

# ILLUSTRATION

## FRONT PANEL CIRCUIT BOARD PARTS PICTORIAL

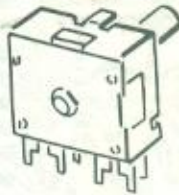
A1

CAUTION: FOR CONTINUED PROTECTION  
AGAINST FIRE HAZARD, REPLACE FUSE ONLY  
WITH SAME TYPE AND RATING. 390-1715

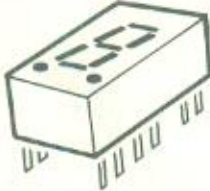
A2



B1



B2



B3



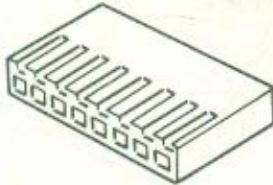
B4

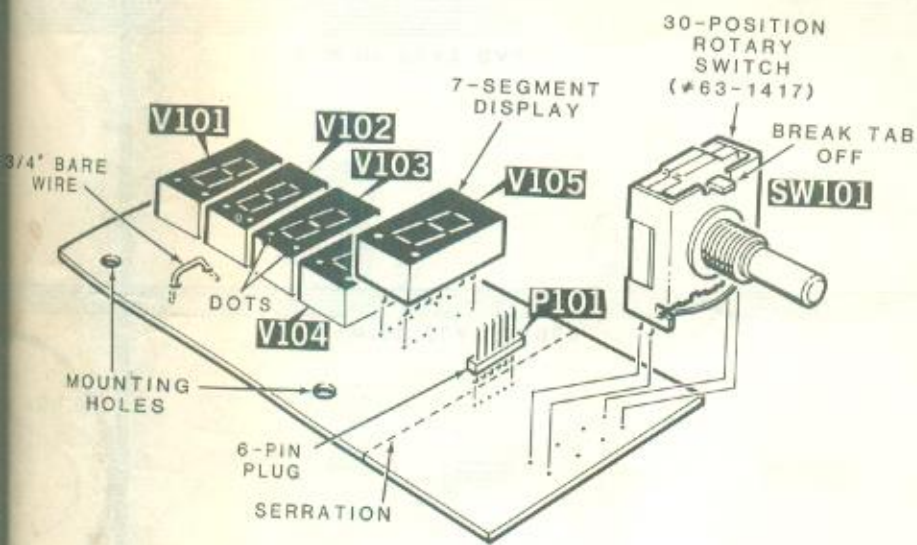


B5



B6

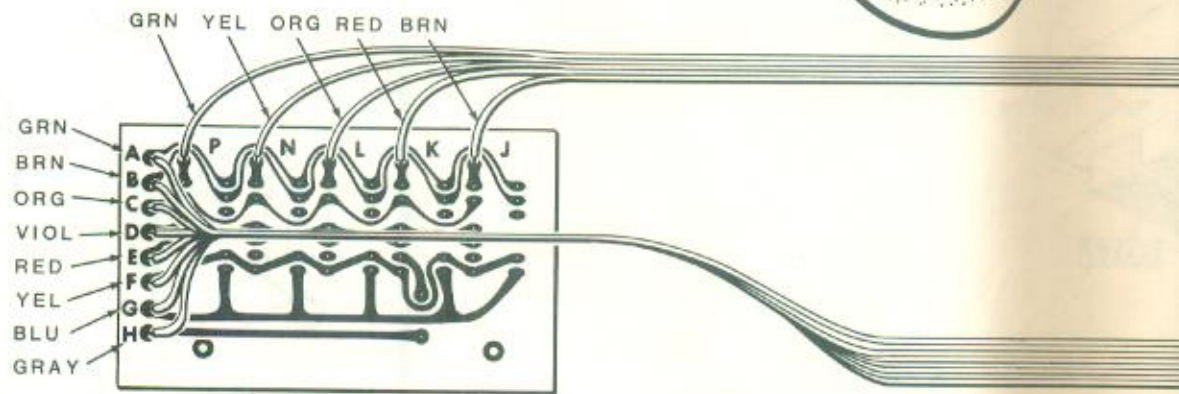




PICTORIAL 1-1

Model SW-7800

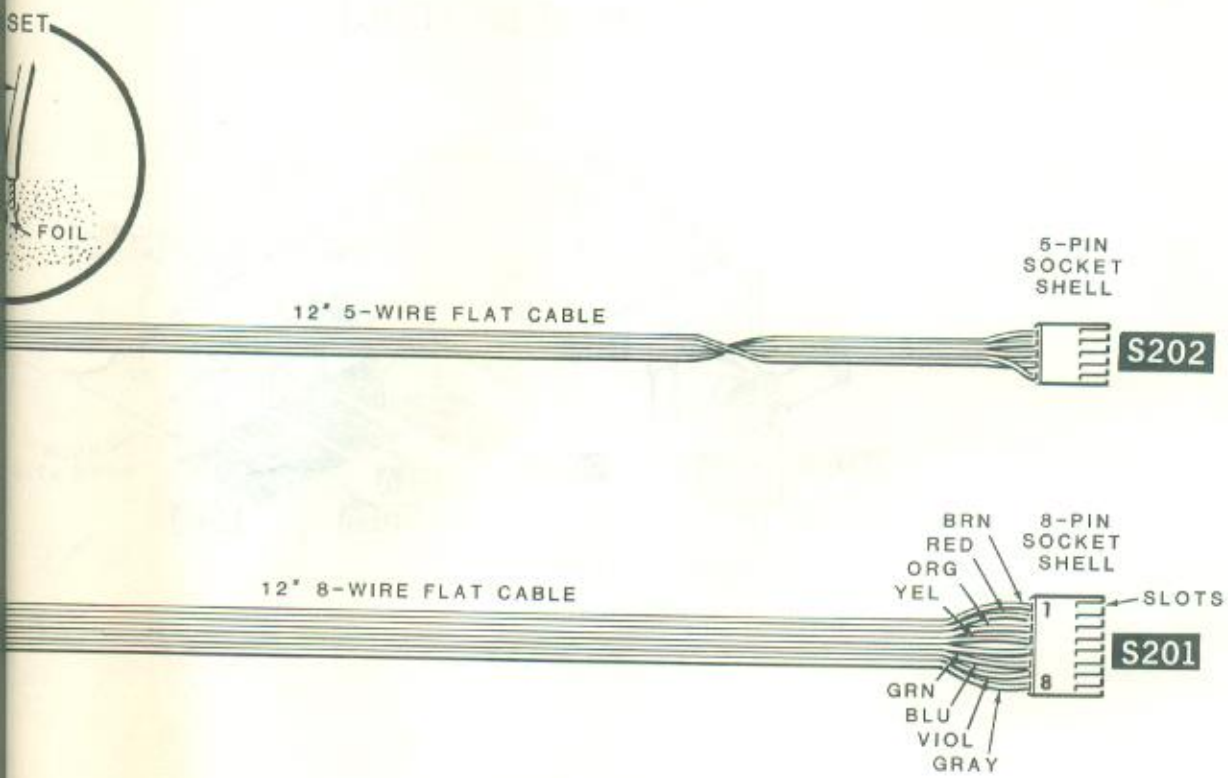
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DISPLAY  
CIRCUIT BOARD  
(FOIL SIDE)

PICTORIAL 1

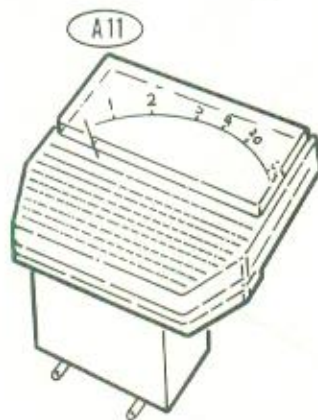
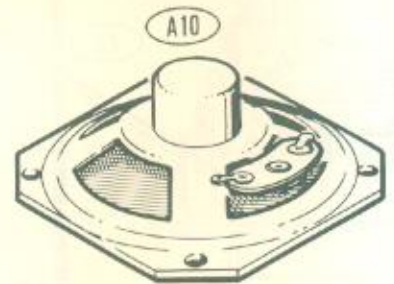
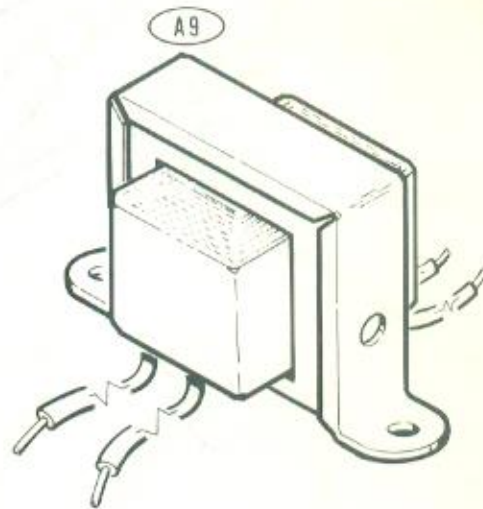
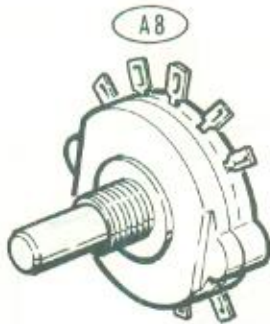
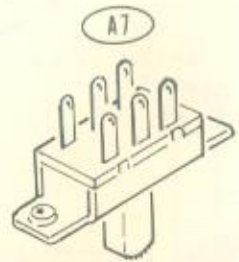
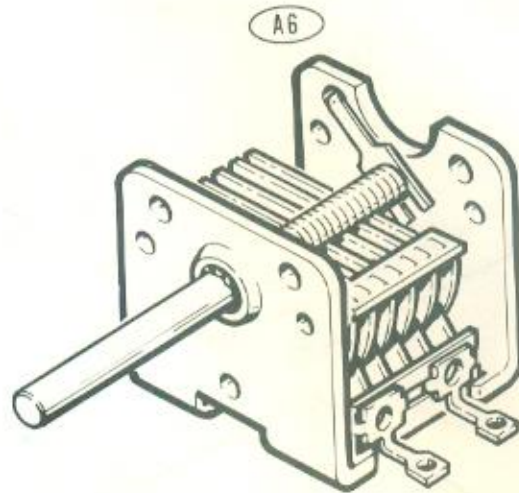
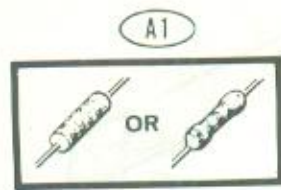




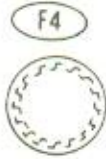
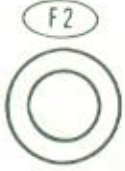
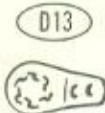
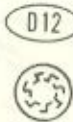
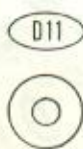
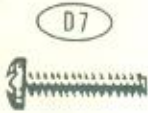
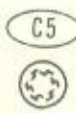
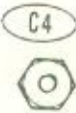
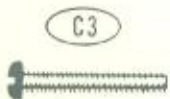
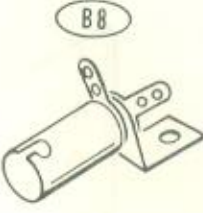
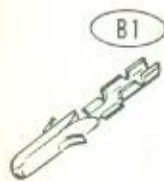
PICTORIAL 1-2



# CHASSIS PARTS

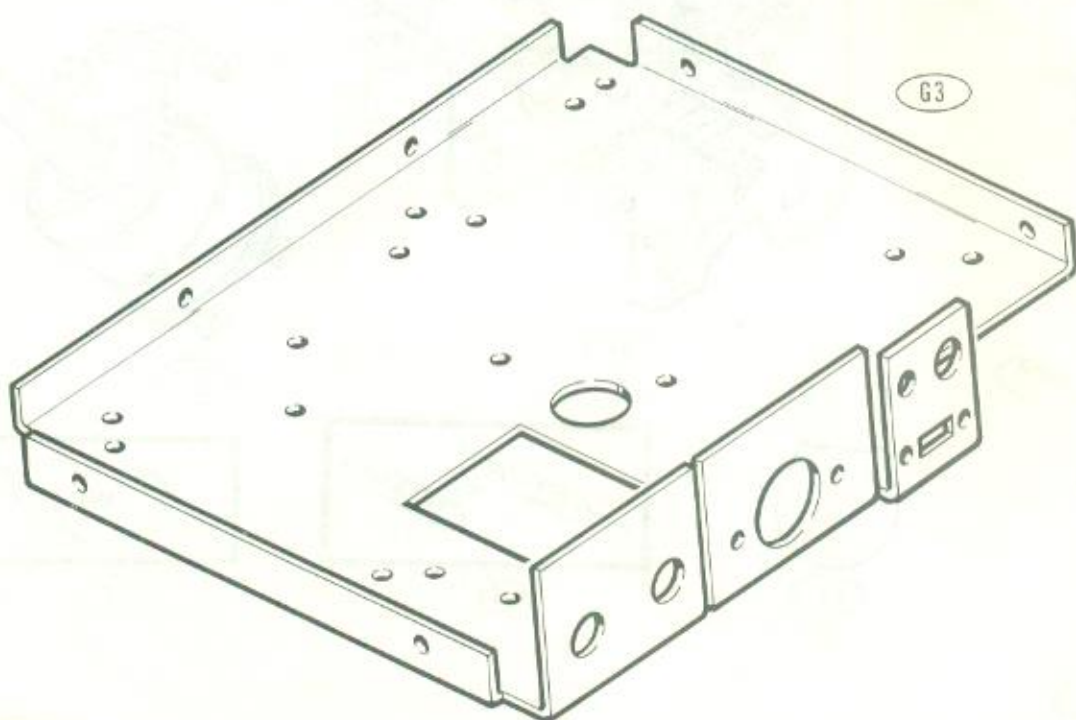
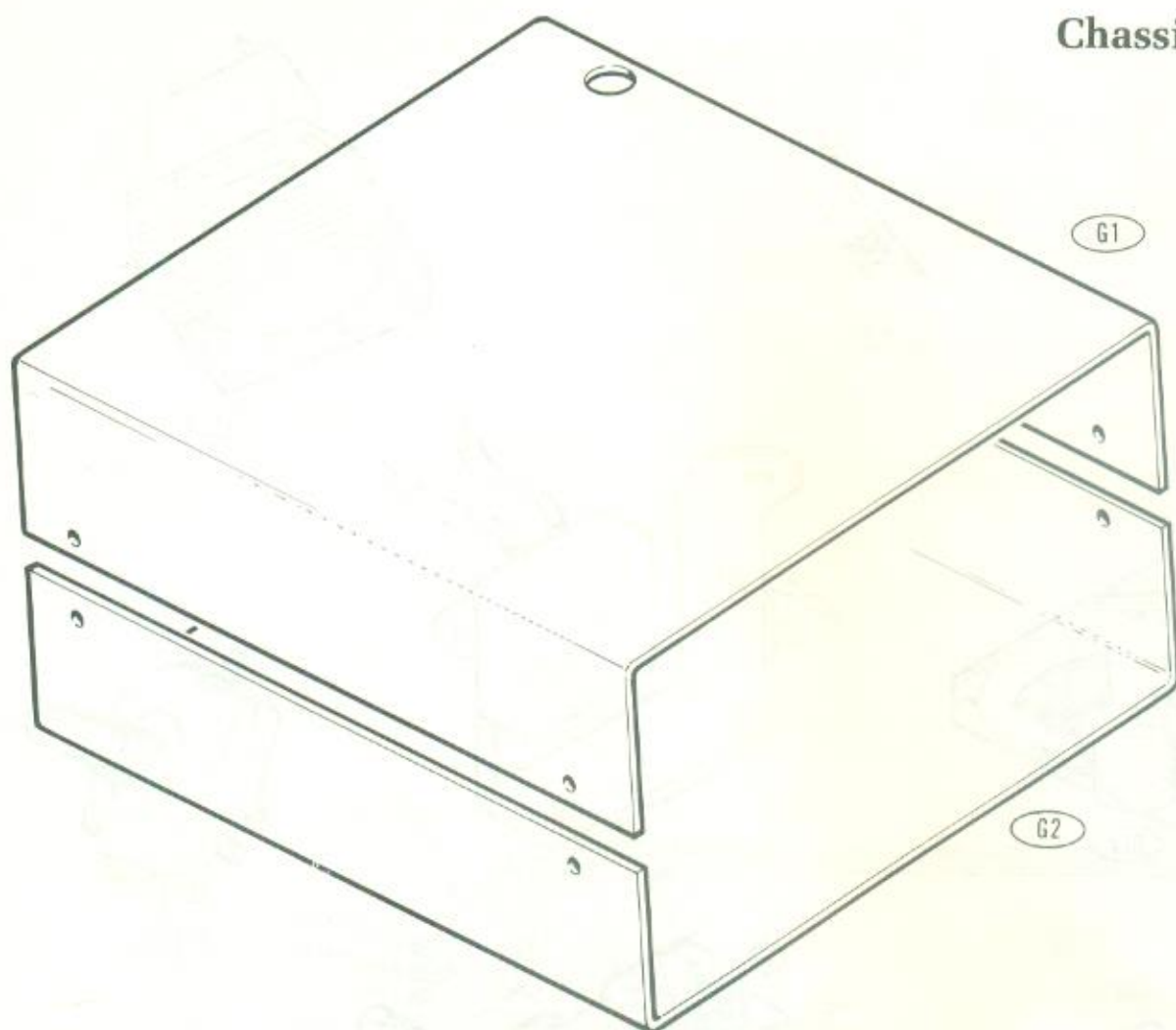


# SIS PARTS PICTORIAL

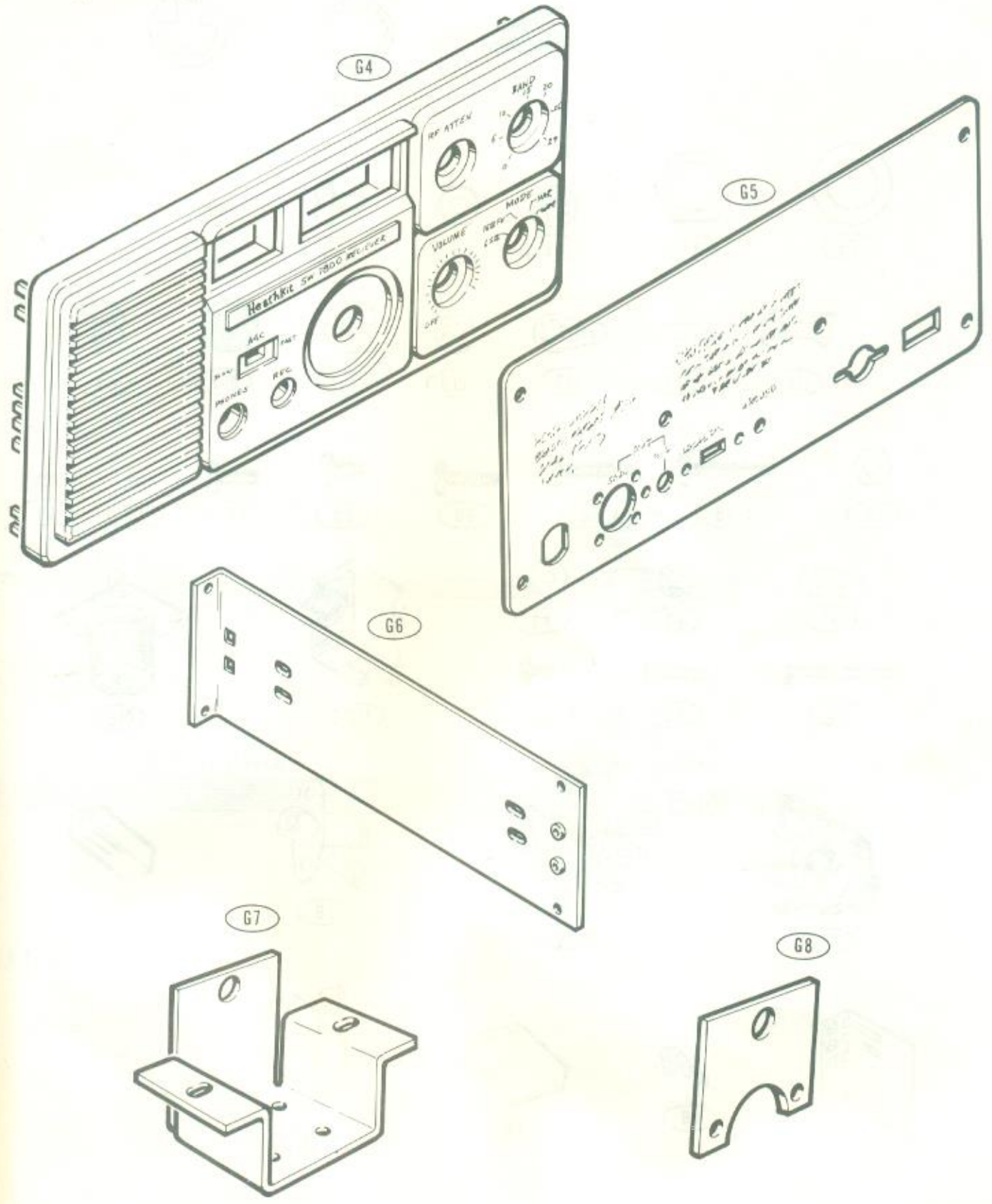




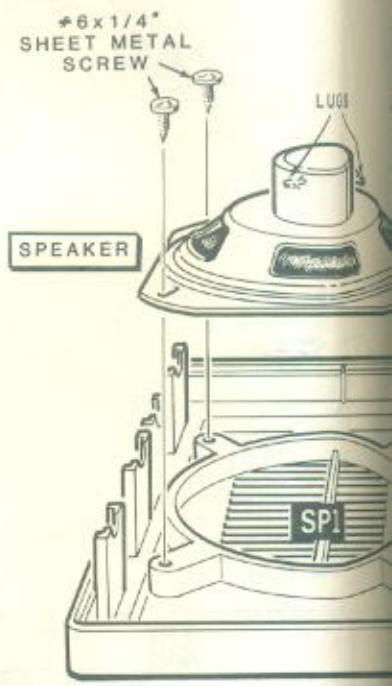
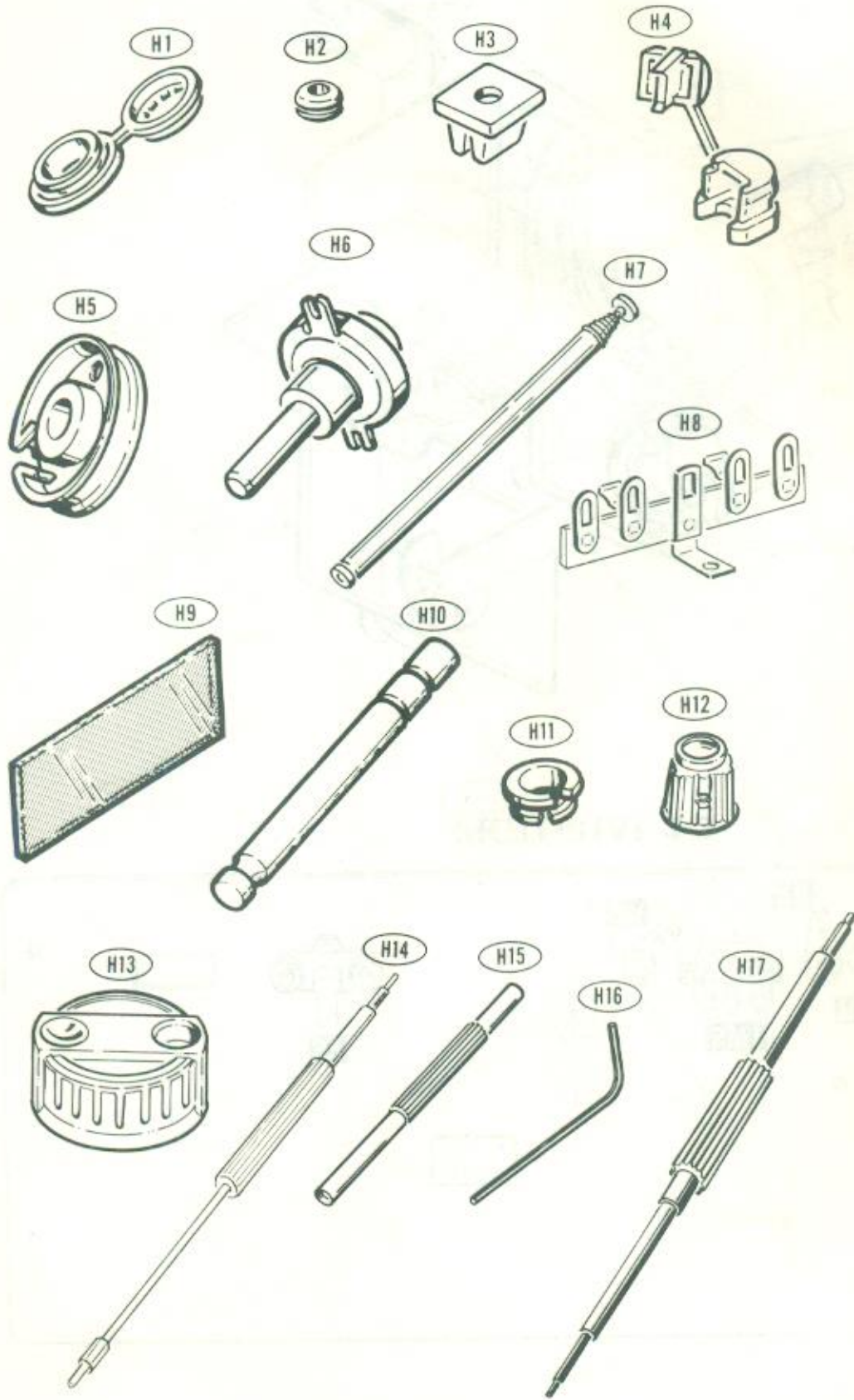
# Chassis Parts Picture



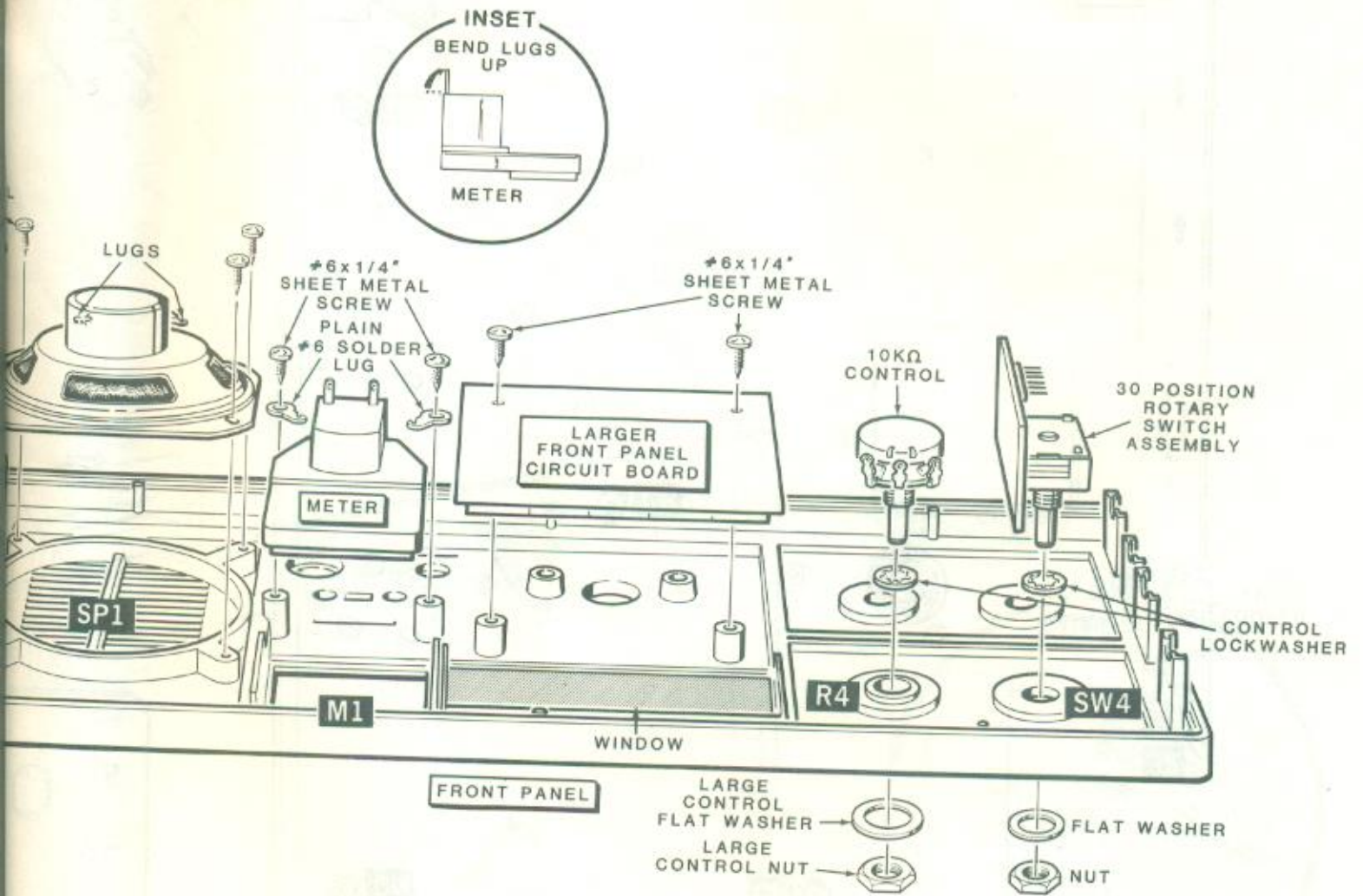




# Chassis Parts Pictorial (Cont'd.)

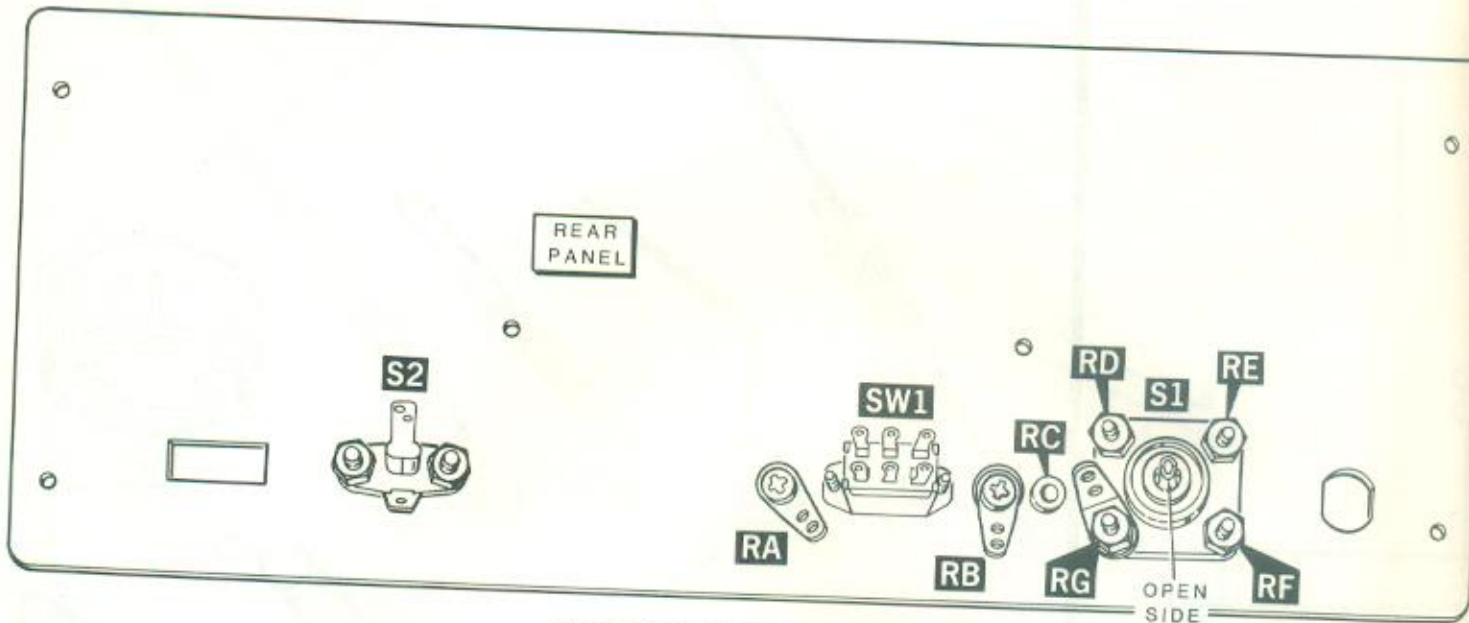




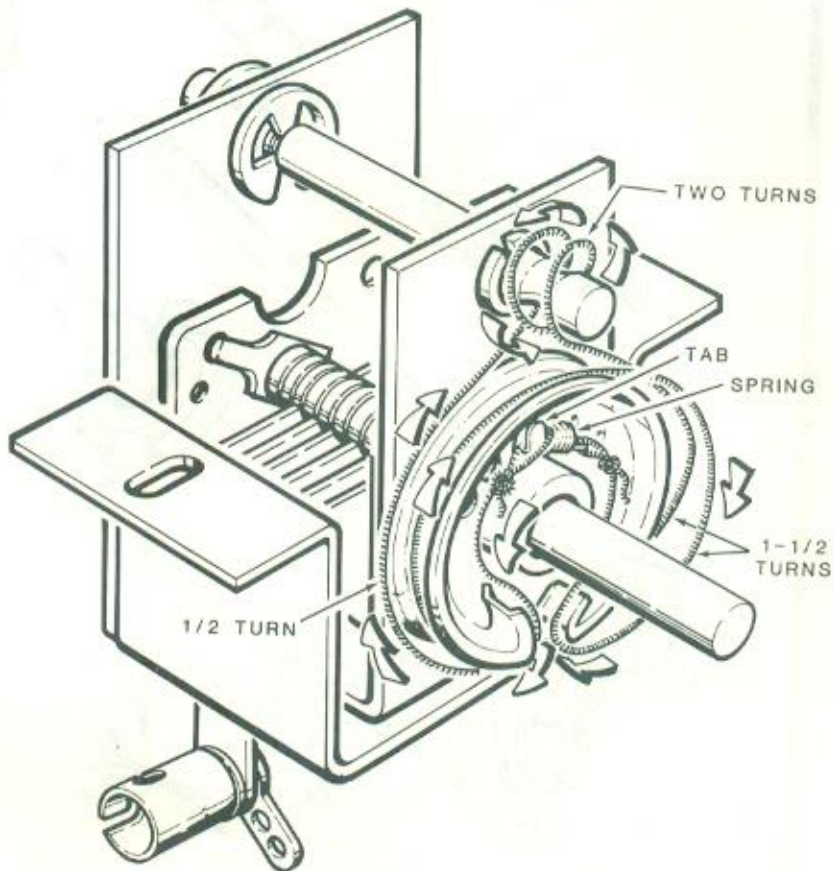


PICTORIAL 2-1

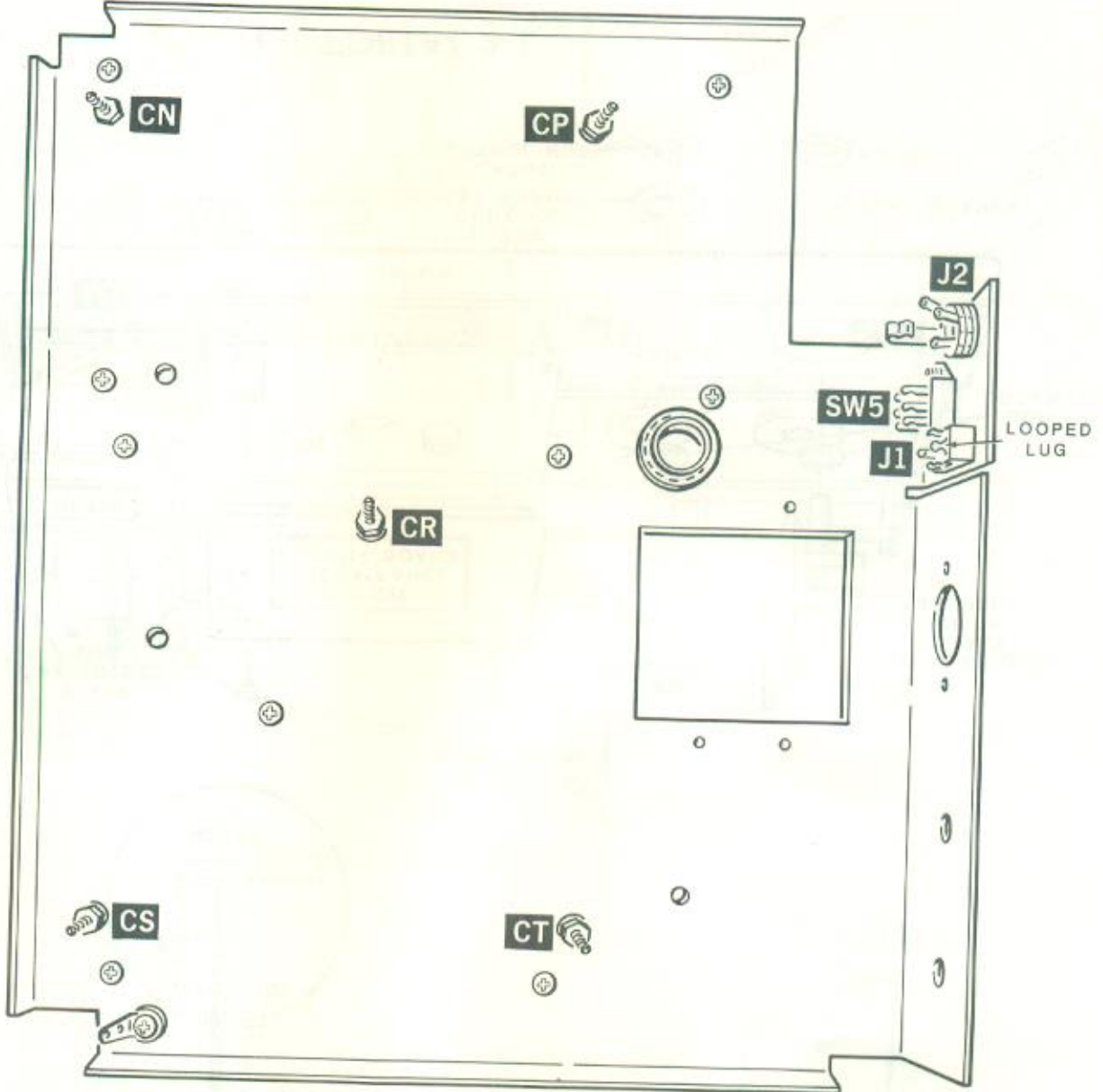




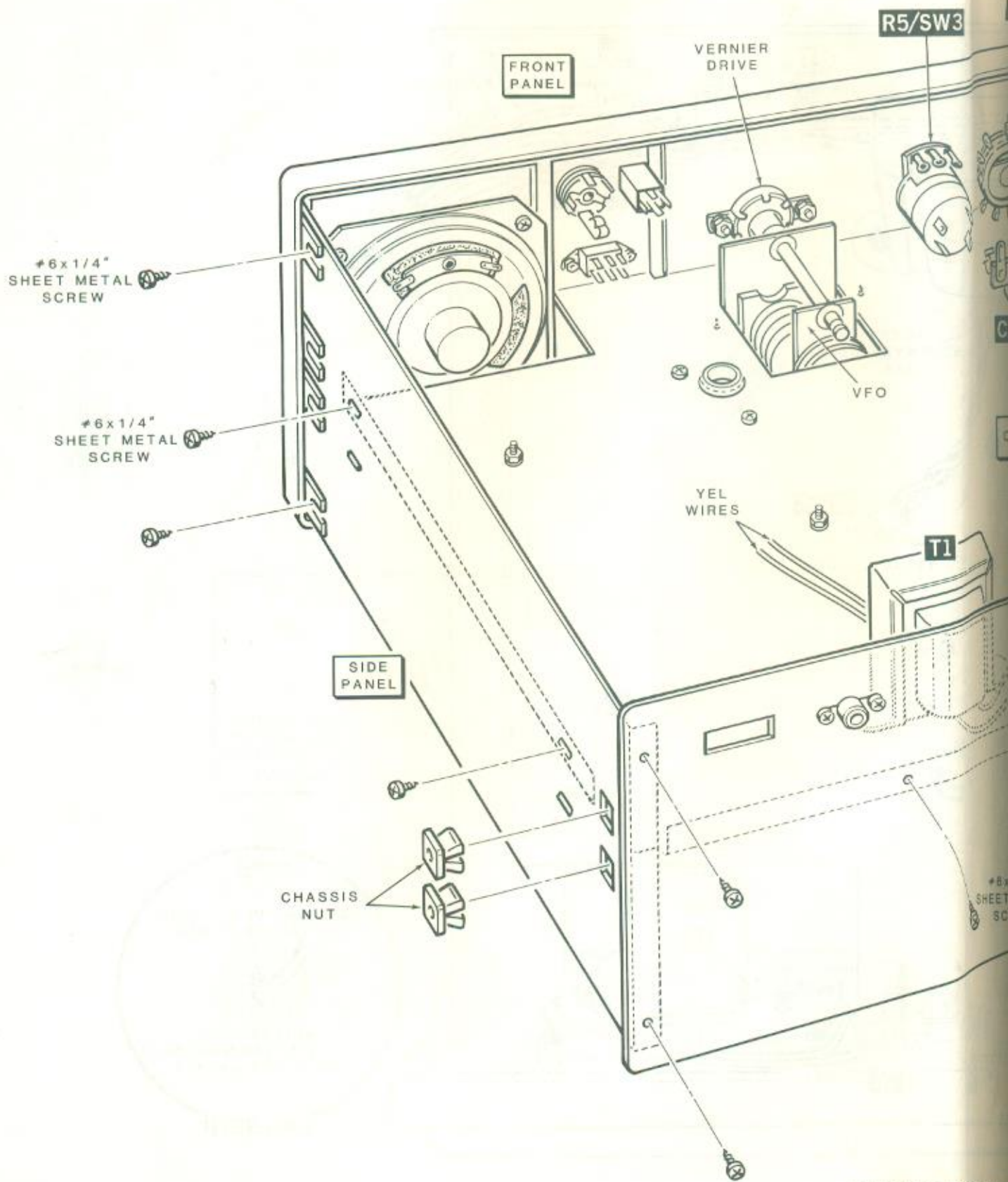
PICTORIAL 2-2



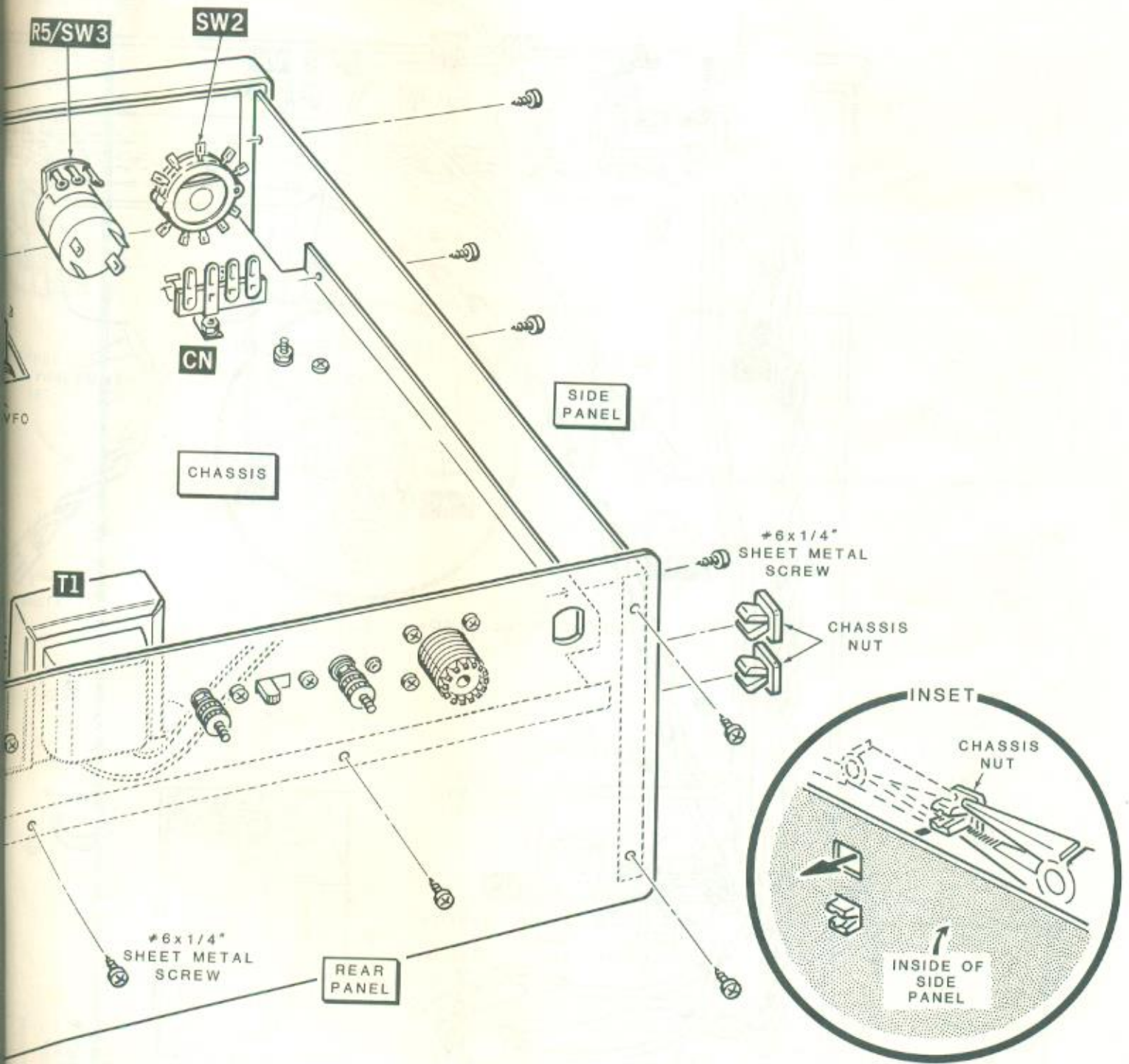
PICTORIAL 2-5



PICTORIAL 2-4





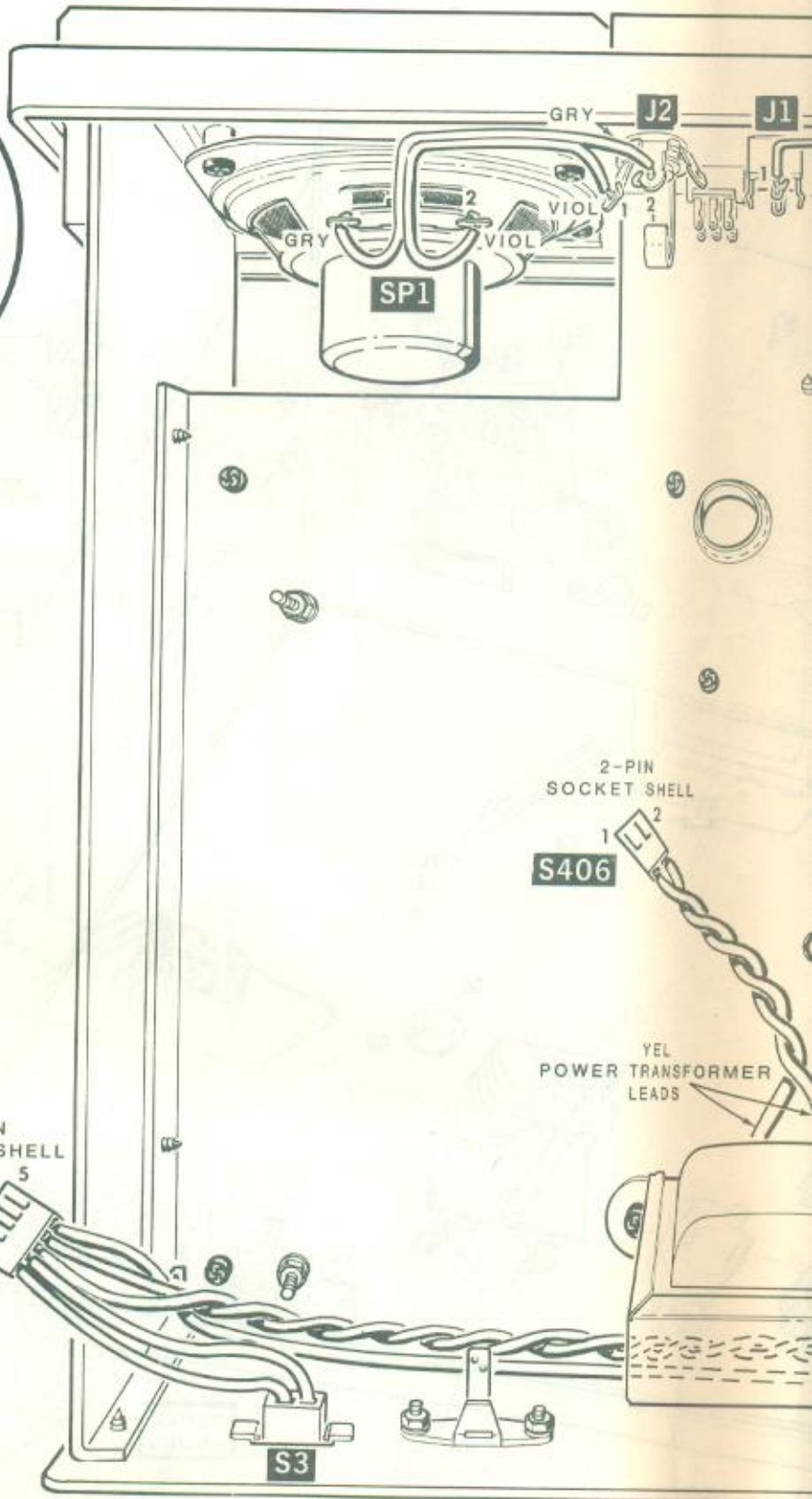


INSET # 1

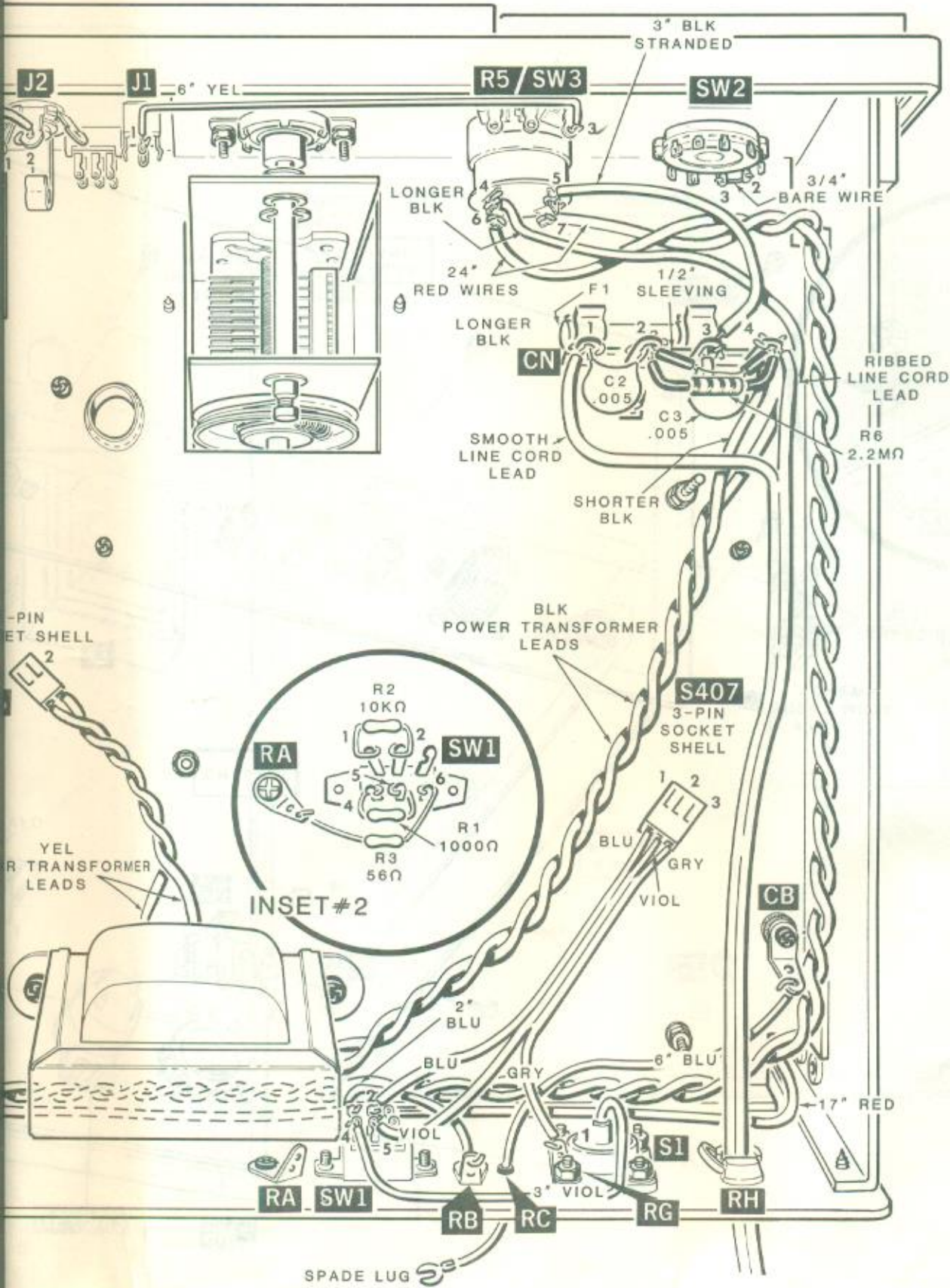
1. WRAP AND MAKE  
A MECHANICALLY SECURE  
CONNECTION.



2. THEN SOLDER AS  
DIRECTED IN THE STEP.



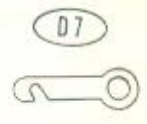
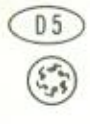
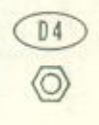
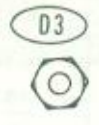
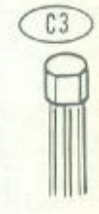
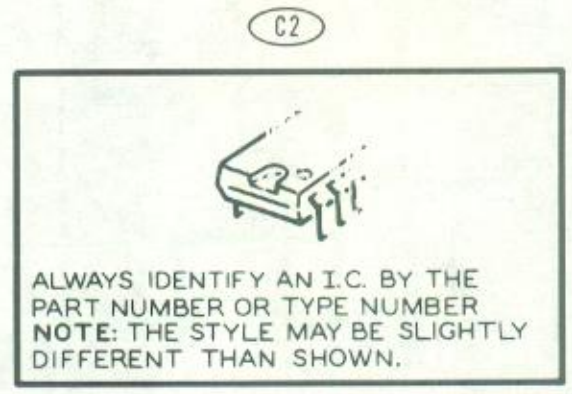
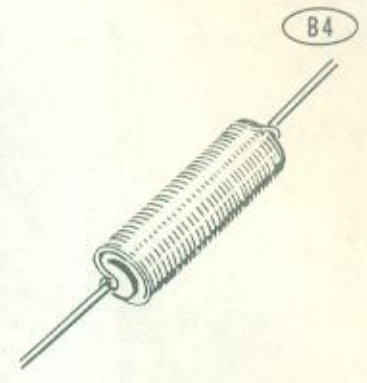
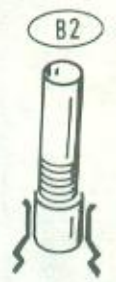
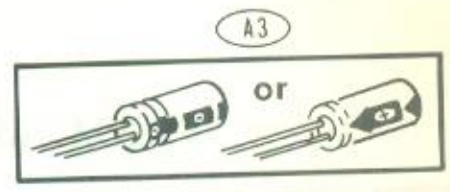




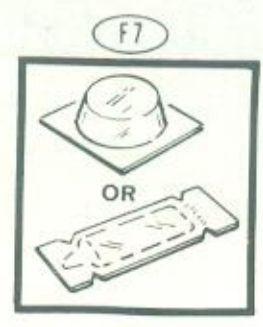
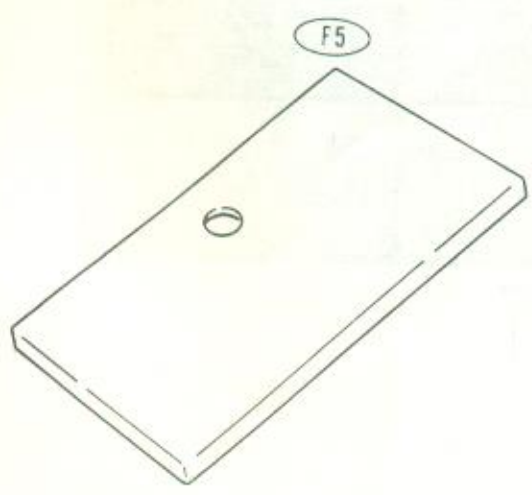
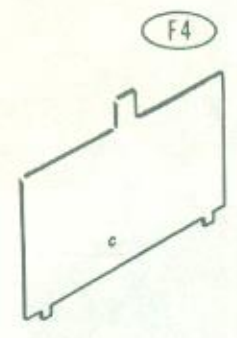
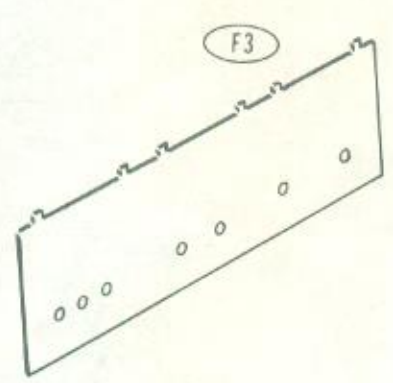
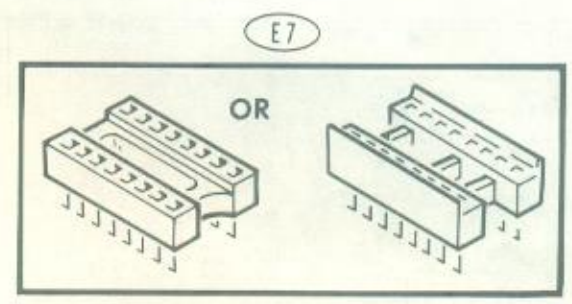
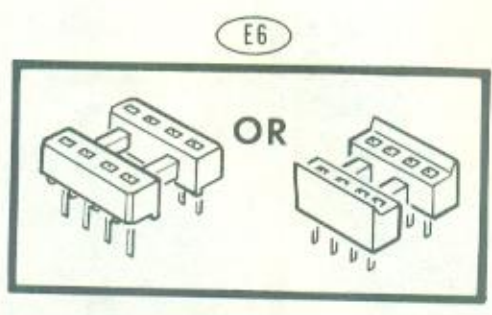
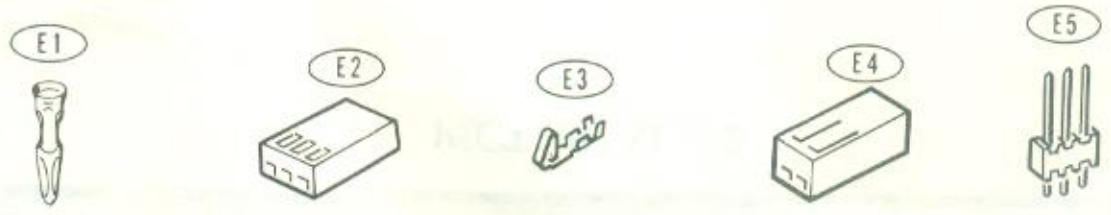
PICTORIAL 2-7



# CONTROLLER CIRCUIT PARTS PICKUP



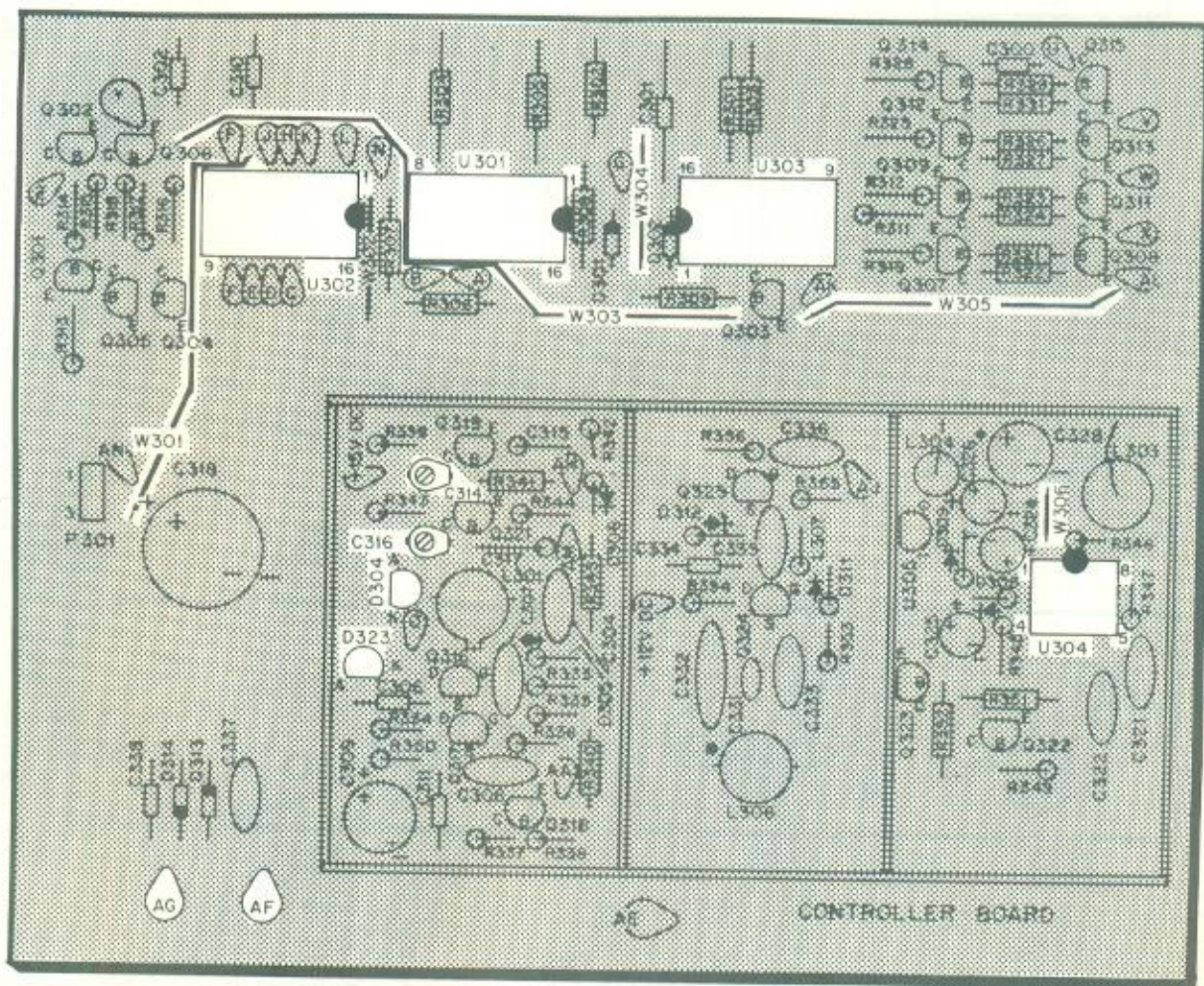
# ROLLER CIRCUIT BOARD PARTS PICTORIAL





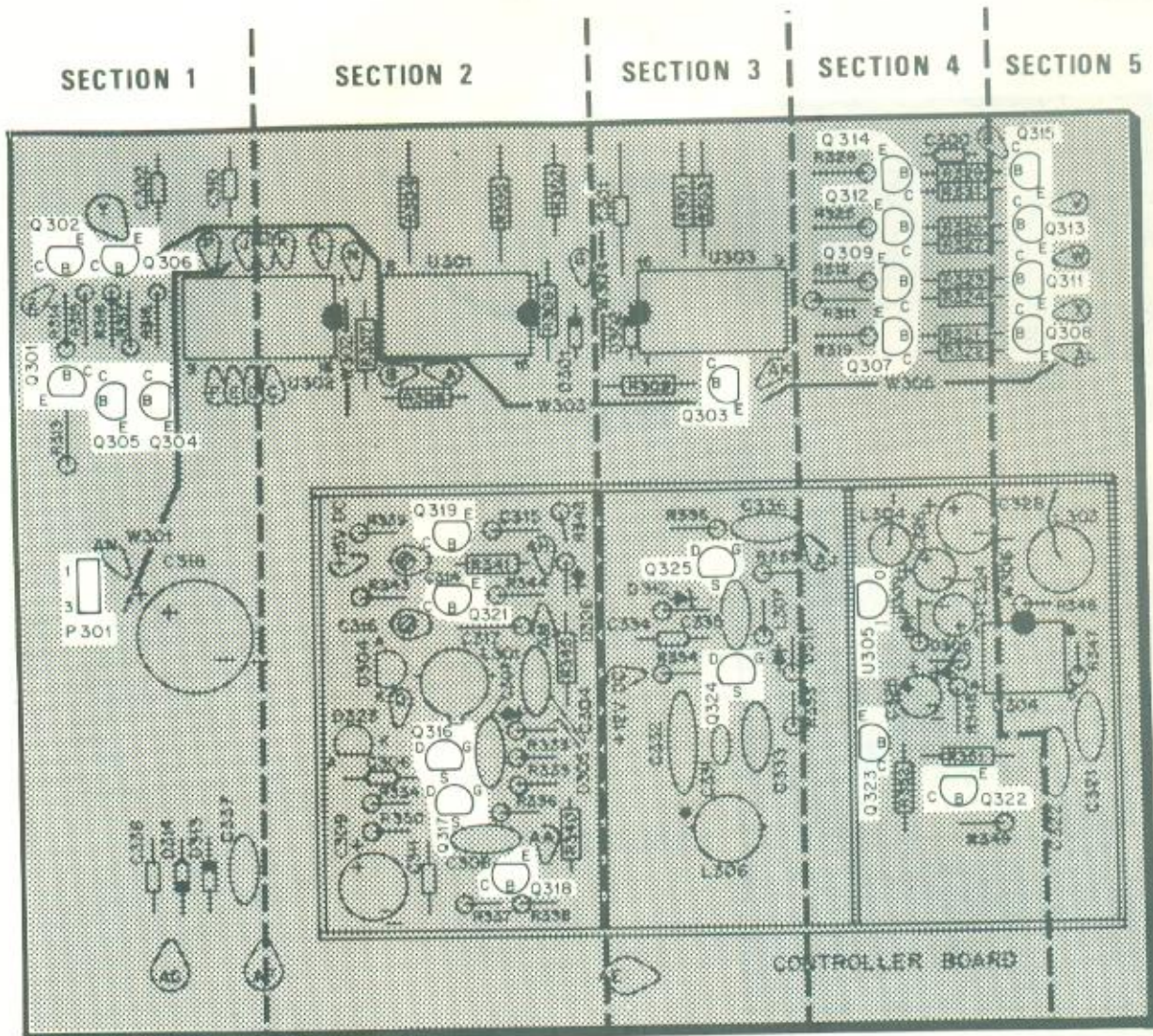






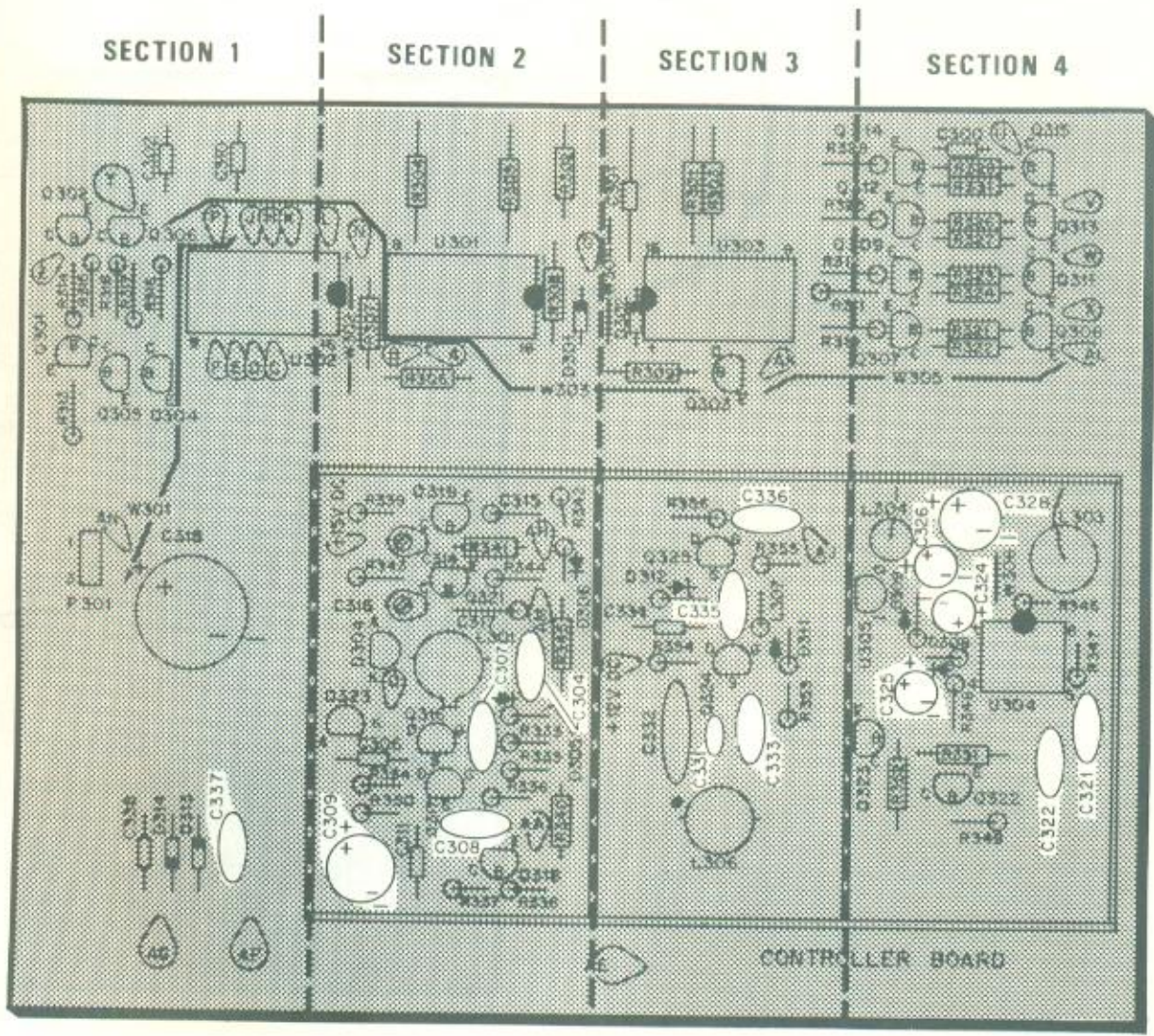
PICTORIAL 3-2





PICTORIAL 3-3



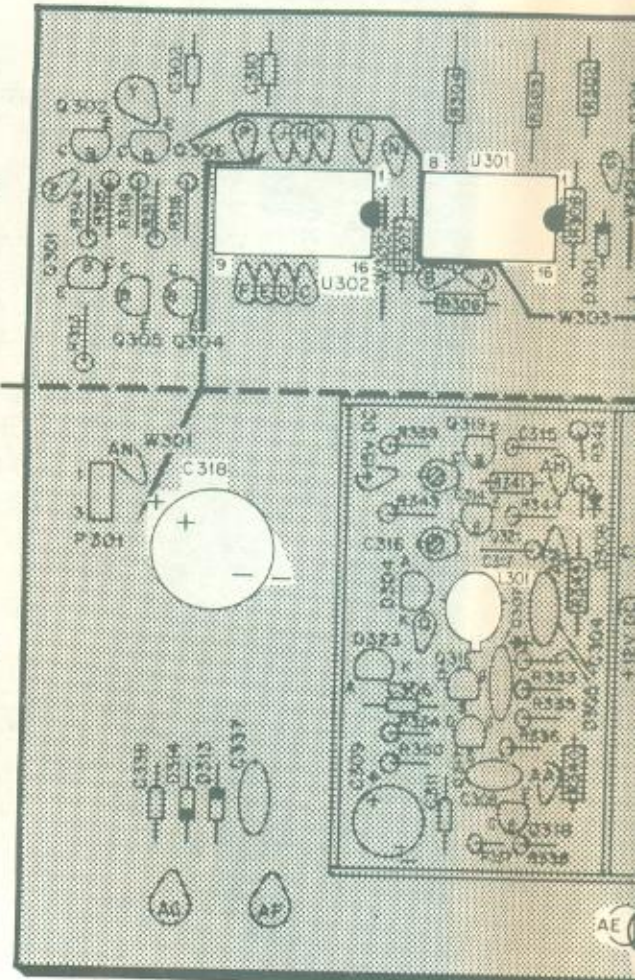


PICTORIAL 3-4

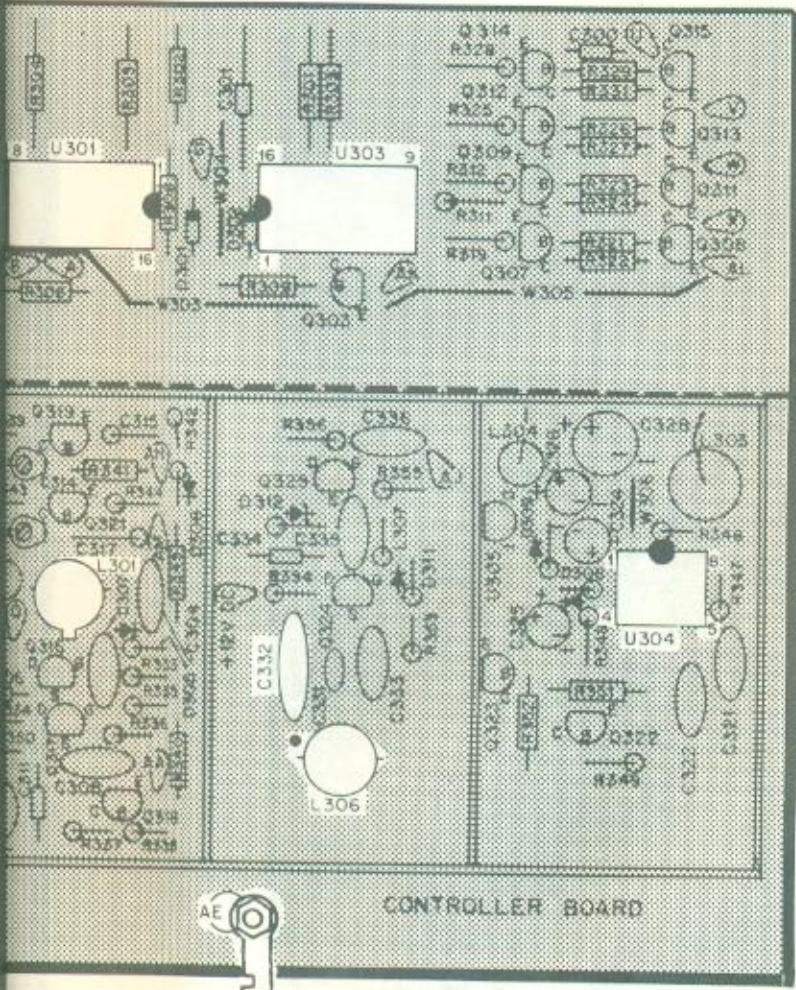


SECTION 1

SECTION 2



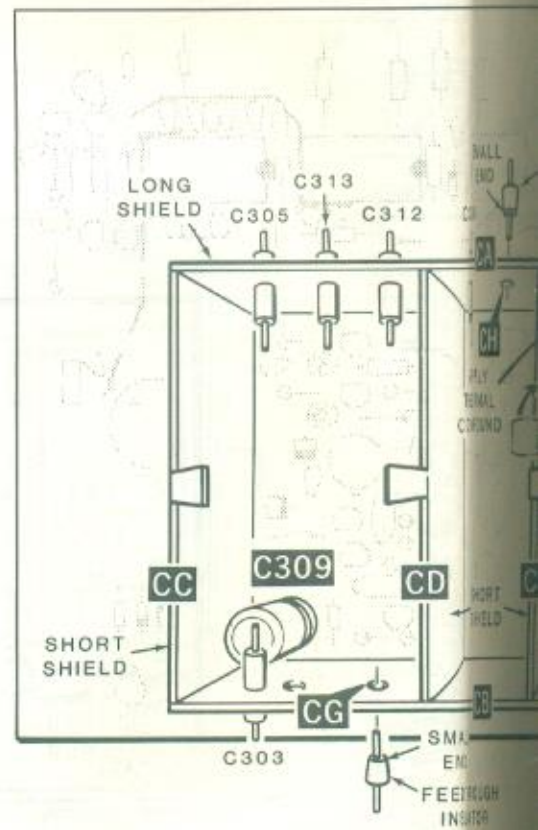
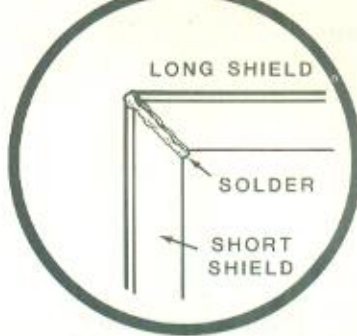
PICTORIAL 3



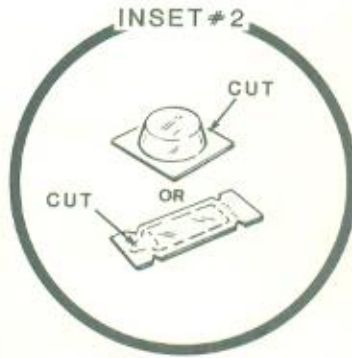
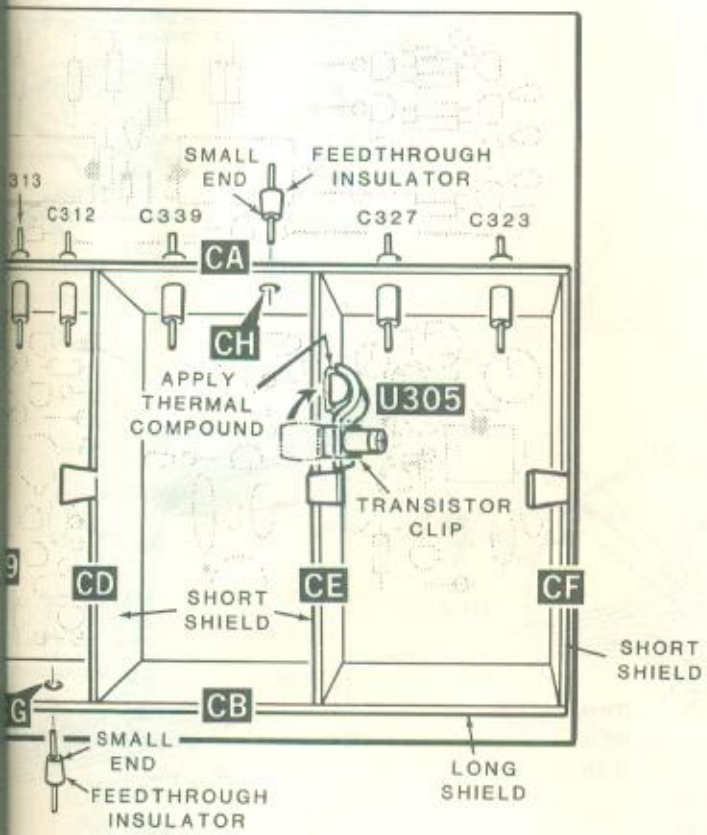
PICTORIAL 3-5



INSET #1

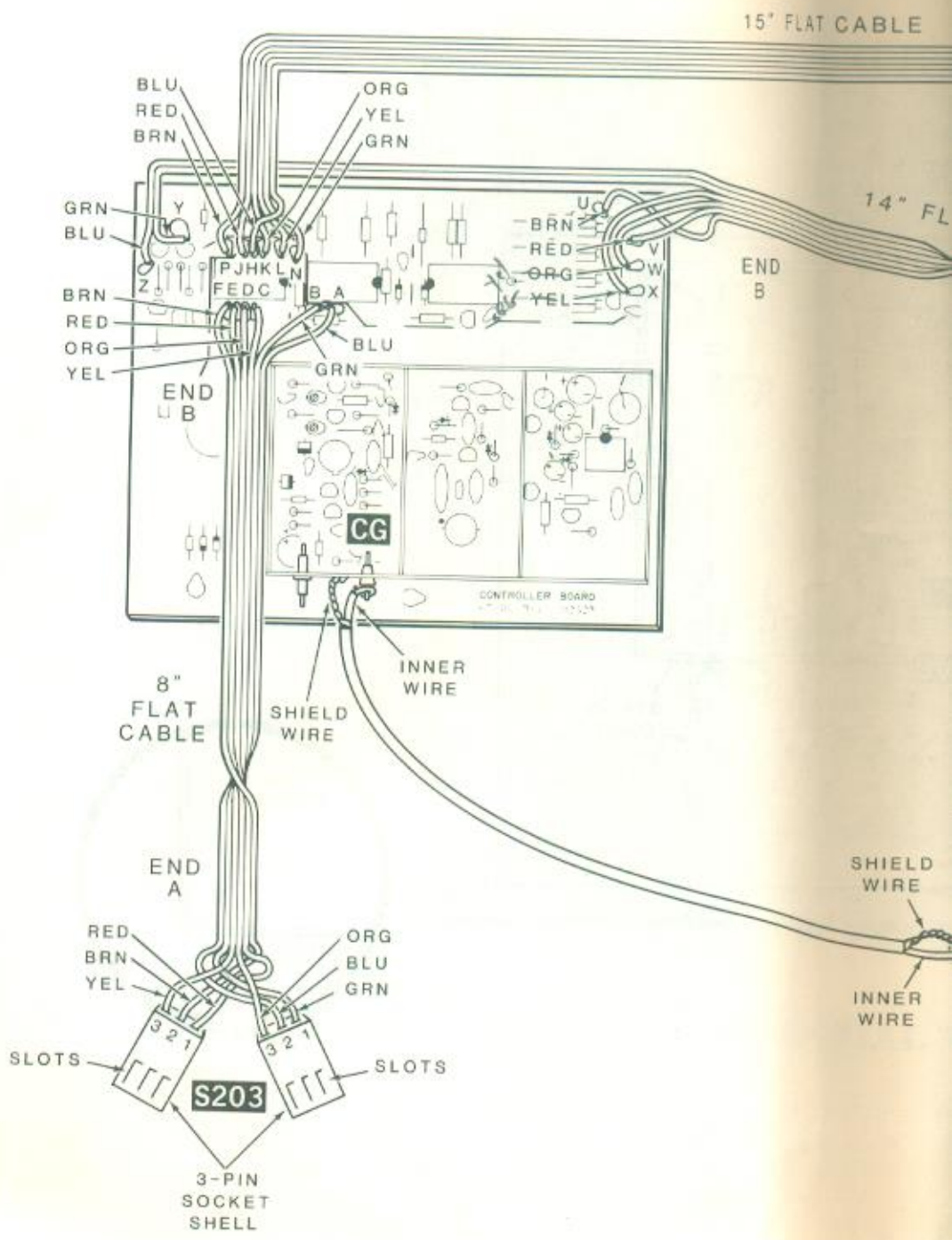


PICTOELL 3-6



PICTORIAL 3-6





15" FLAT CABLE

14" FL

END B

8" FLAT CABLE

INNER WIRE

SHIELD WIRE

END A

SHIELD WIRE

INNER WIRE

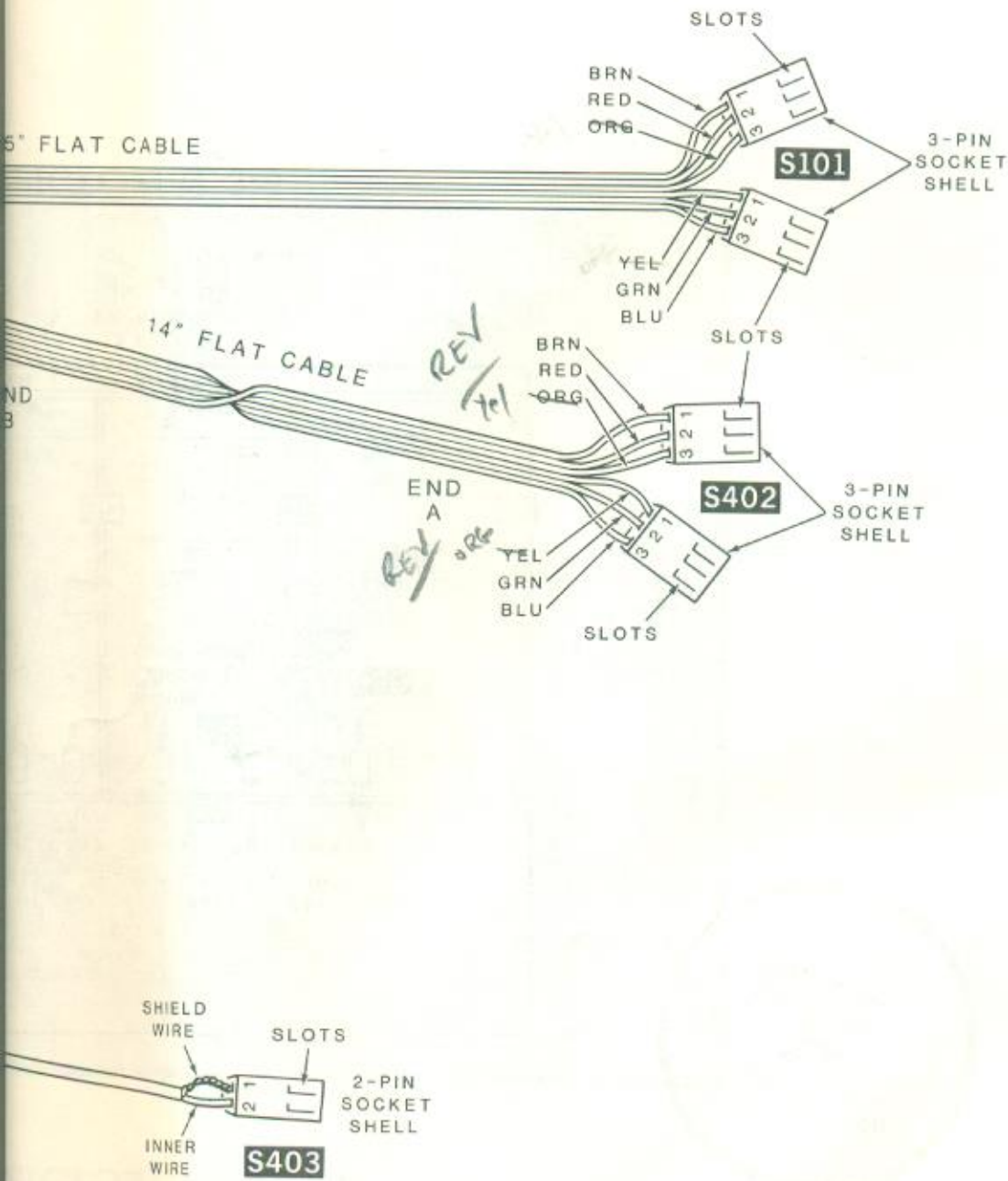
SLOTS

SLOTS

S203

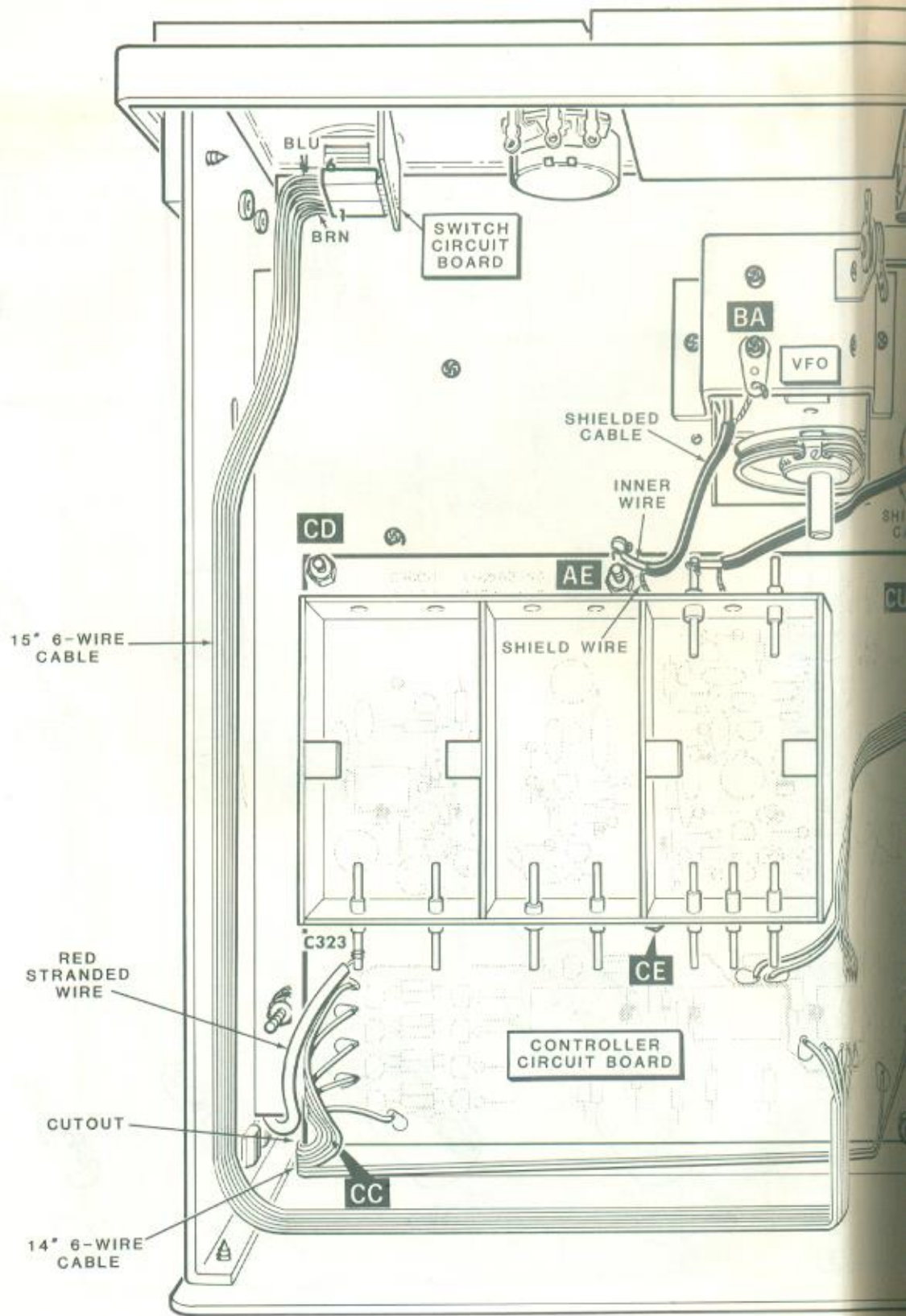
3-PIN SOCKET SHELL

PICTORIAL

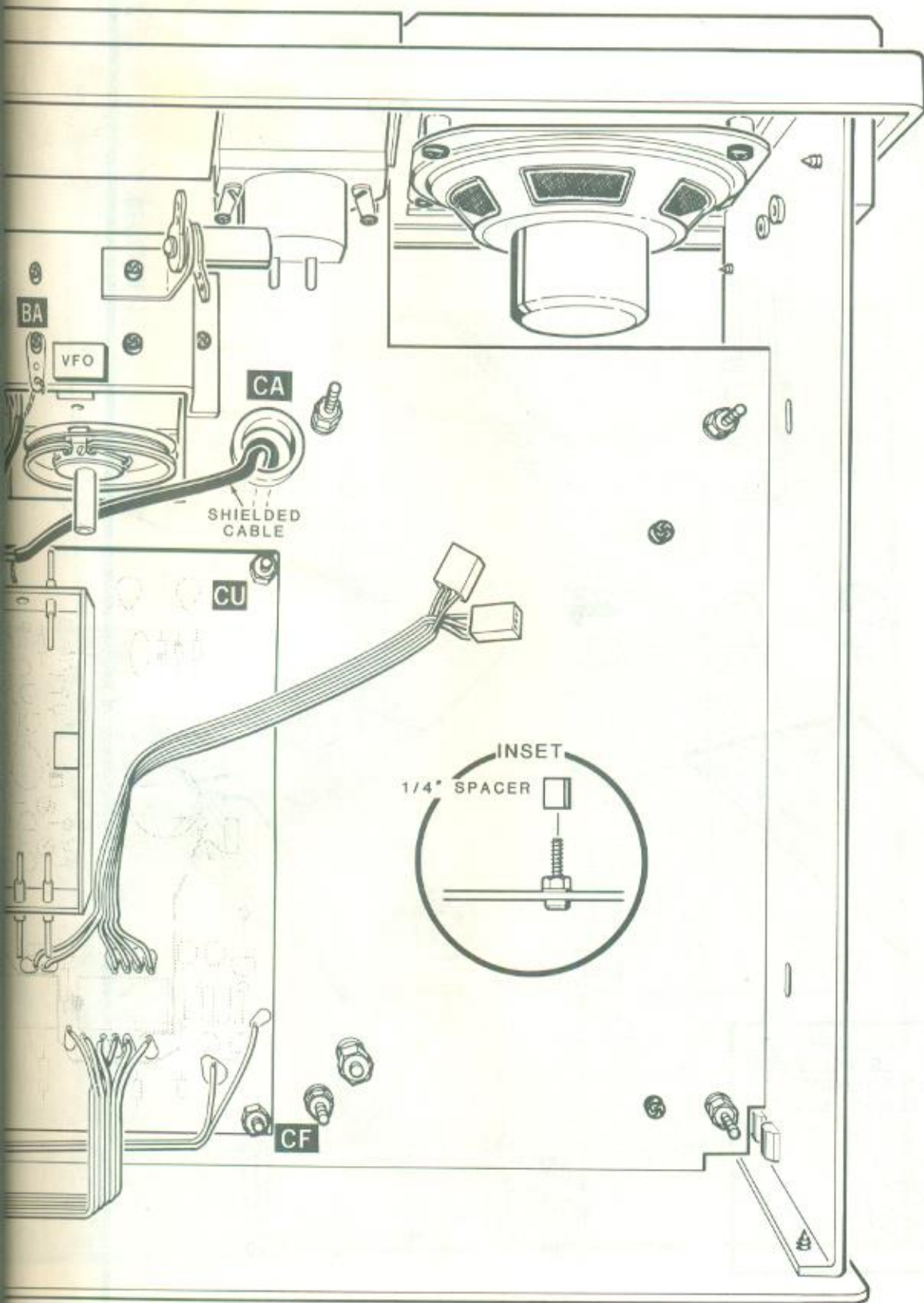


PICTORIAL 3-9





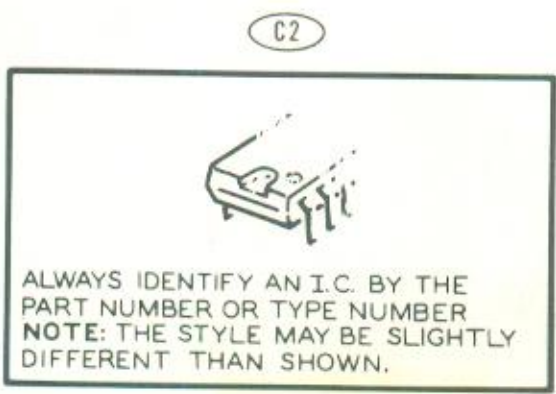
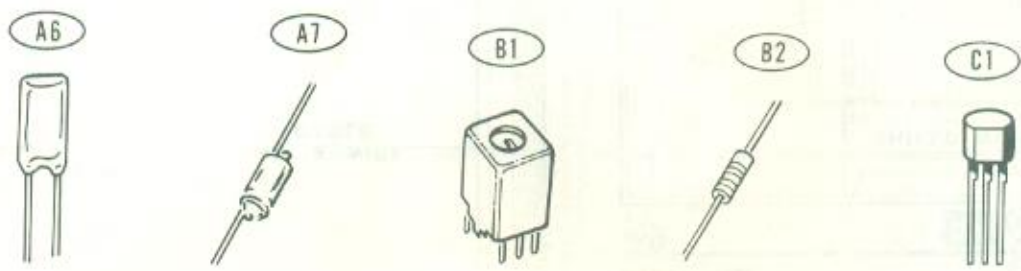
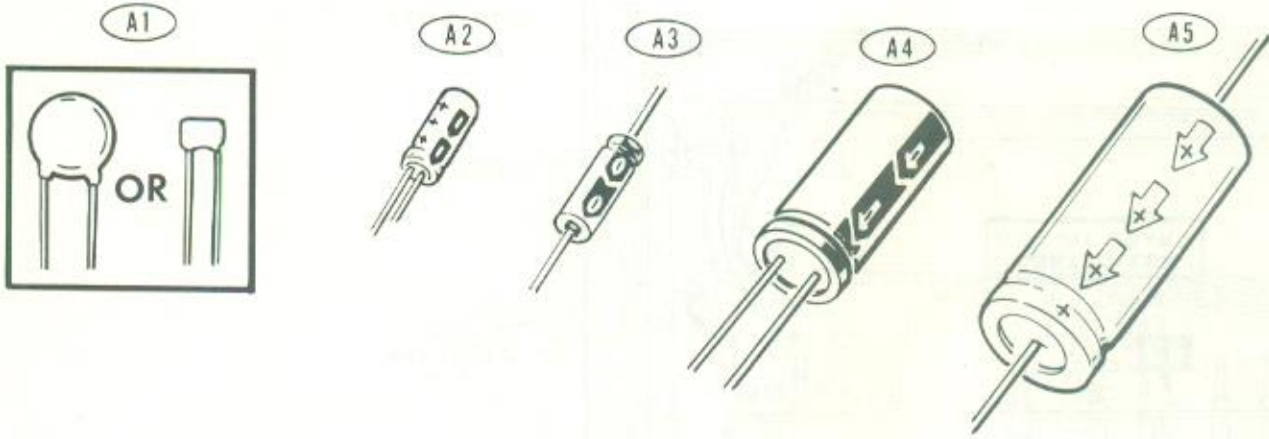
PICTORIAL 3-10

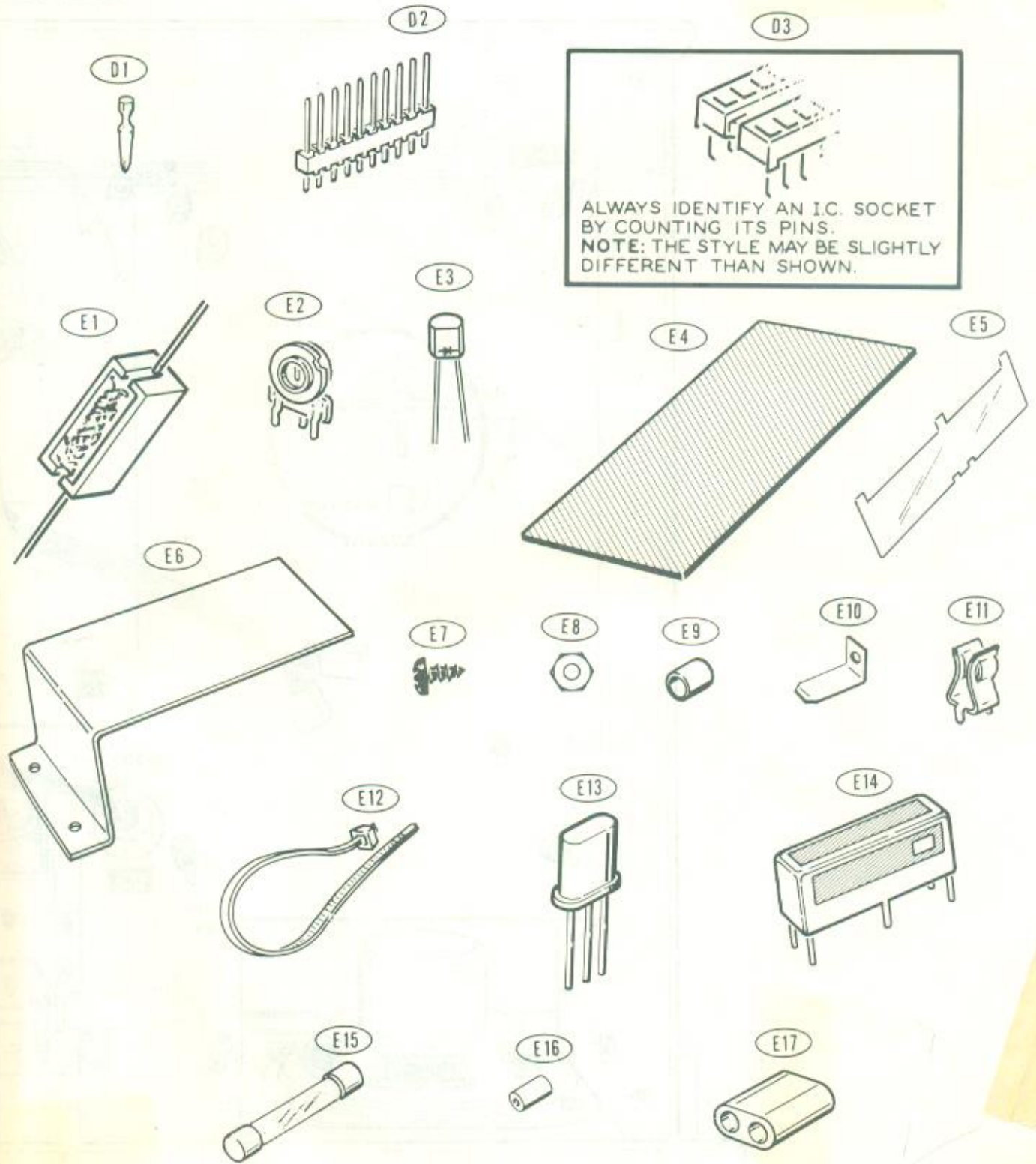


PICTORIAL 3-10



# RECEIVER CIRCUIT PARTS PICTORIAL







SECTION 7

SECTION 6

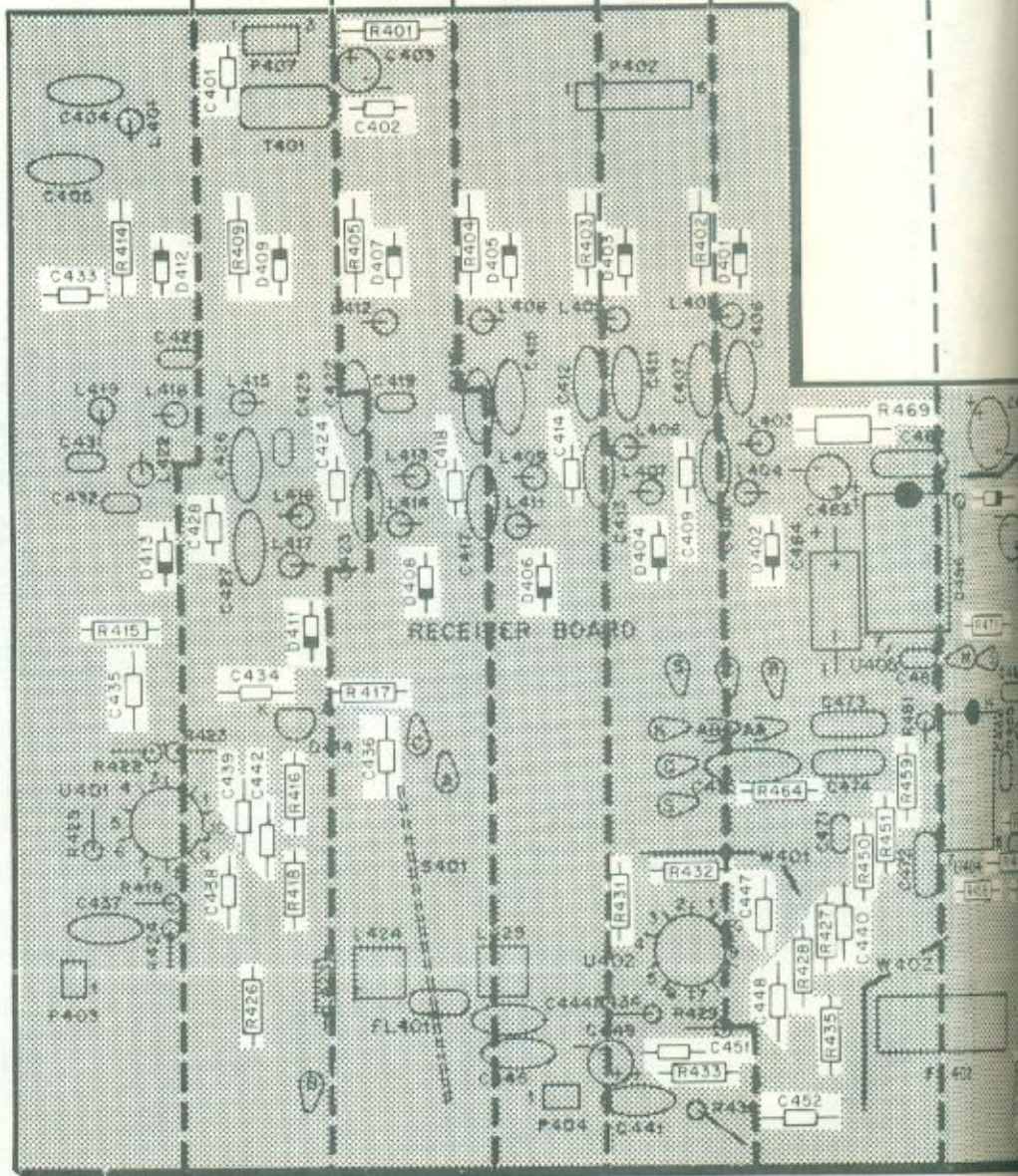
SECTION 5

SECTION 4

SECTION 3

SECTION 2

SECTION 1



PICTORIAL



SECTION 6

SECTION 7

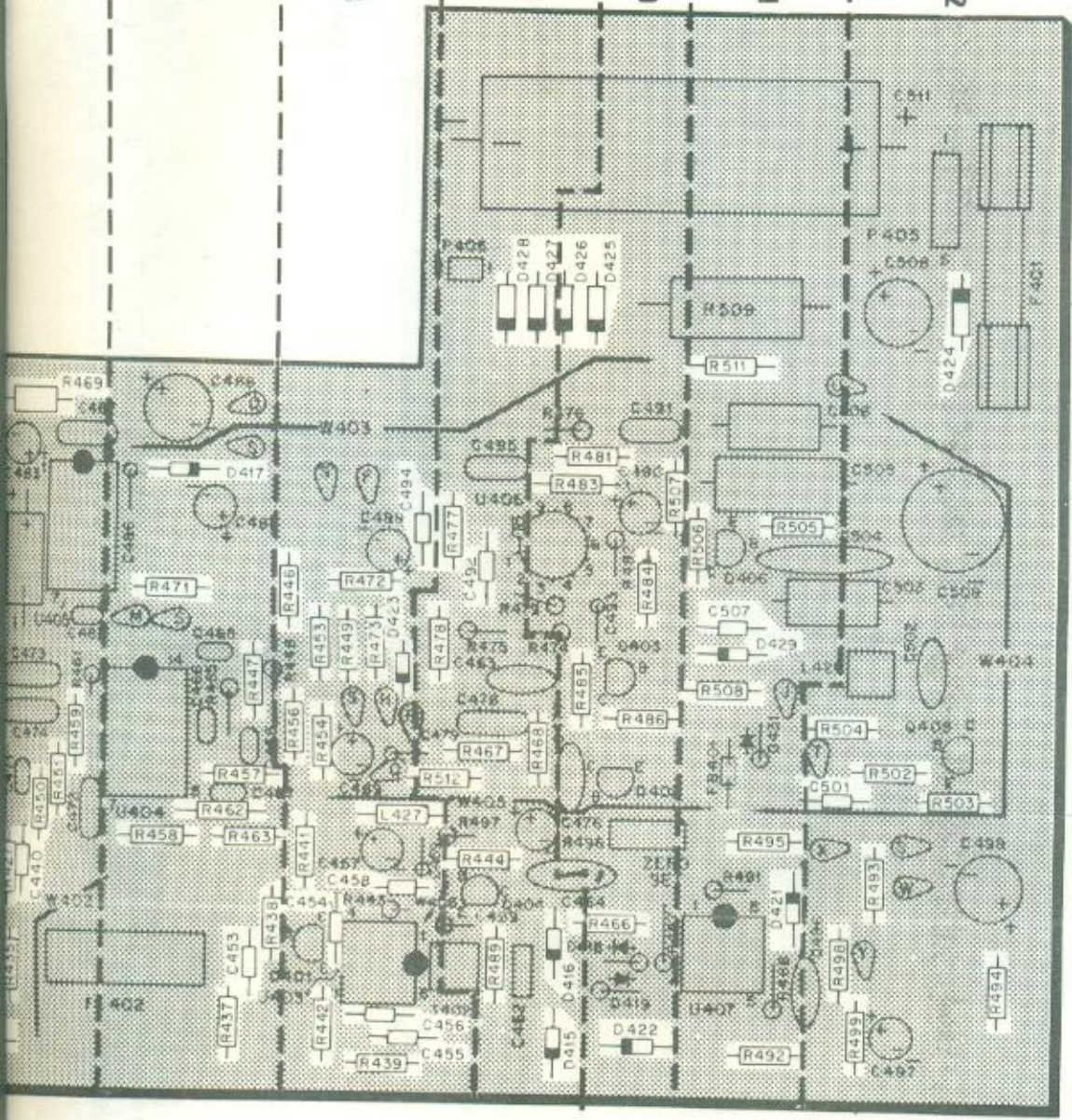
SECTION 8

SECTION 9

SECTION 10

SECTION 11

SECTION 12



PICTORIAL 4-1

Page 8 of 10  
SW-7800/595-3052  
591-4547



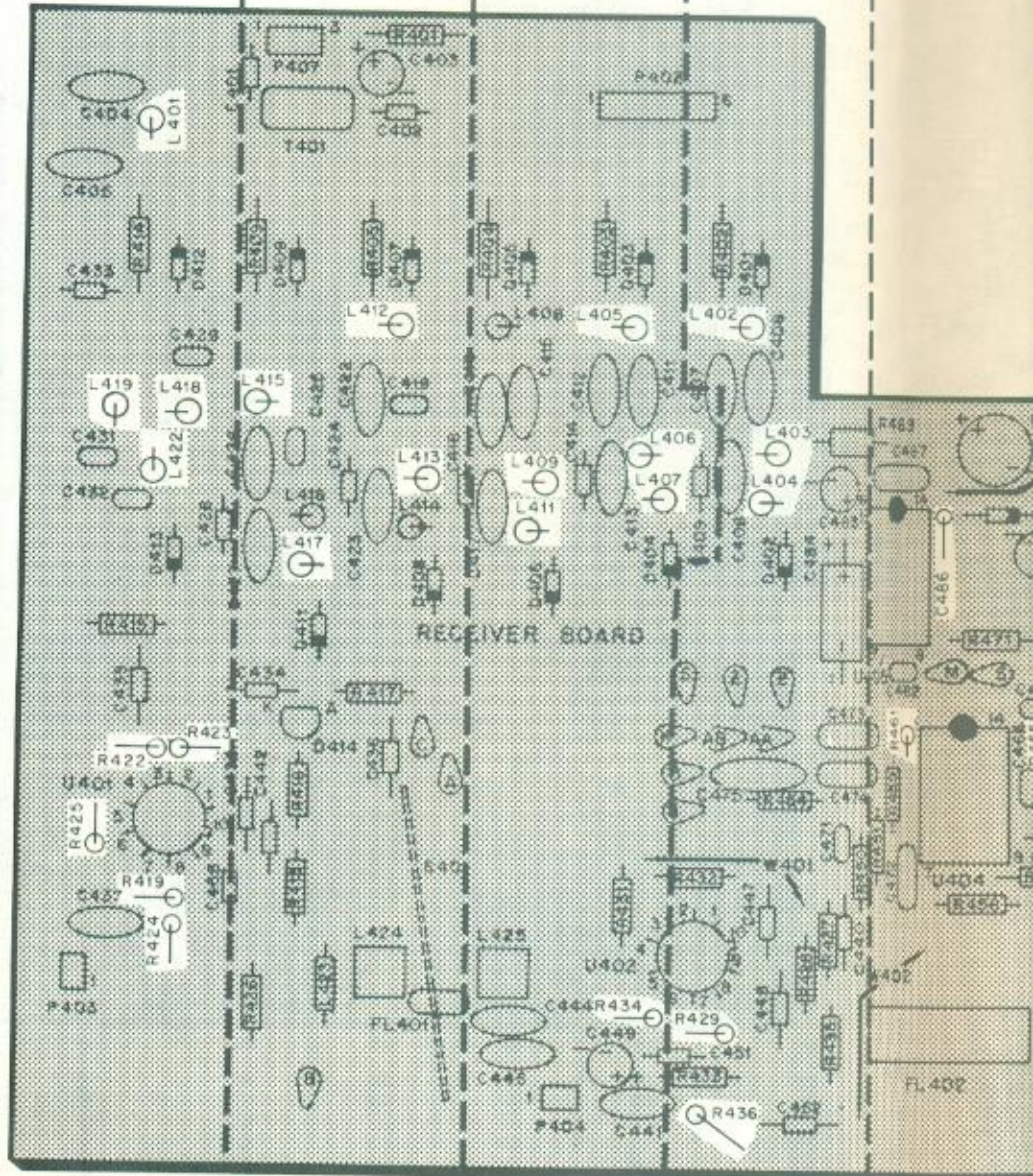
SECTION 1

SECTION 2

SECTION 3

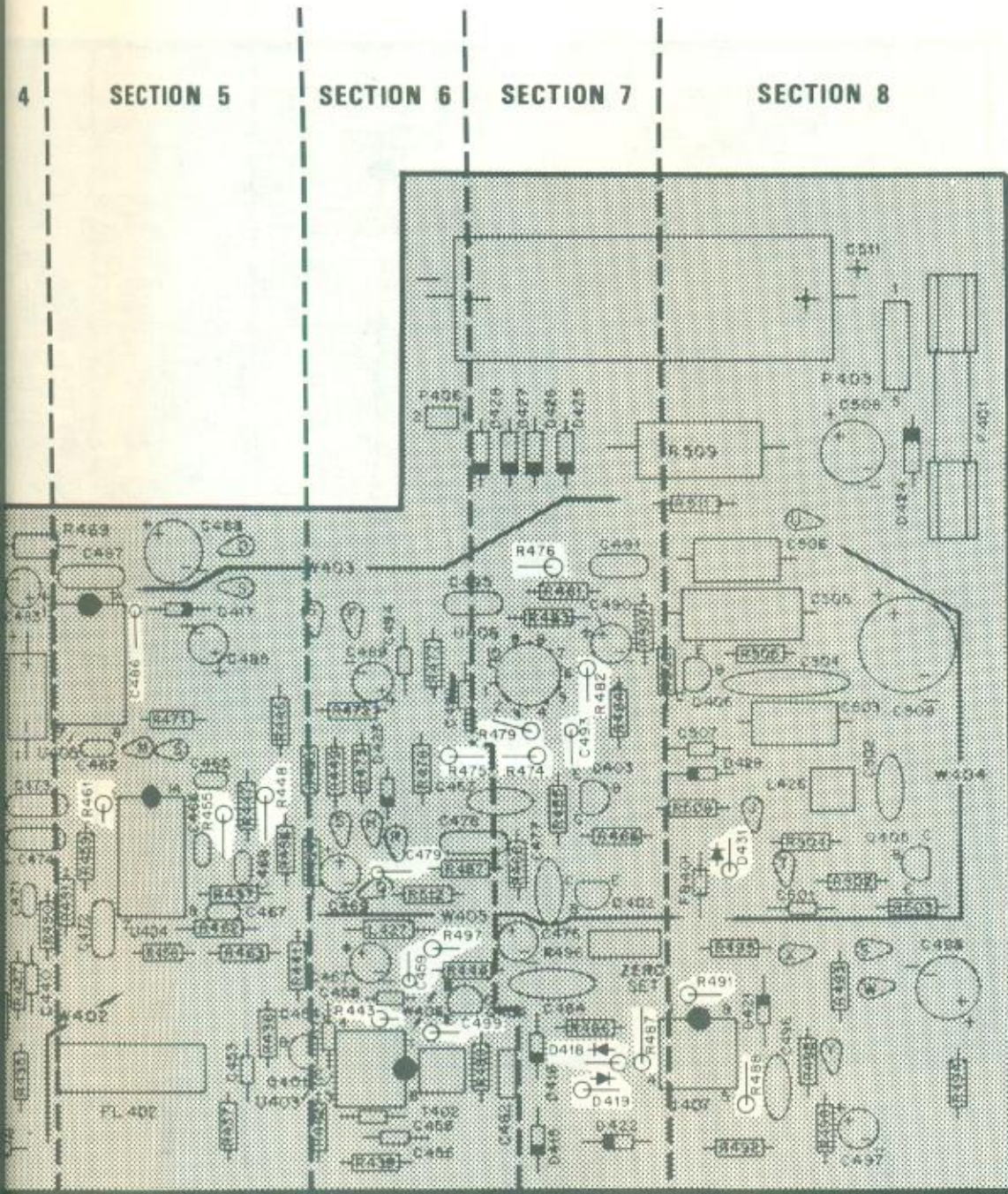
SECTION 4

SECTION 5



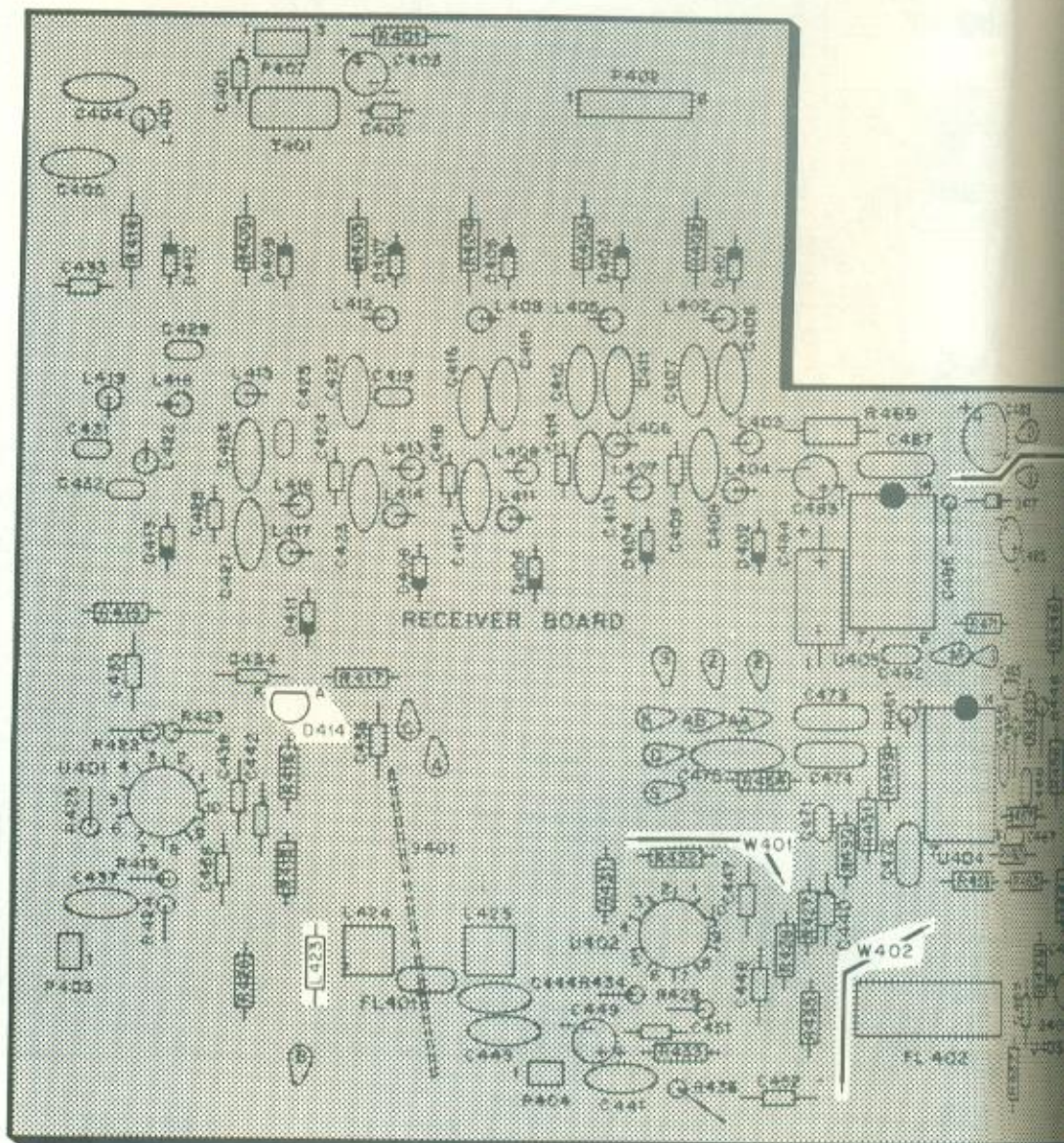
PICTORIAL





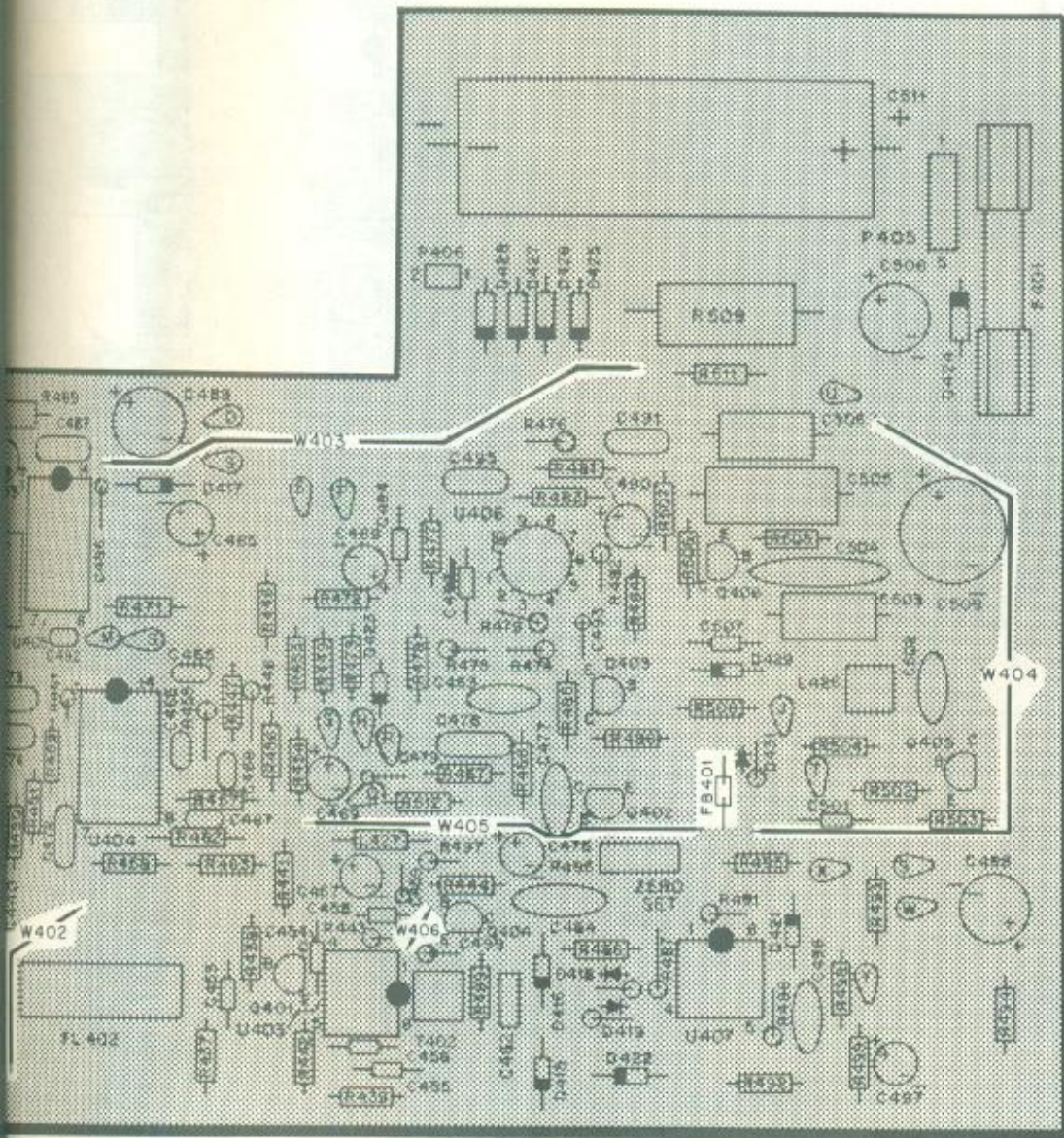
PICTORIAL 4-2





PICTORIAL 4-3





PICTORIAL 4-3

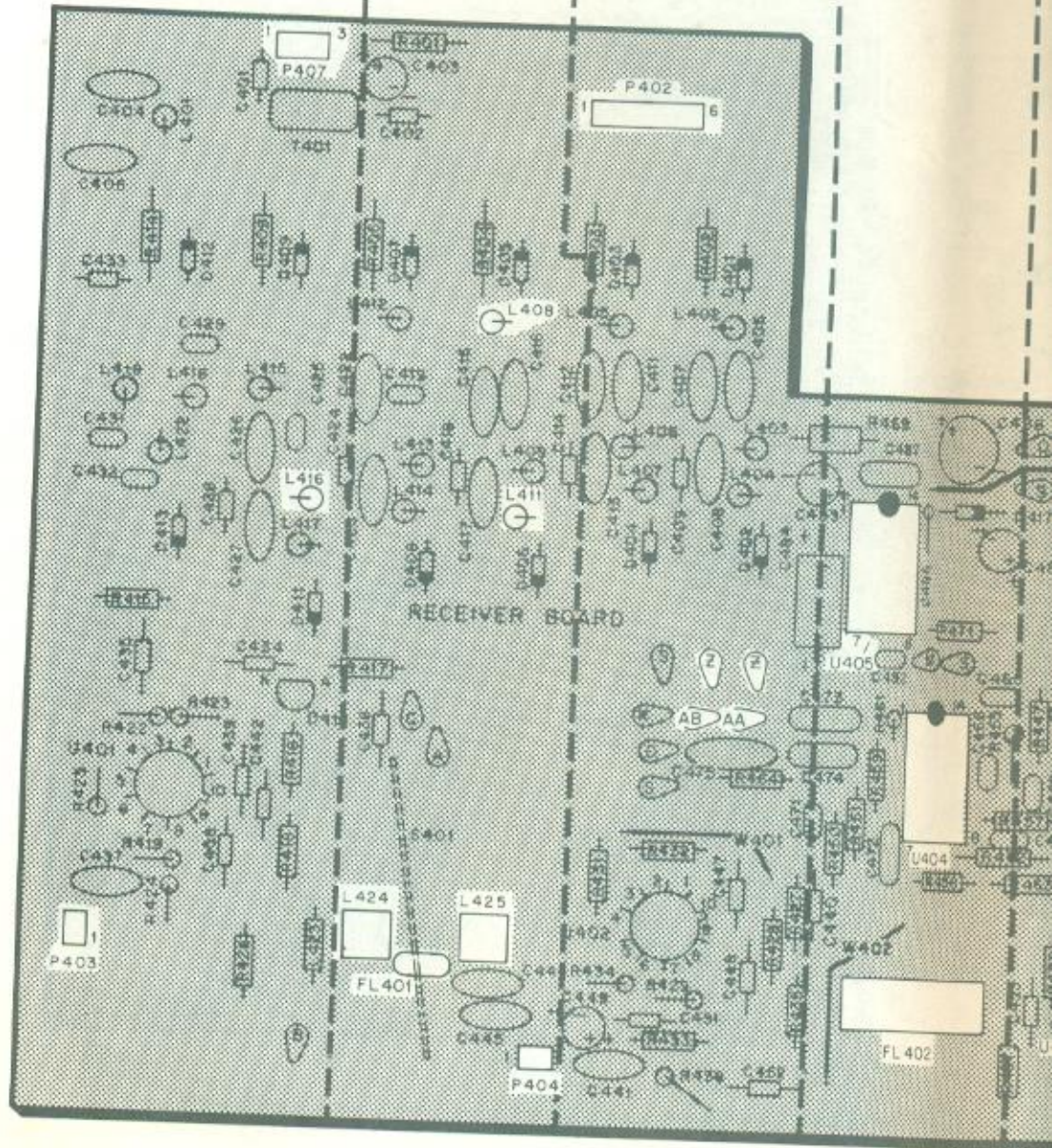


SECTION 1

SECTION 2

SECTION 3

SECTION 4



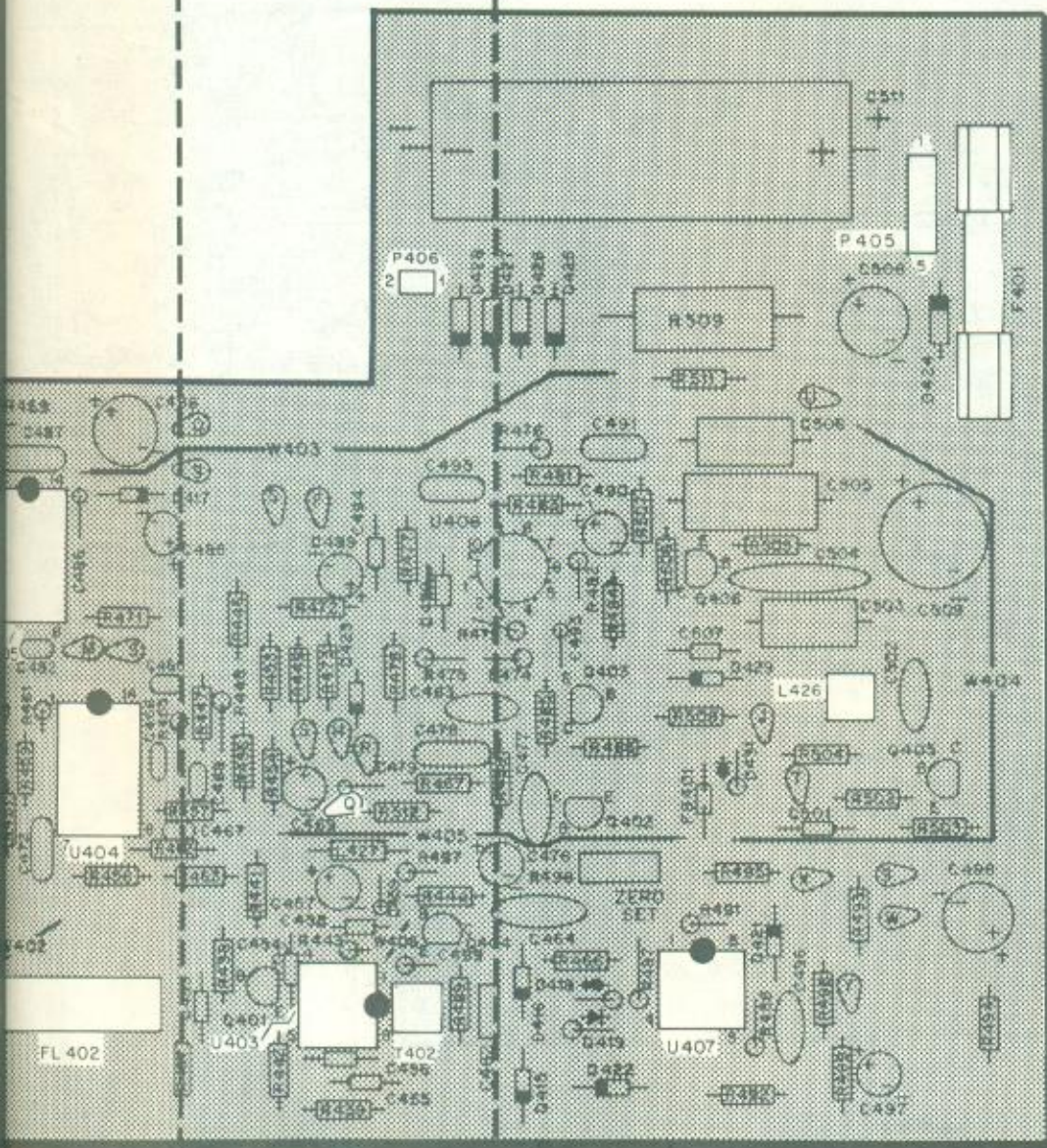
PICTORIAL



SECTION 4

SECTION 5

SECTION 6



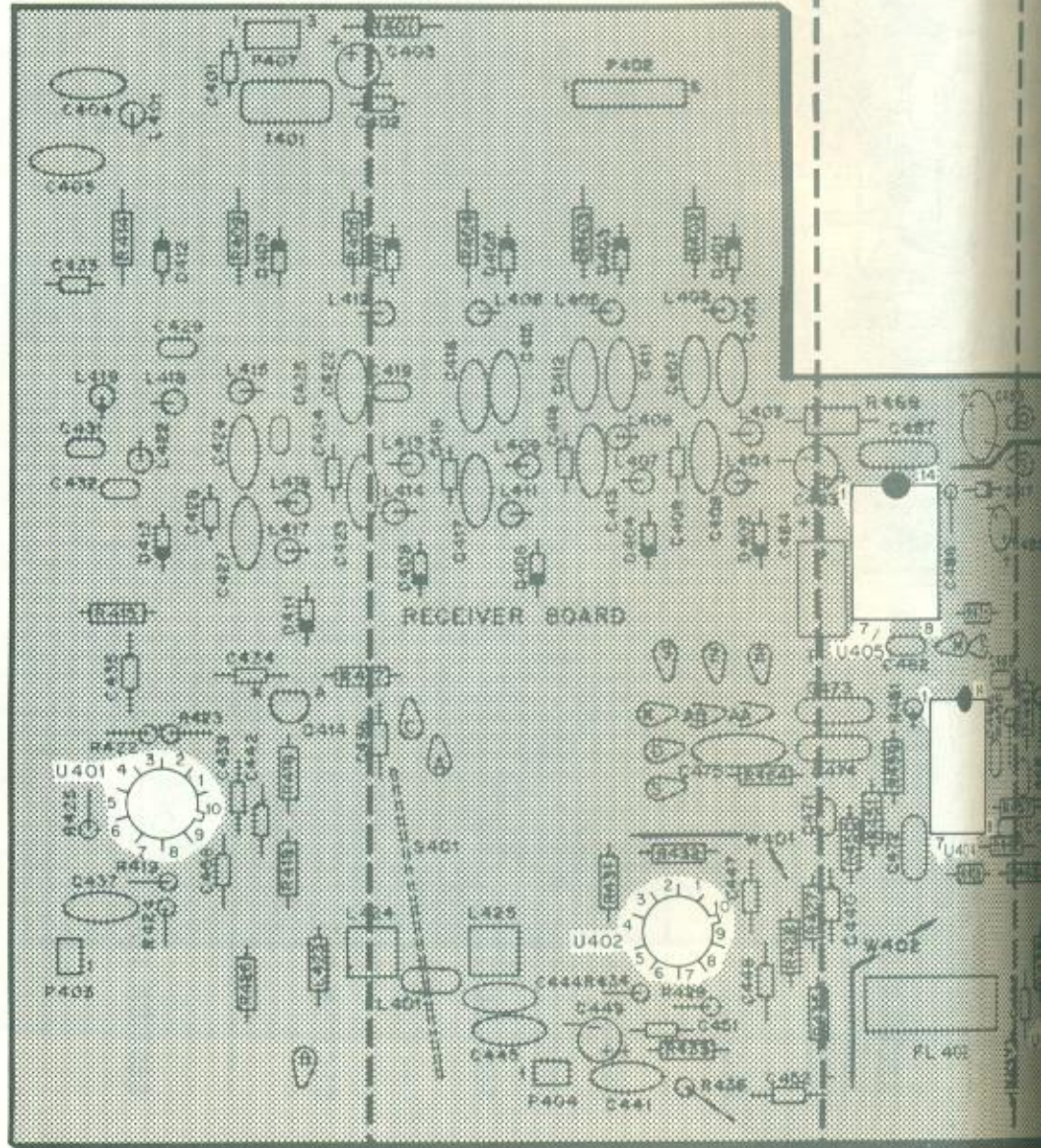
PICTORIAL 4-4



SECTION 1

SECTION 2

SECTION 3



PICTORIAL 4-

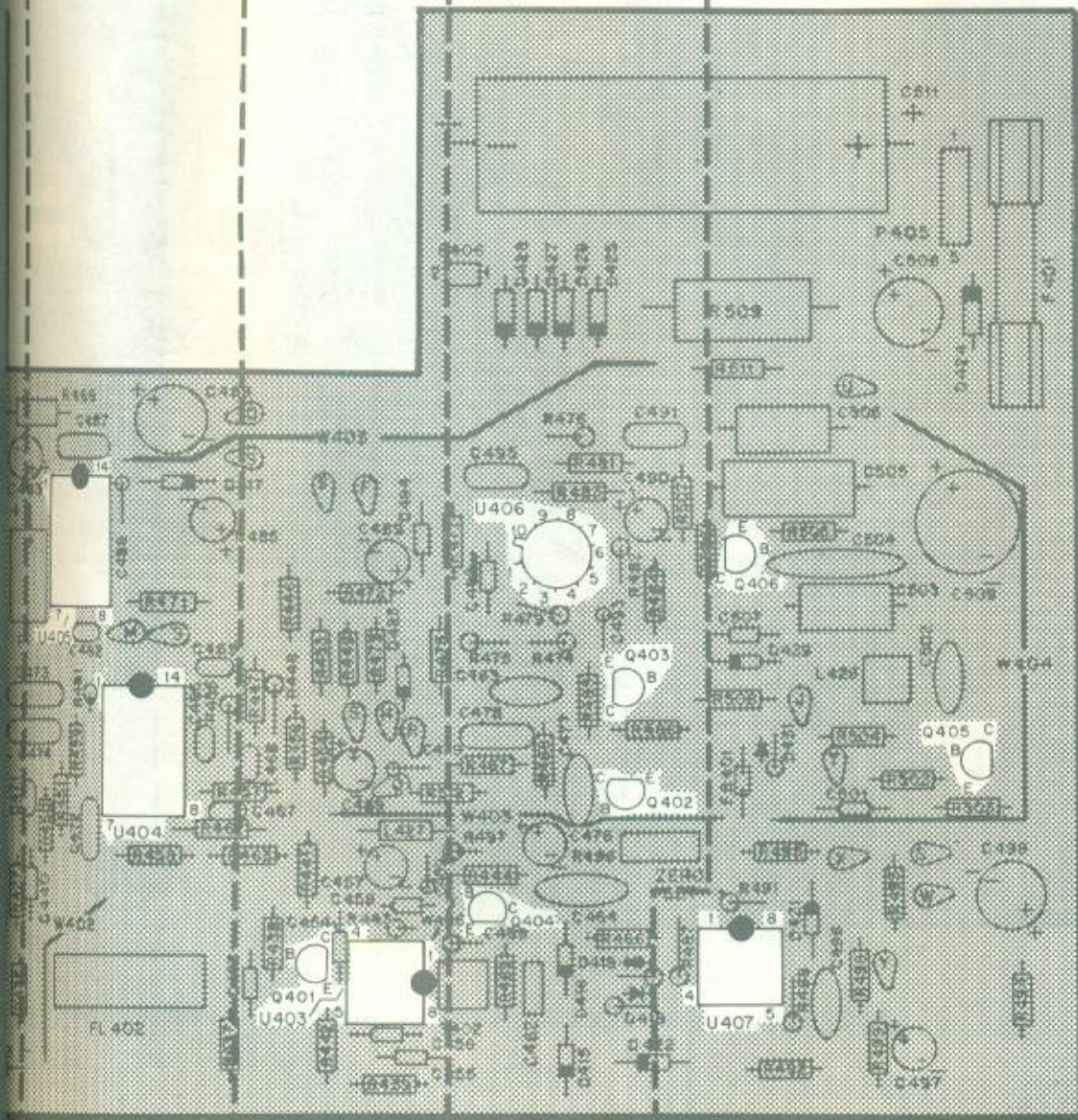


SECTION 3

SECTION 4

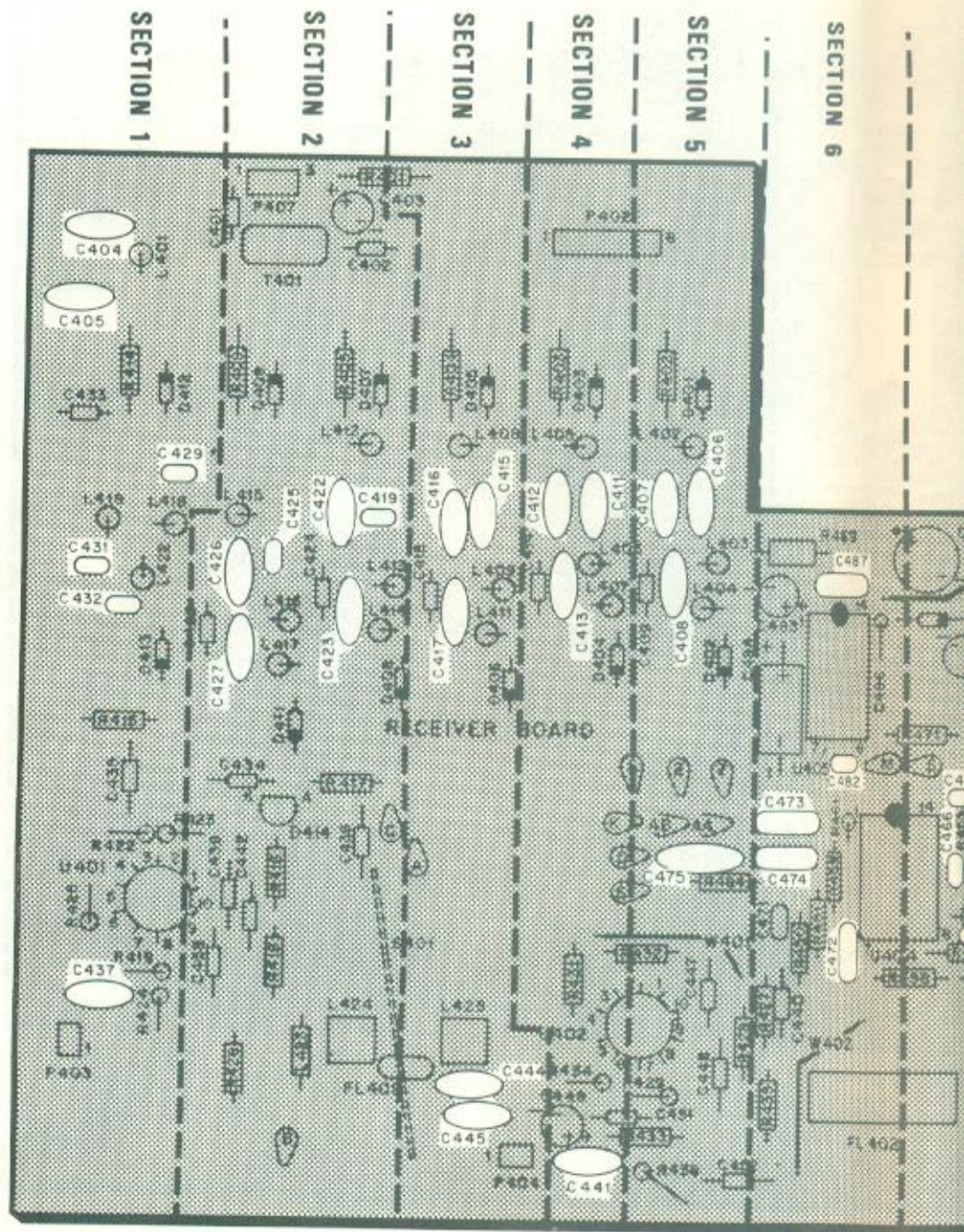
SECTION 5

SECTION 6



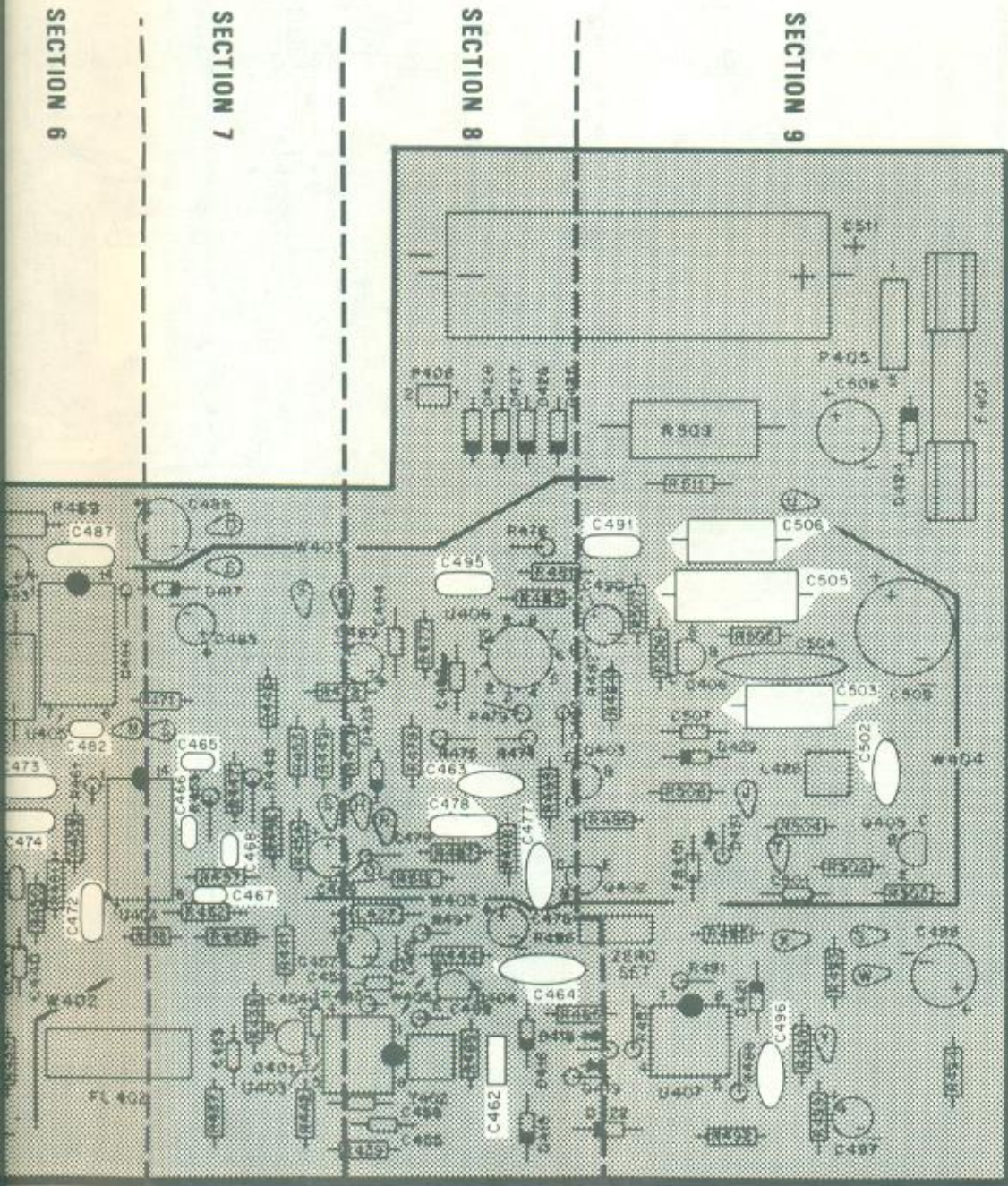
PICTORIAL 4-5





PICTORIAL





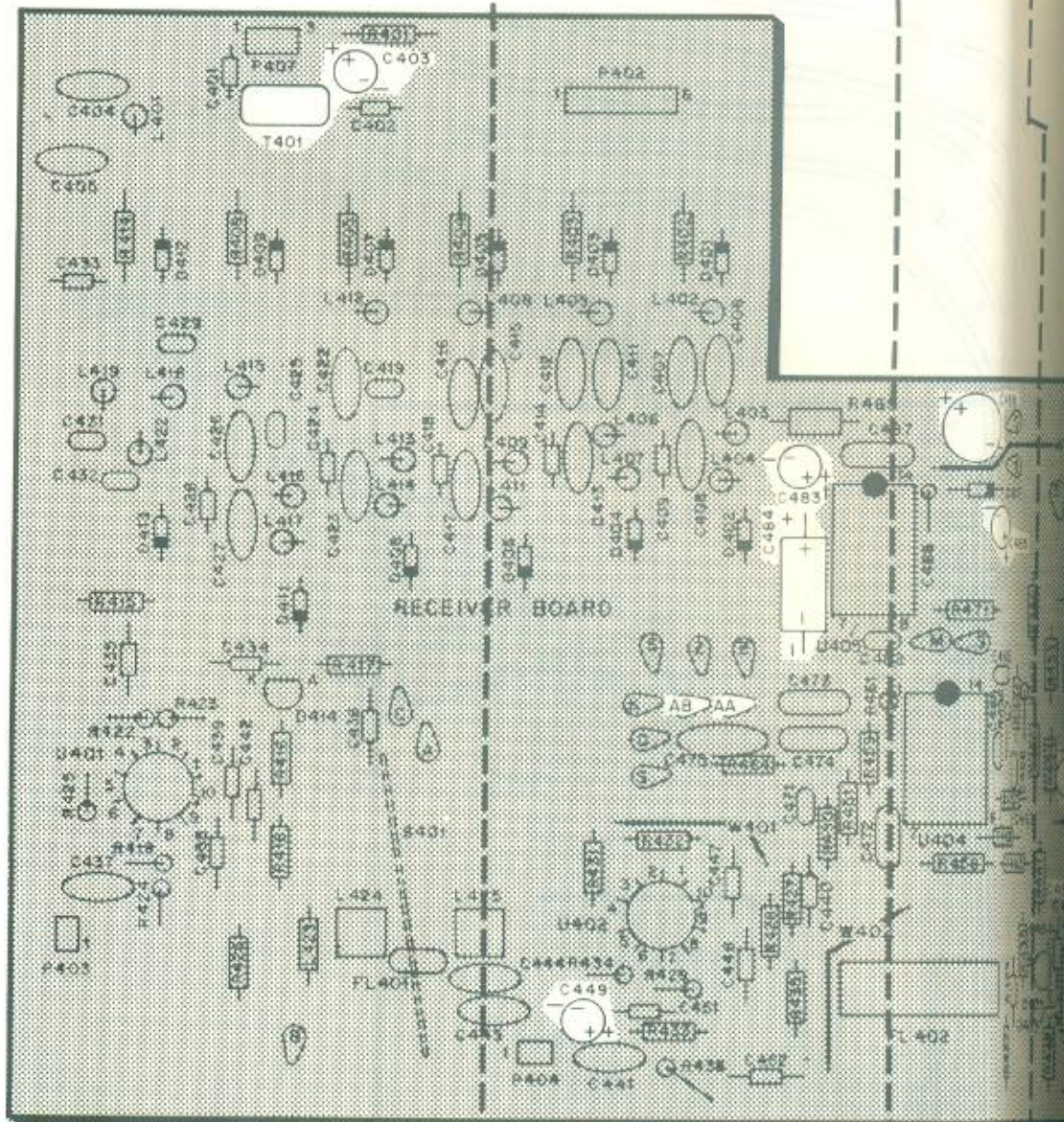
PICTORIAL 4-6



SECTION 1

SECTION 2

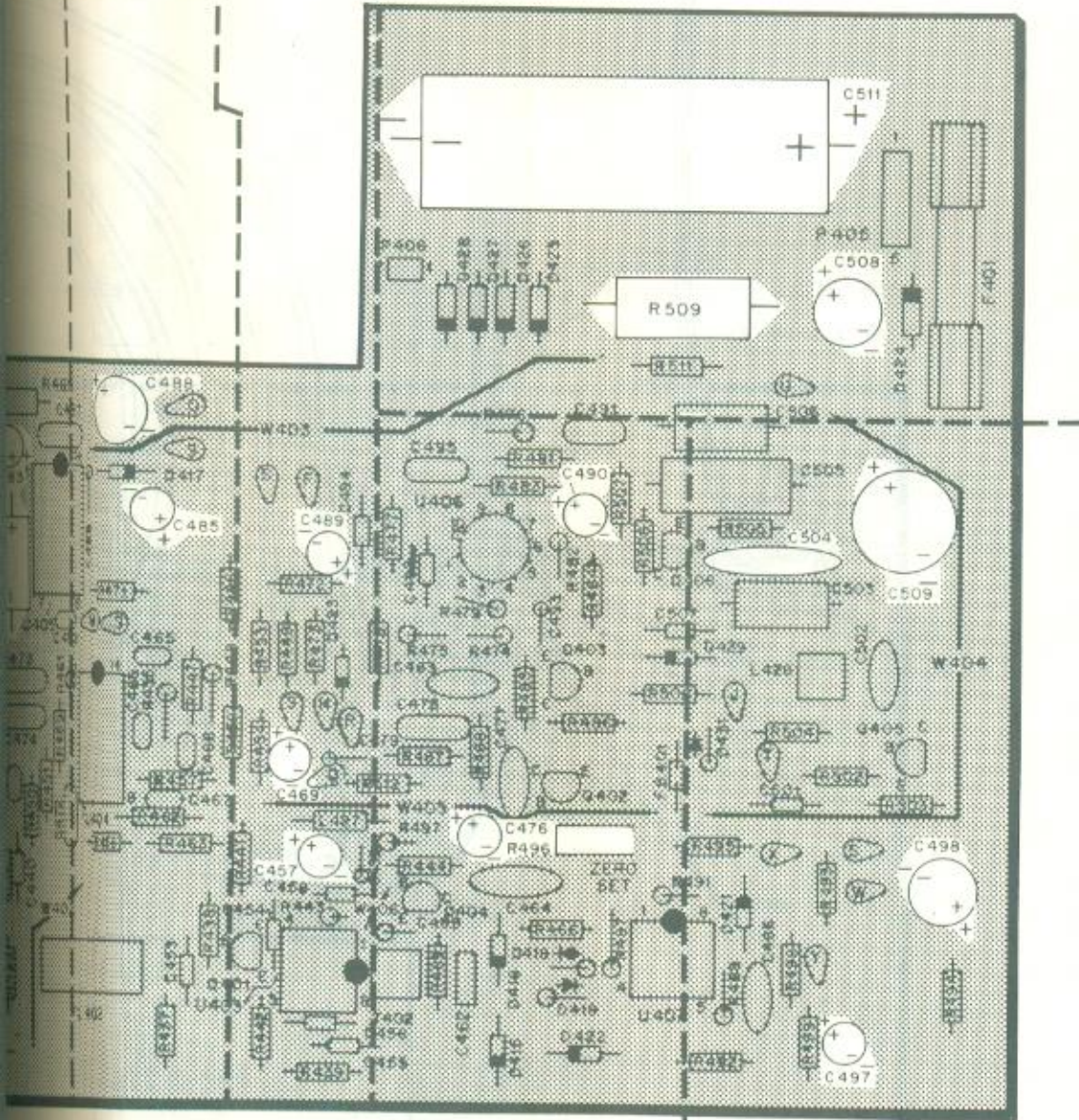
SECTION 3





SECTION 3 | SECTION 4

SECTION 5

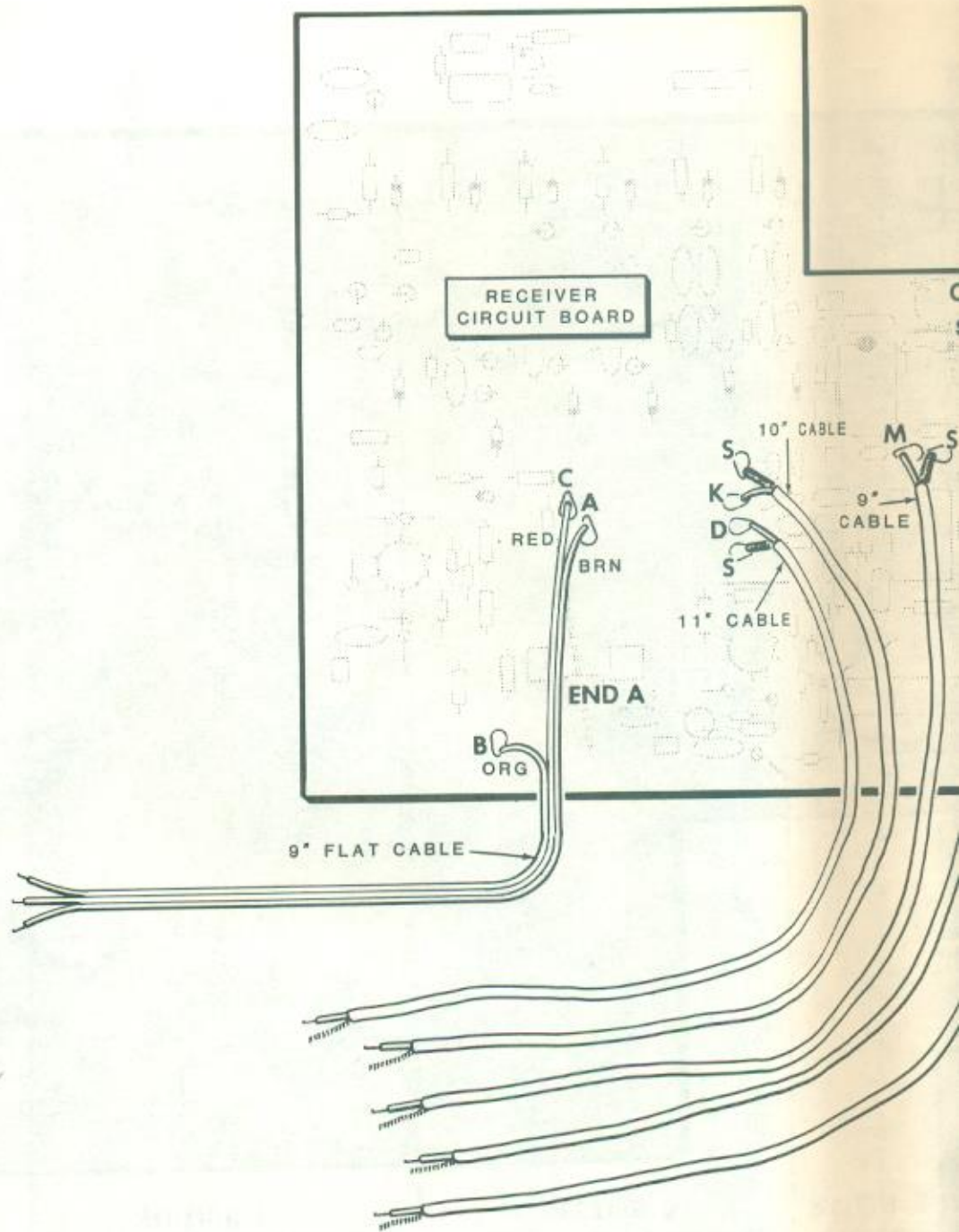


SECTION 6

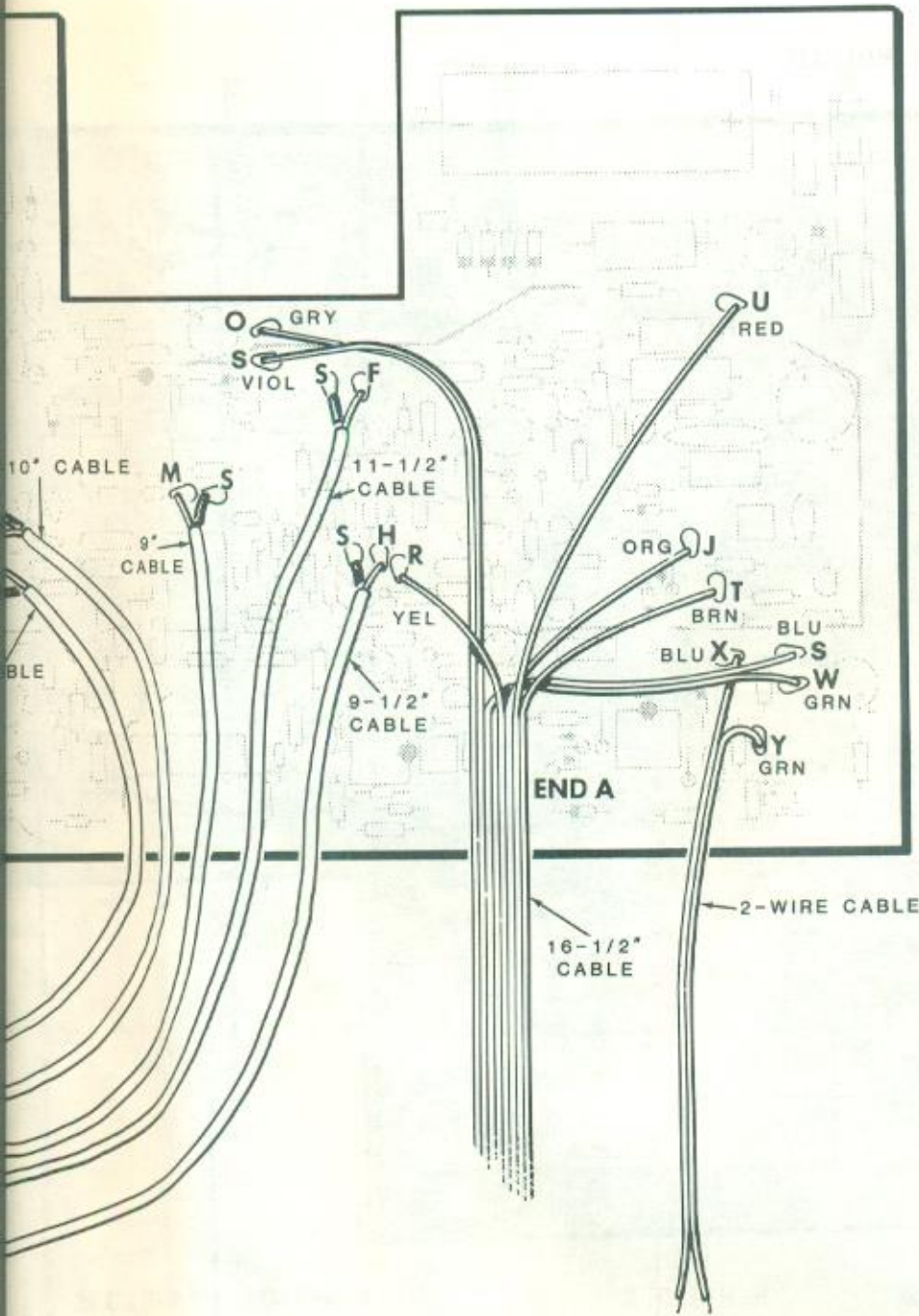
SECTION 7

PICTORIAL 4-7





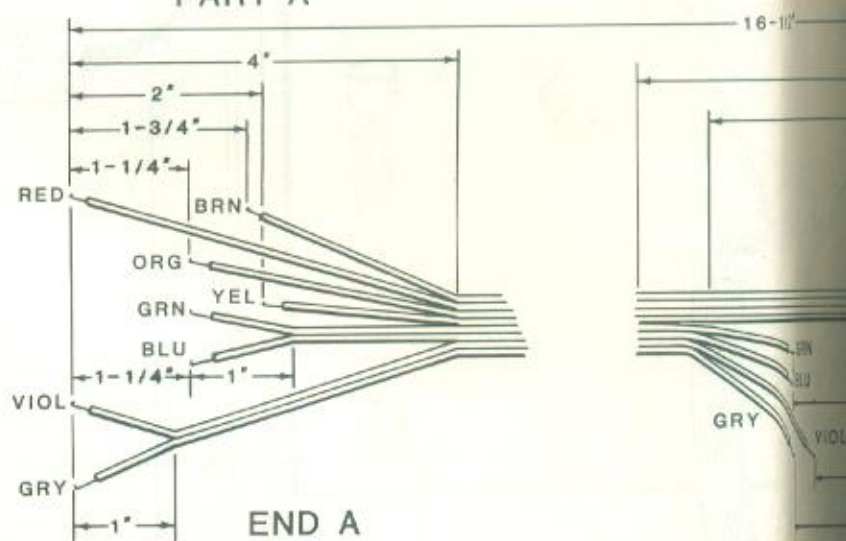
PICTORIAL 4



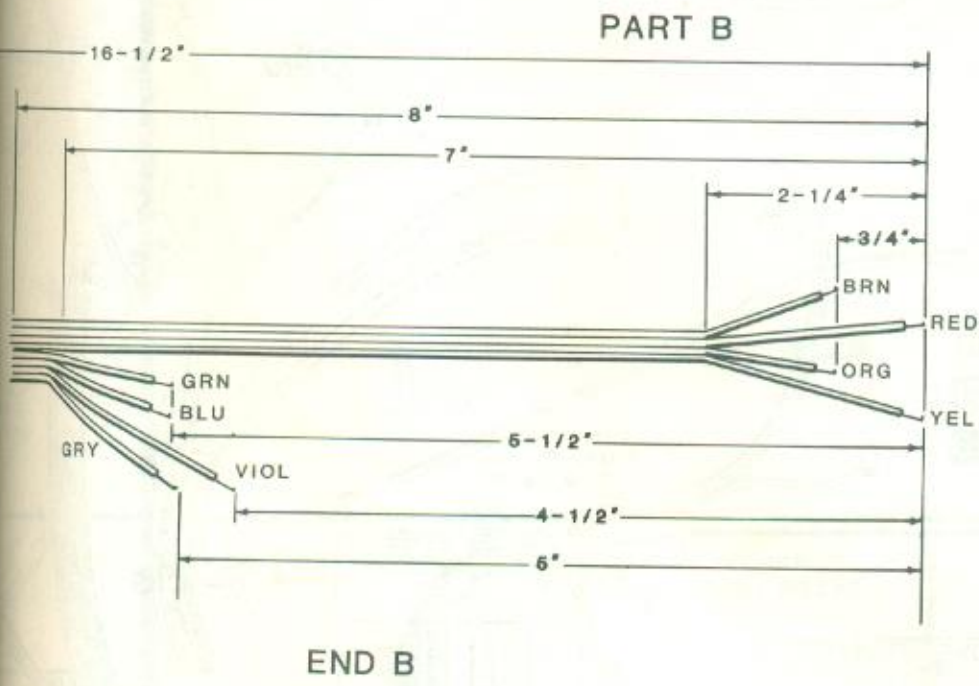
PICTORIAL 4-9



PART A

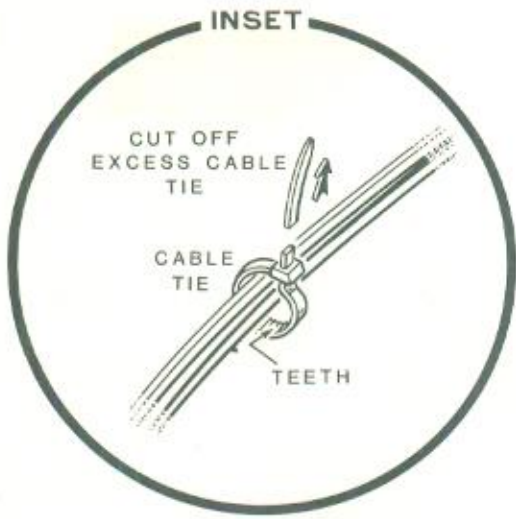


Detail 4-9B

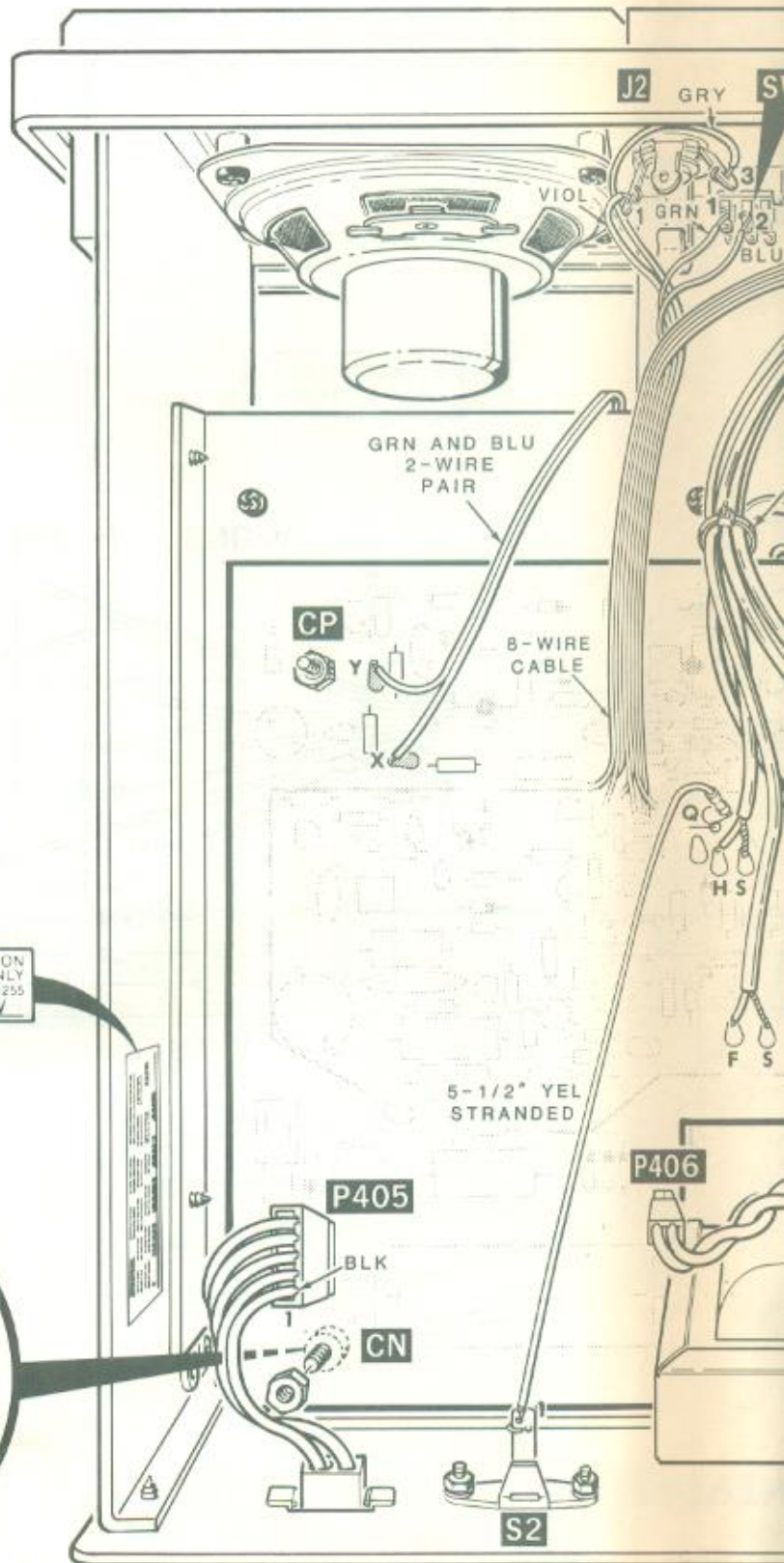
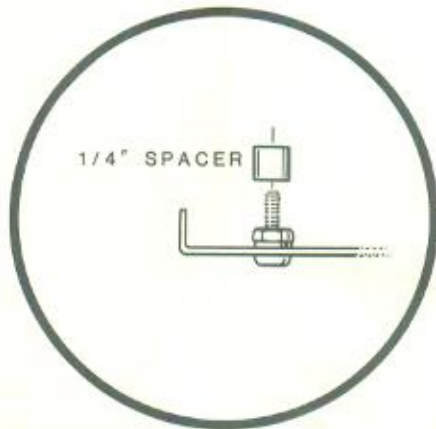


**Detail 4-9B**

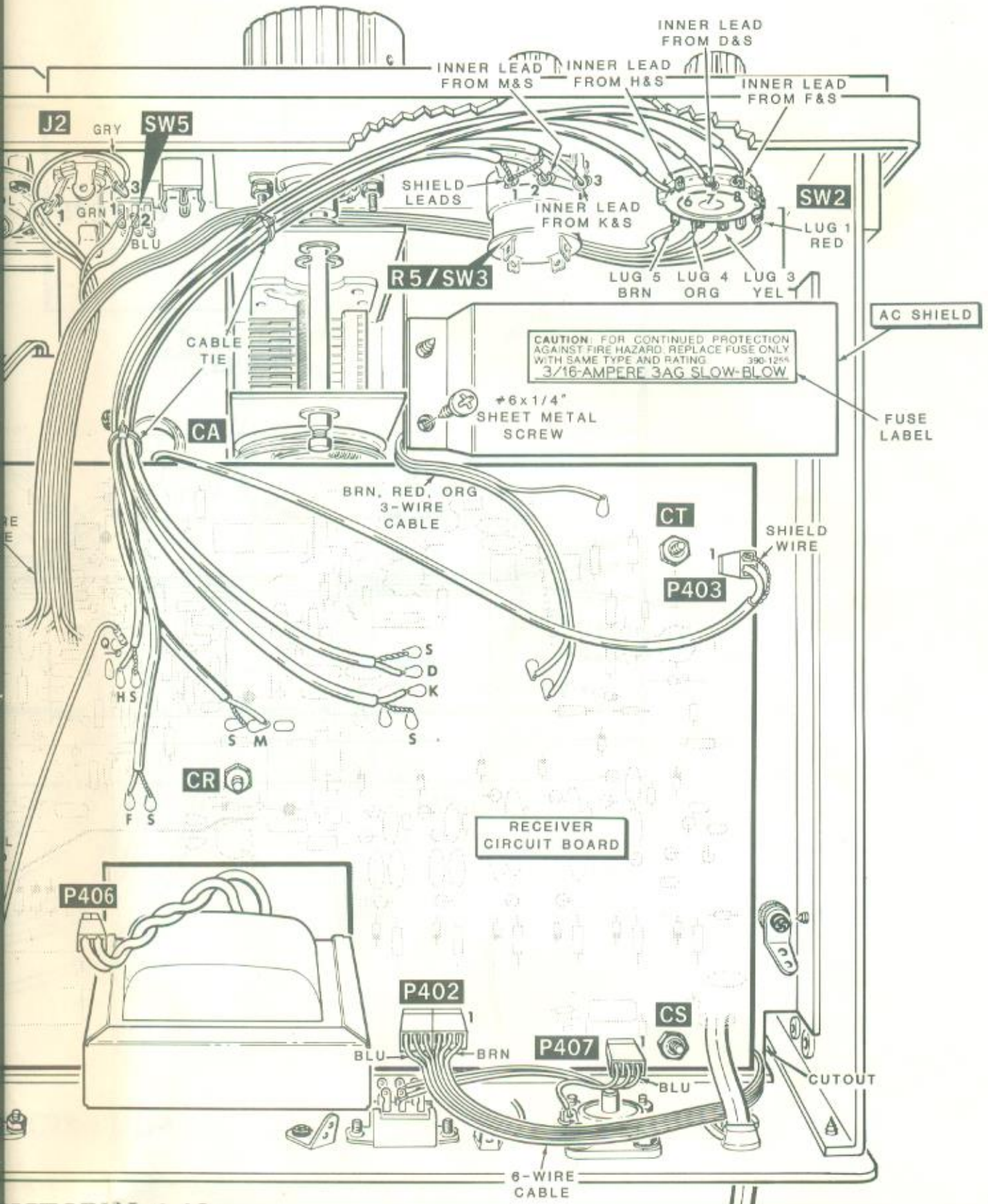




**CAUTION:** FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE FUSE ONLY WITH SAME TYPE AND RATING 390-1255  
**1-AMPERE 3AG SLOW-BLOW**



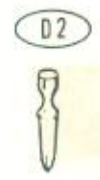
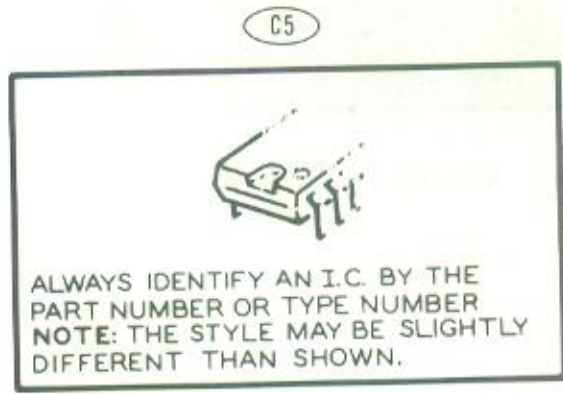
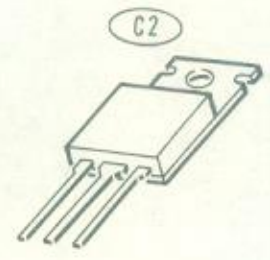
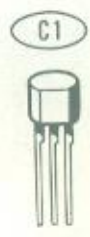
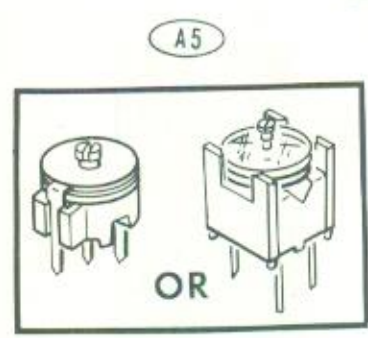
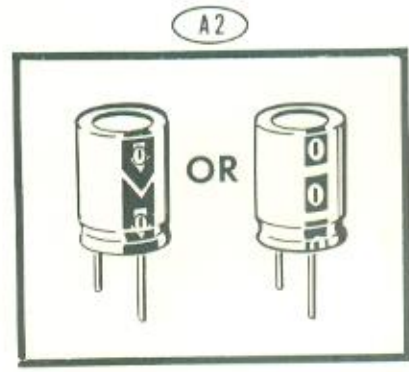
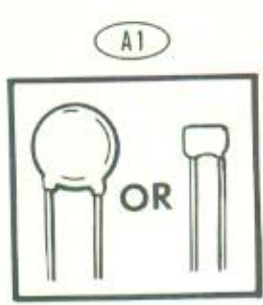
**PICTORIAL 4**



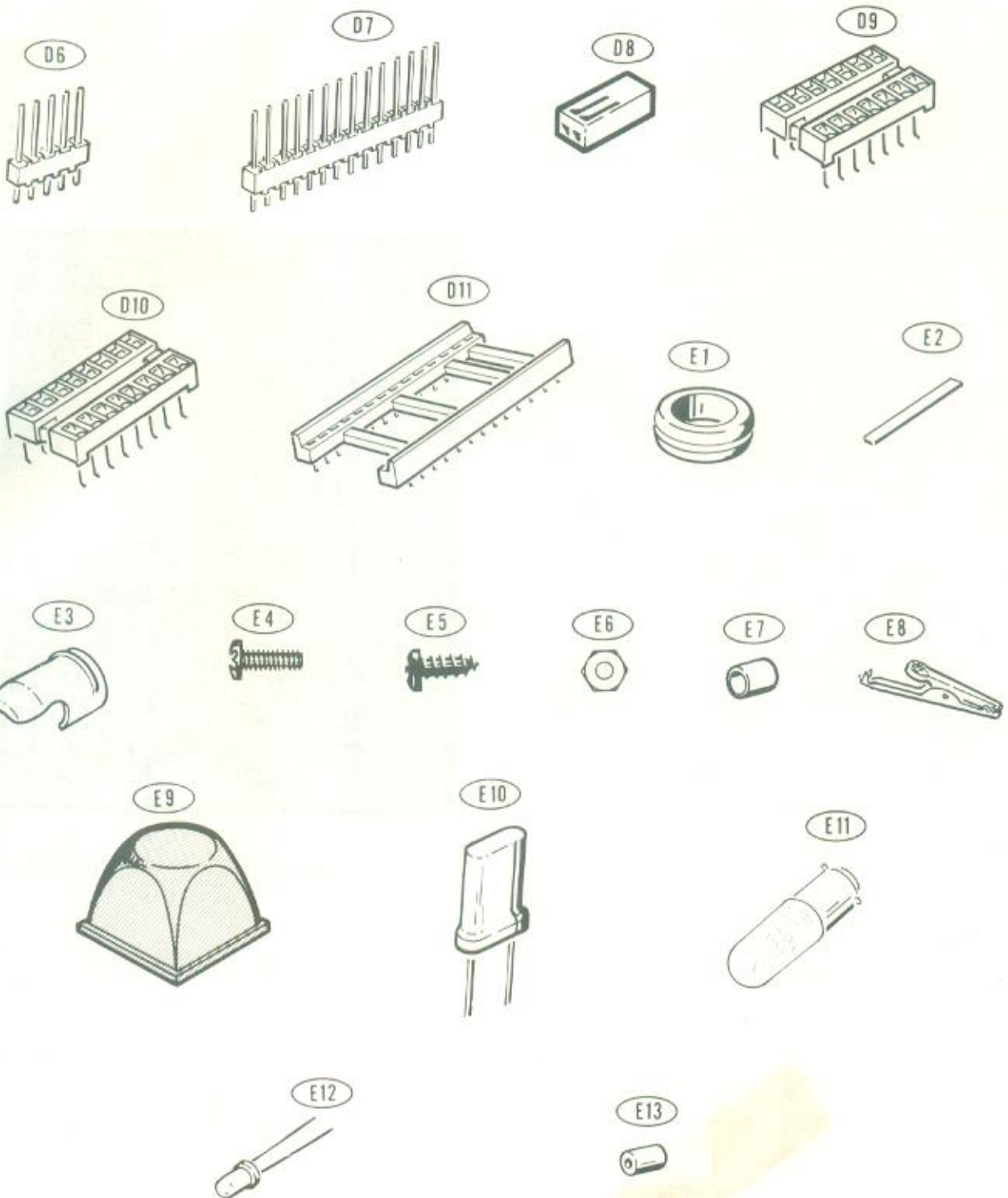
PICTORIAL 4-10



# SYNTHESIZER CIRC PARTS PICTO

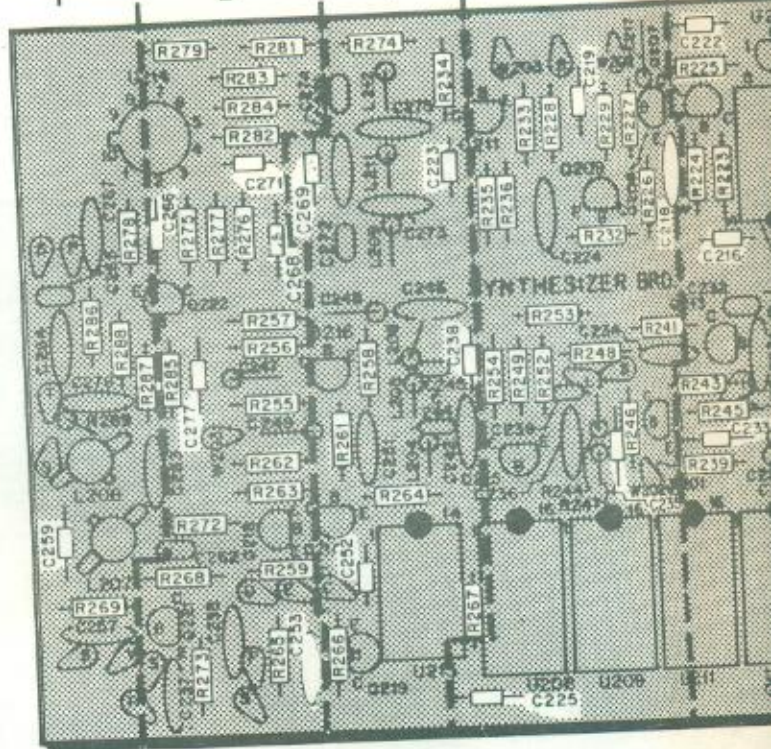


# RESIZER CIRCUIT BOARD PARTS PICTORIAL

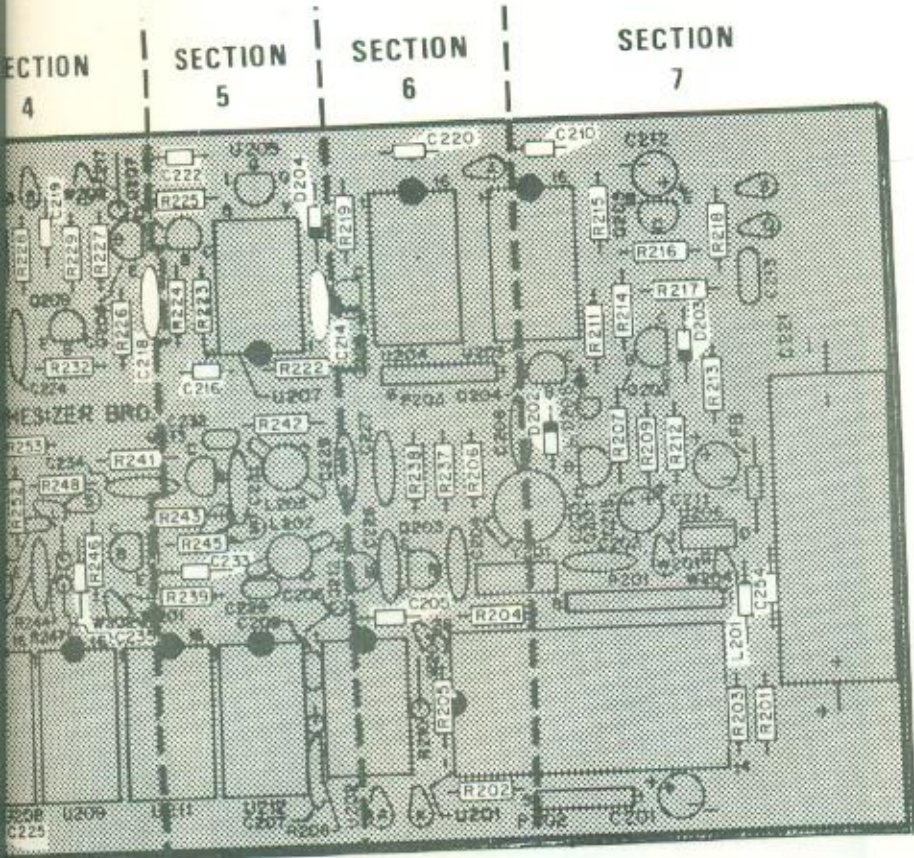




SECTION 1      SECTION 2      SECTION 3      SECTION 4      SECTION 5



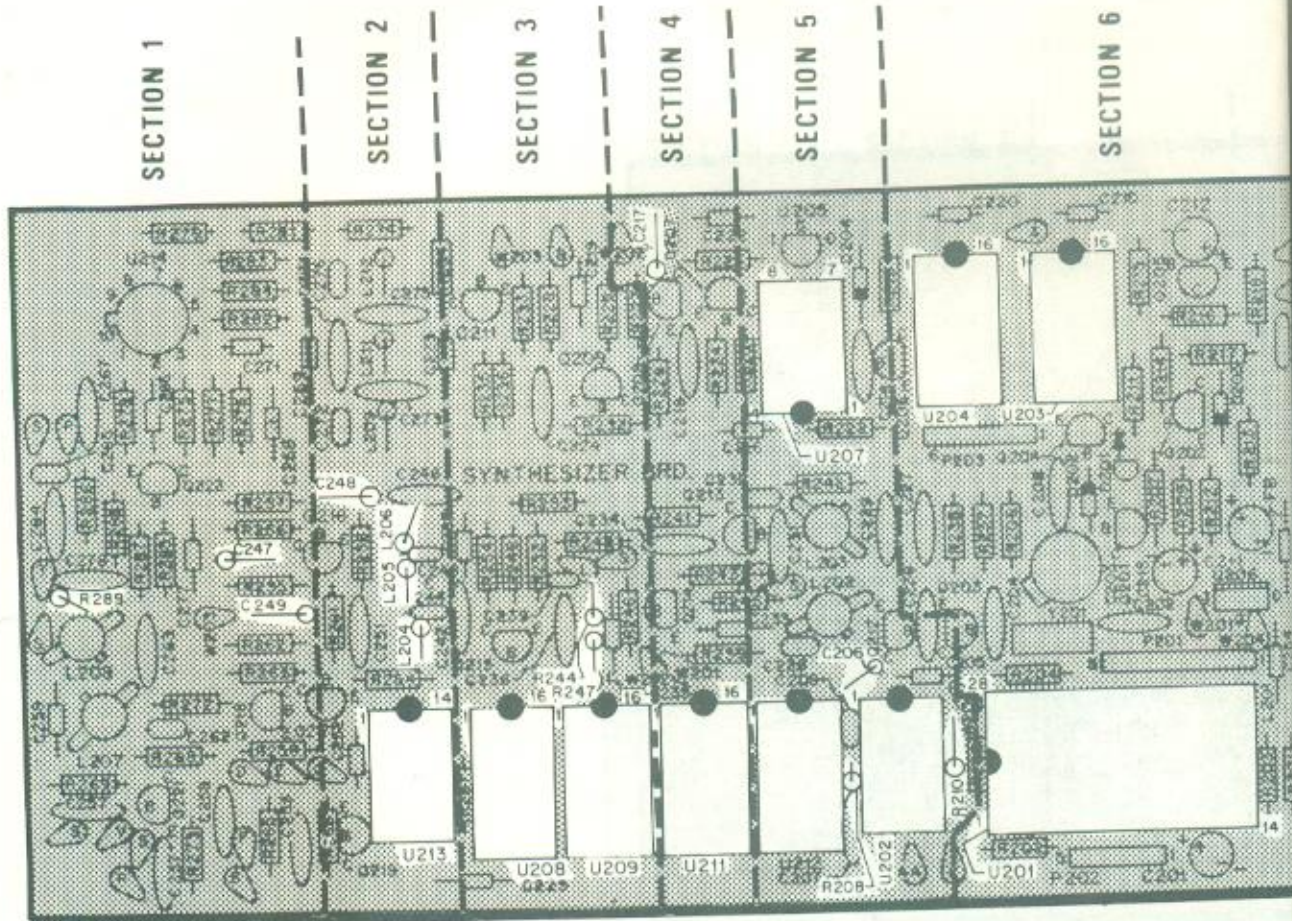
PICTORIA



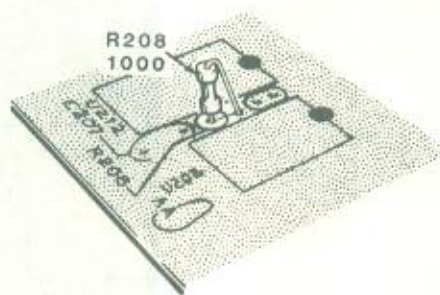
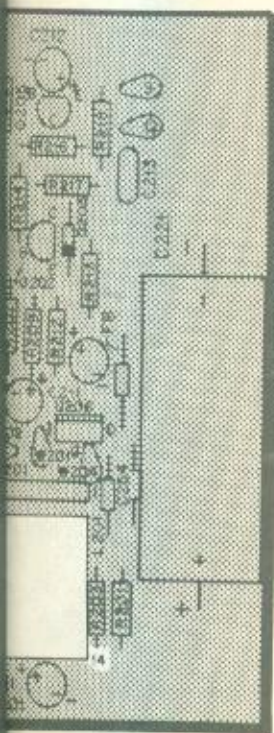
PICTORIAL 5-1

Page 9 of 10  
SW-7800/595-3052  
591-4547





PICTORIAL 5-2



**Detail 5-2A**



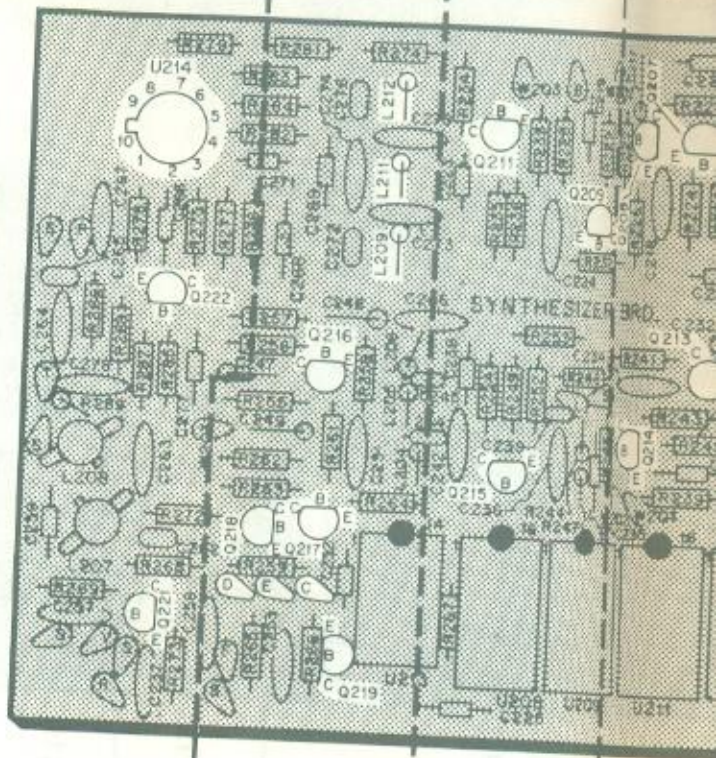
SECTION 1

SECTION 2

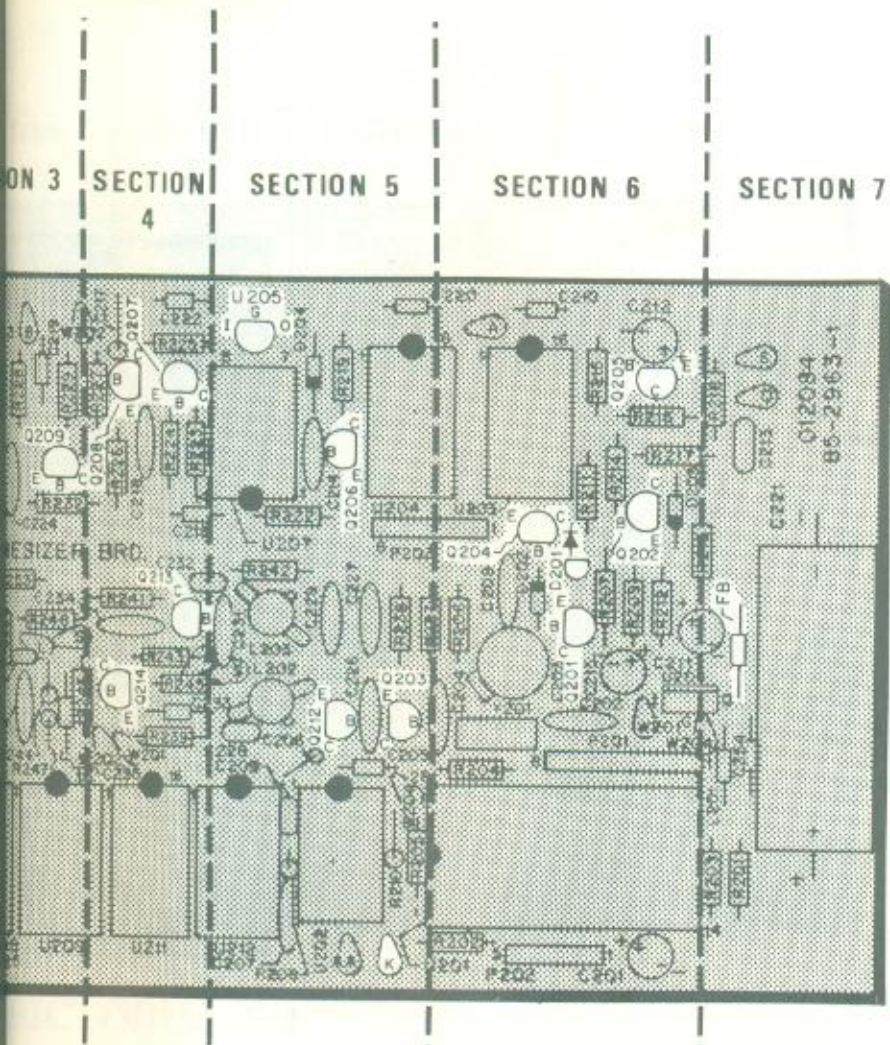
SECTION 3

SECTION 4

4



PICTORIAL



PICTORIAL 5-3



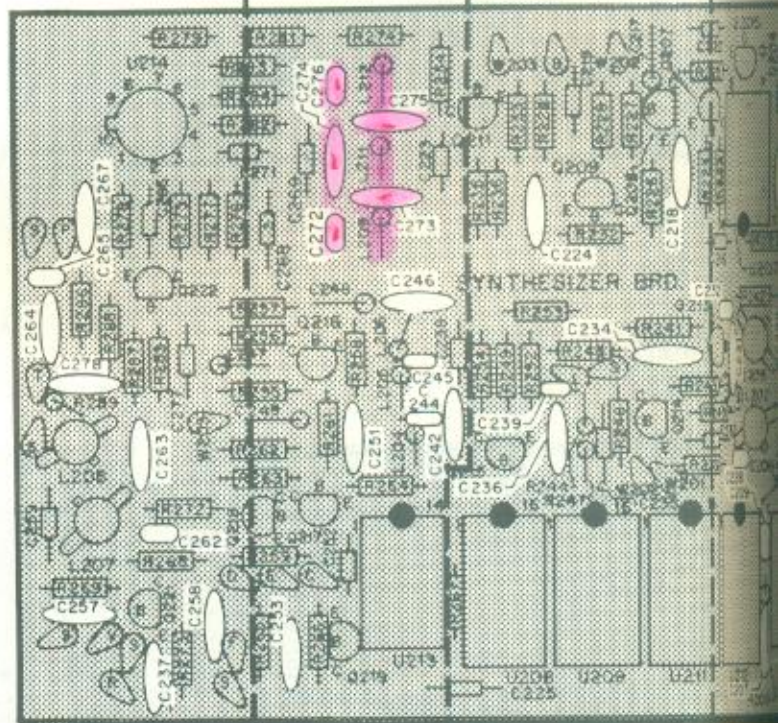
C272  
C276

SECTION 1

SECTION 2

SECTION 3

SECTION 4



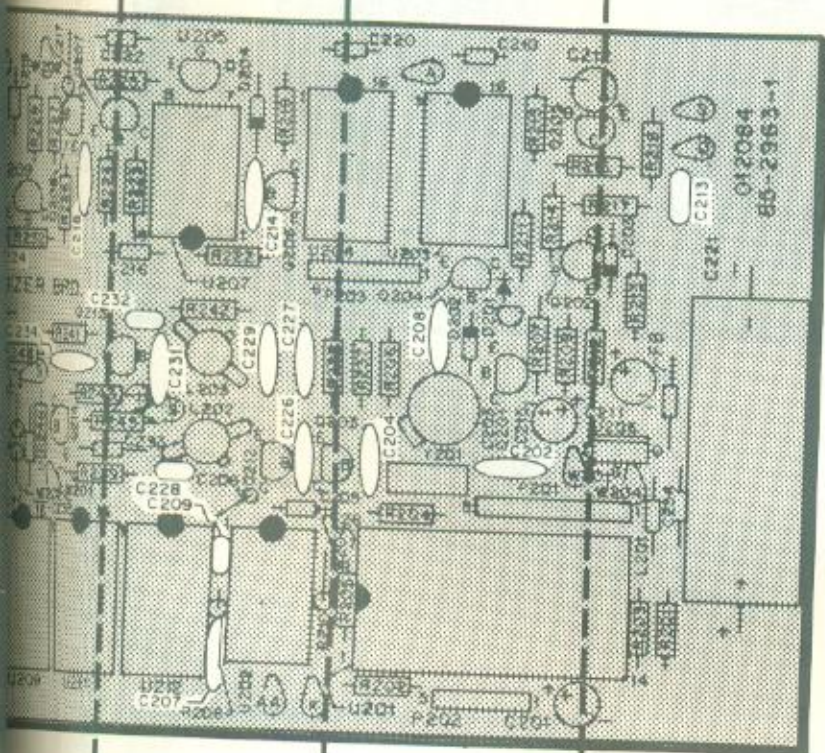
PICTORIAL 5-

SECTION 3

SECTION 4

SECTION 5

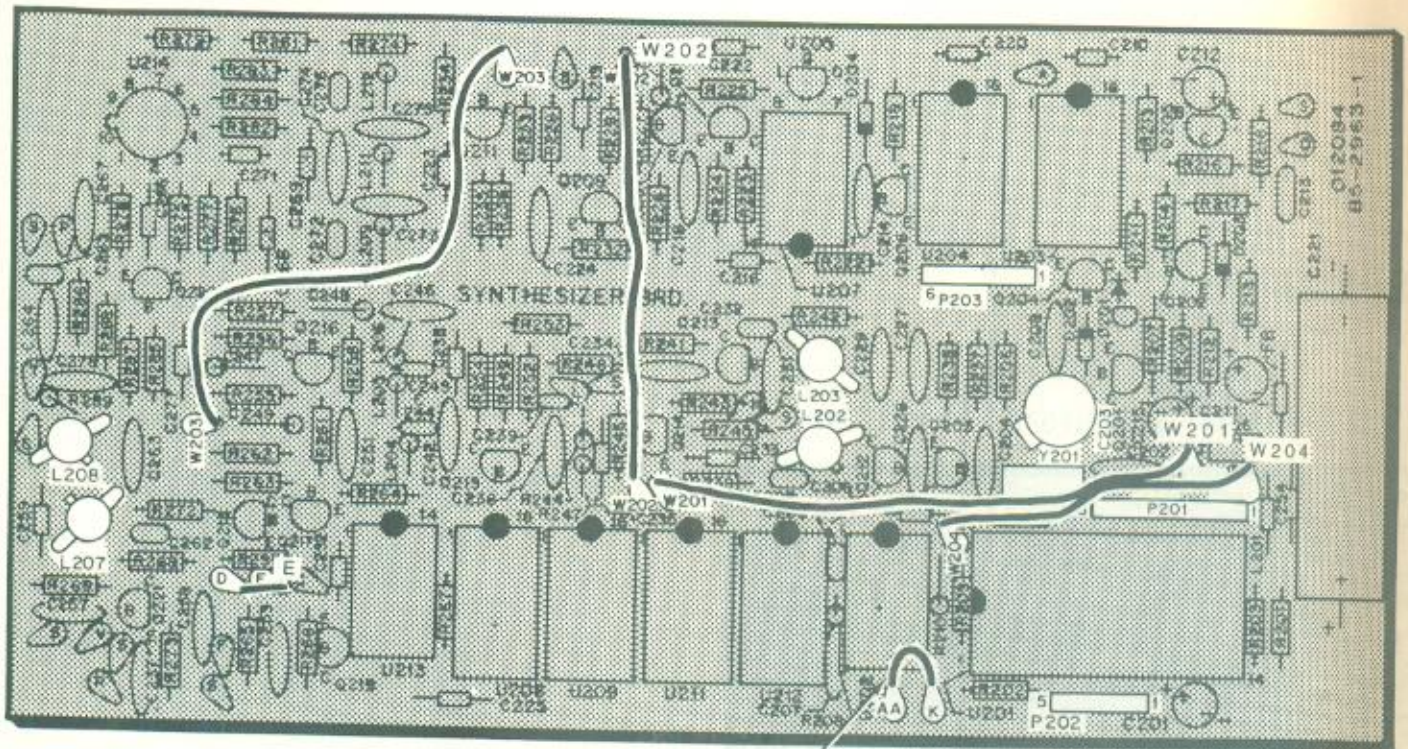
SECTION 6



PICTORIAL 5-4

C272-  
C276



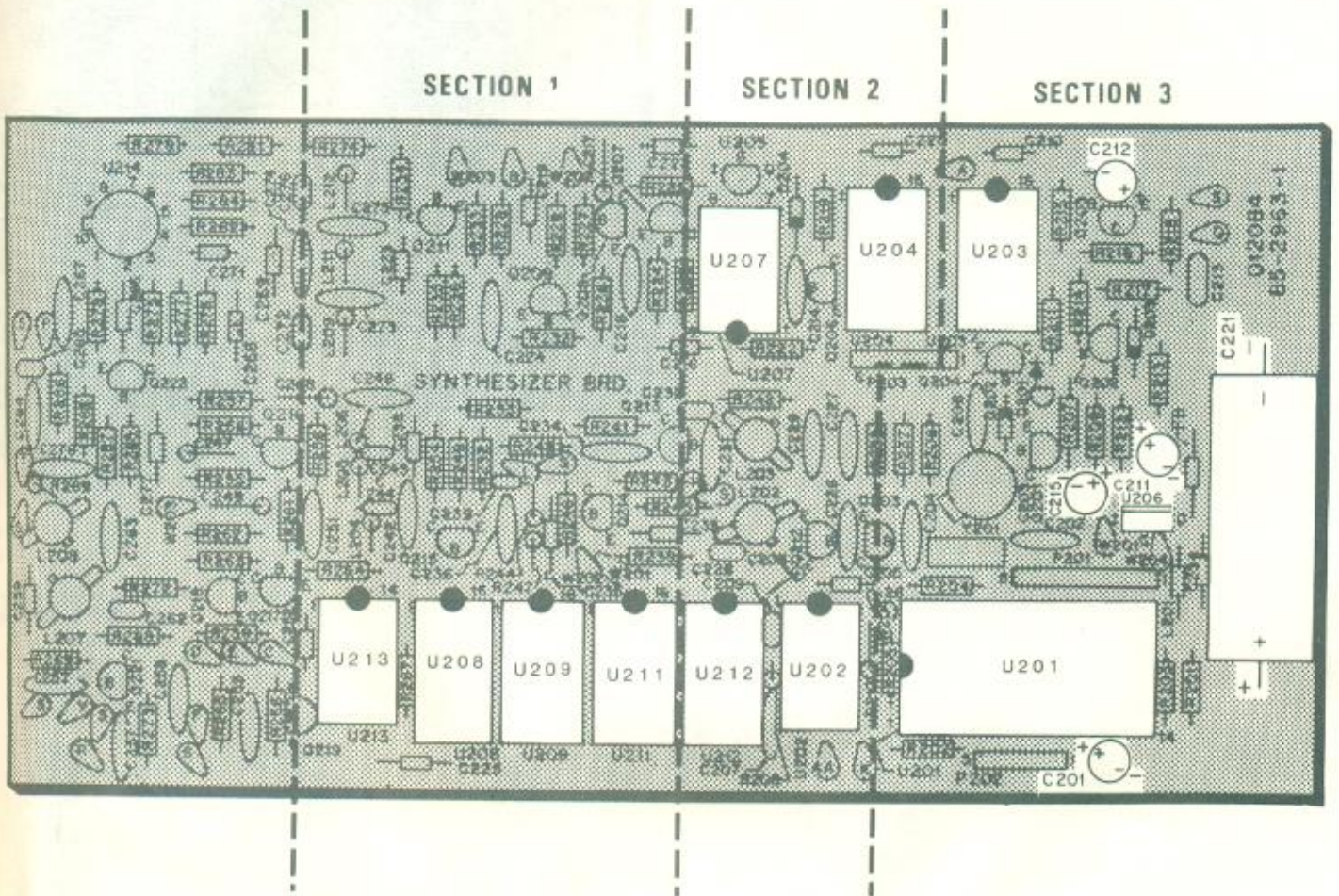


1-1/4" YEL

PICTORIAL 5-5

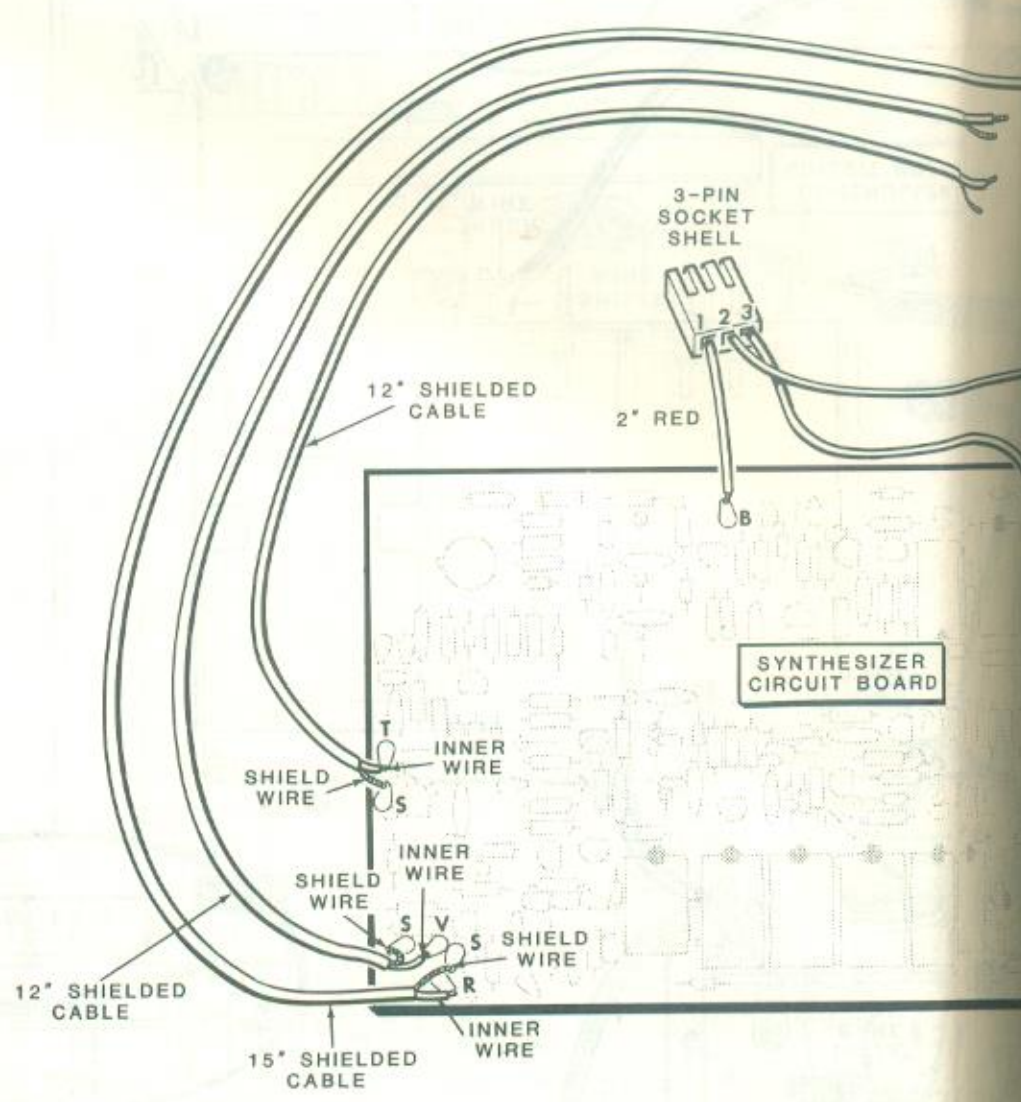




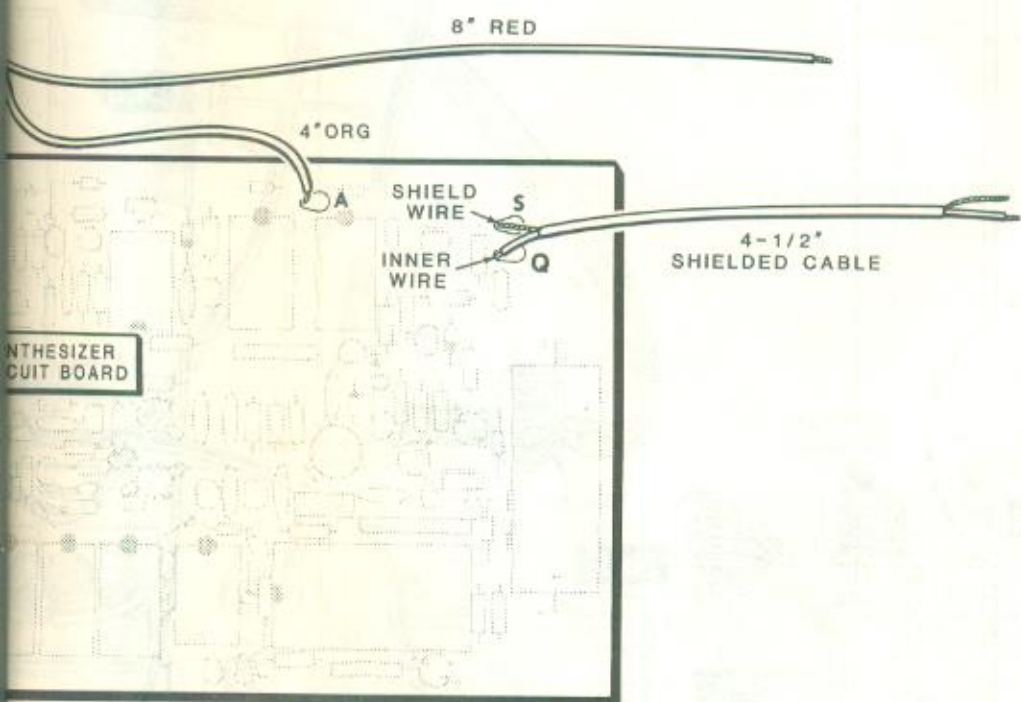
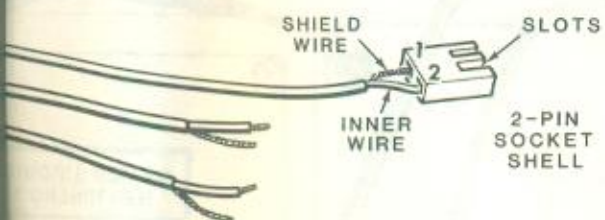


PICTORIAL 5-6



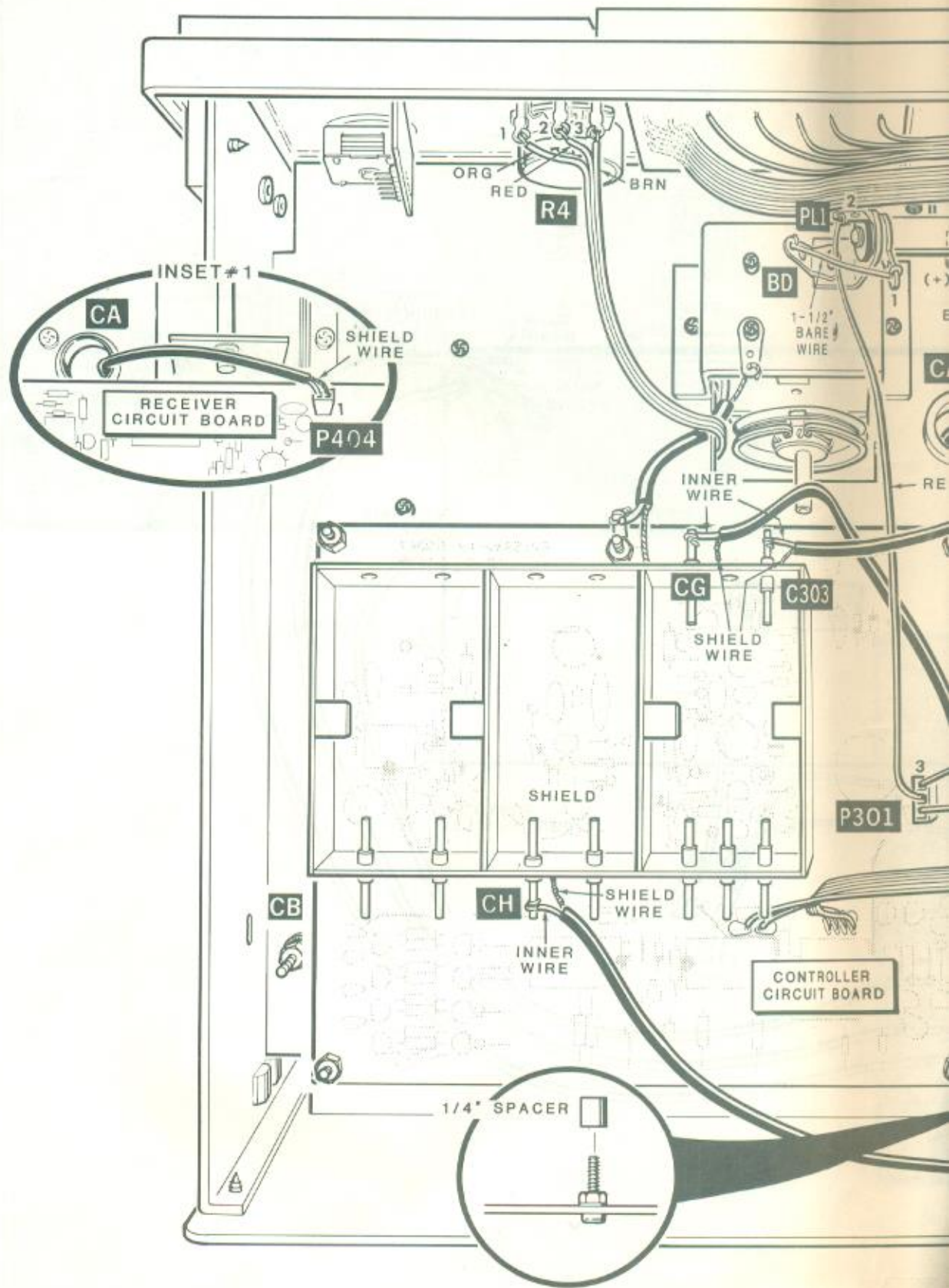


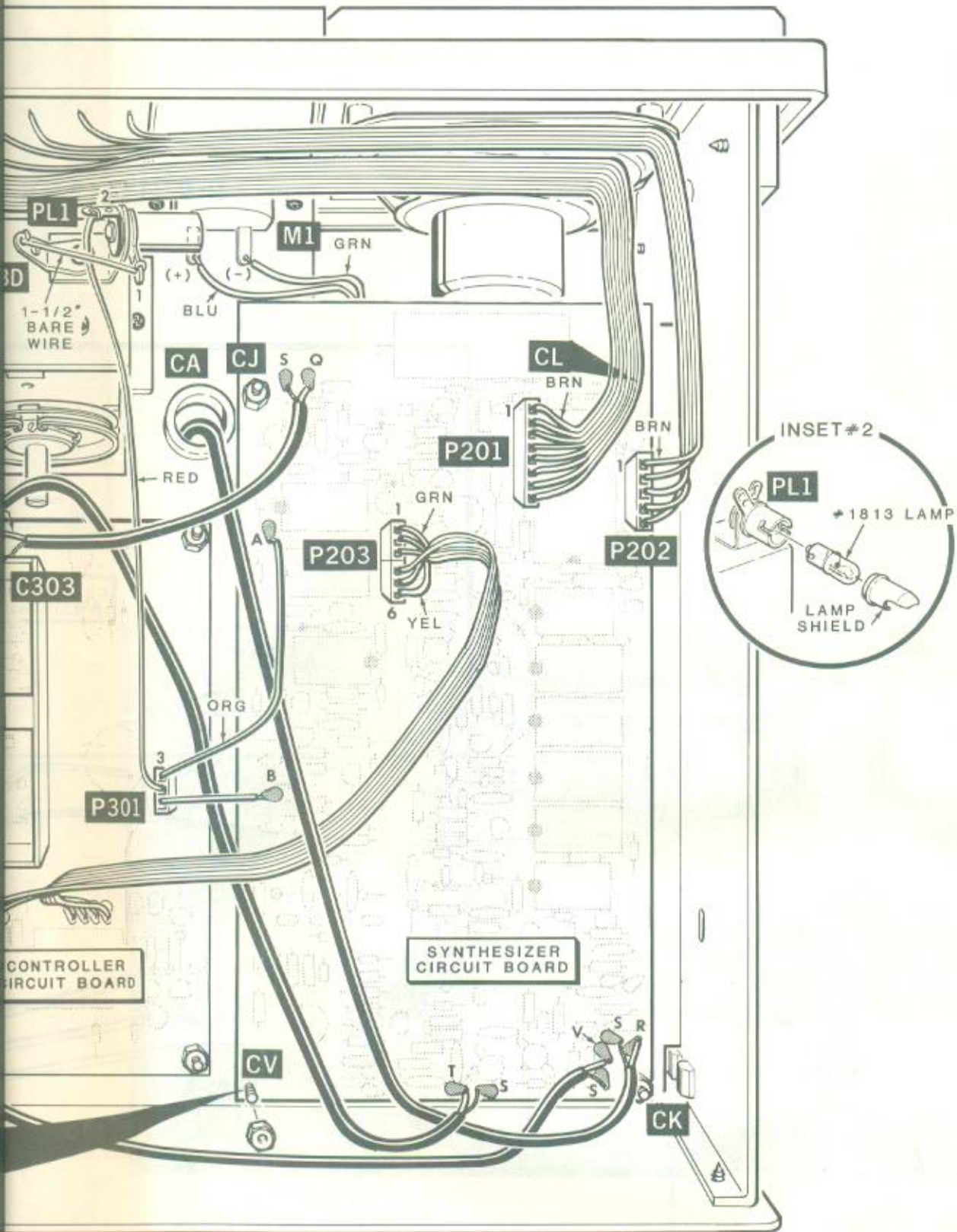
PICTORIAL 5-8



PICTORIAL 5-8

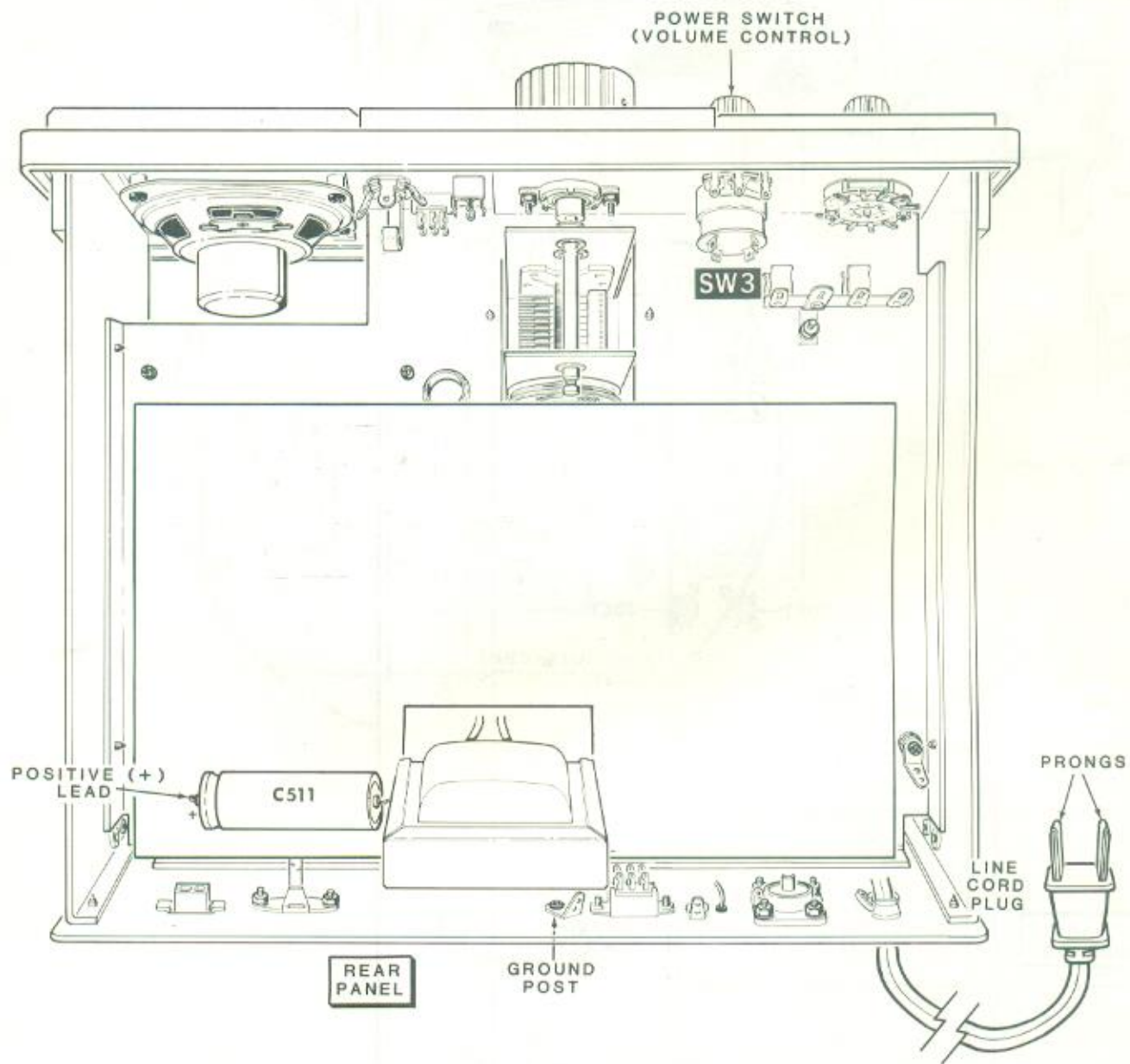




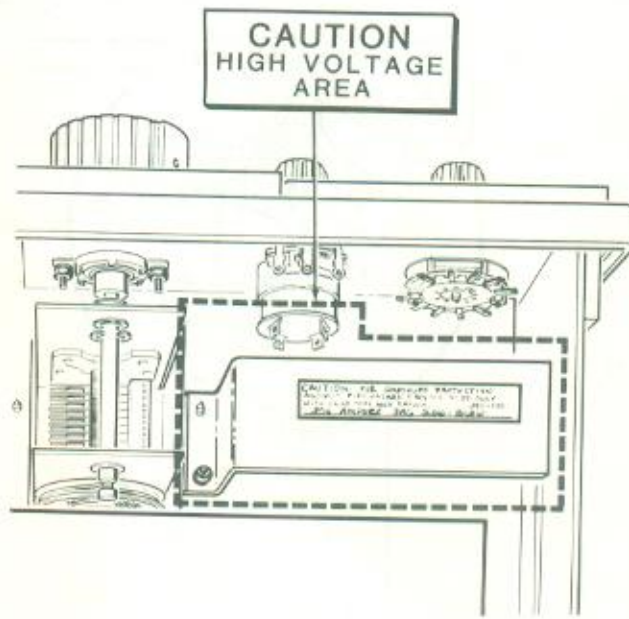


PICTORIAL 5-9





PICTORIAL 6-1



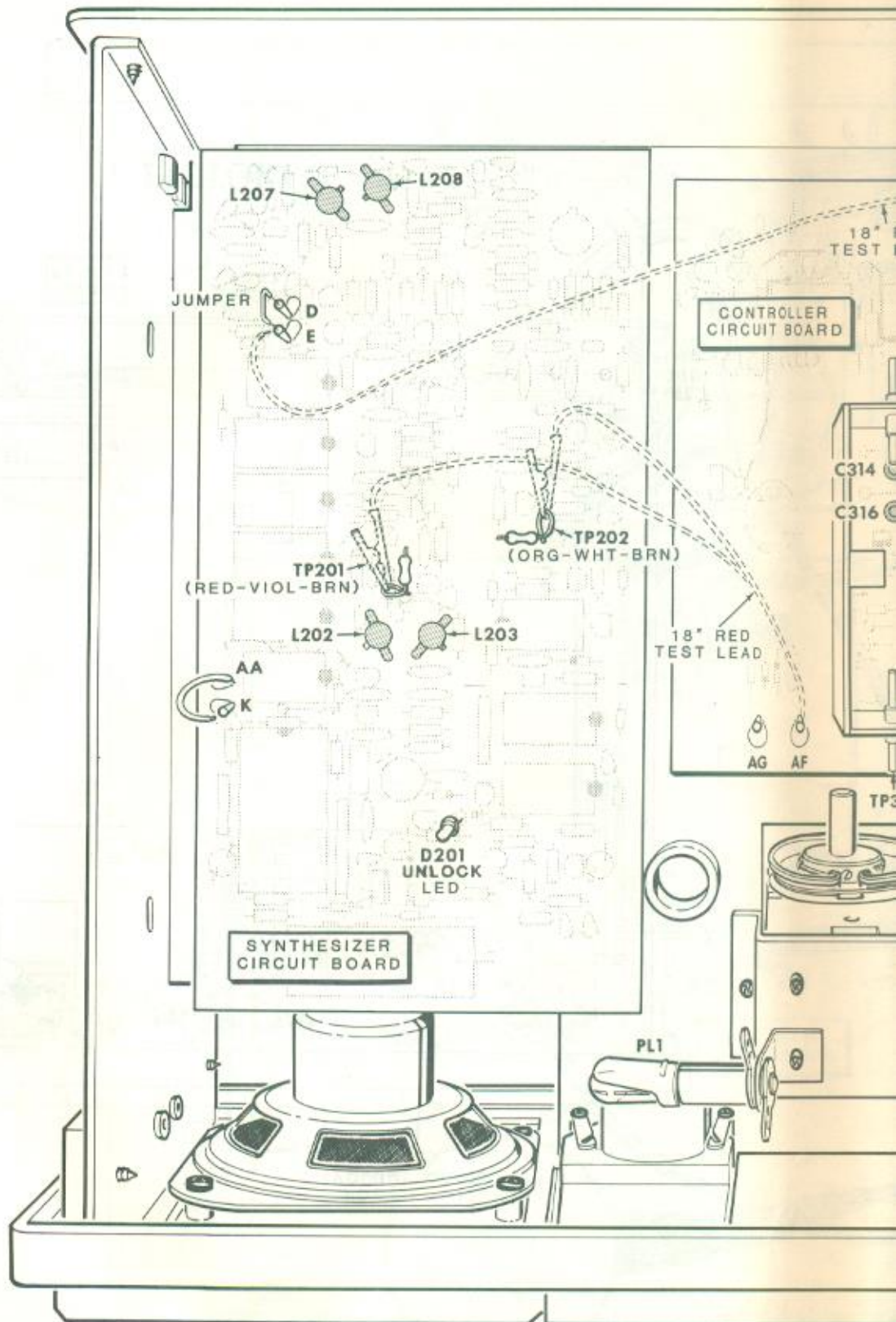
PICTORIAL 7-1

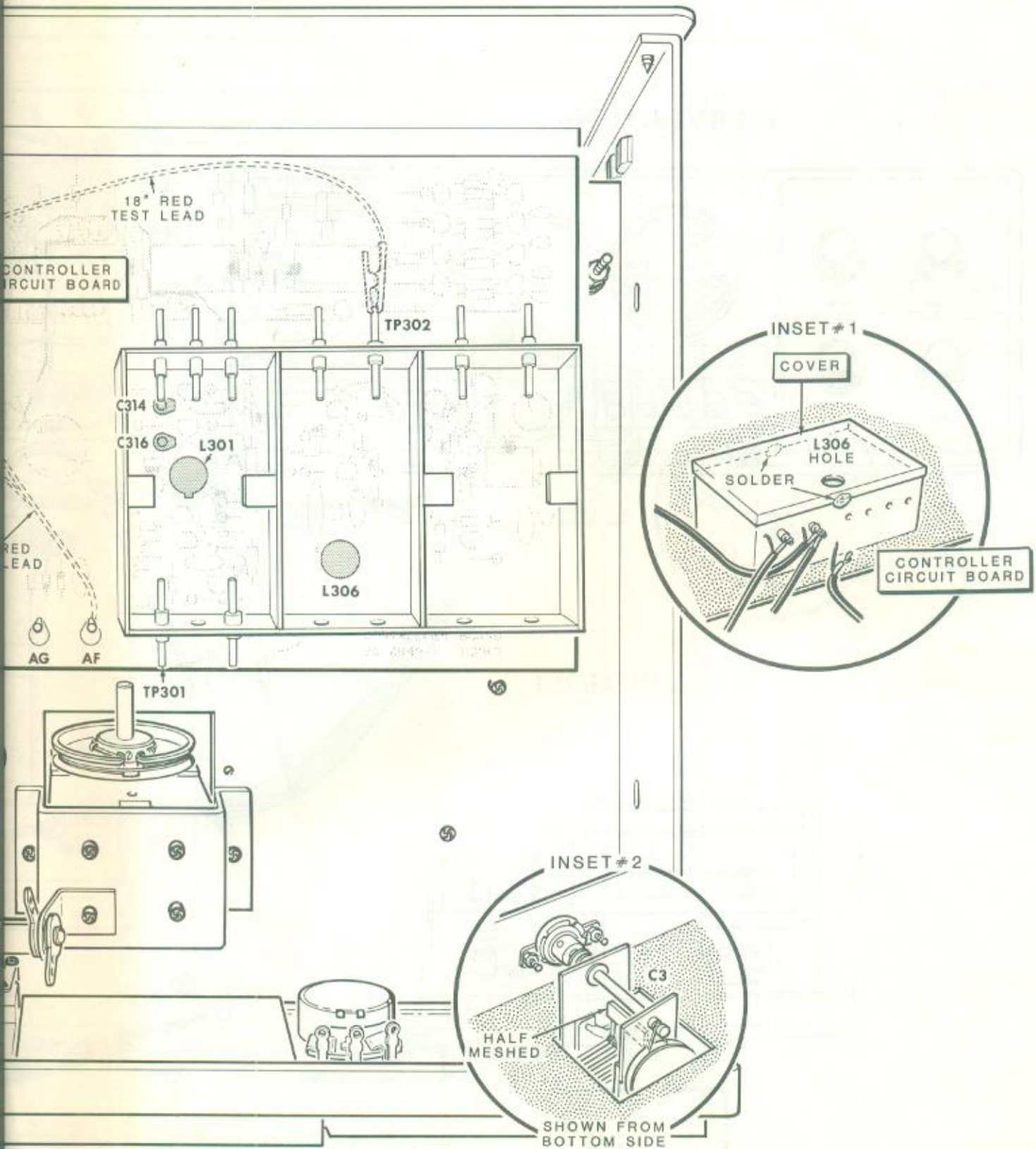


PICTORIAL 7-3



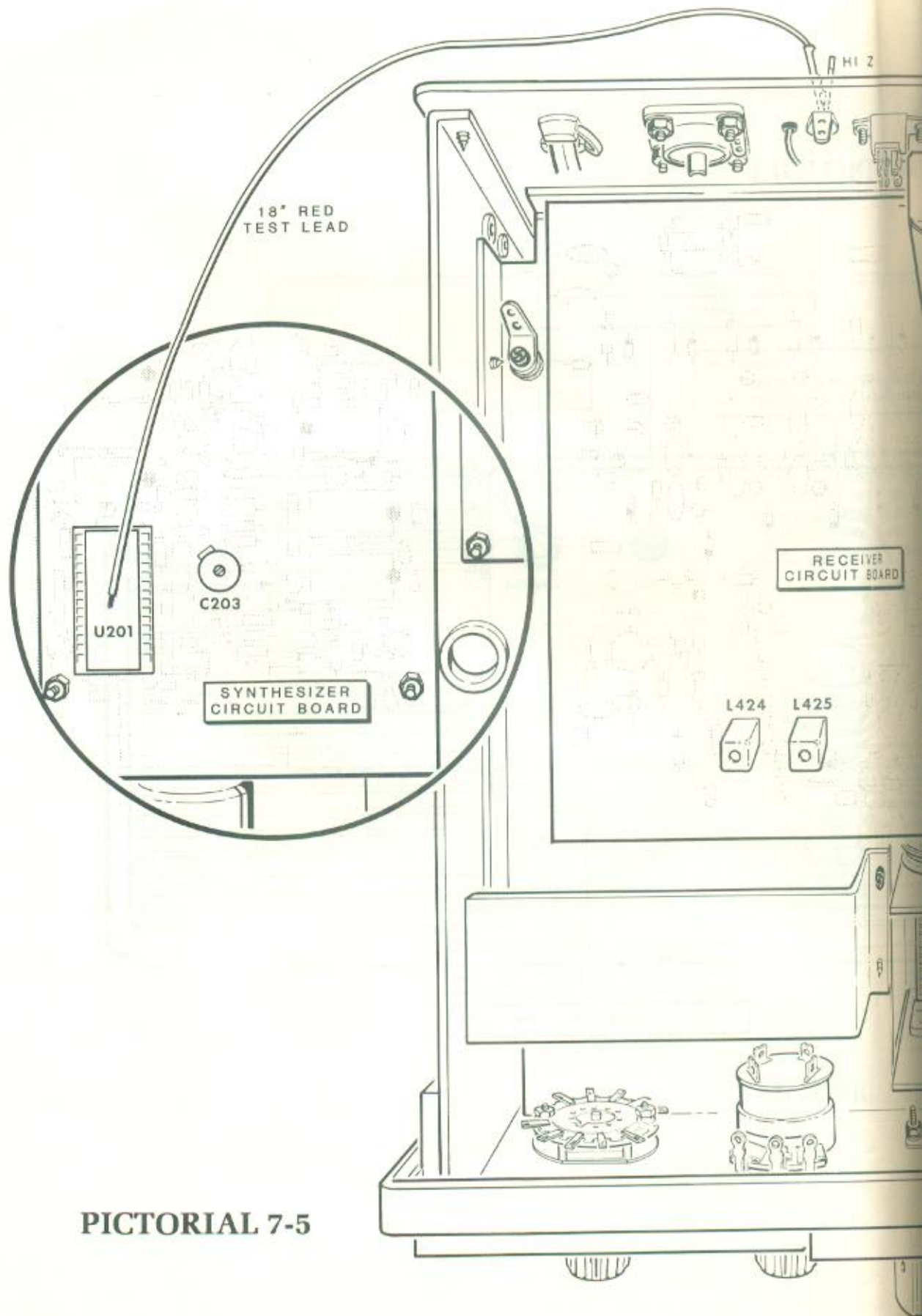




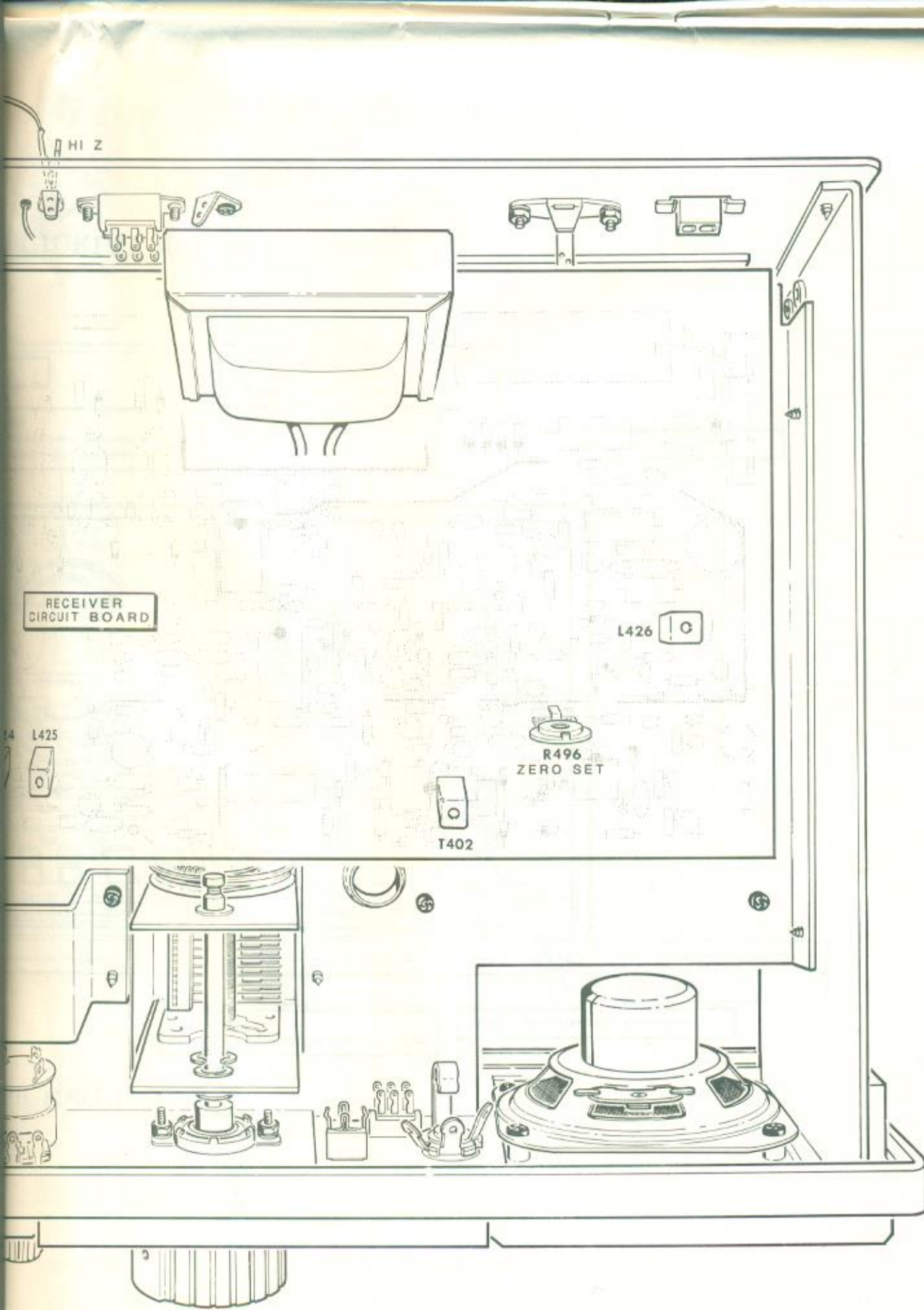


PICTORIAL 7-4

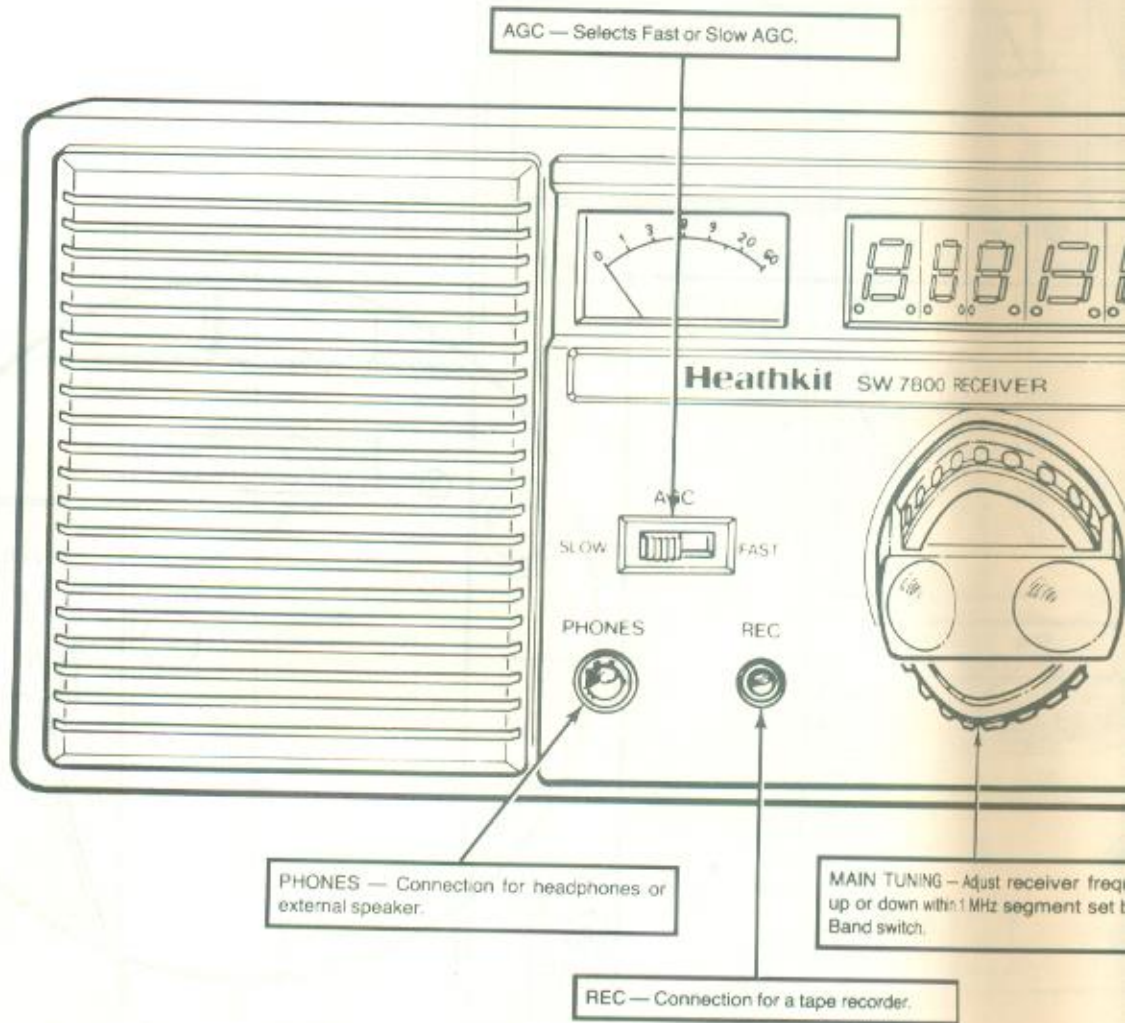




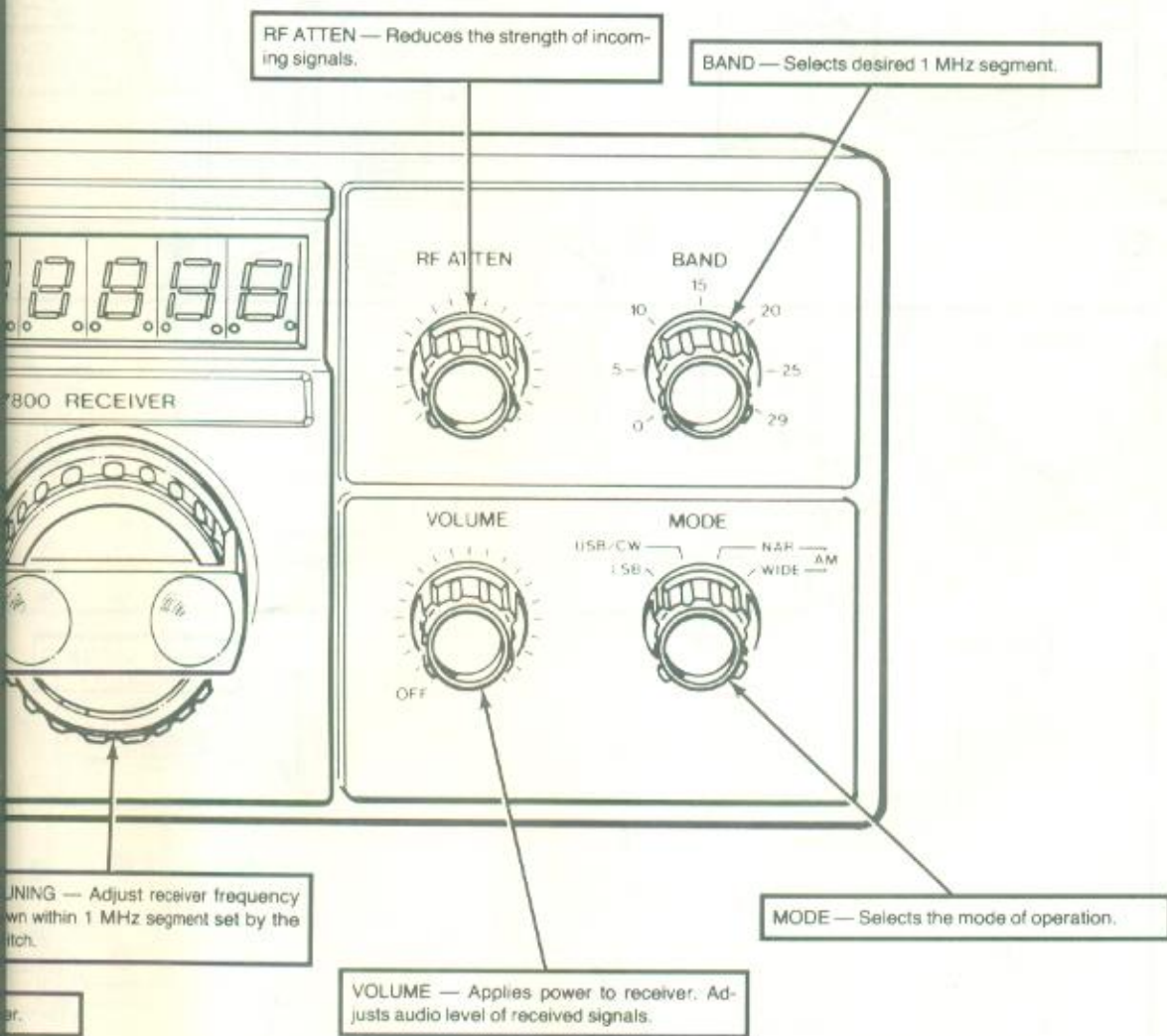
PICTORIAL 7-5







PICTORIAL 1

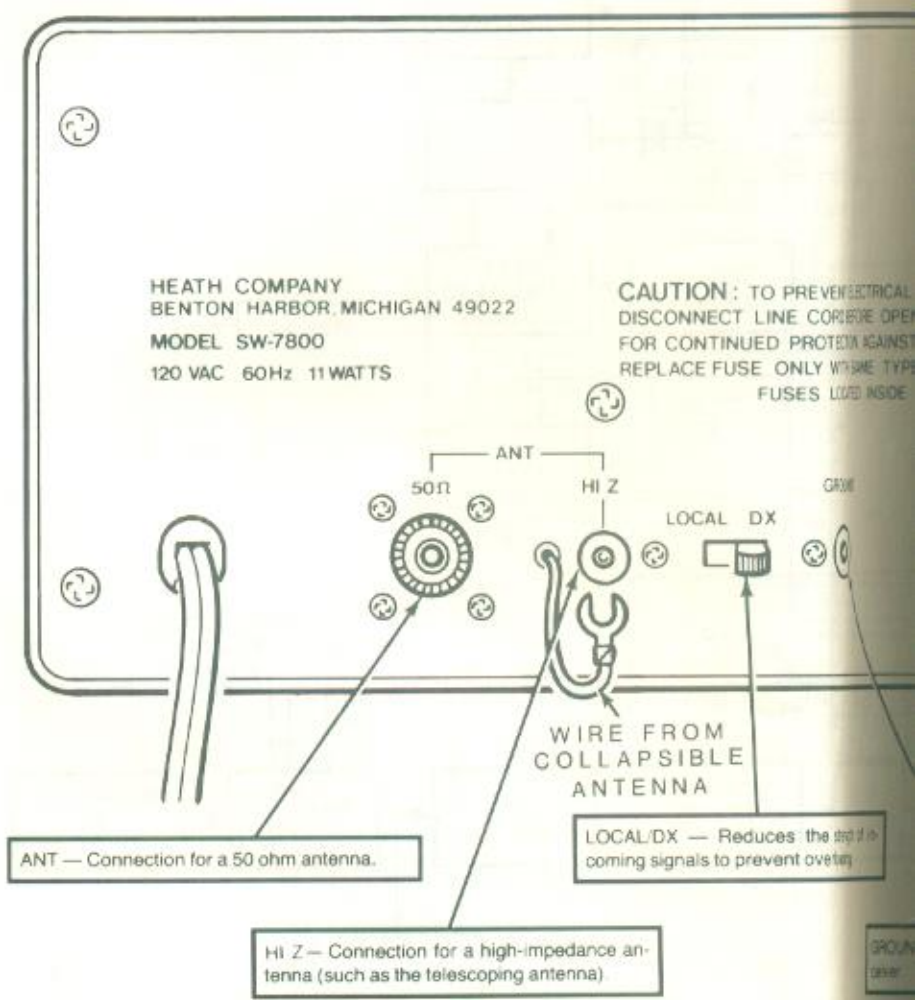


PICTORIAL 10-1



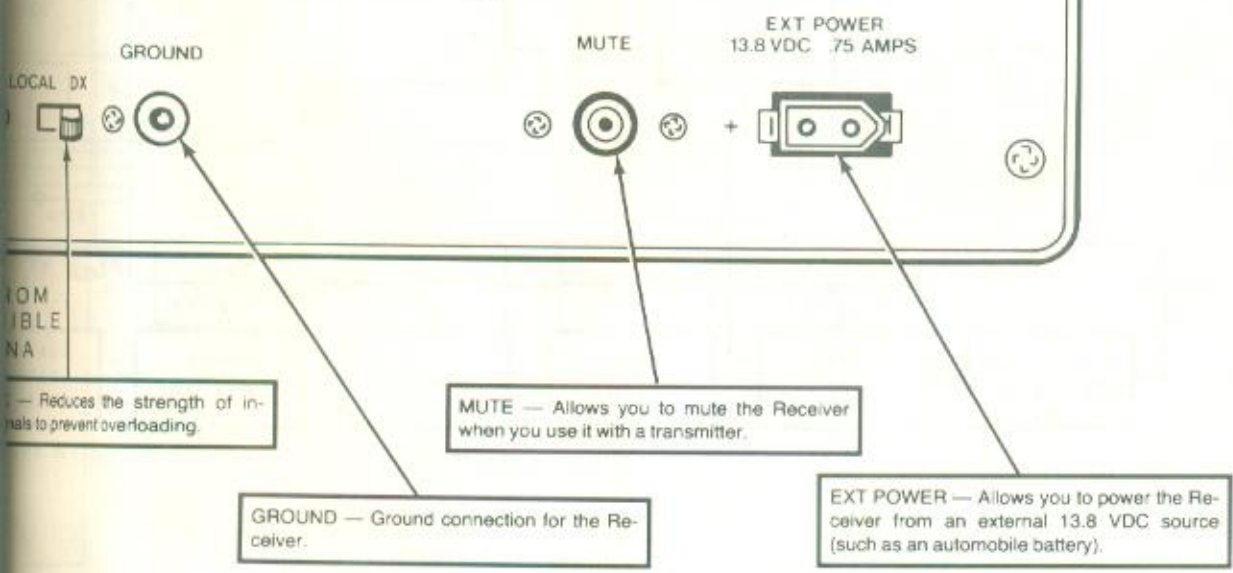
HEATH COMPANY  
BENTON HARBOR, MICHIGAN 49022  
MODEL SW-7800  
120 VAC 60Hz 11 WATTS

CAUTION: TO PREVENT ELECTRICAL  
DISCONNECT LINE COIL BEFORE OPENING  
FOR CONTINUED PROTECTION AGAINST  
REPLACE FUSE ONLY WITH SAME TYPE  
FUSES LOADED INSIDE



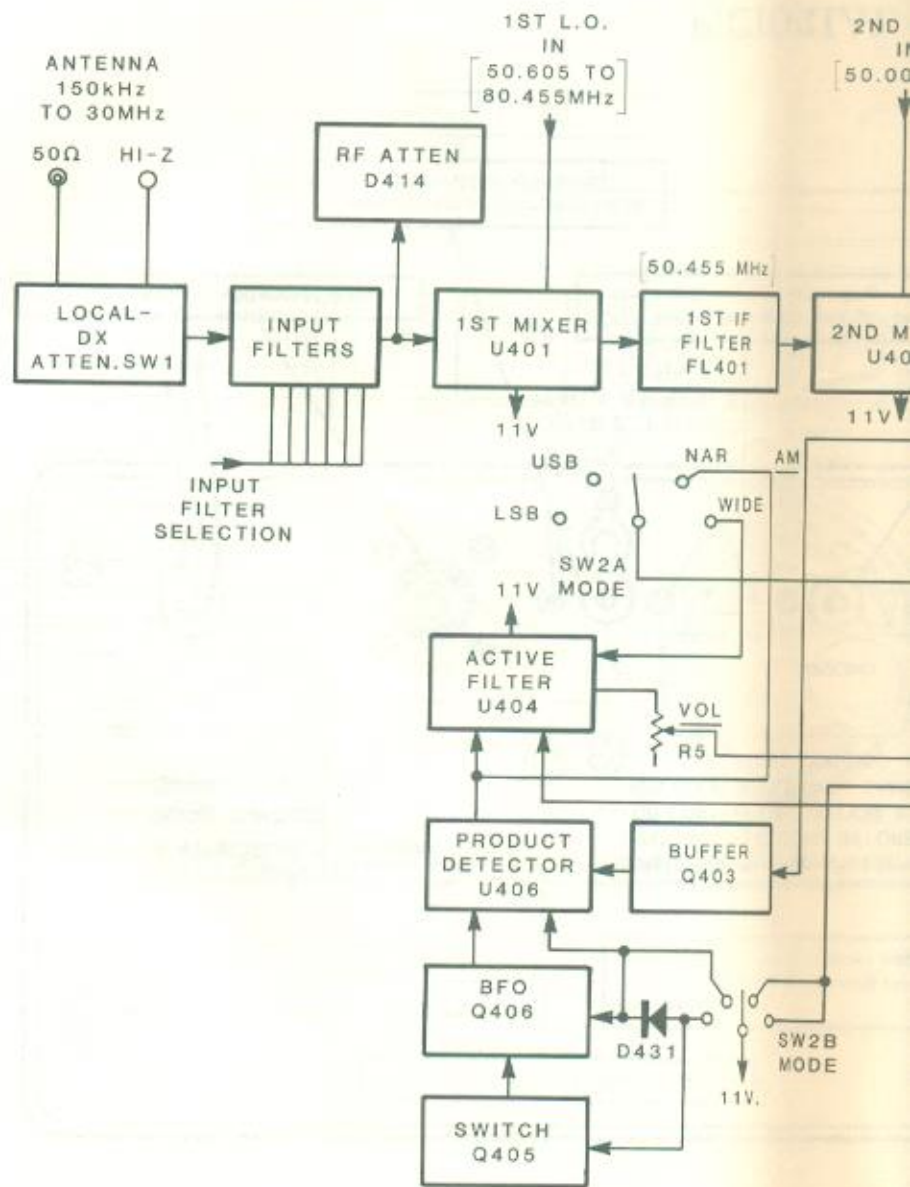
PICTORIAL 10-2

CAUTION: TO PREVENT ELECTRICAL SHOCK HAZARD,  
 CONNECT LINE CORD BEFORE OPENING.  
 CONTINUED PROTECTION AGAINST FIRE HAZARD.  
 REPLACE FUSE ONLY WITH SAME TYPE AND RATING.  
 FUSES LOCATED INSIDE

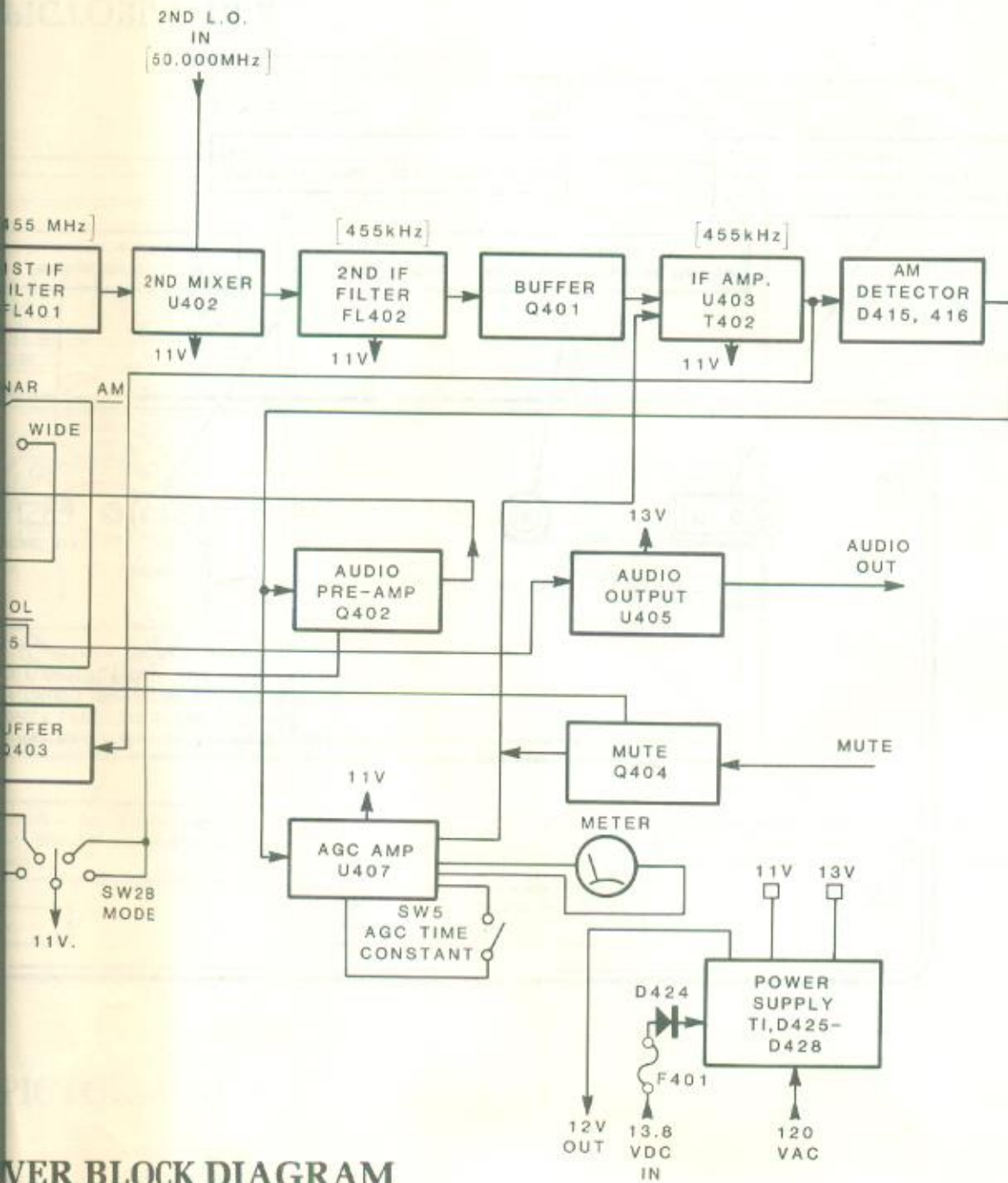


PICTORIAL 10-2



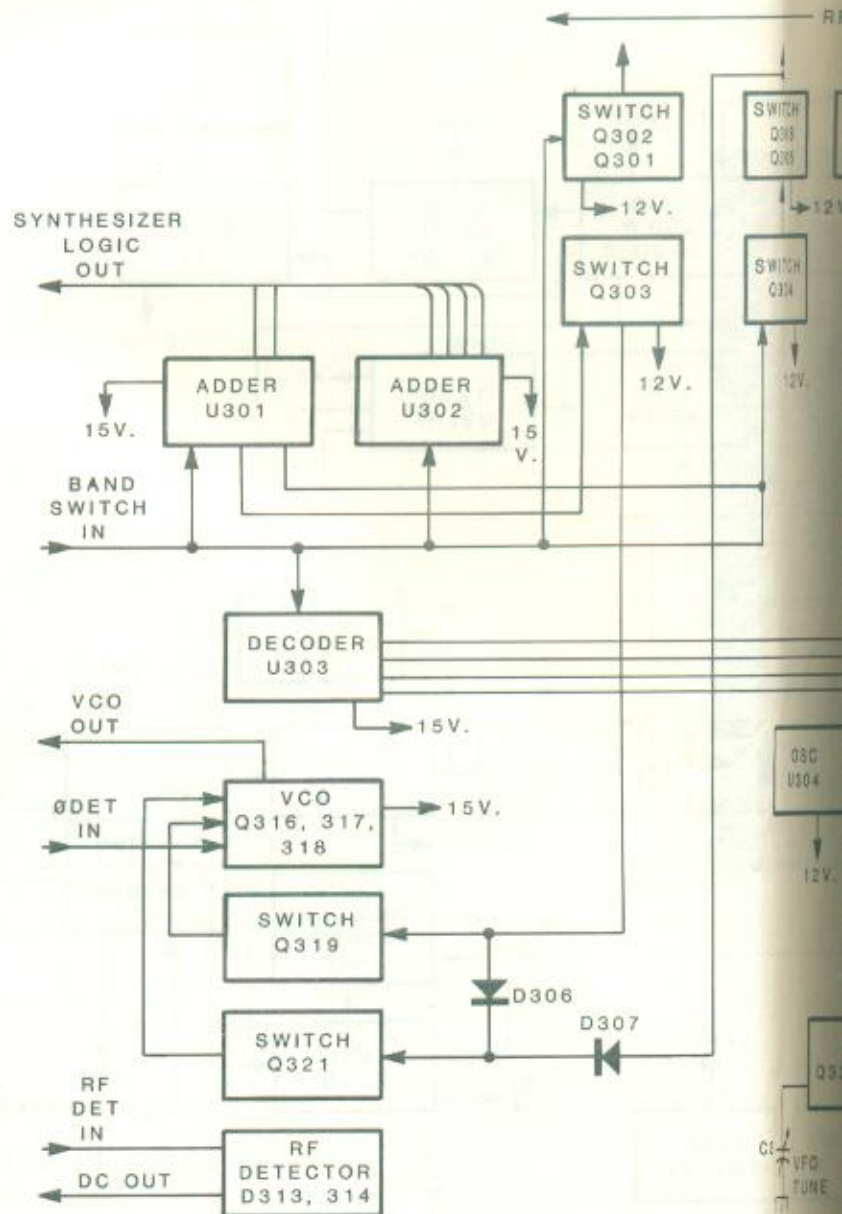


RECEIVER BLOCK

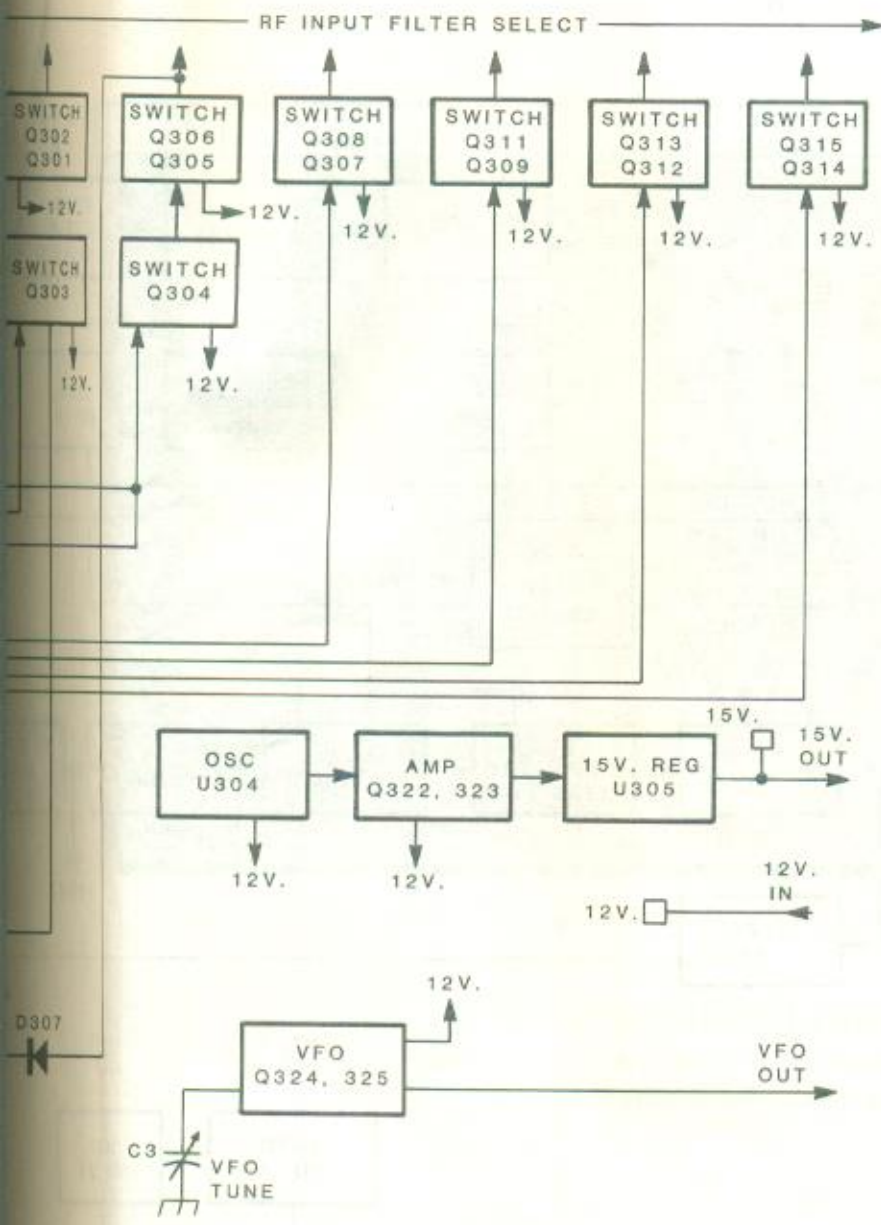


POWER BLOCK DIAGRAM



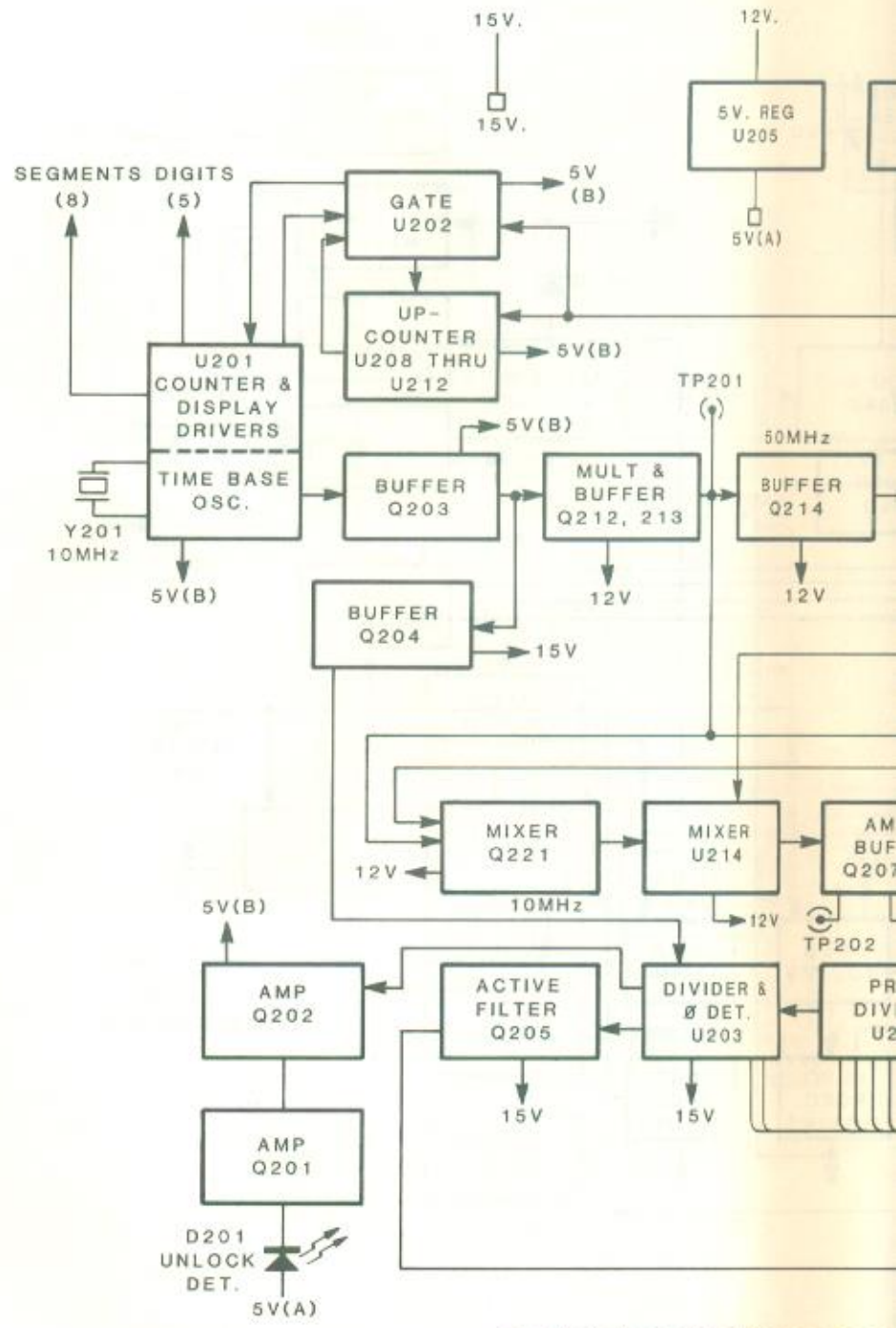


CONTROLLER BLOCK D

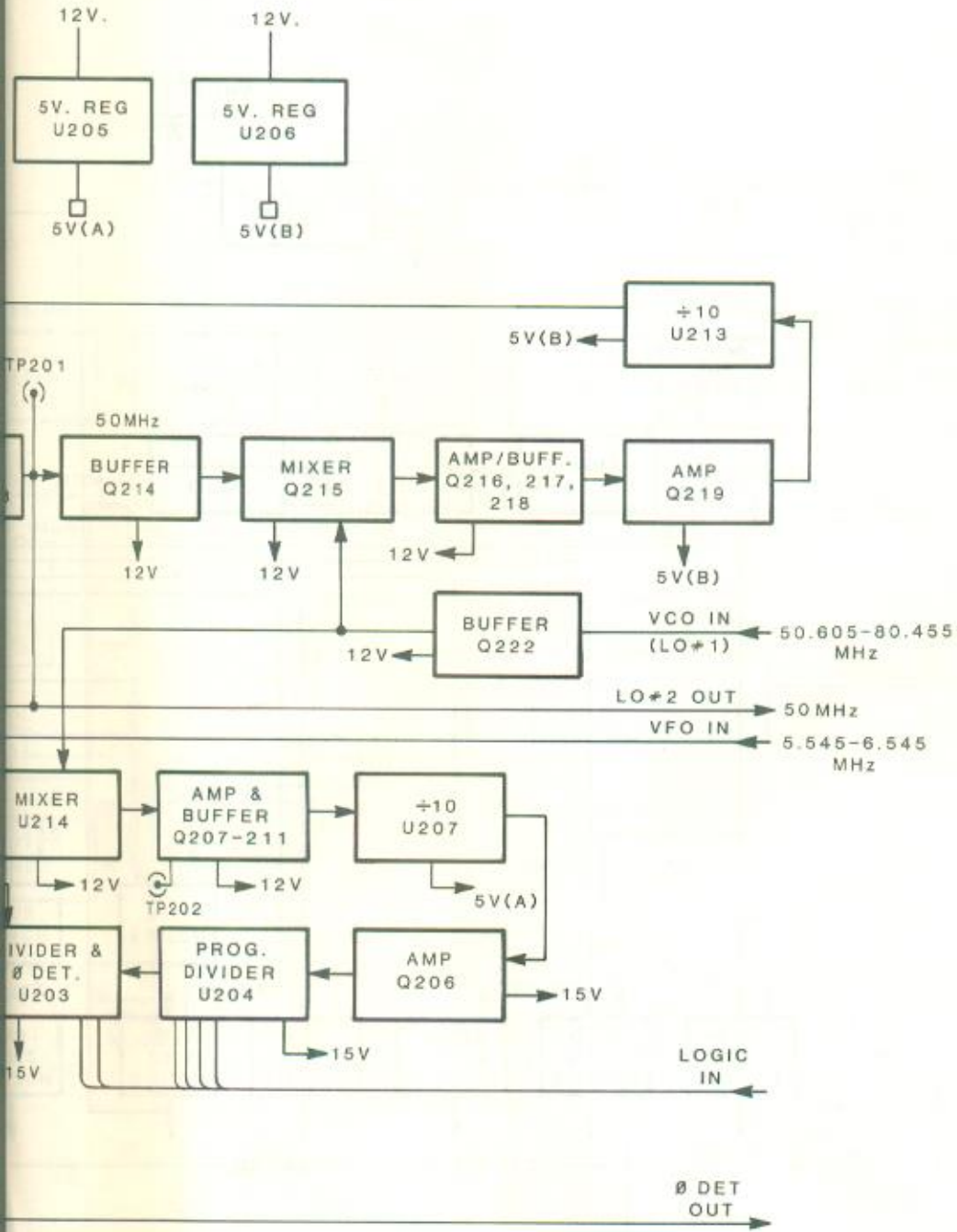


ROLLER BLOCK DIAGRAM





**SYNTHESIZER BLOCK**



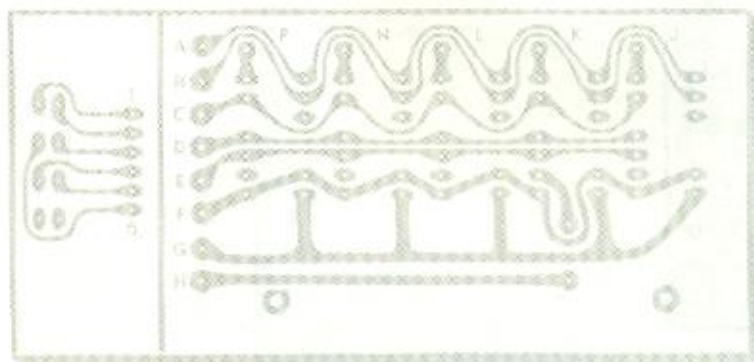
SIZER BLOCK DIAGRAM



# CIRCUIT BOARD X-RAY VIEWS

NOTE: To find the PART NUMBER of a component for the purpose of ordering a replacement part:

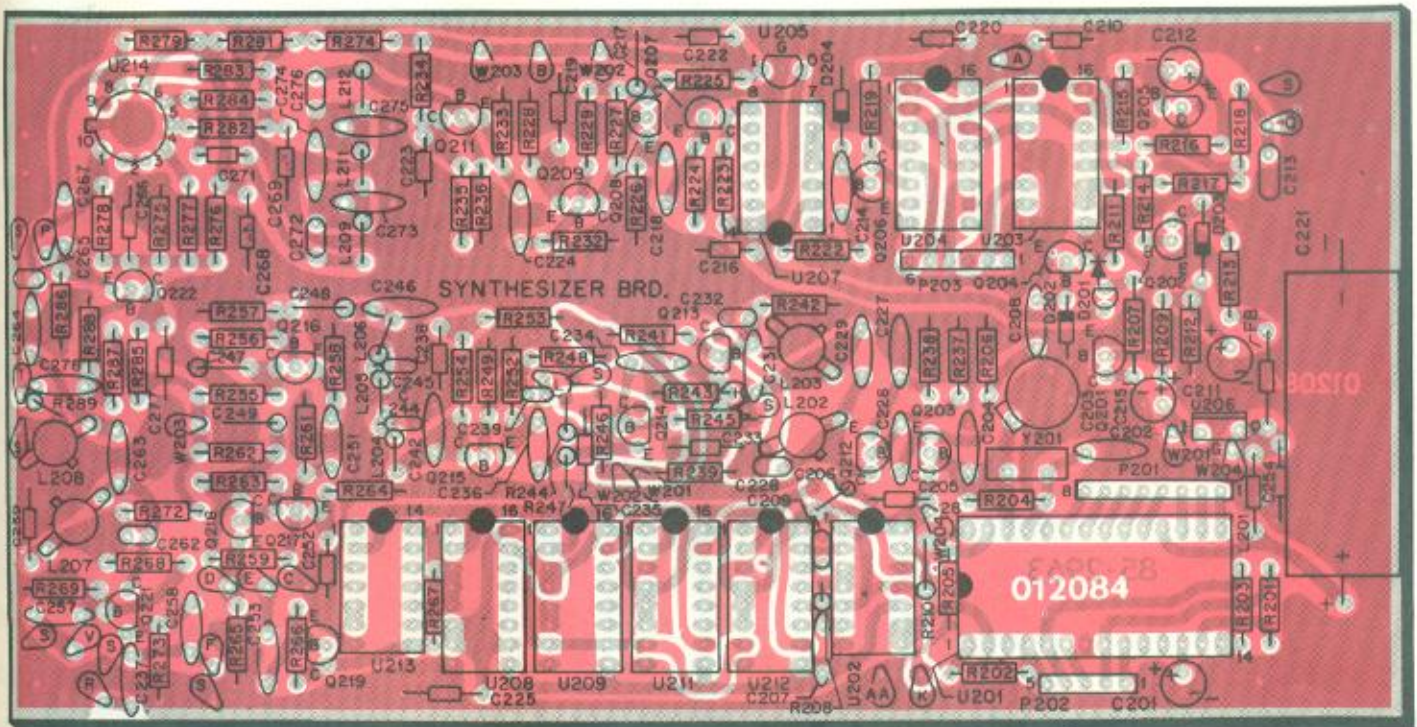
- A. Find the circuit component number (R5, C3, etc.) on the "X-Ray View."
- B. Locate this same number in the "Circuit Component Number" column of the "Parts List."
- C. Adjacent to the circuit component number, you will find the PART NUMBER and DESCRIPTION which must be supplied when you order a replacement part.



**FRONT PANEL CIRCUIT BOARD**

(Shown from the foil side).

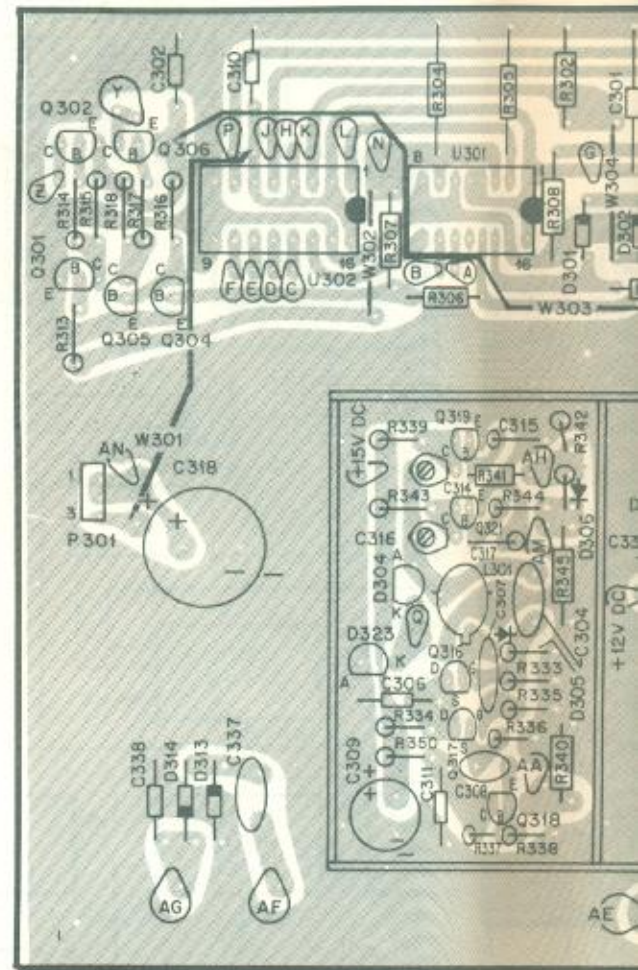




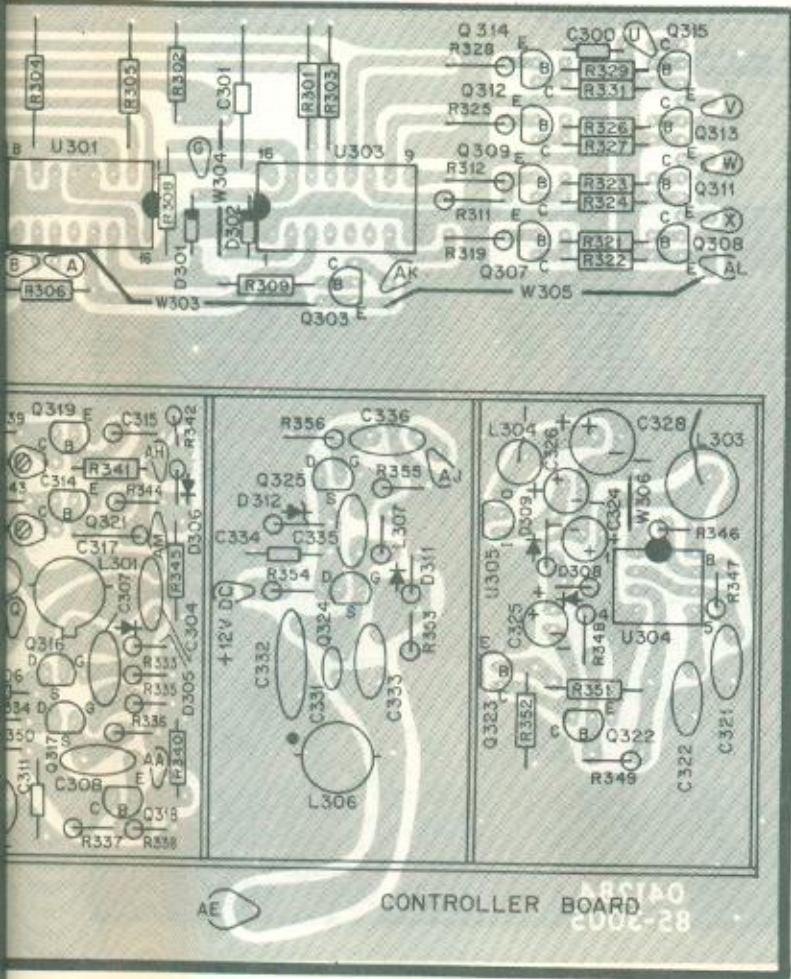
## SYNTHESIZER CIRCUIT BOARD

(Shown from the component side. The foil on the component side is shown in red).



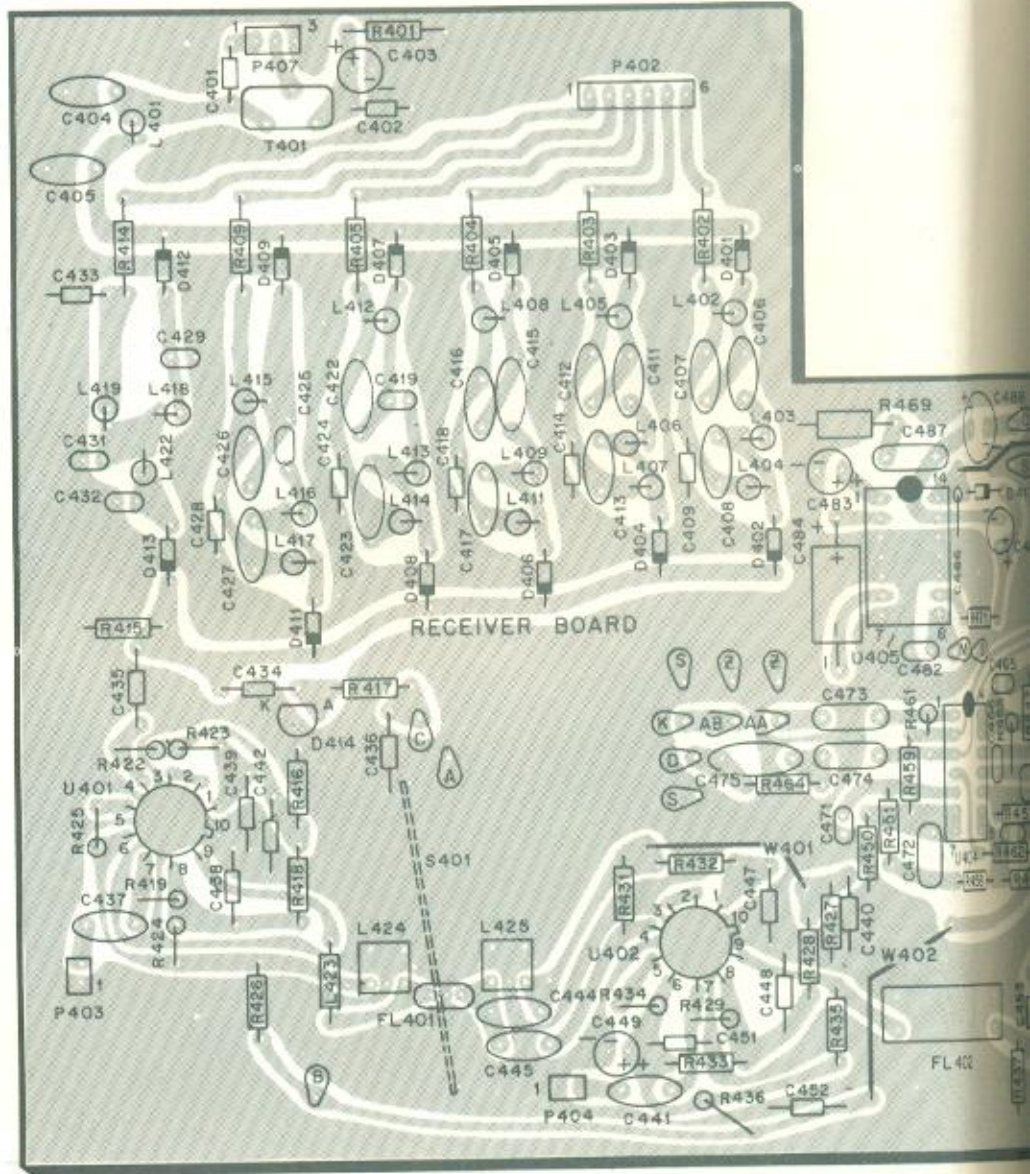


**CONTROLLER CIRCUIT**  
(Shown from the component side)

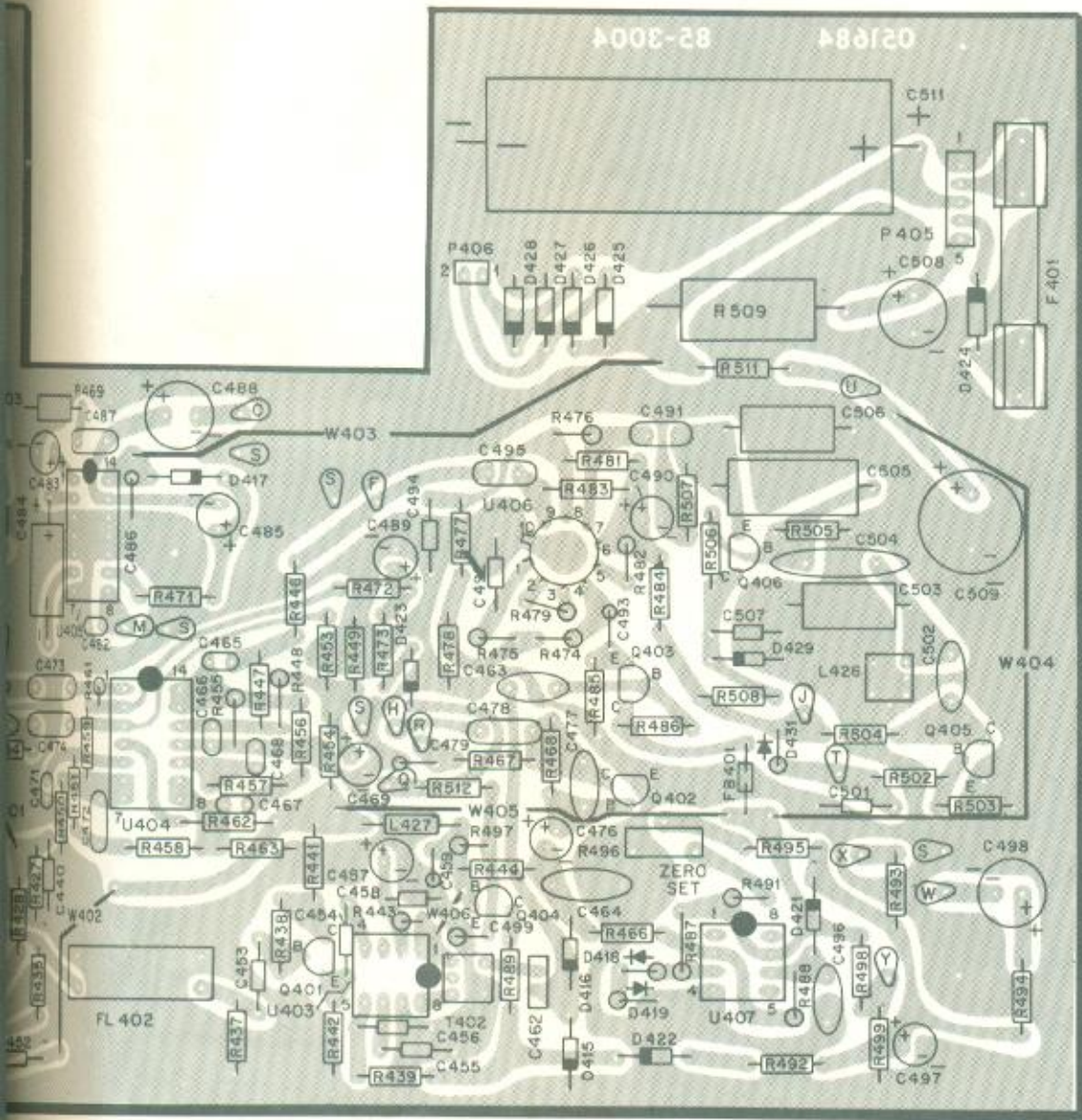


ROLLER CIRCUIT BOARD  
(shown from the component side).





**RECEIVER CIRCUIT**  
 (Shown from the component side)



RECEIVER CIRCUIT BOARD  
 (shown from the component side).