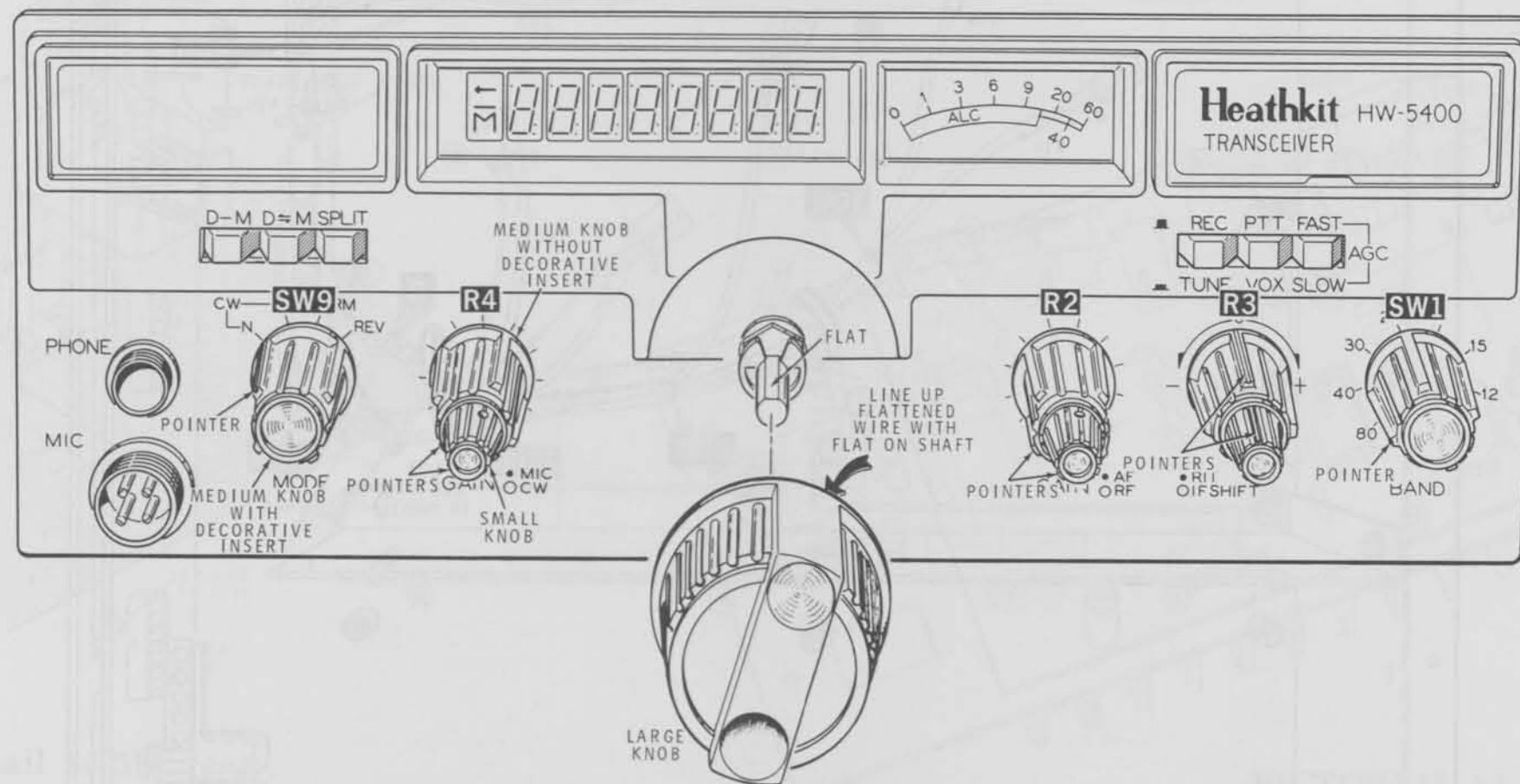




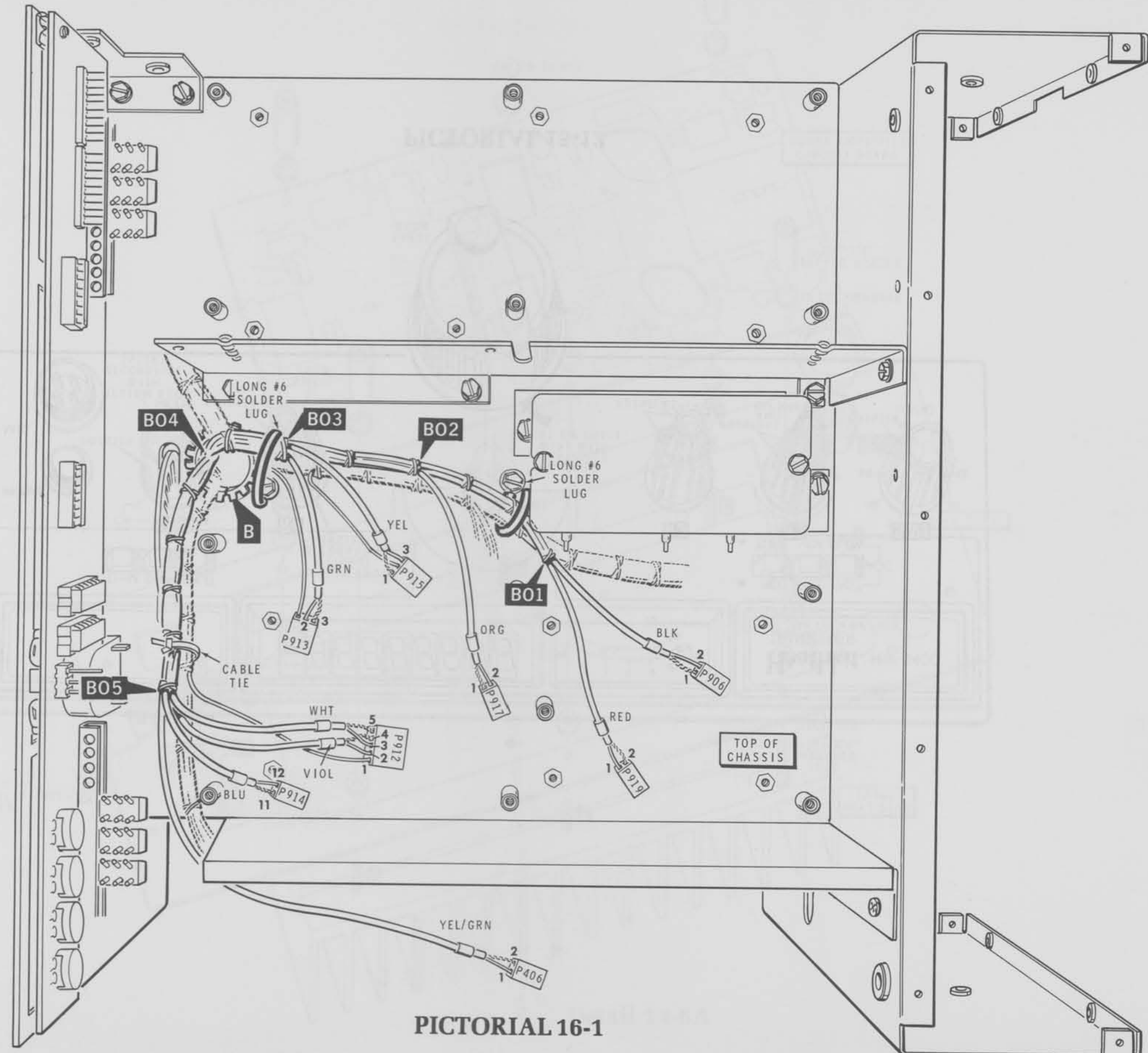
PICTORIAL 15-8



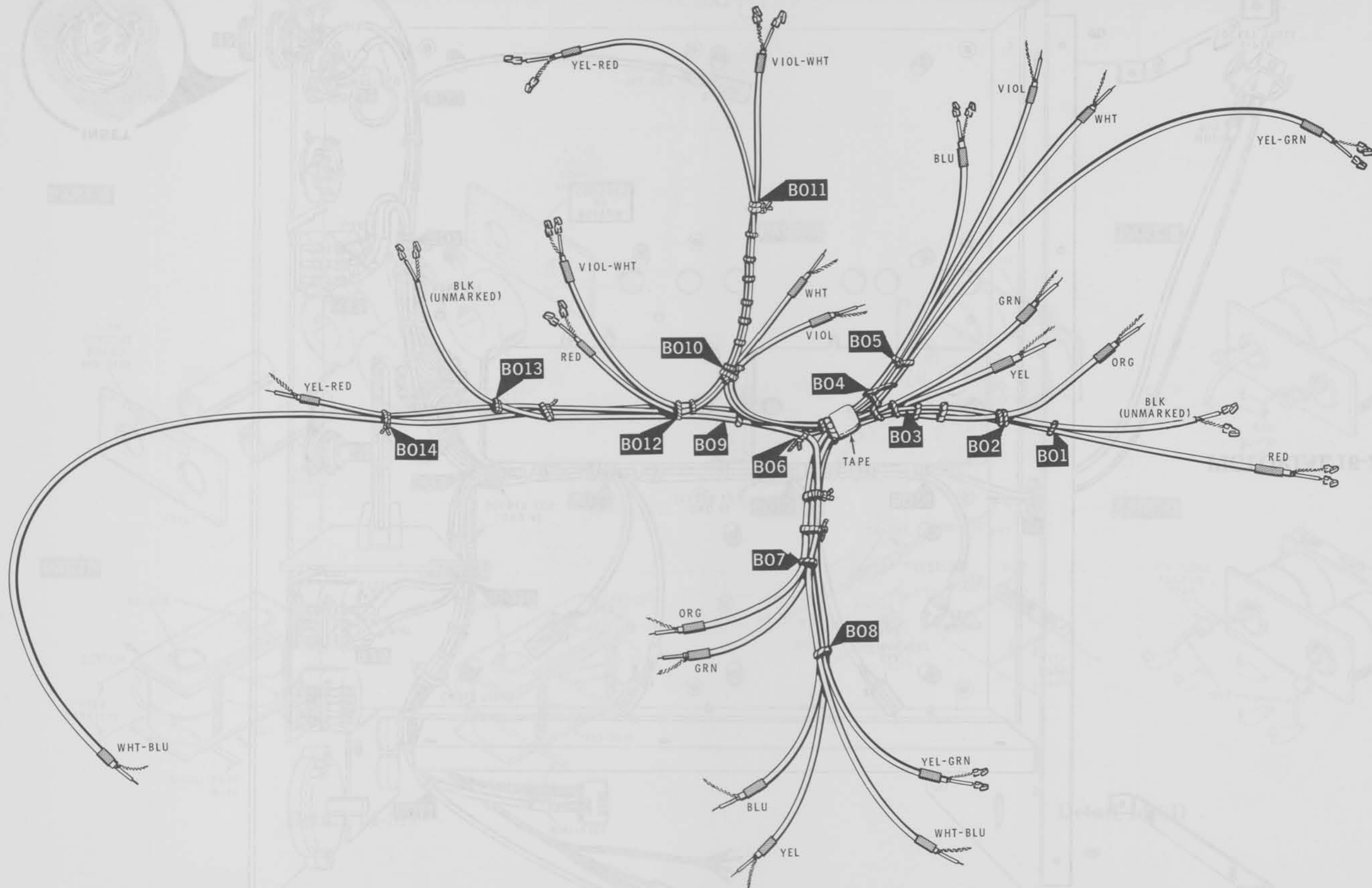
PICTORIAL 15-11



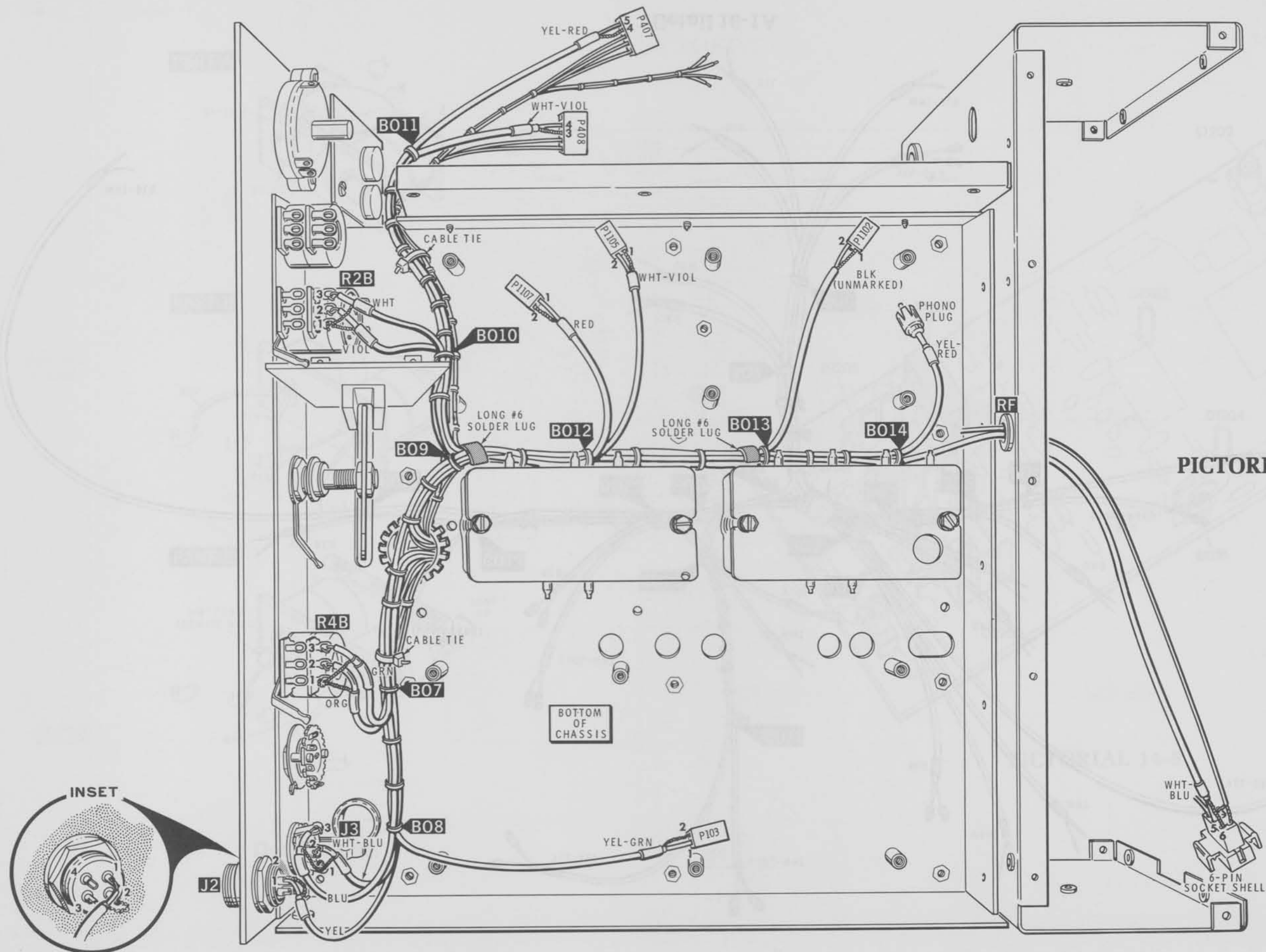
PICTORIAL 15-12

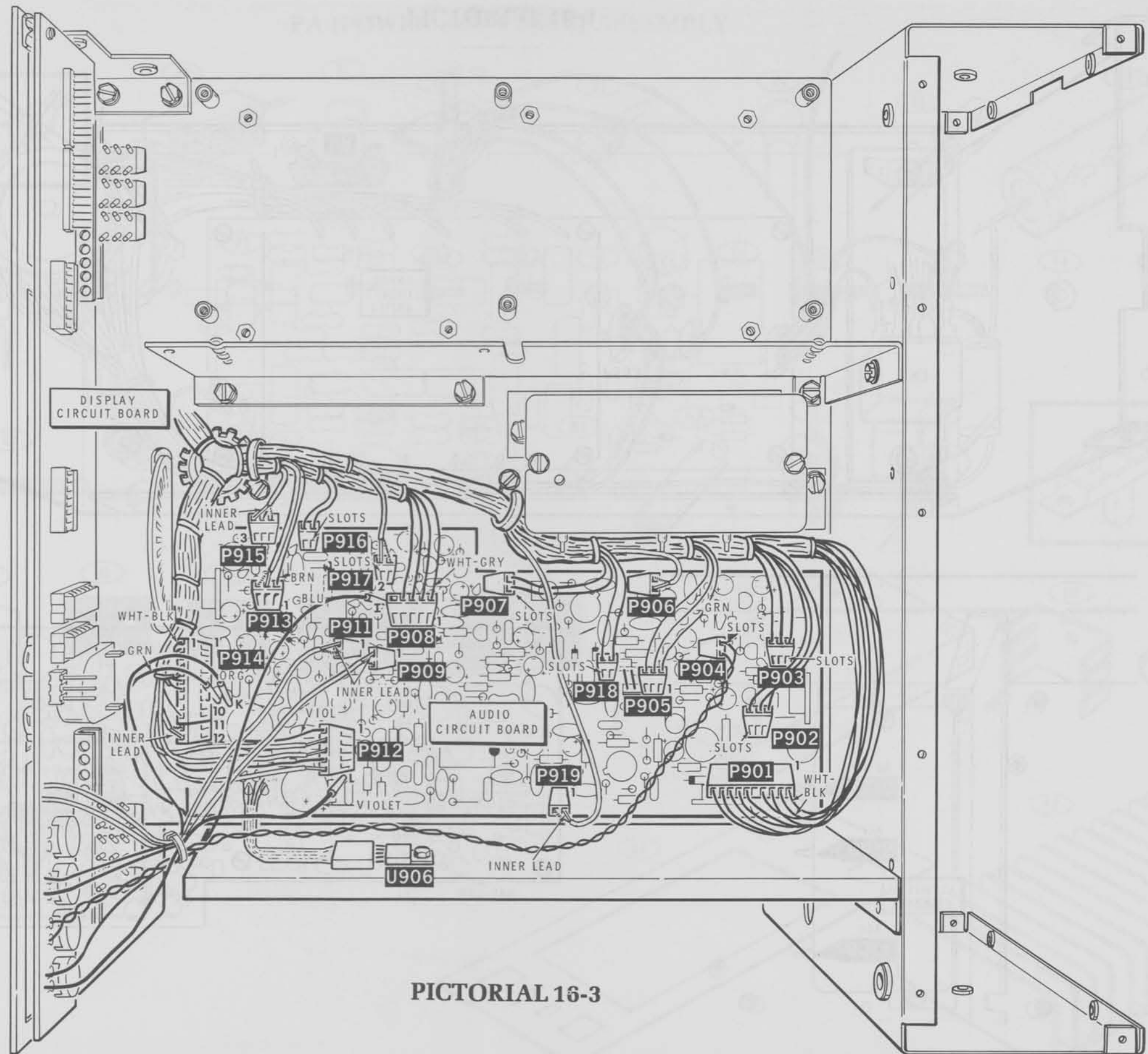


PICTORIAL 16-1

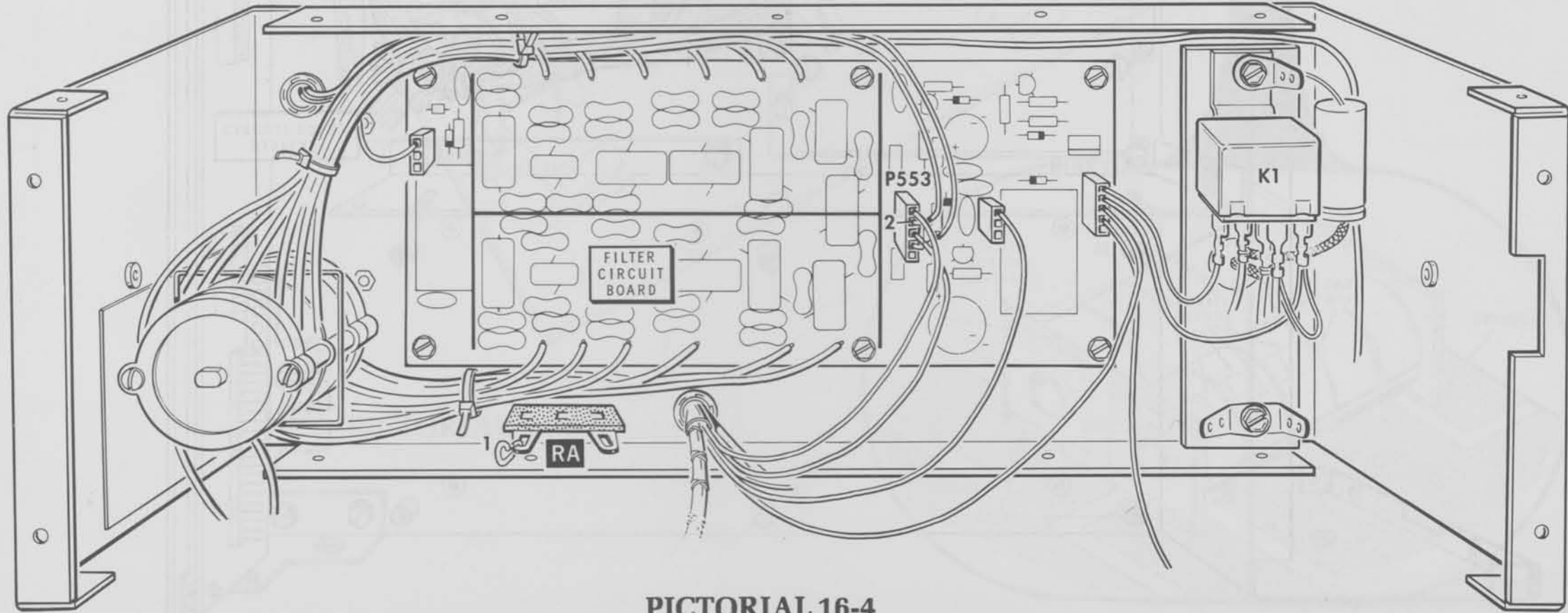
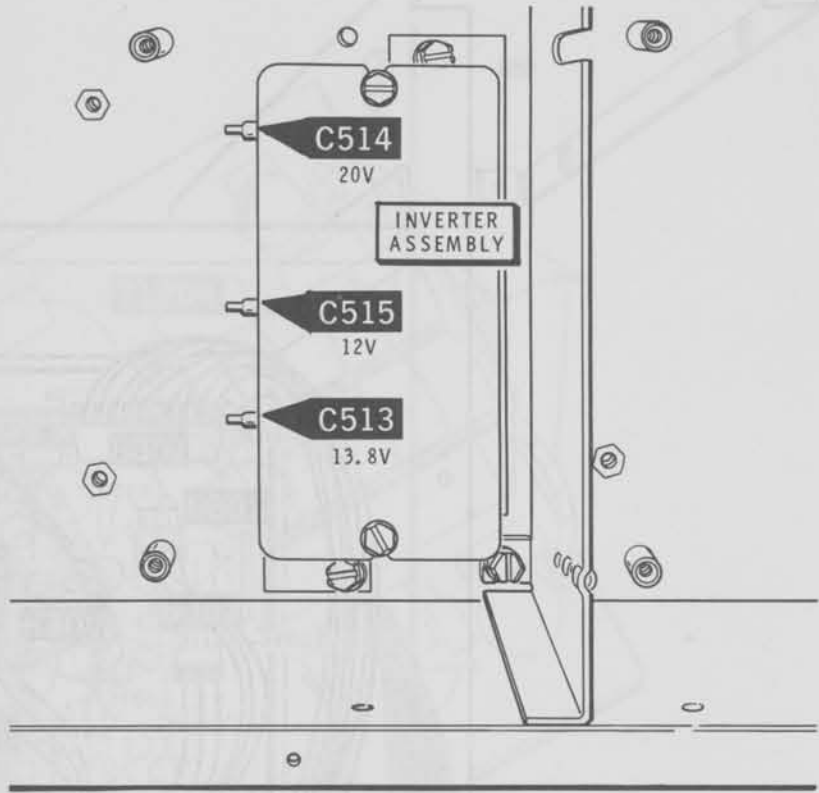
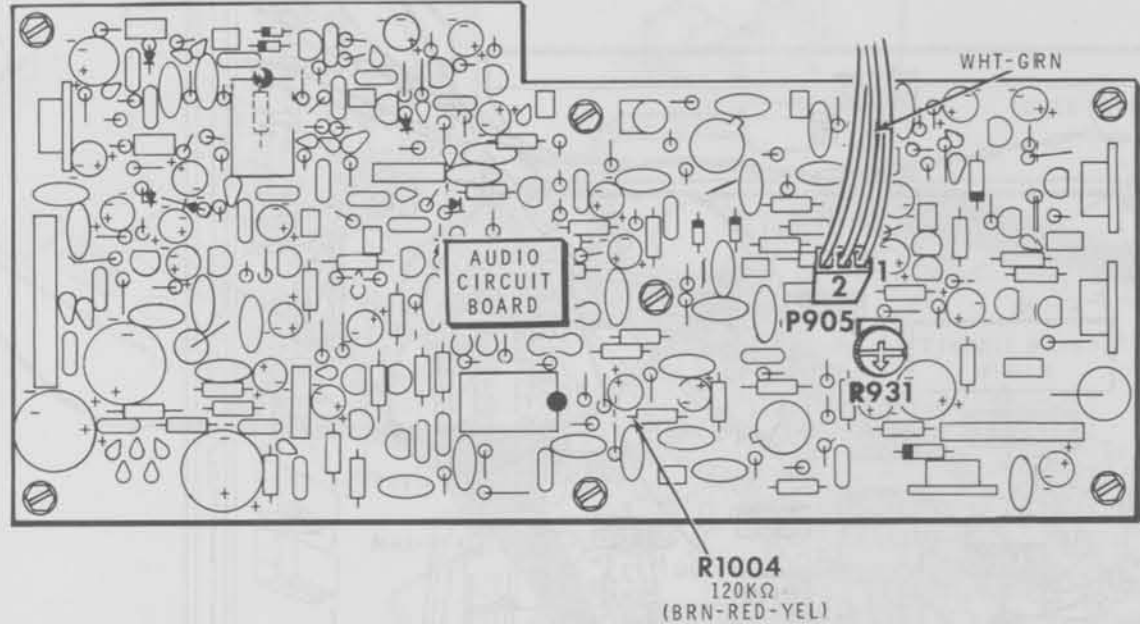


Detail 16-1A

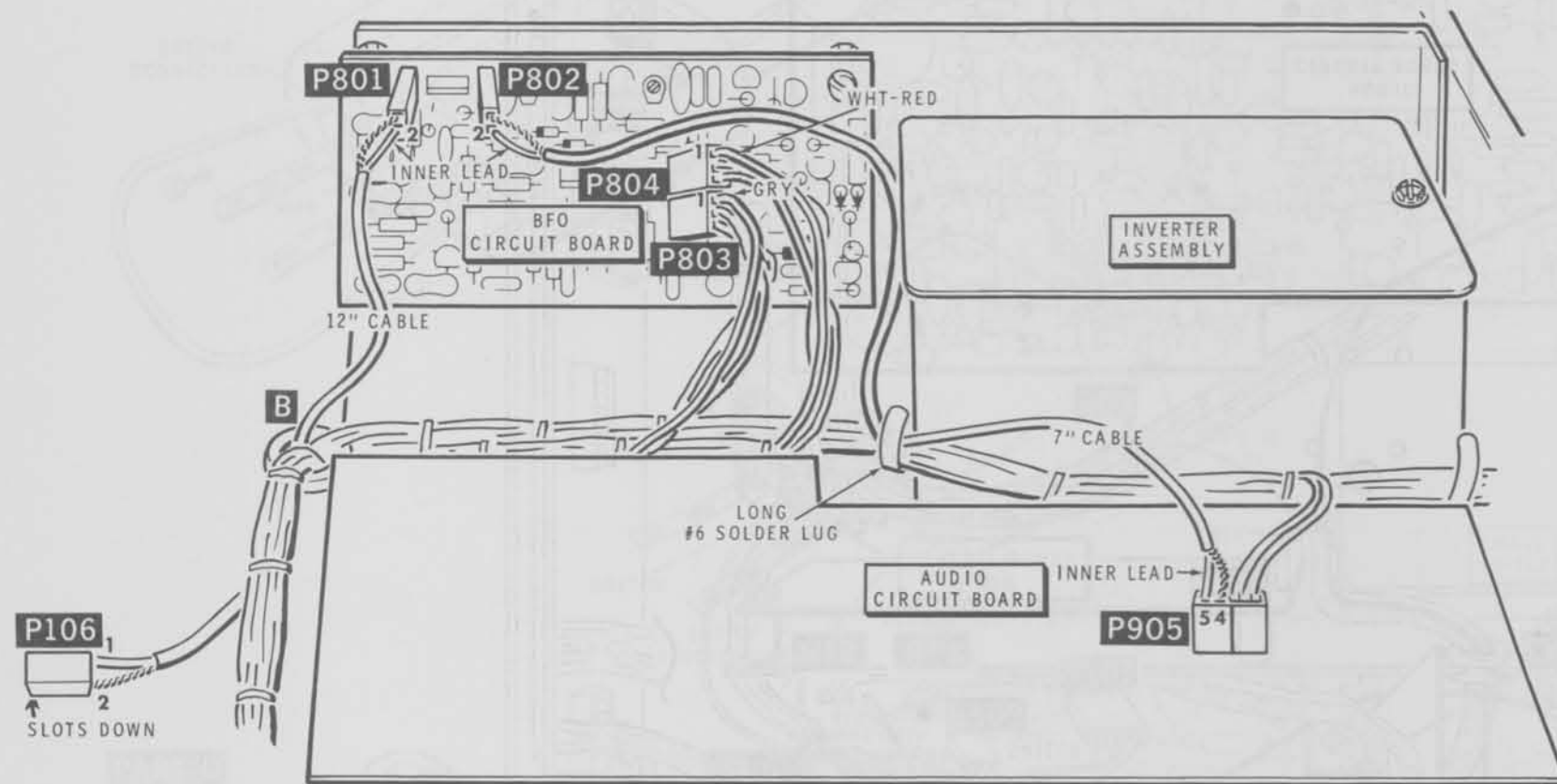




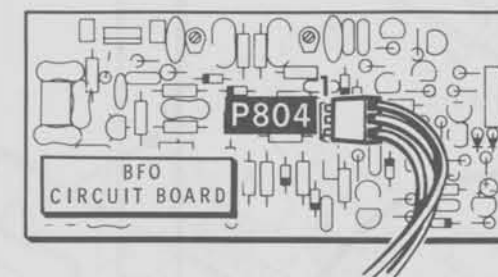
PICTORIAL 16-3



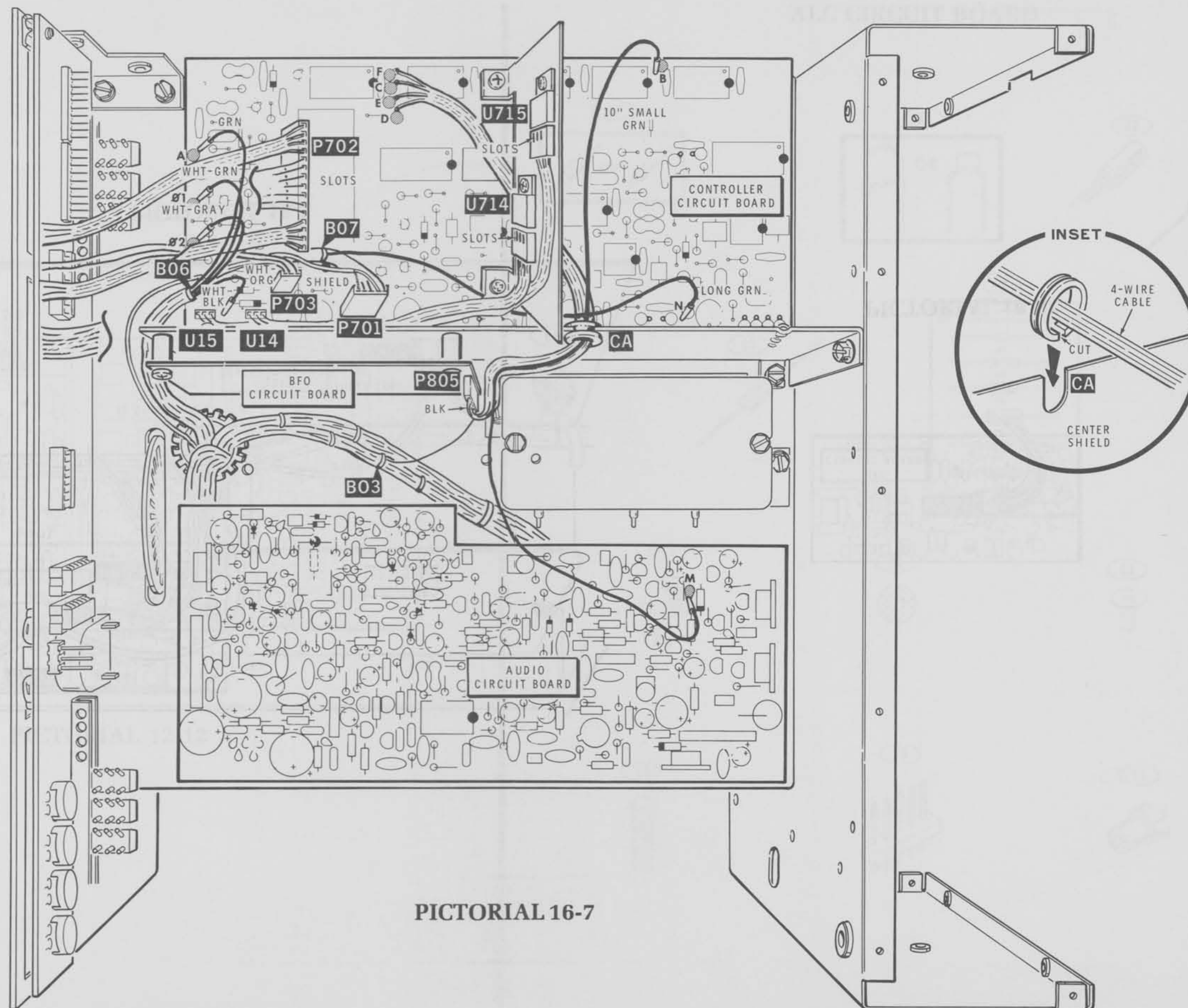
PICTORIAL 16-4



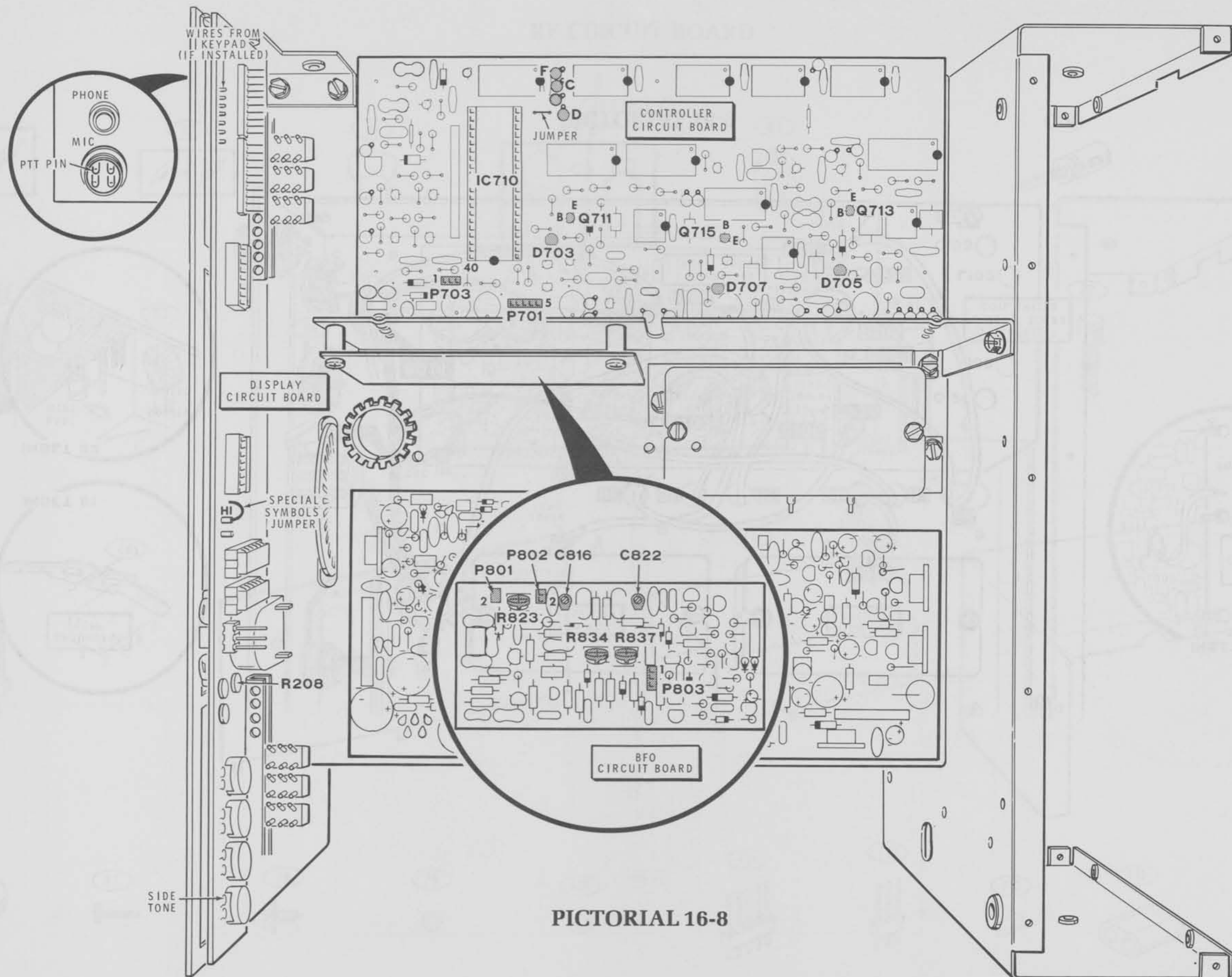
PICTORIAL 16-5



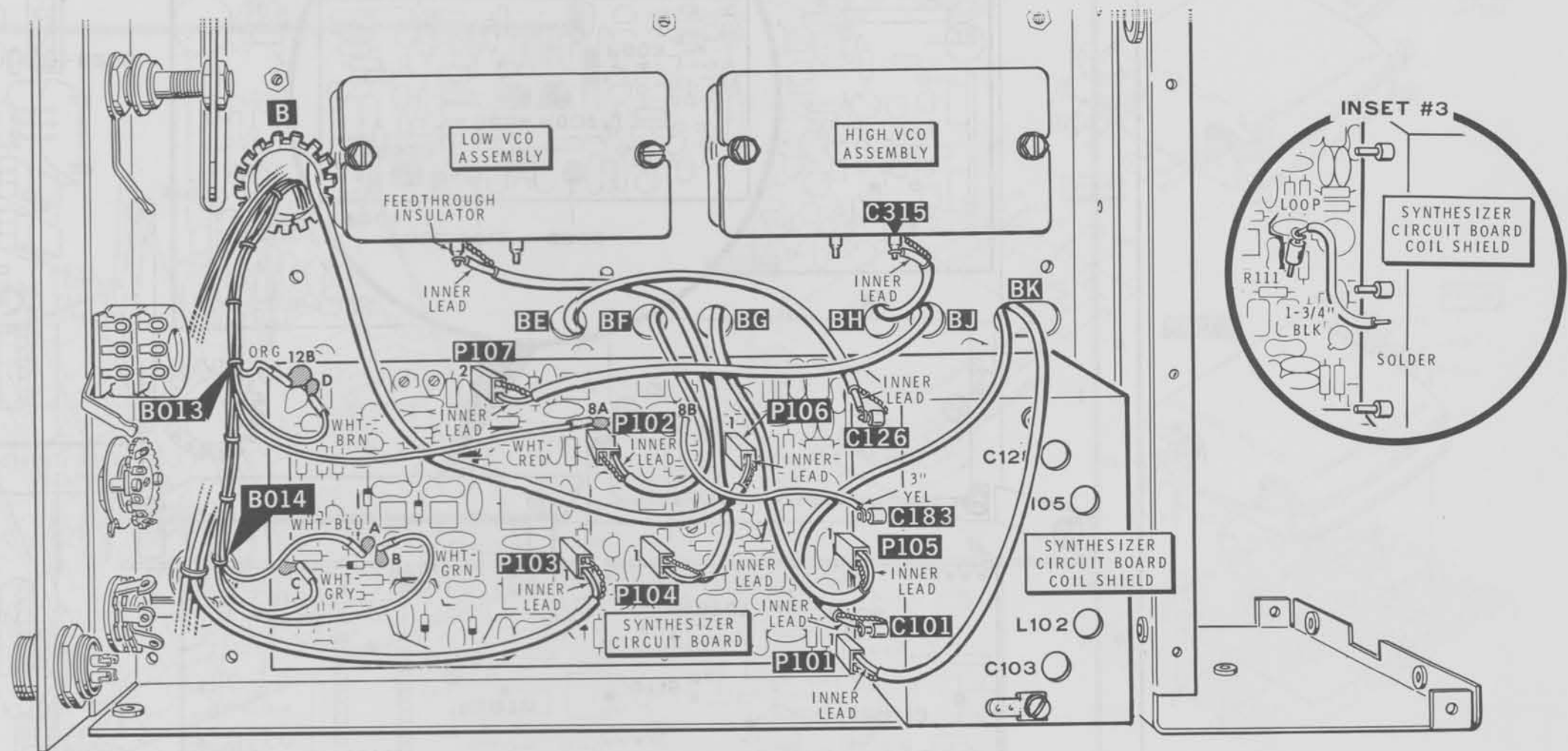
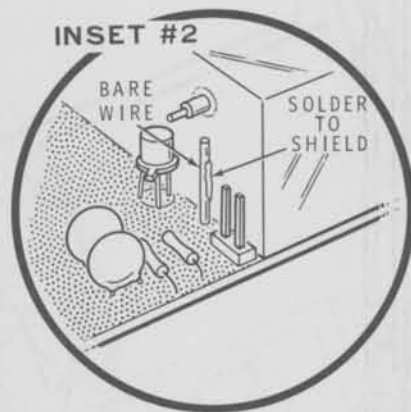
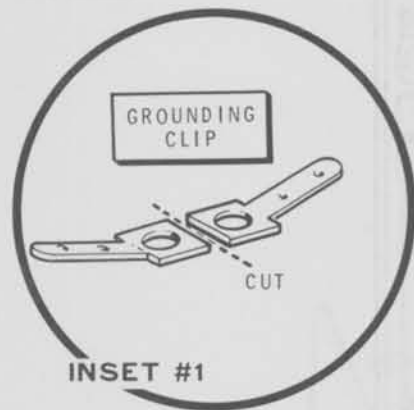
PICTORIAL 16-6



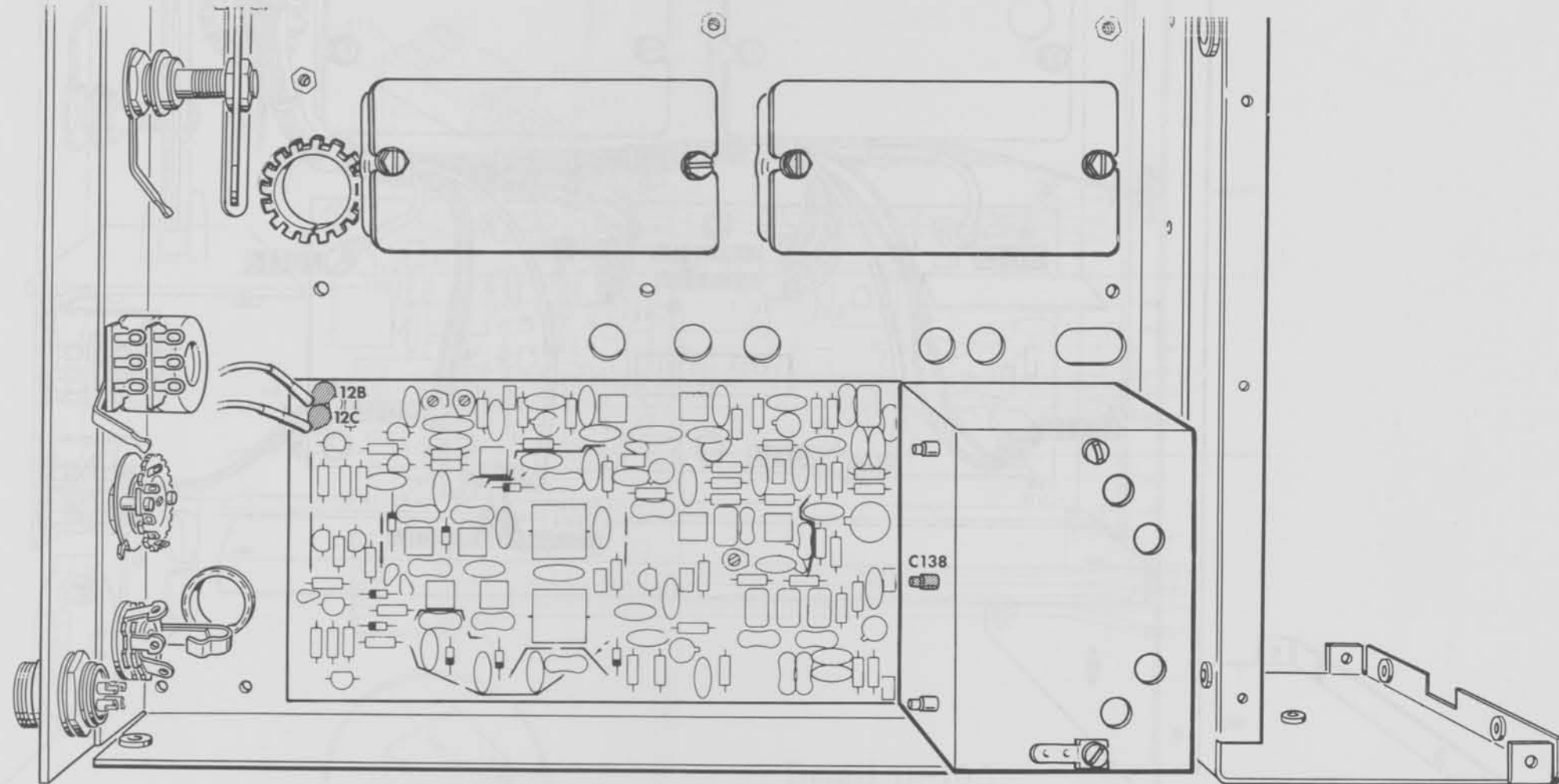
PICTORIAL 16-7



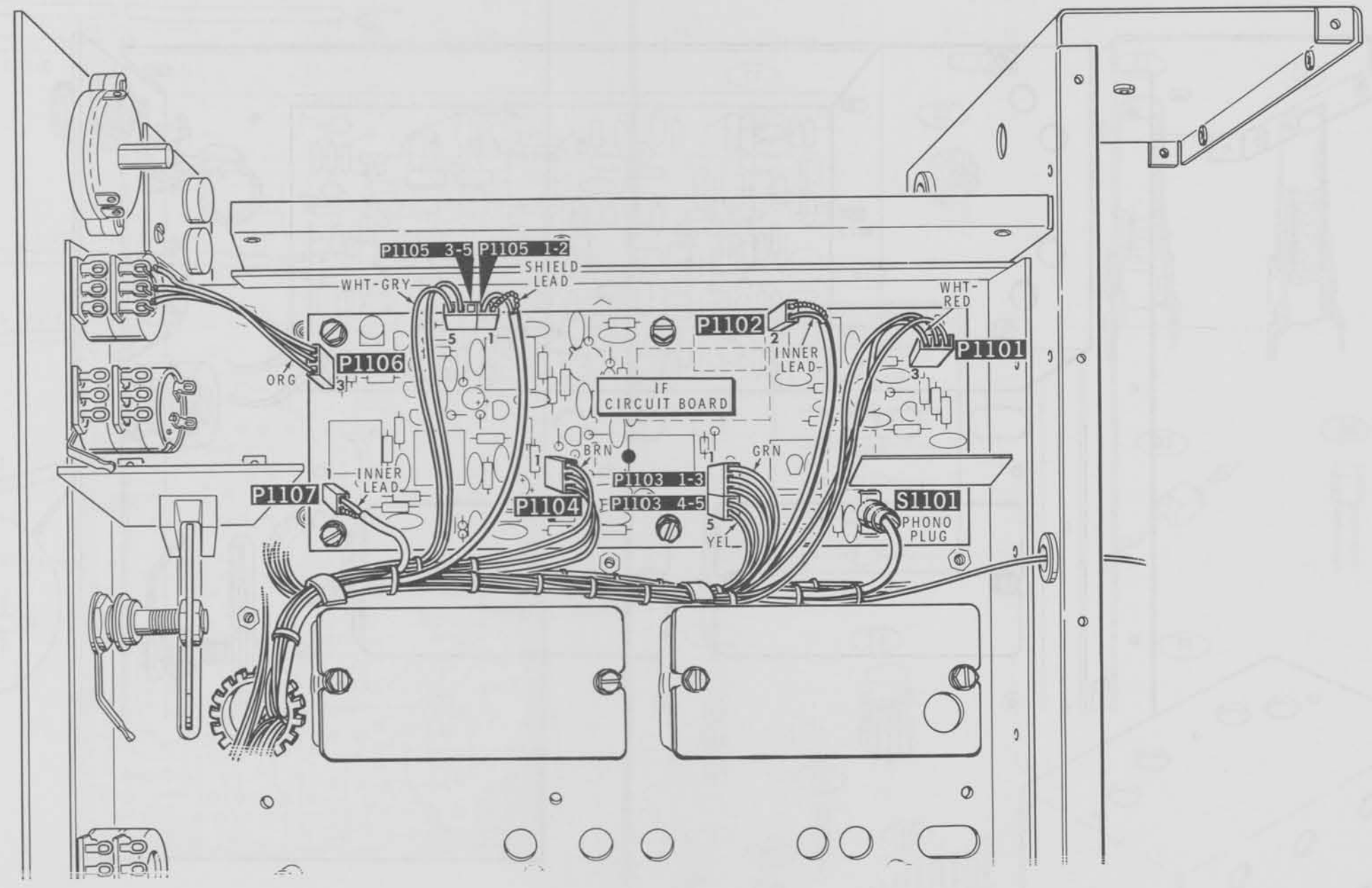
PICTORIAL 16-8



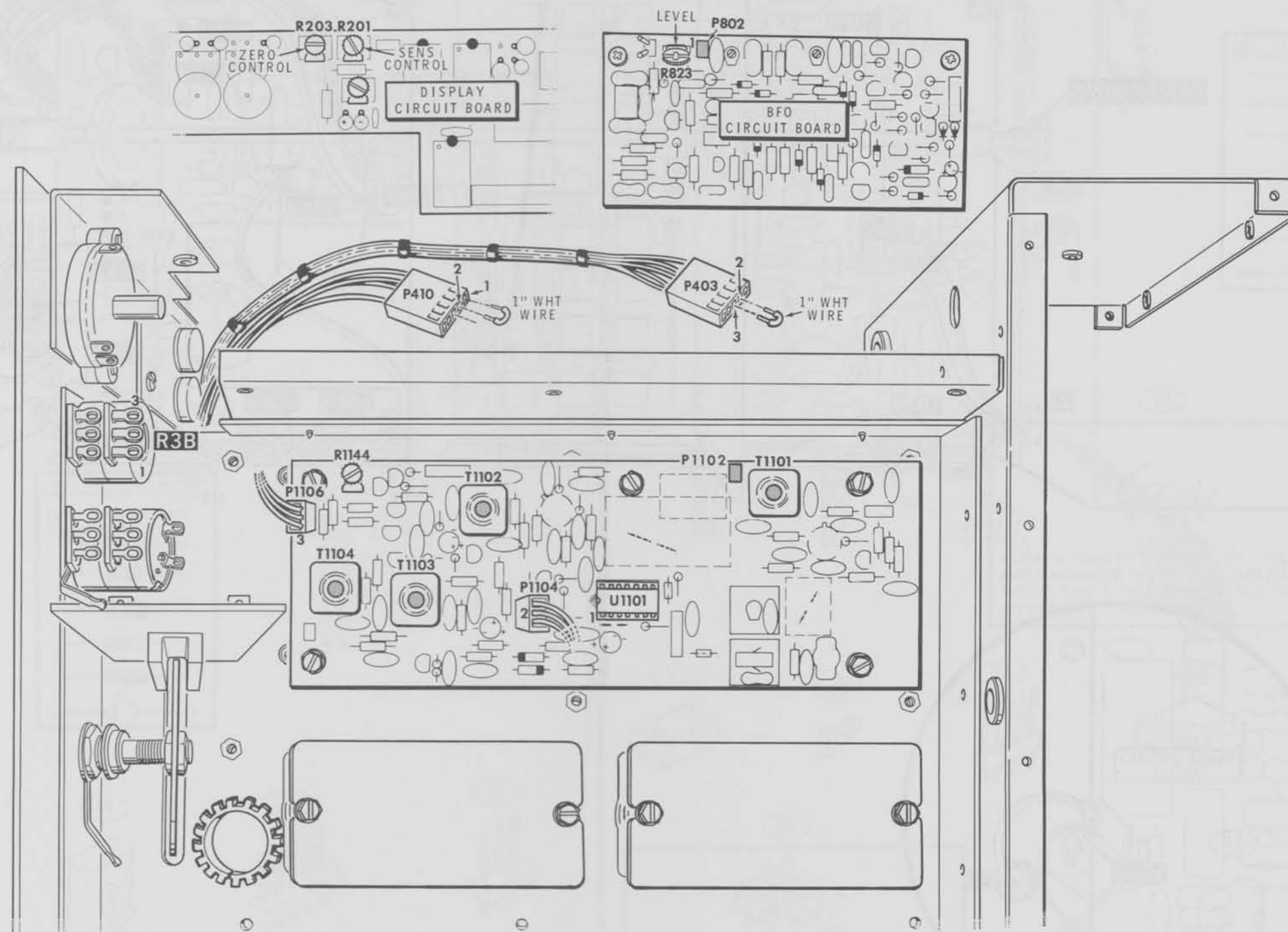
PICTORIAL 16-9



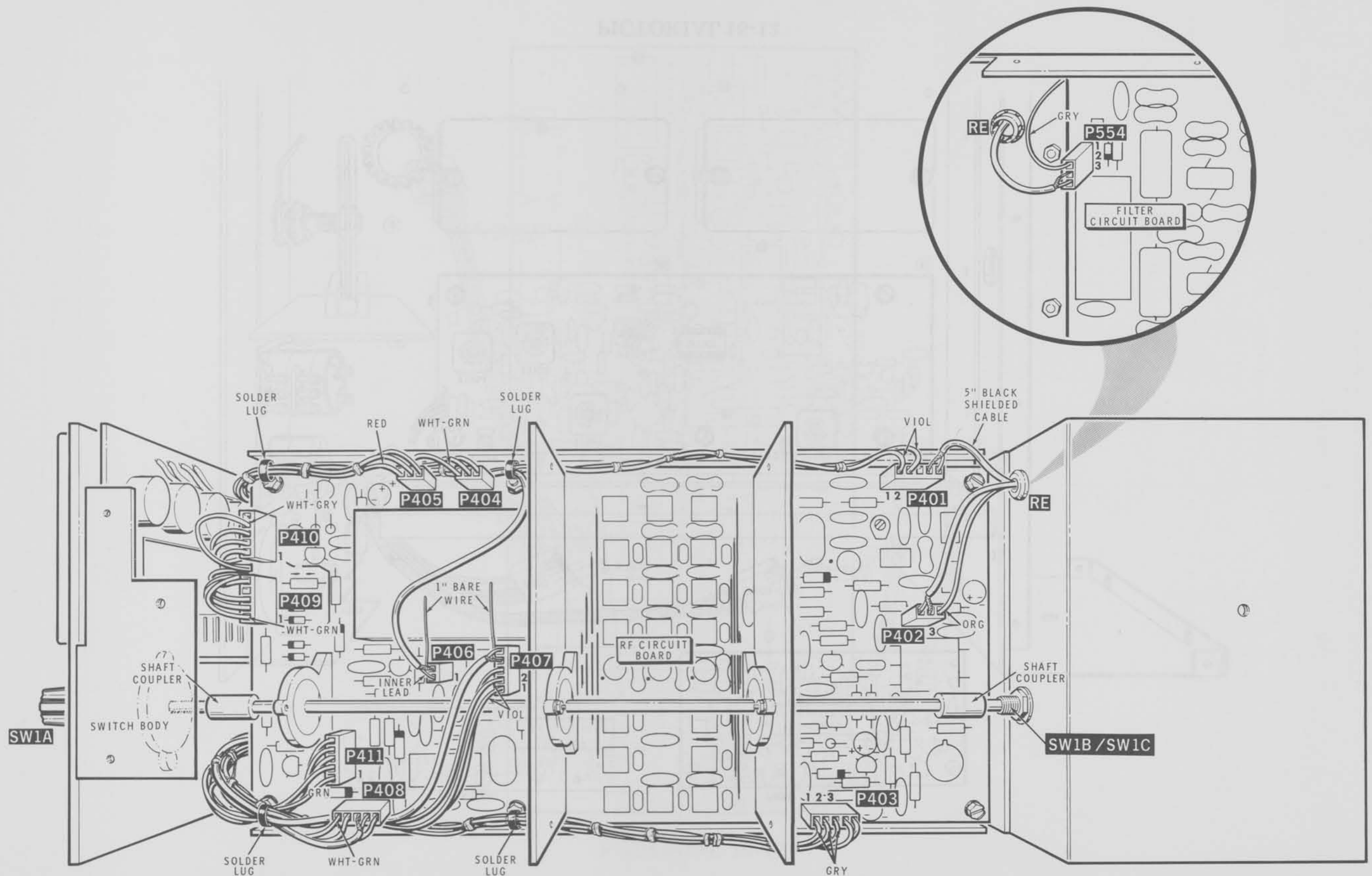
PICTORIAL 16-10



PICTORIAL 16-11



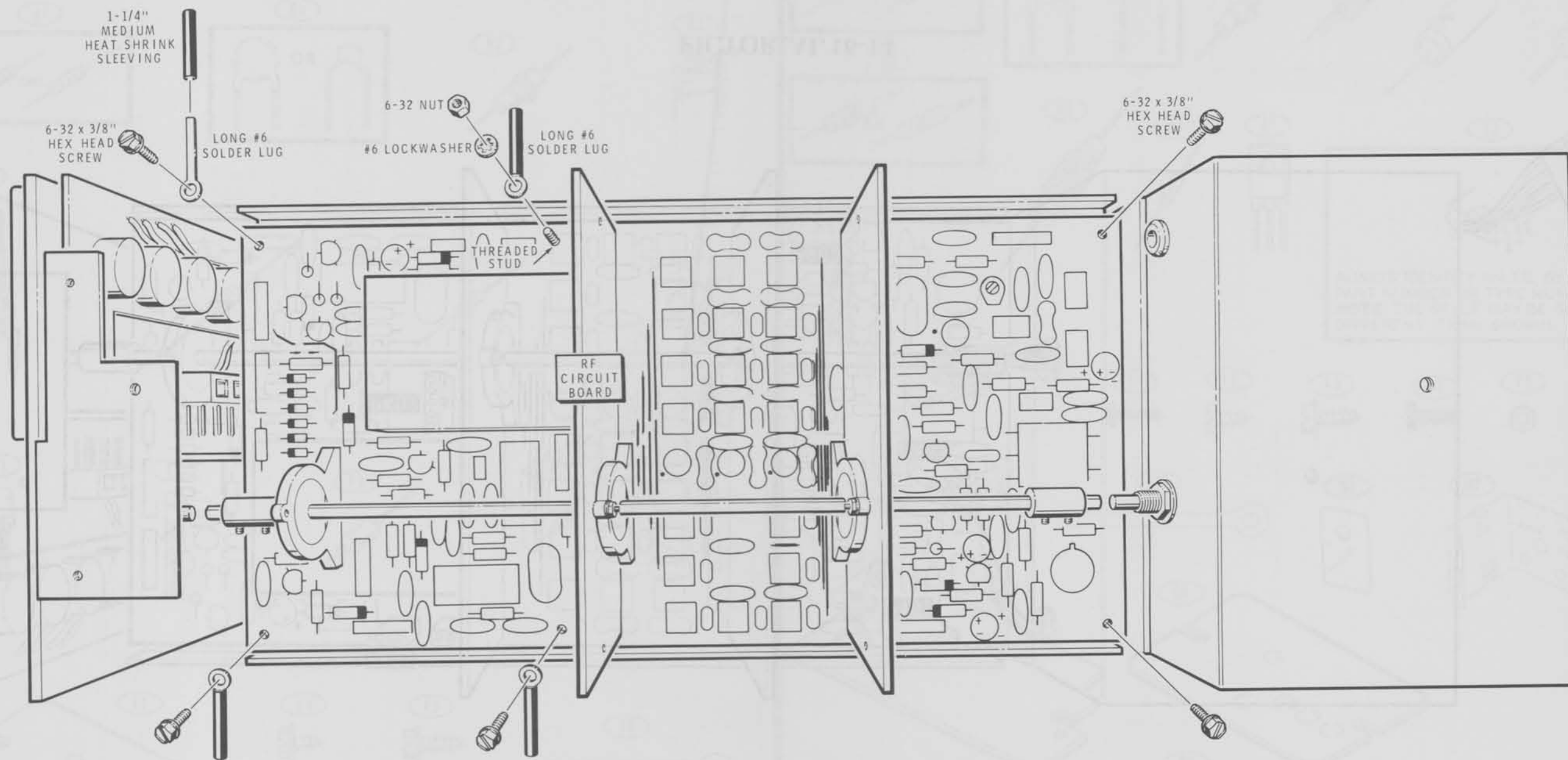
PICTORIAL 16-12



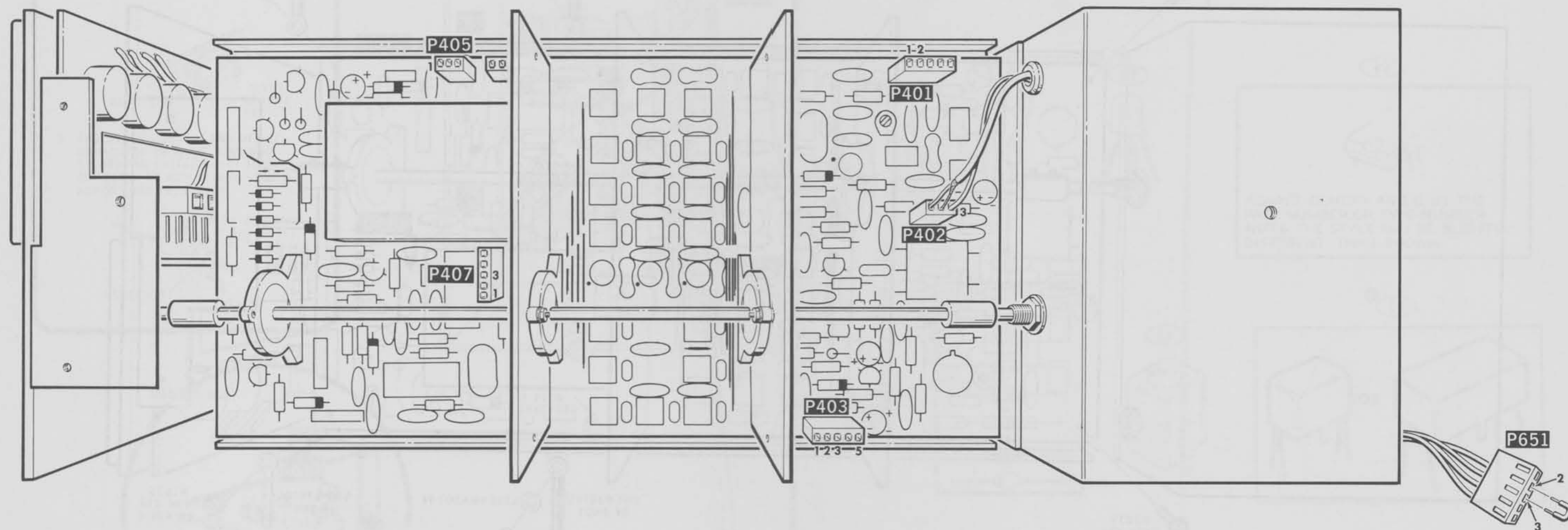
PICTORIAL 16-13

LOW VOLT ASSEMBLY

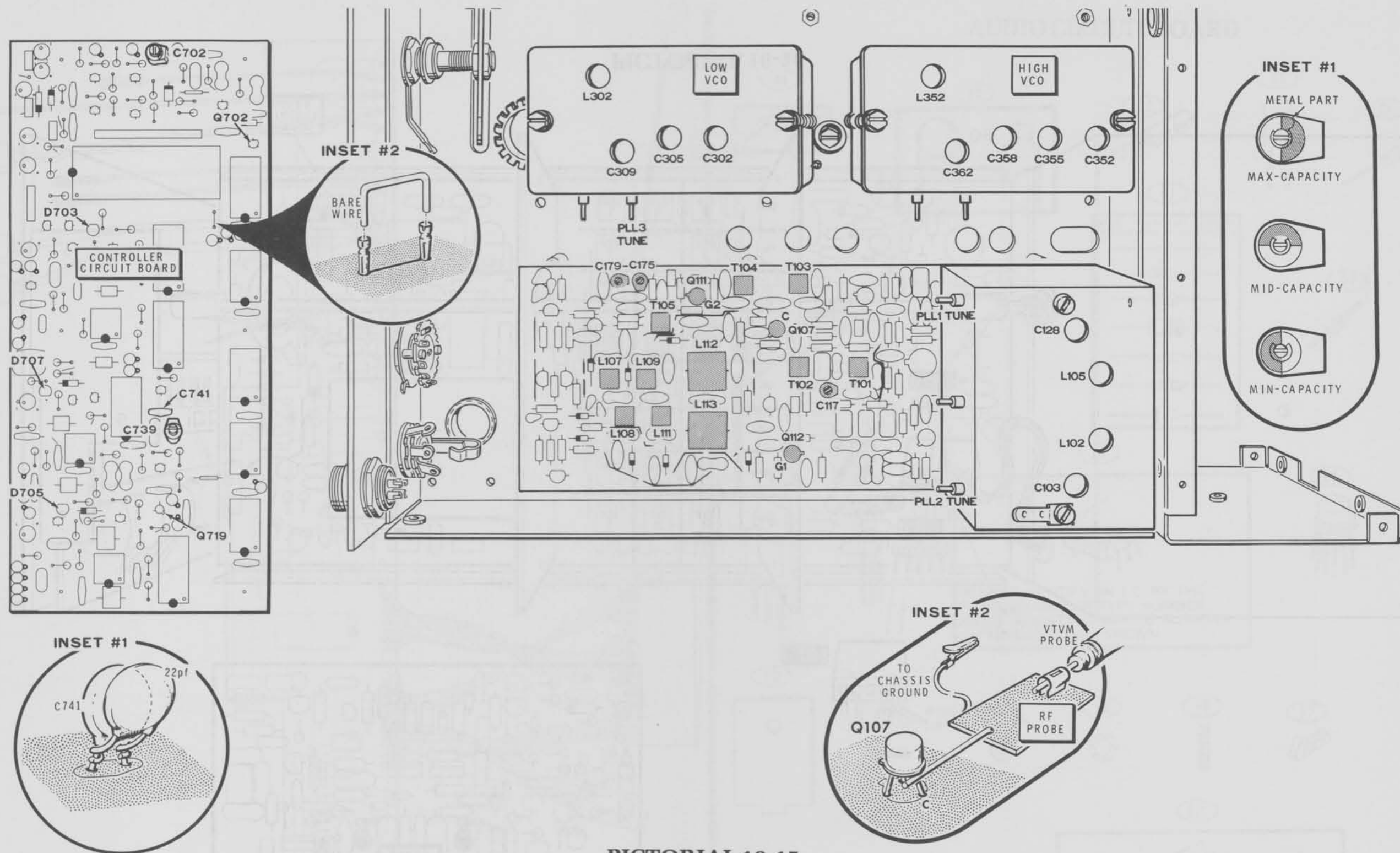
INVERTER ASSEMBLY



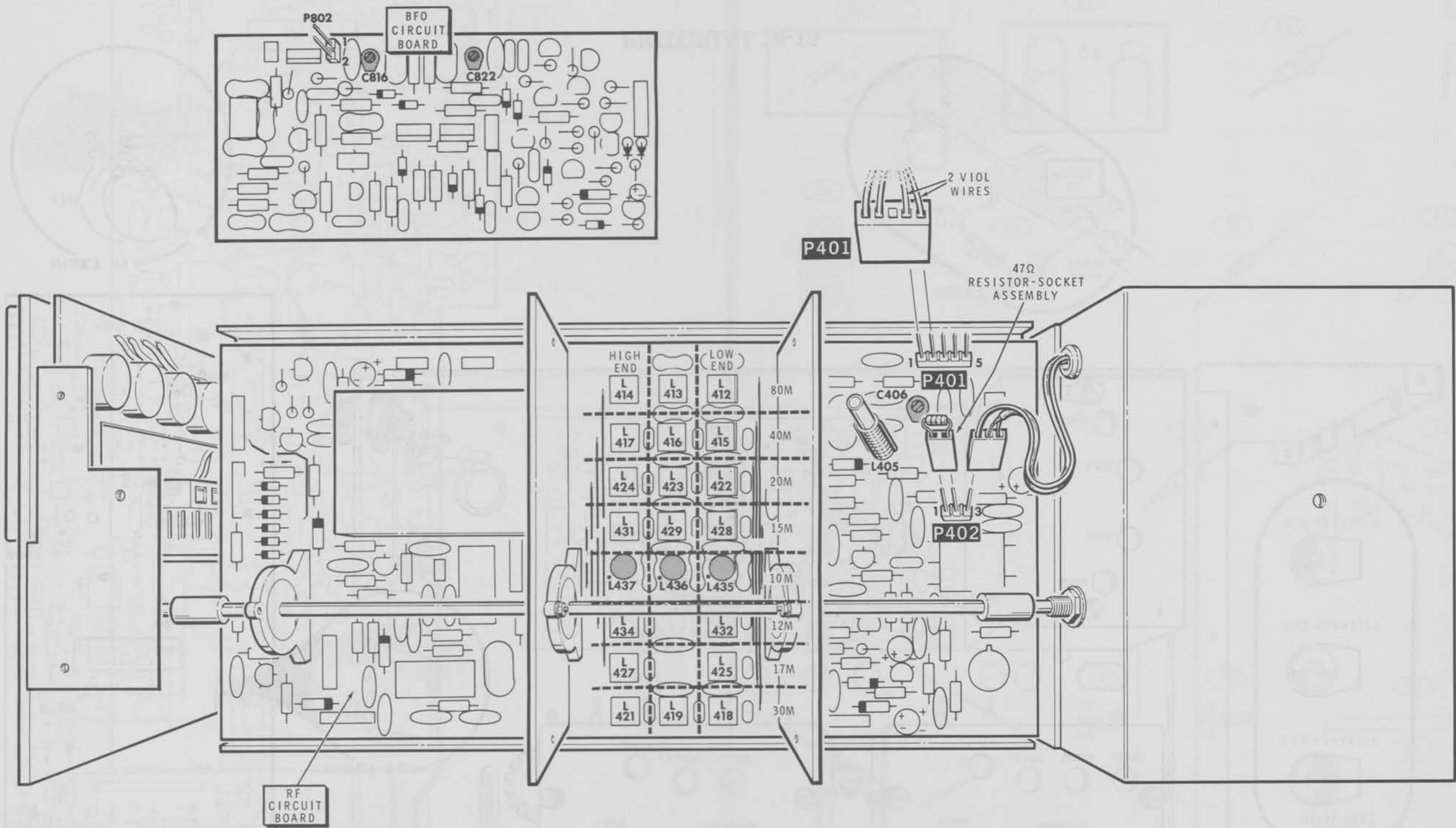
Detail 16-13C



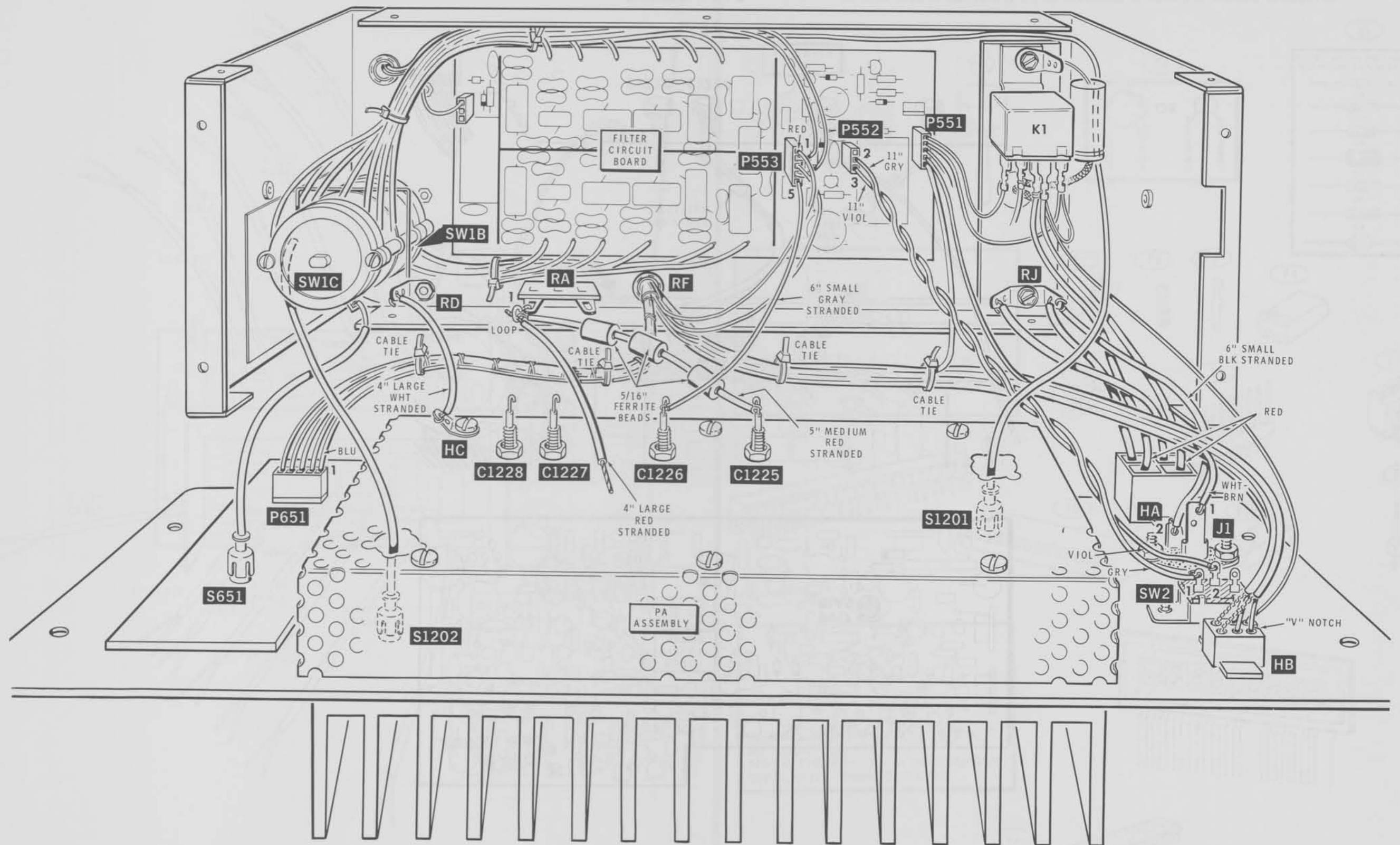
PICTORIAL 16-14



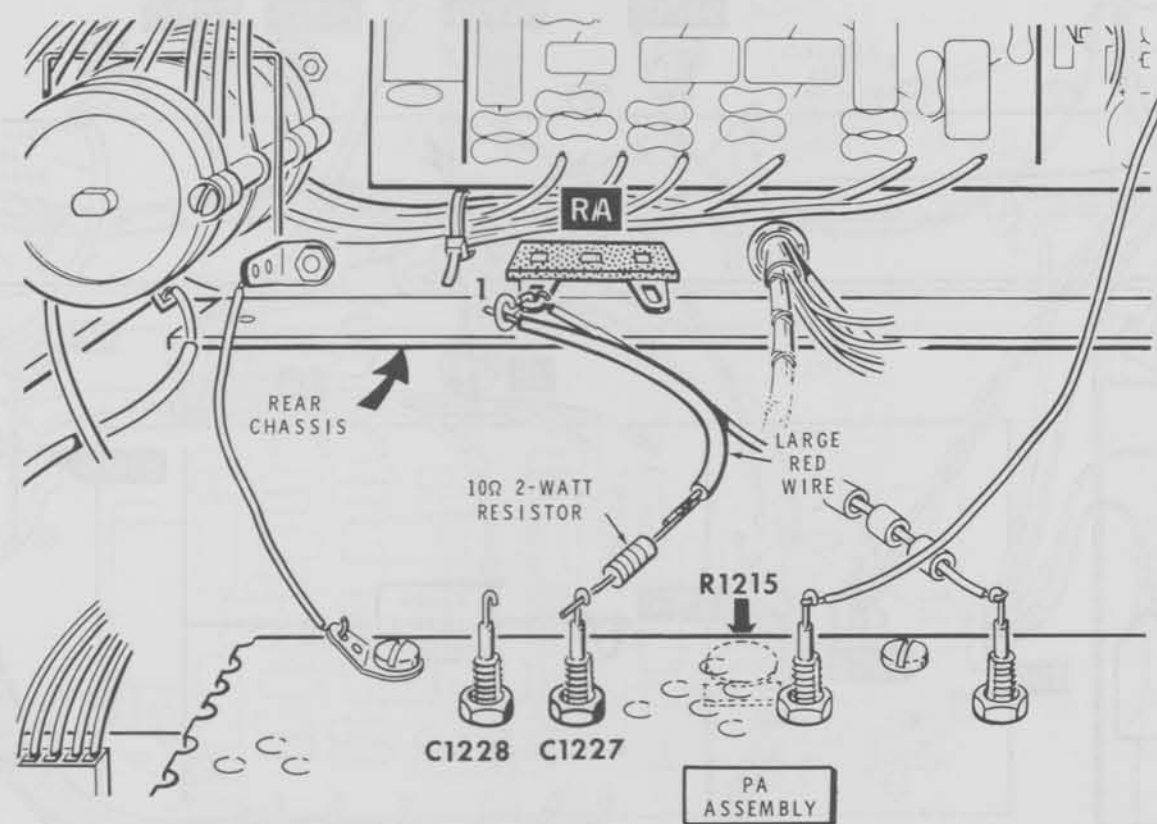
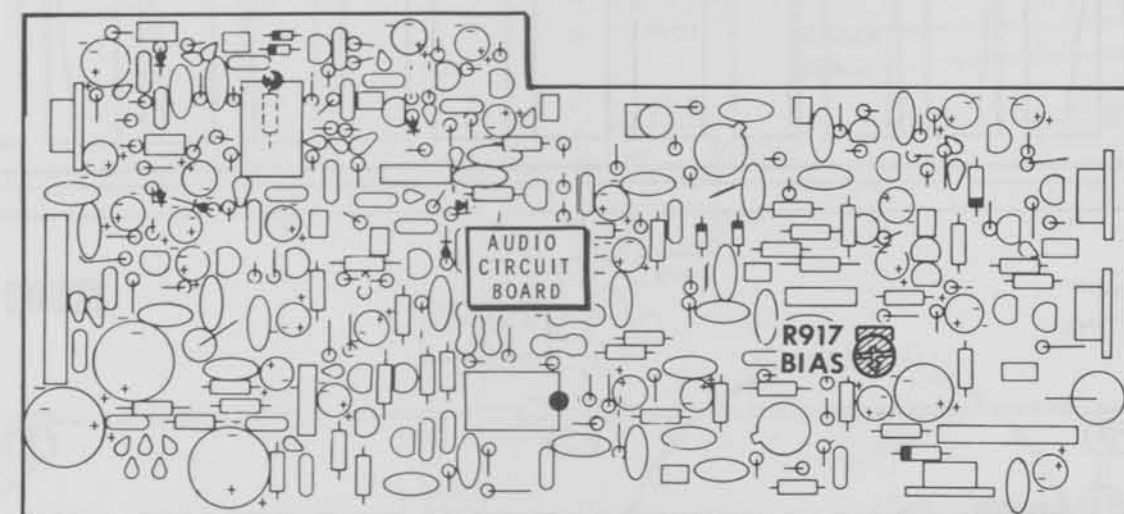
PICTORIAL 16-15



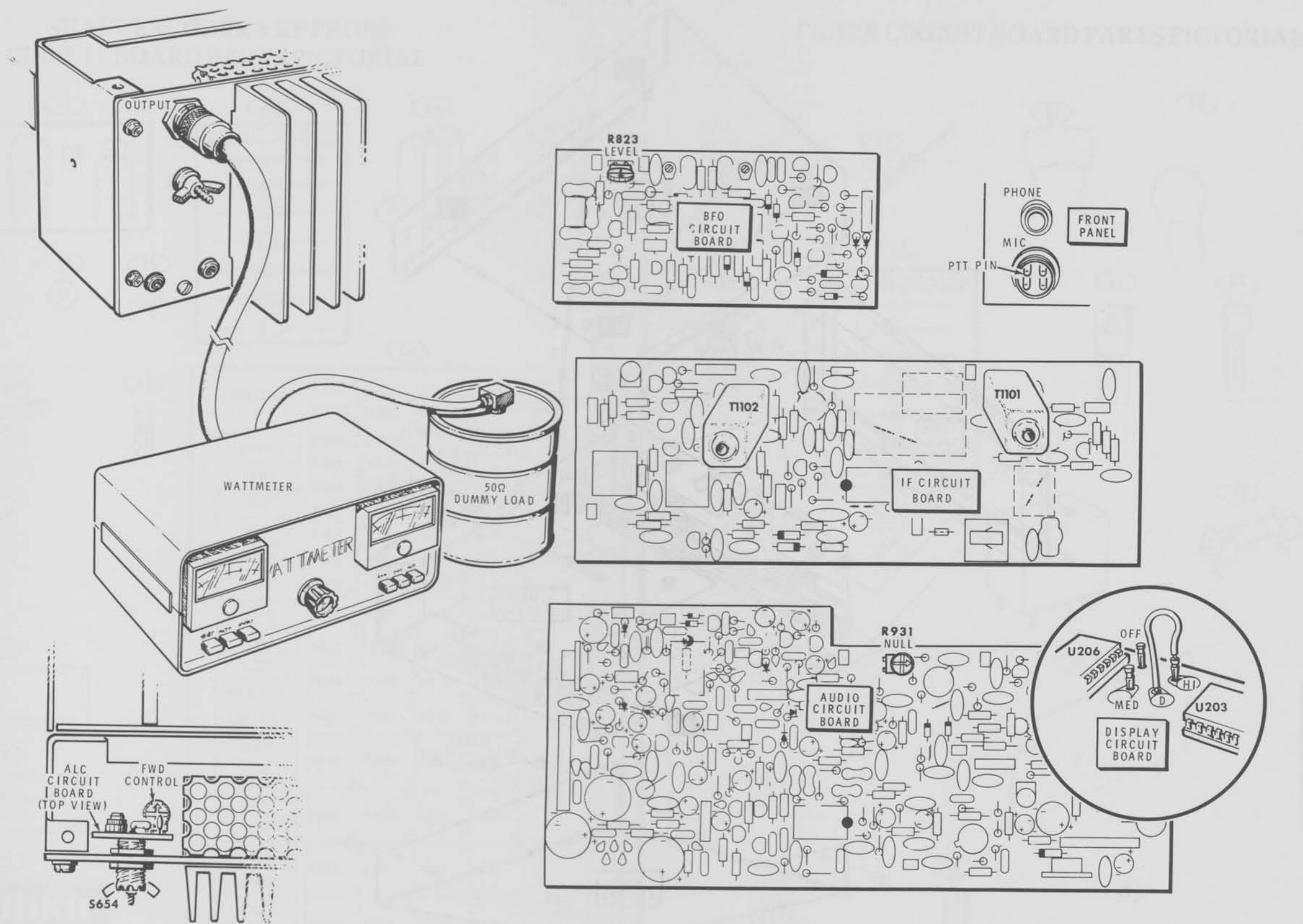
PICTORIAL 16-16



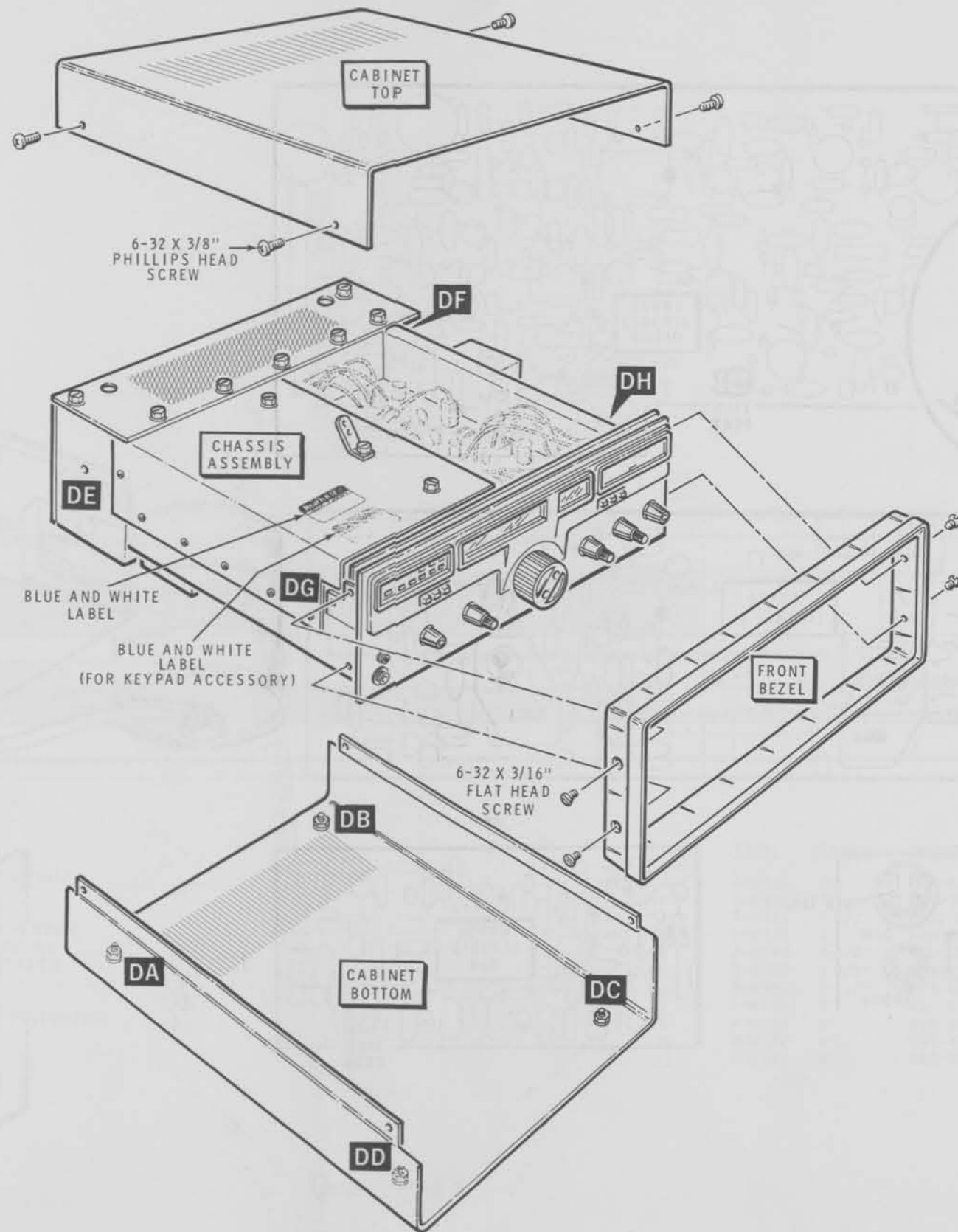
PICTORIAL 16-17



PICTORIAL 16-18



PICTORIAL 16-20



PICTORIAL 17-3