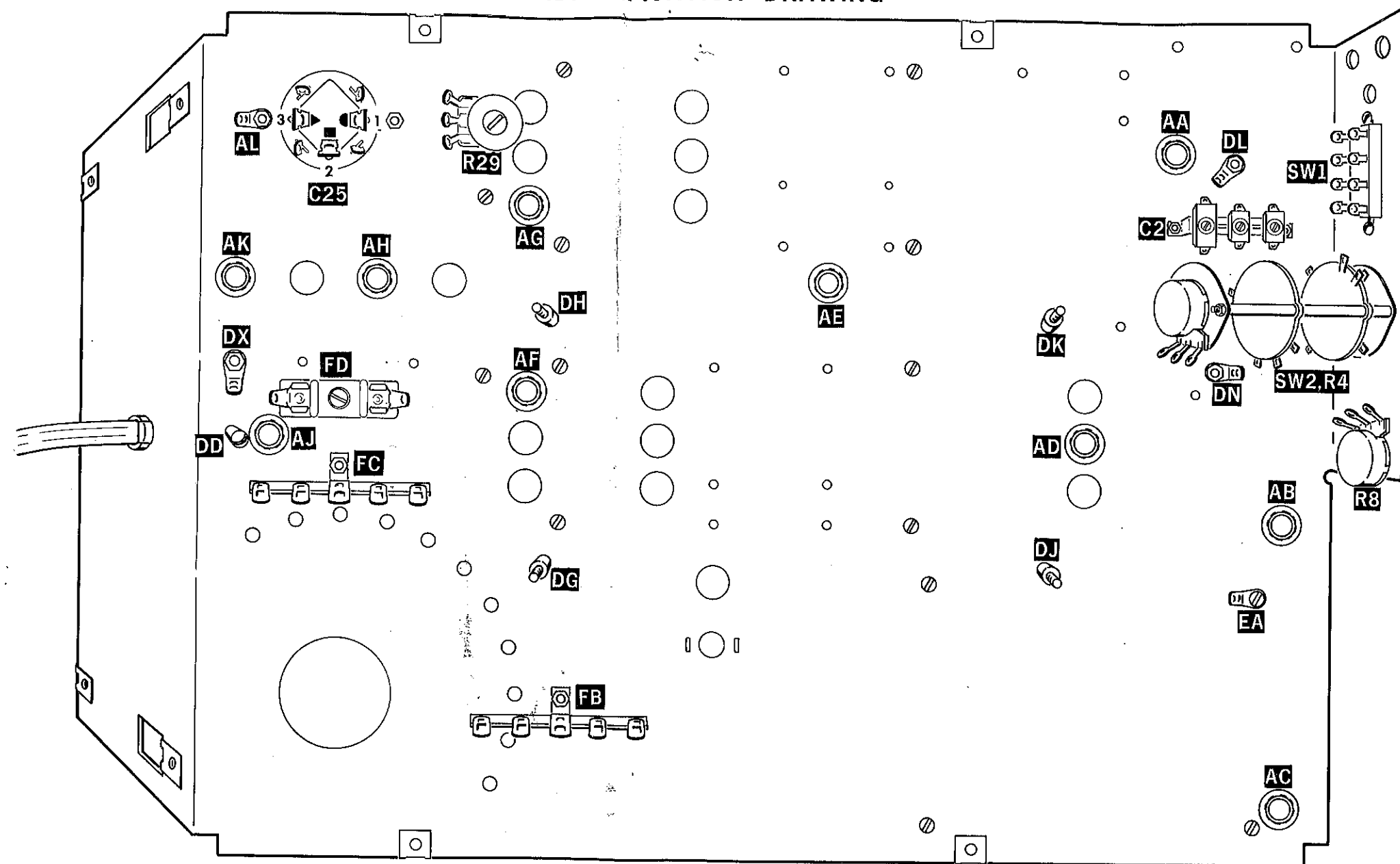


# ILLUSTRATION BOOKLET

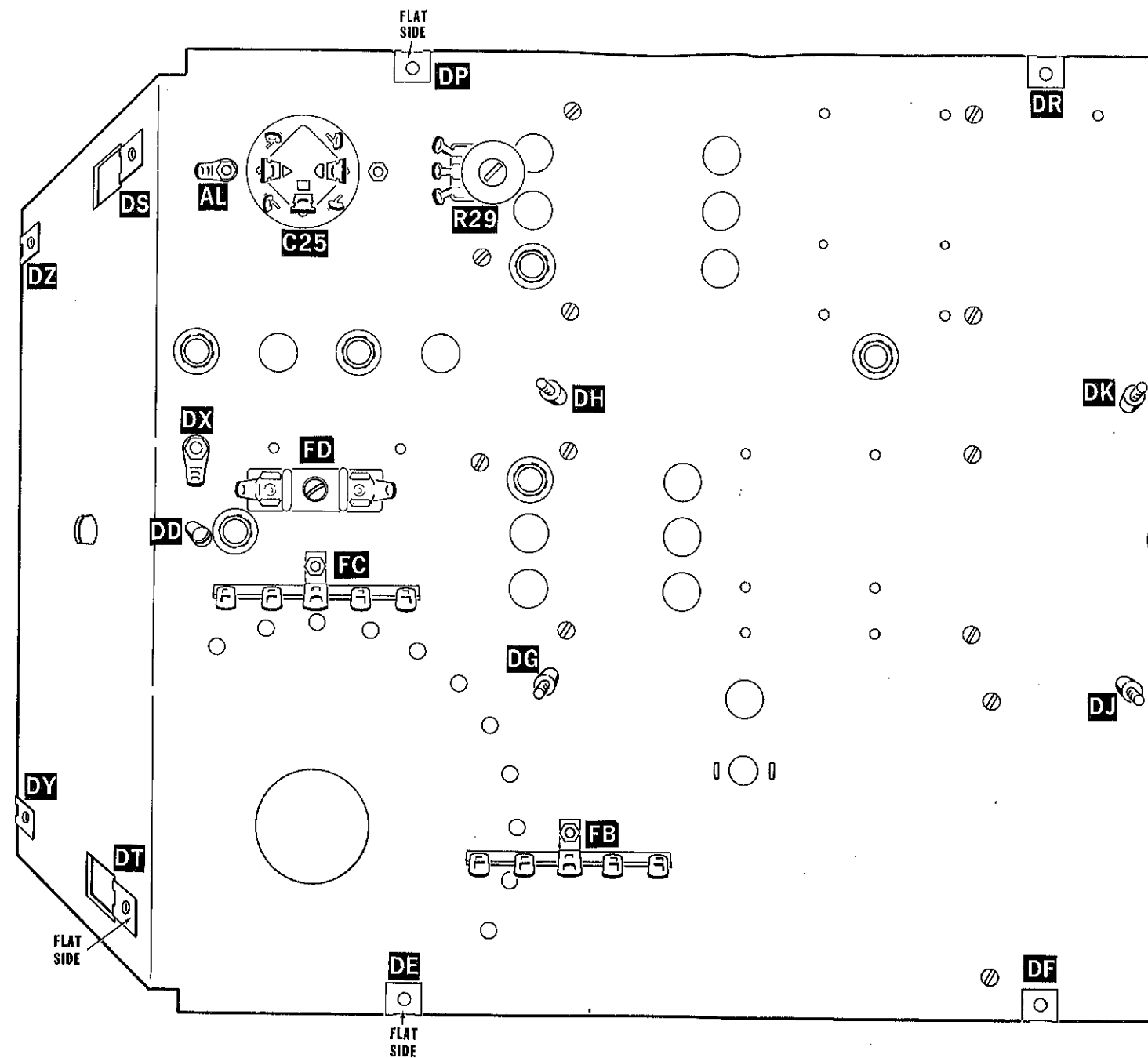
## IDENTIFICATION DRAWING

Part of 595-1977-02

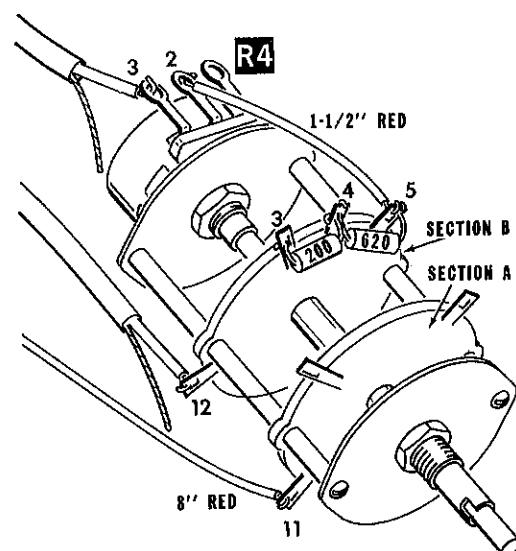


CHASSIS BOTTOM

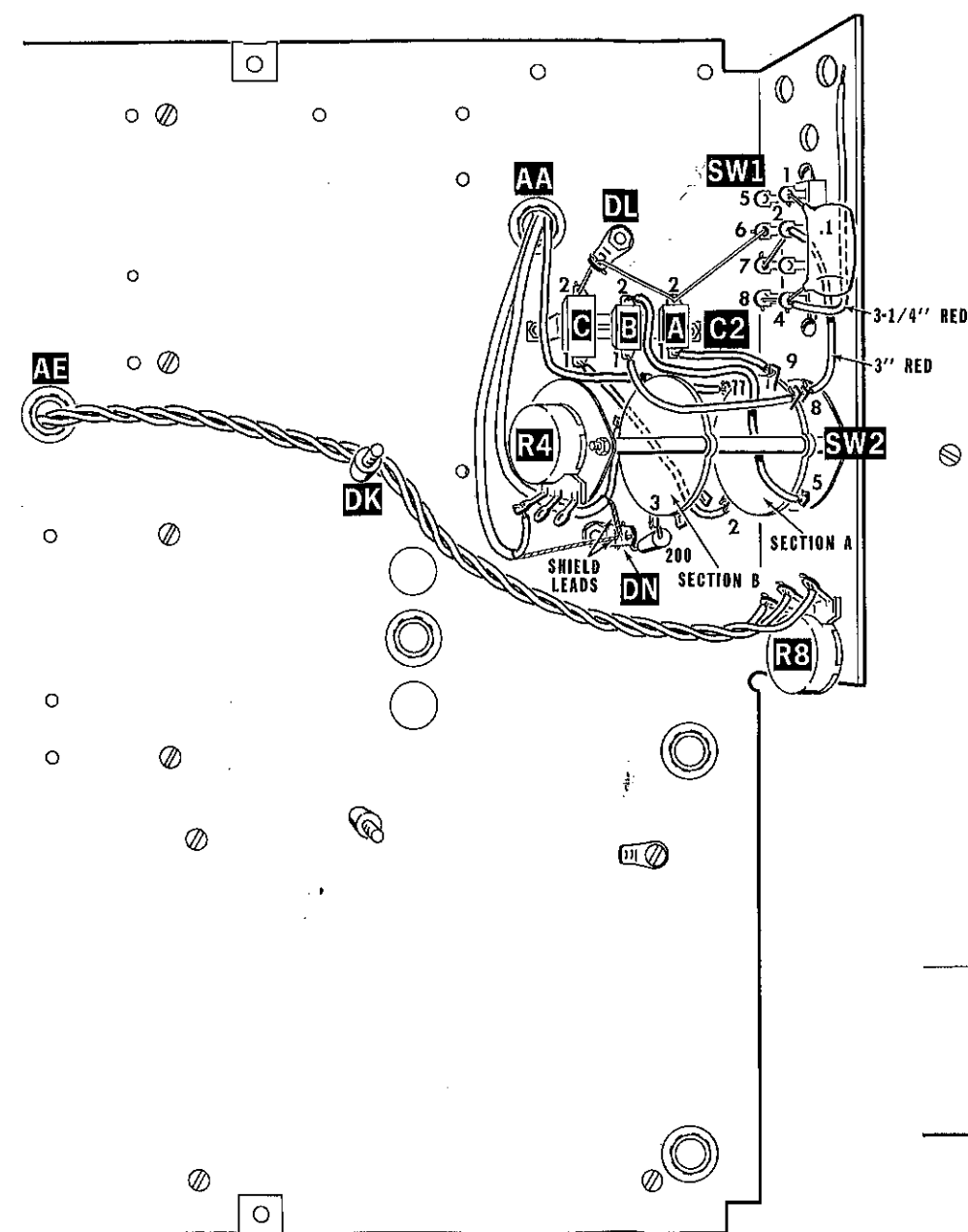
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Model IO-4541 Printed in the United States of America



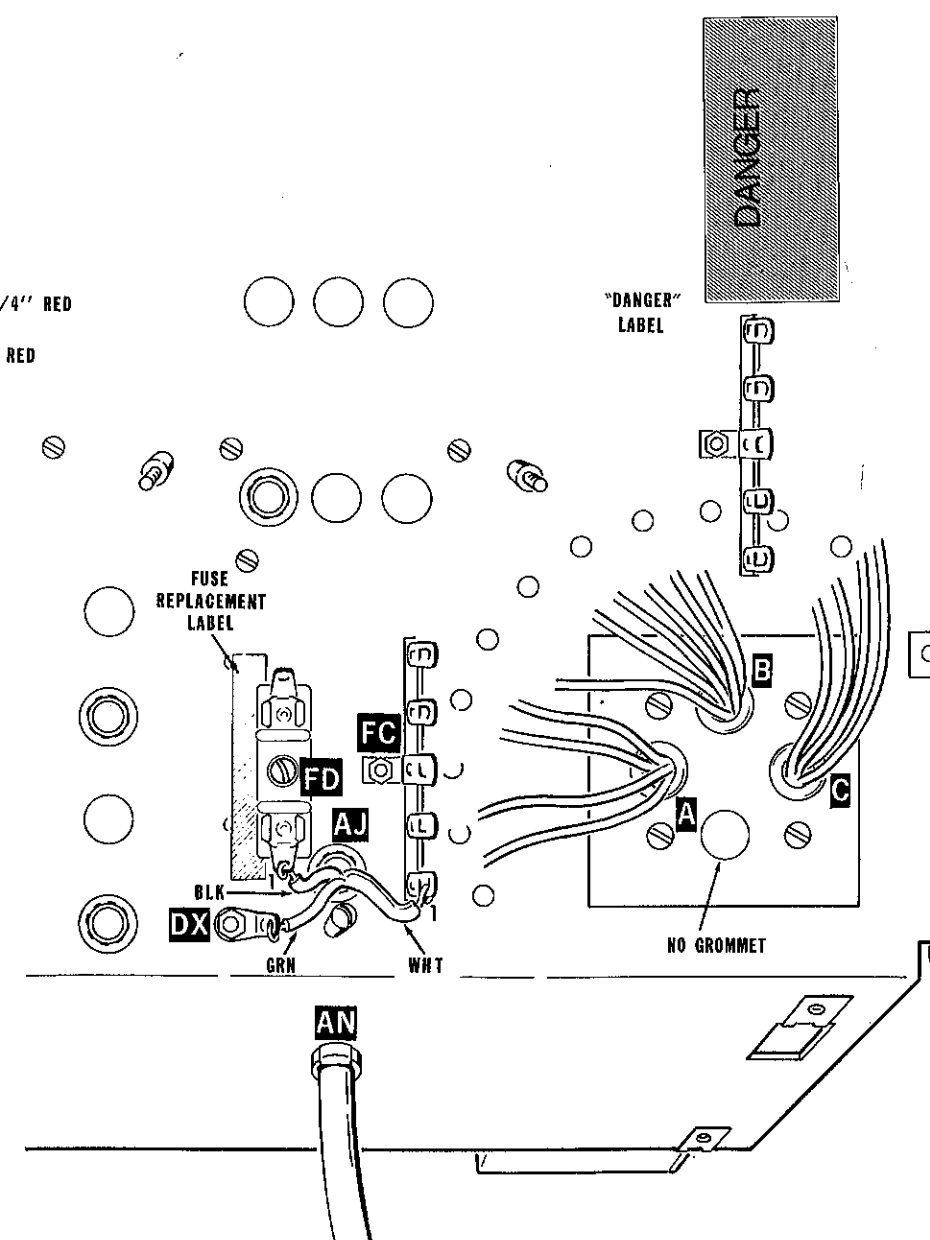
PICTORIAL 6-3



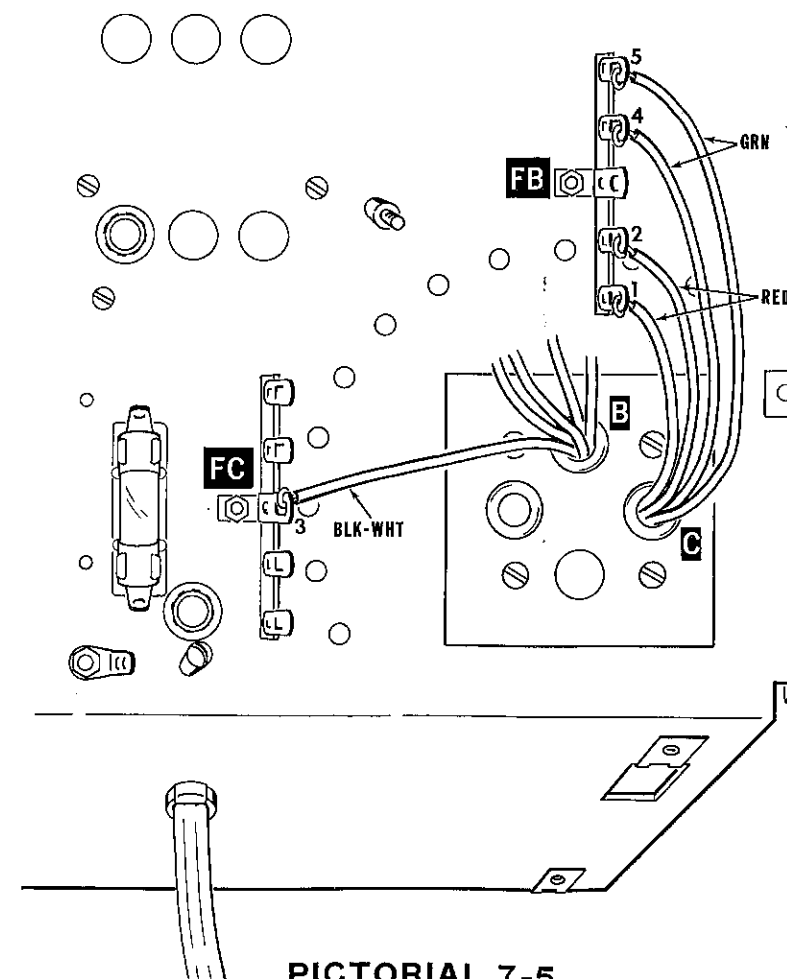
PICTORIAL 6-6



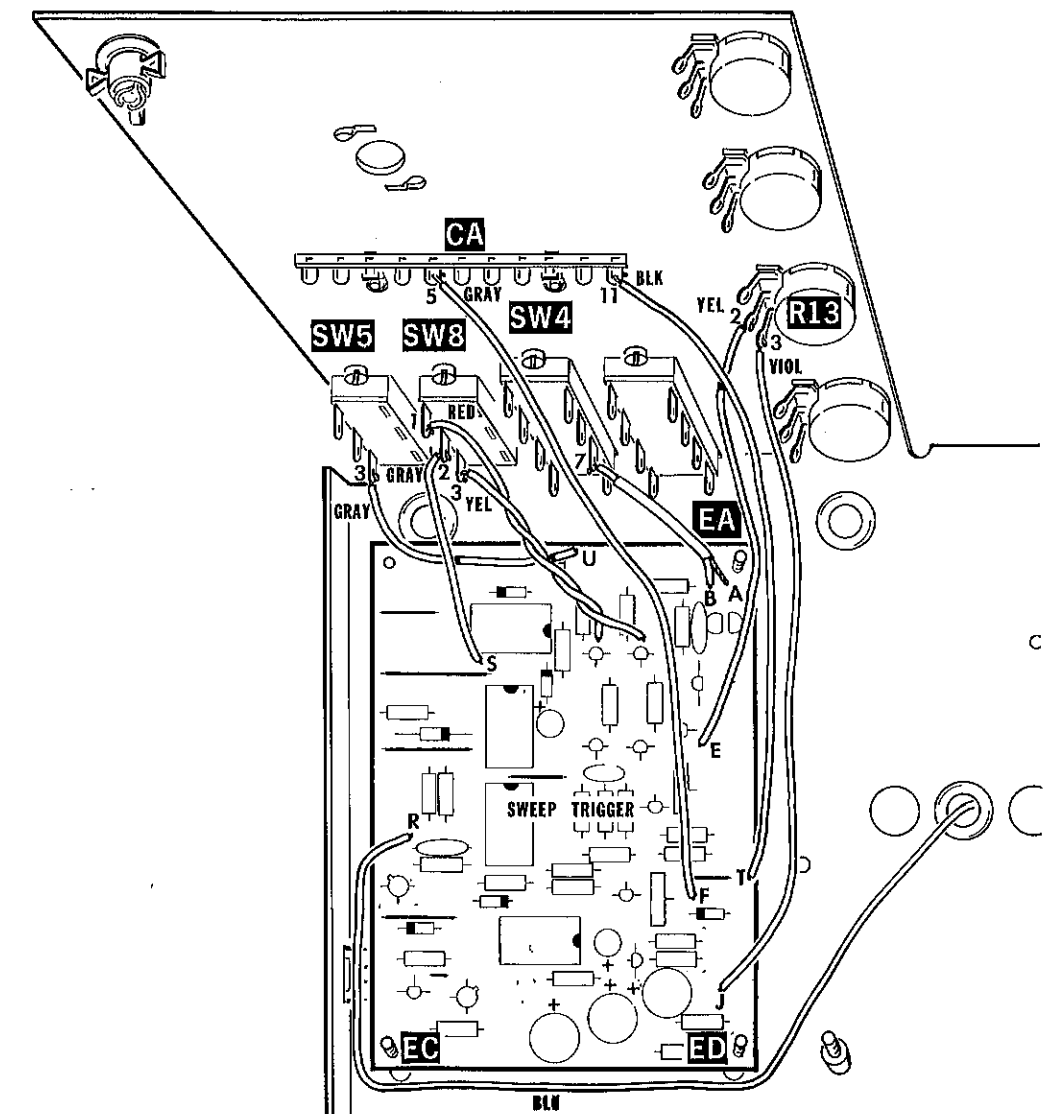
PICTORIAL 6-7



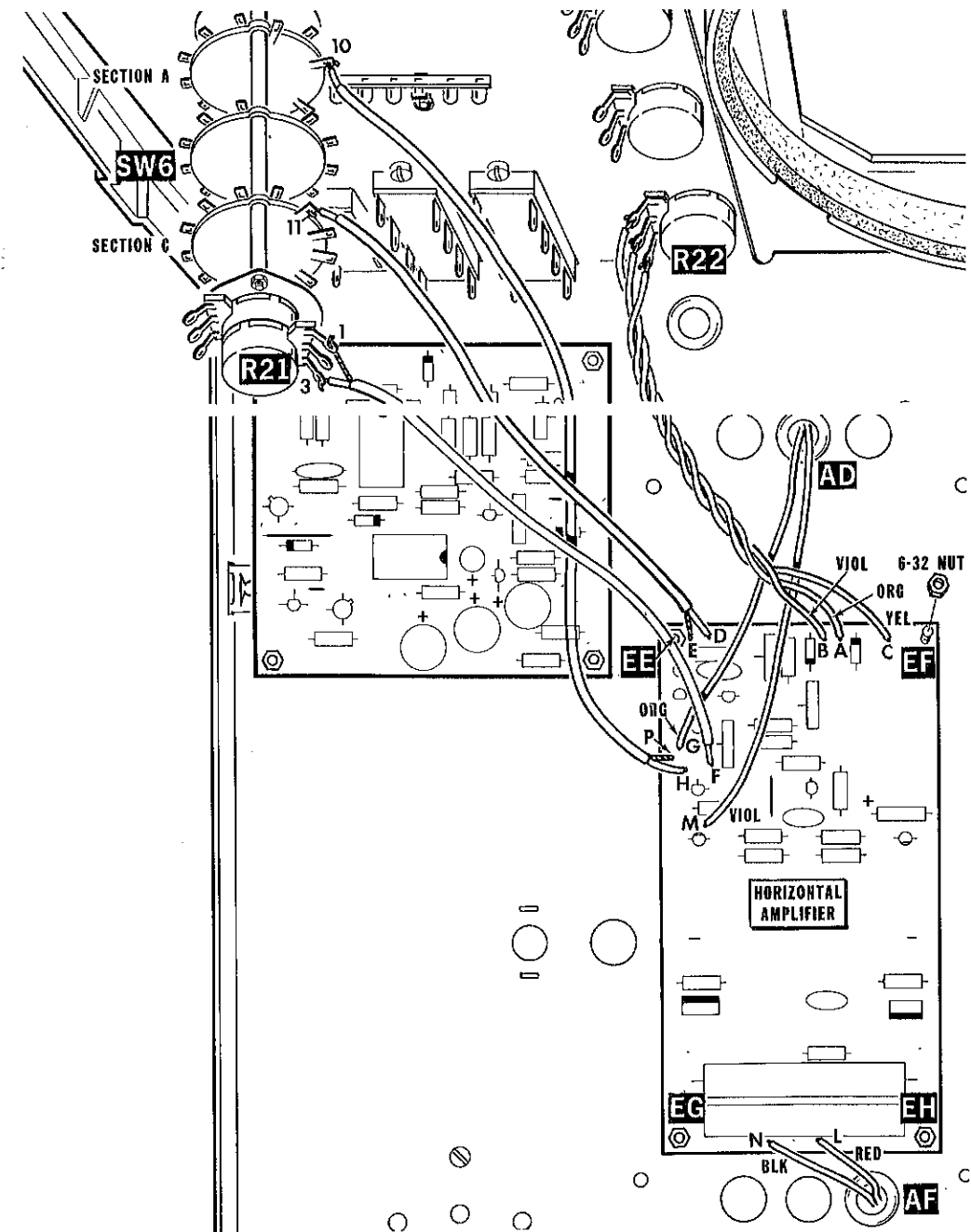
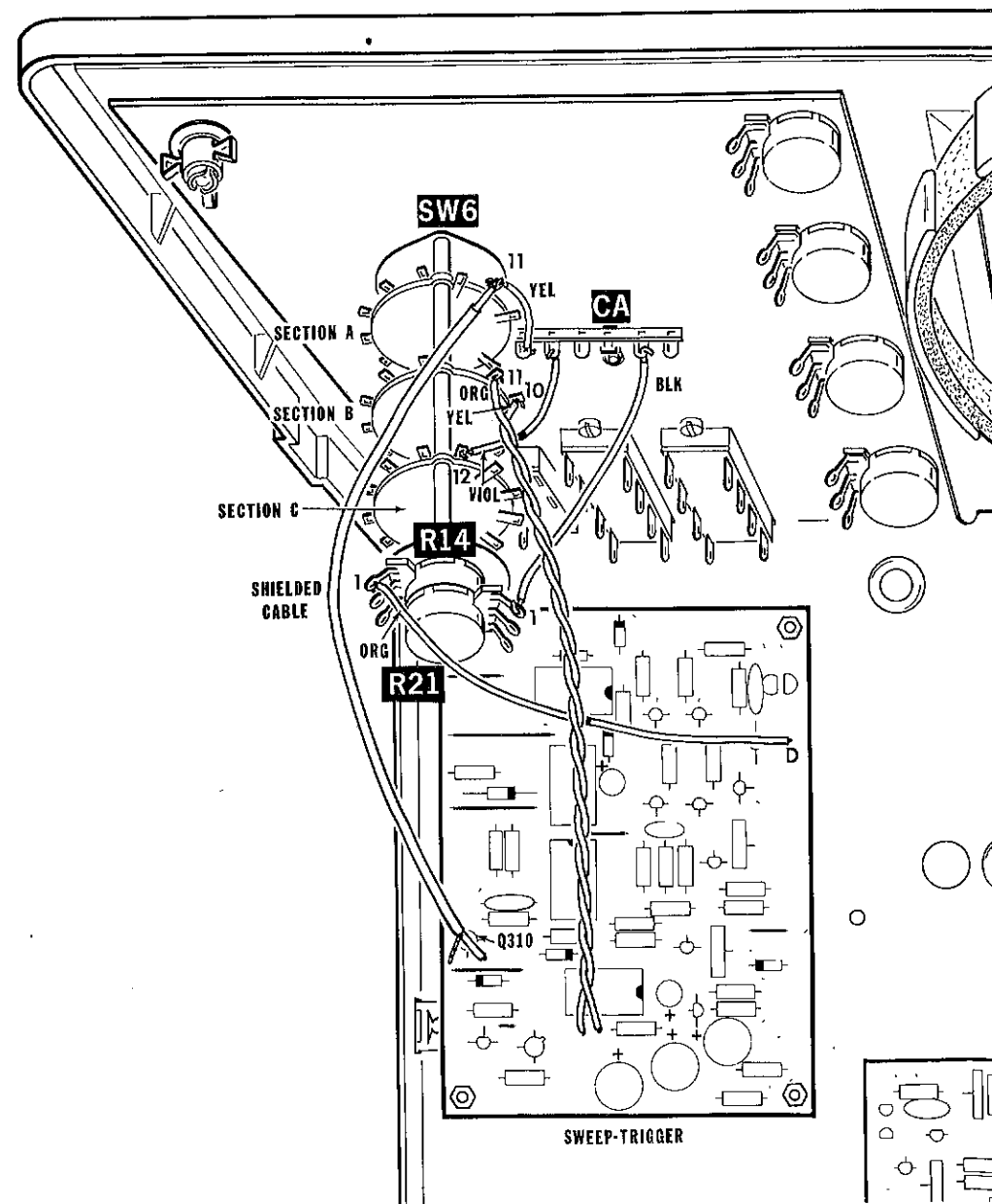
PICTORIAL 7-4

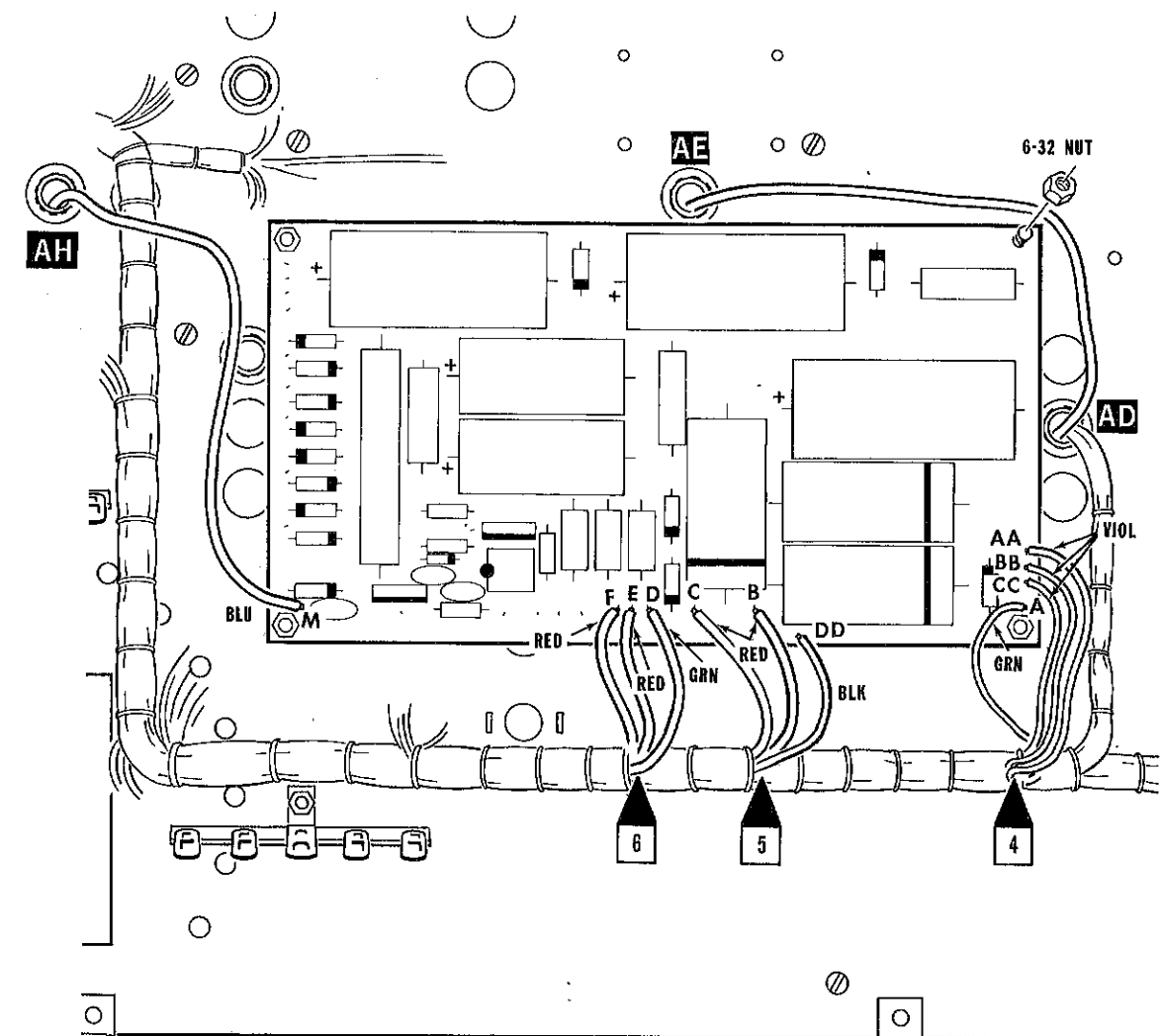
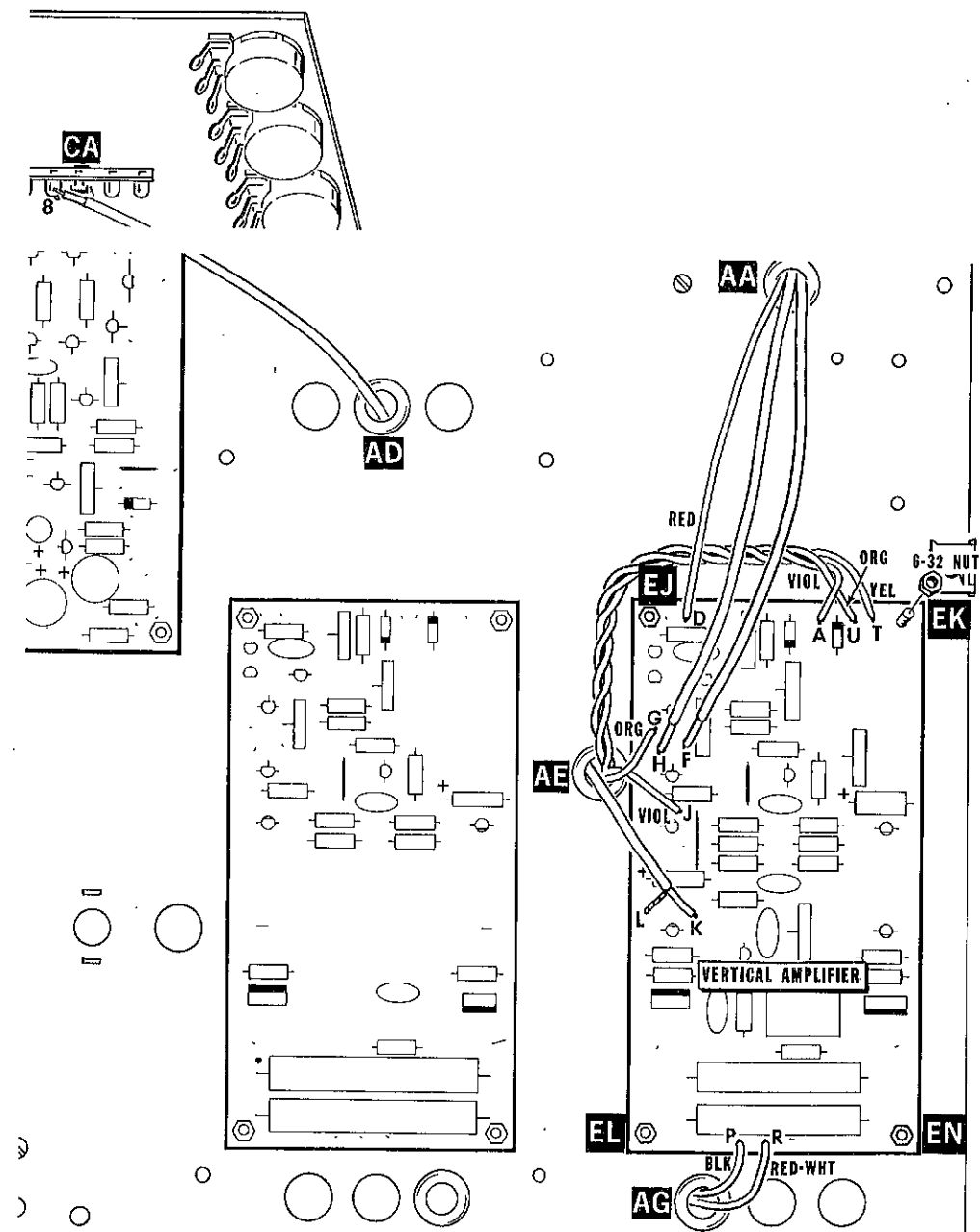


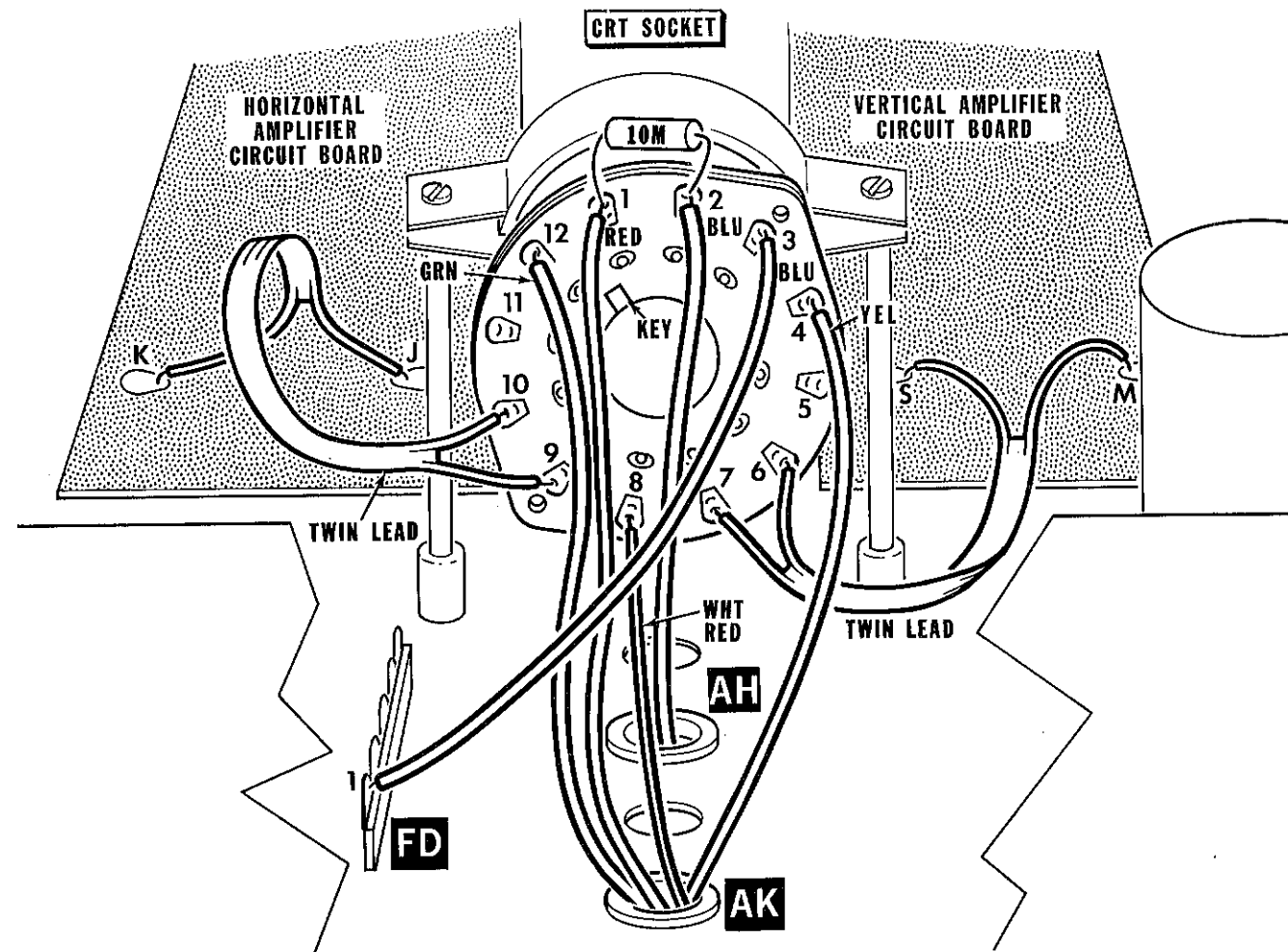
PICTORIAL 7-5



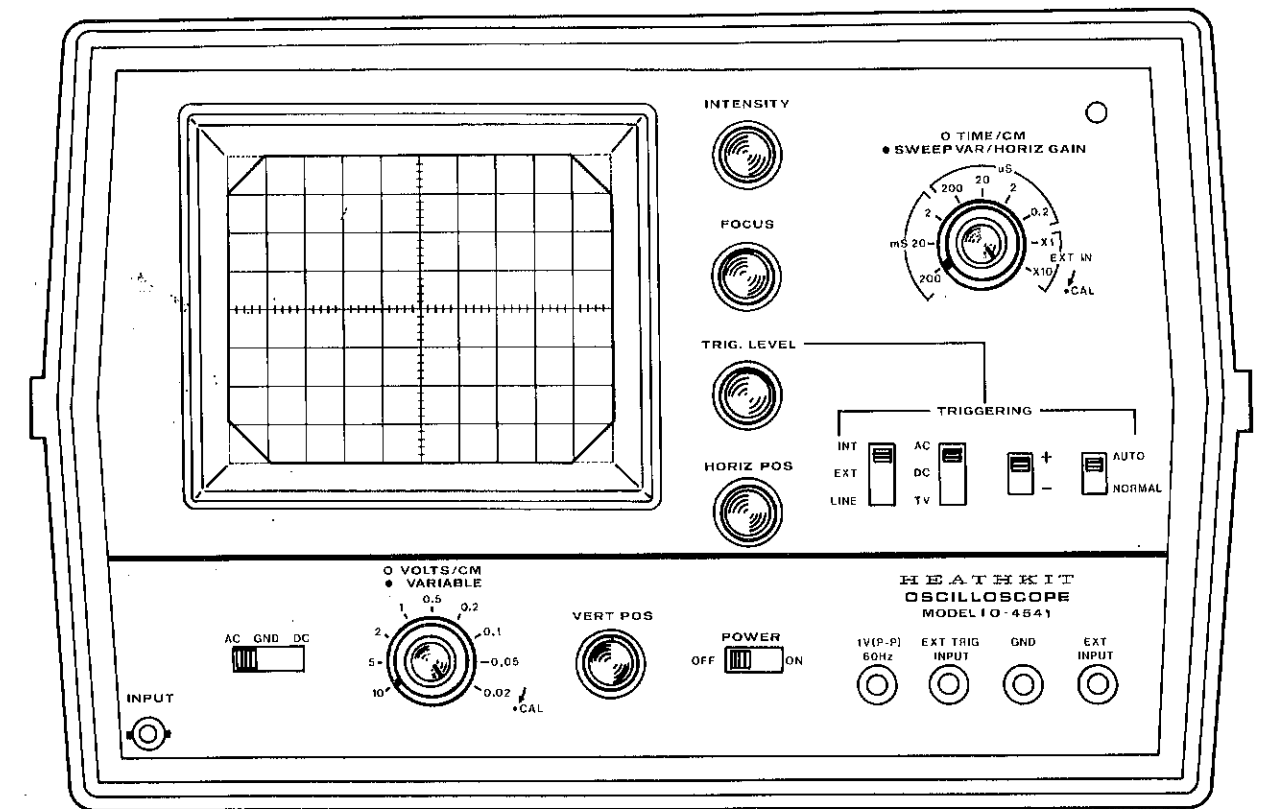
PICTORIAL 8-5







PICTORIAL 10-7



PICTORIAL 10-8

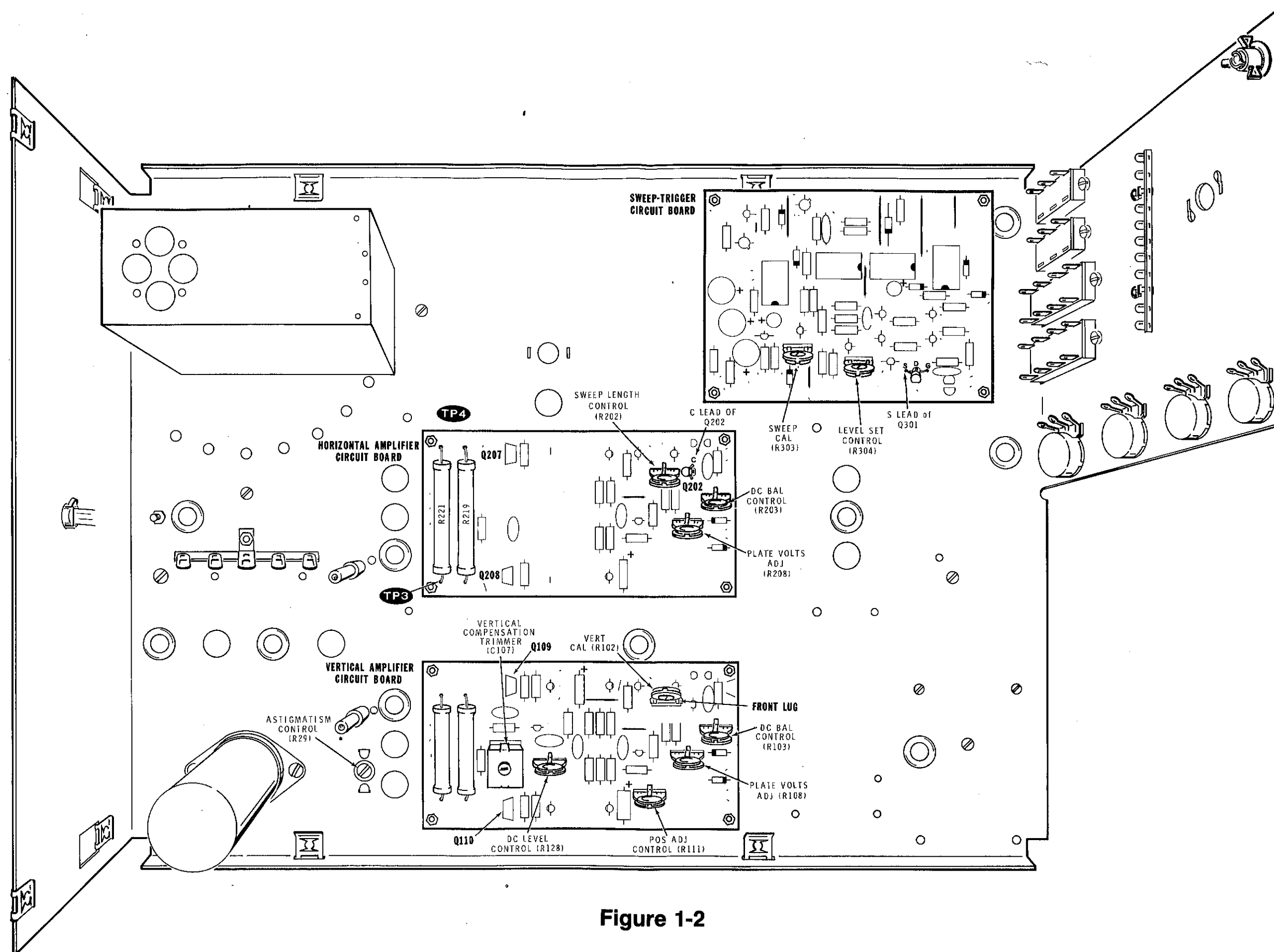


Figure 1-2



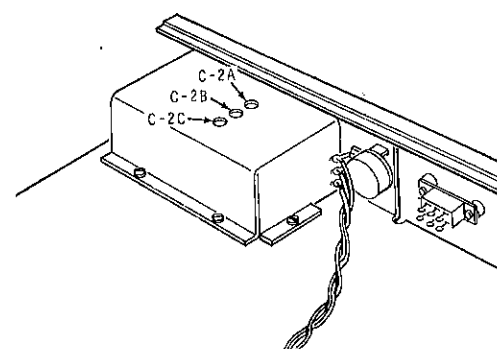


Figure 1-3

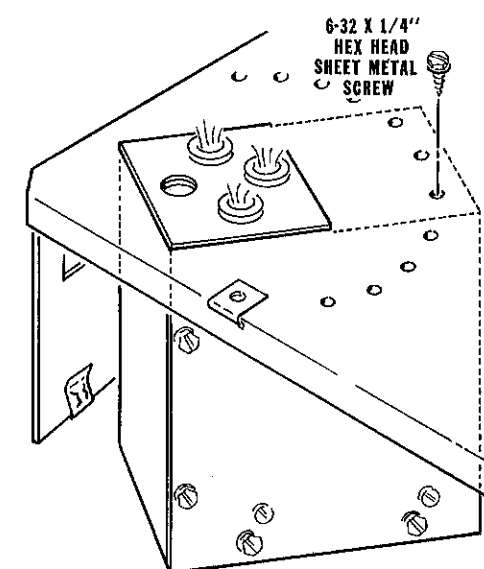


Figure 1-4

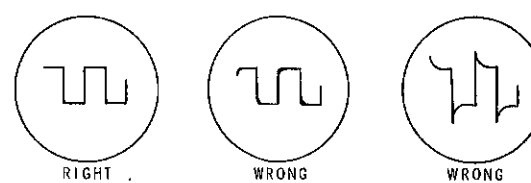
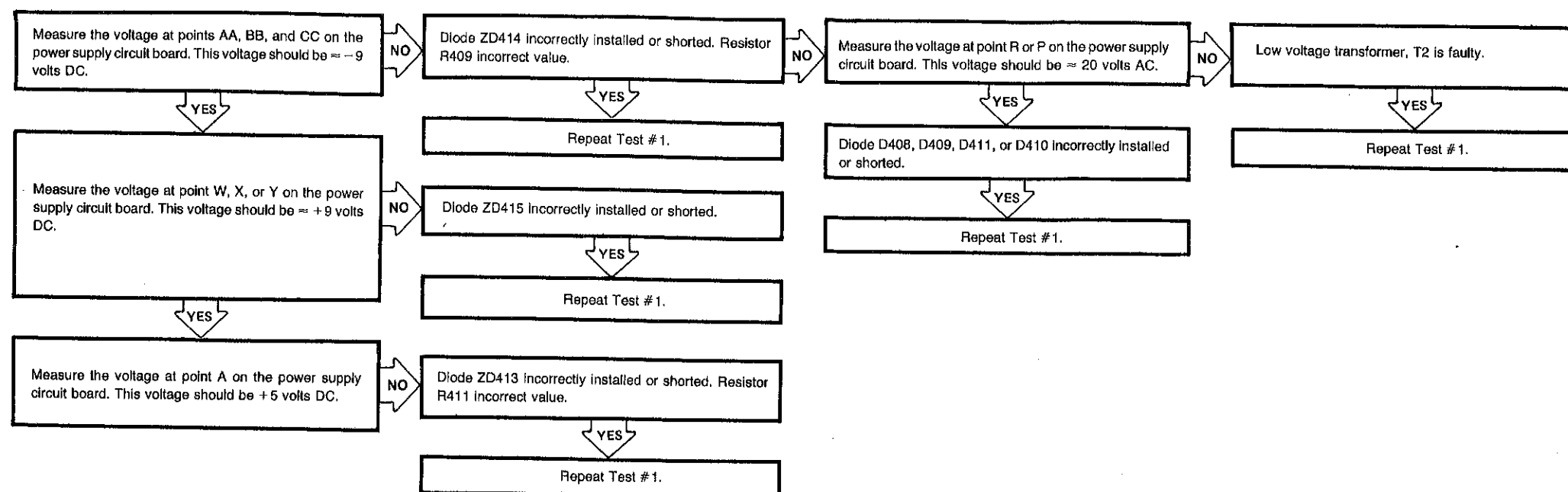
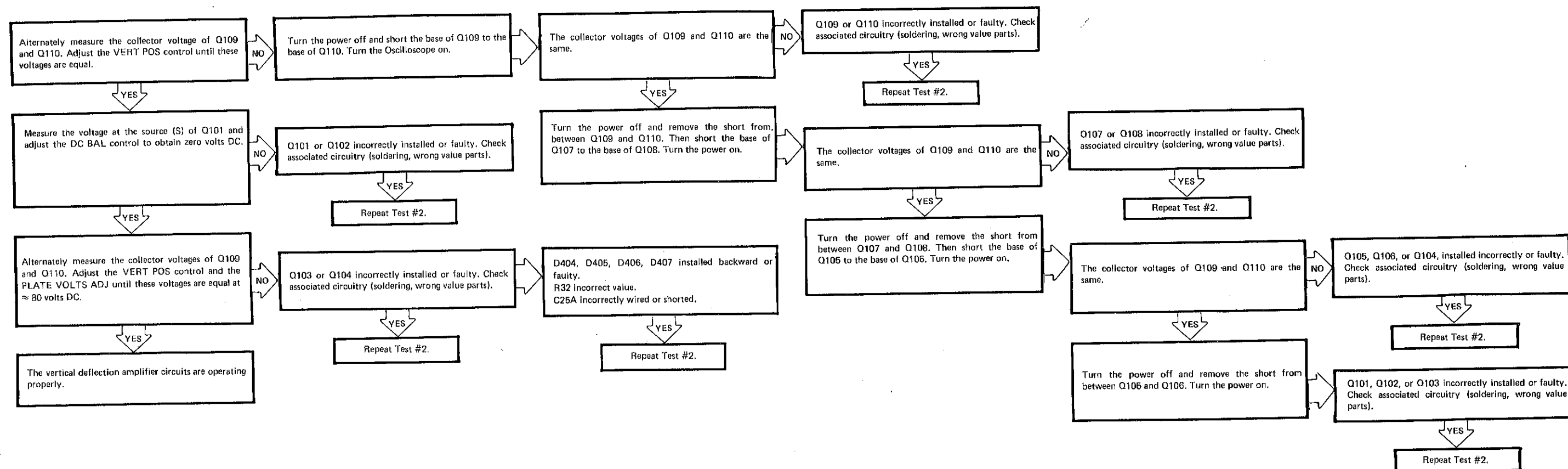


Figure 1-5

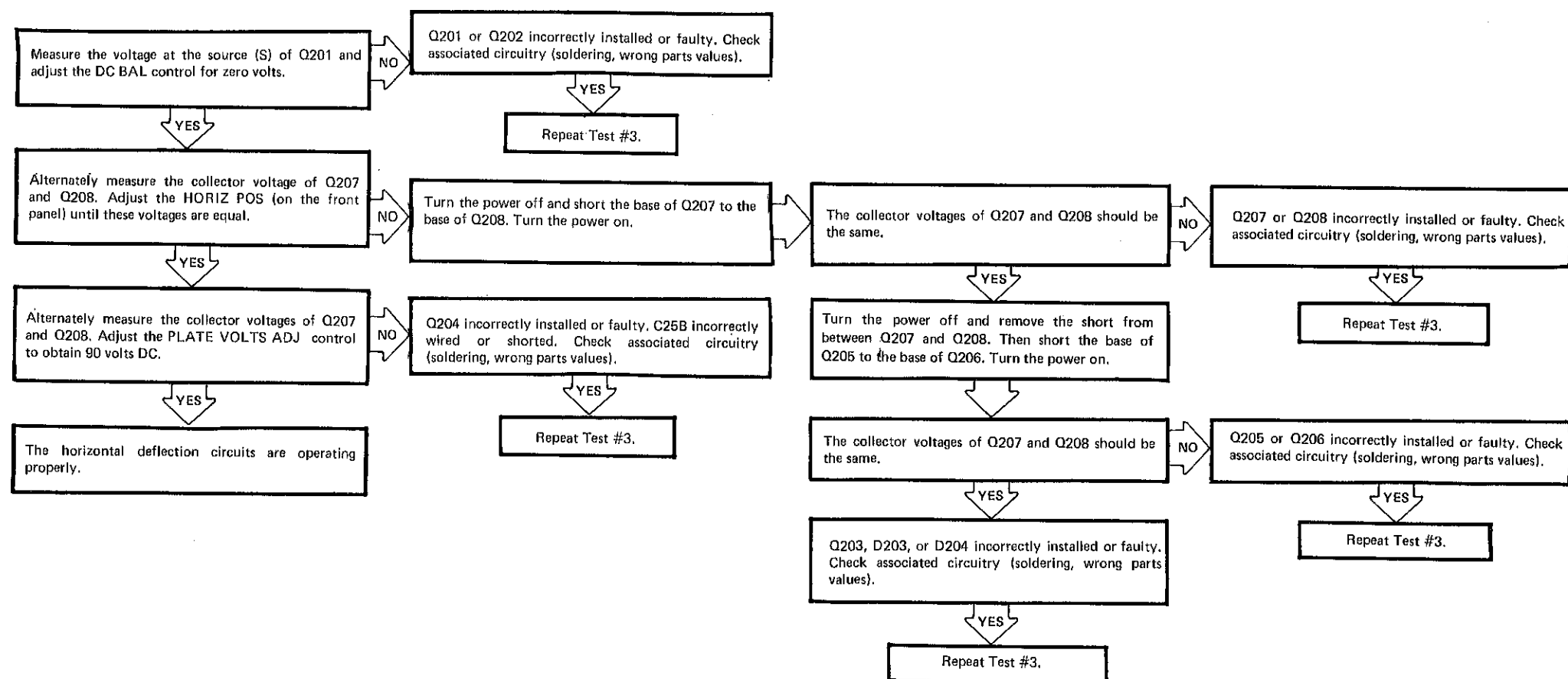
**TEST #1**  
**+9, +5 VOLT POWER SUPPLY**



## TEST #2 VERTICAL DEFLECTOR AMPLIFIER

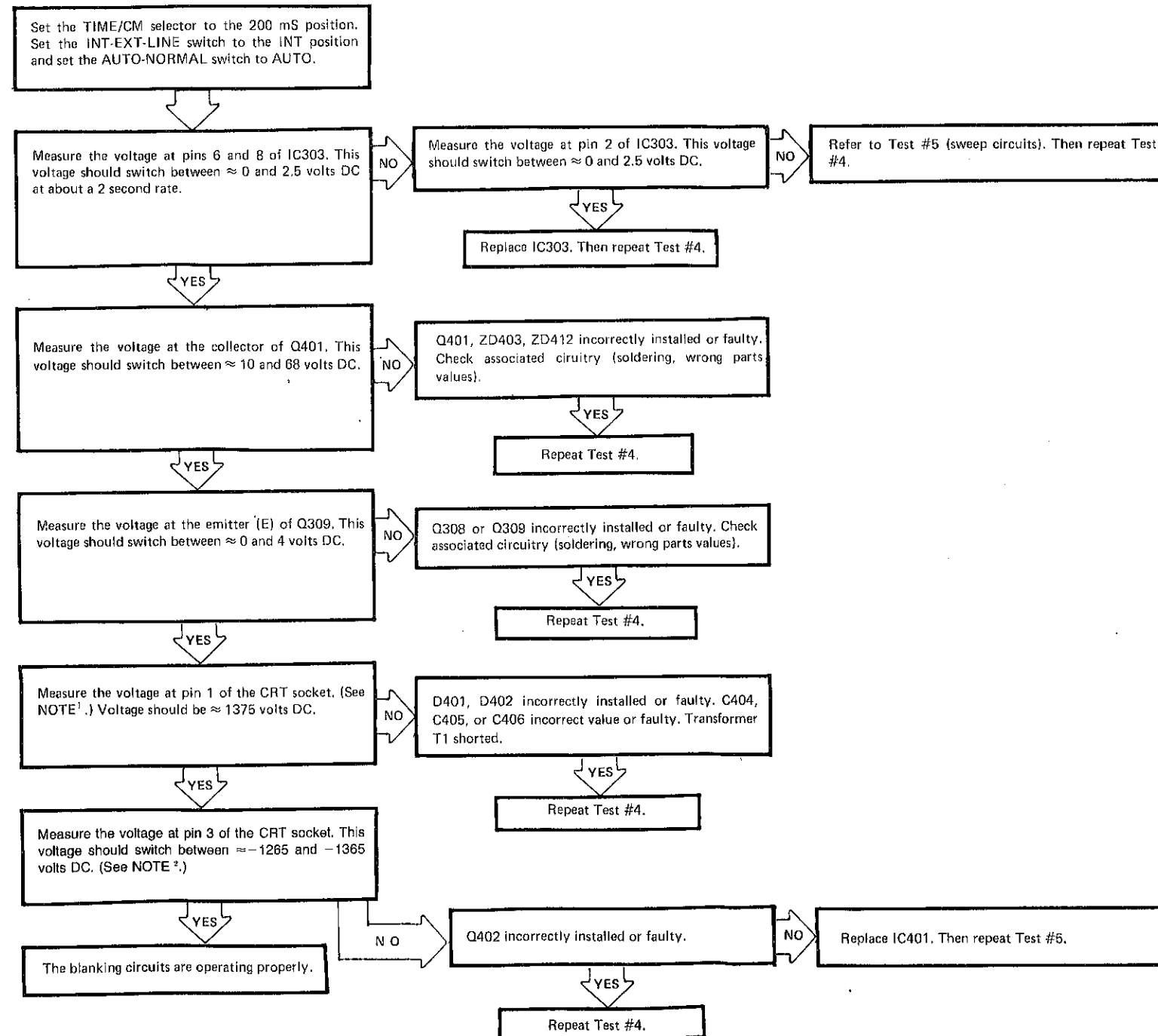


### TEST #3 HORIZONTAL DEFLECTION AMPLIFIER



CAUTION: You will be making voltage measurements in the high voltage area of the Oscilloscope. Be very careful not to contact this high voltage. See Page 151.

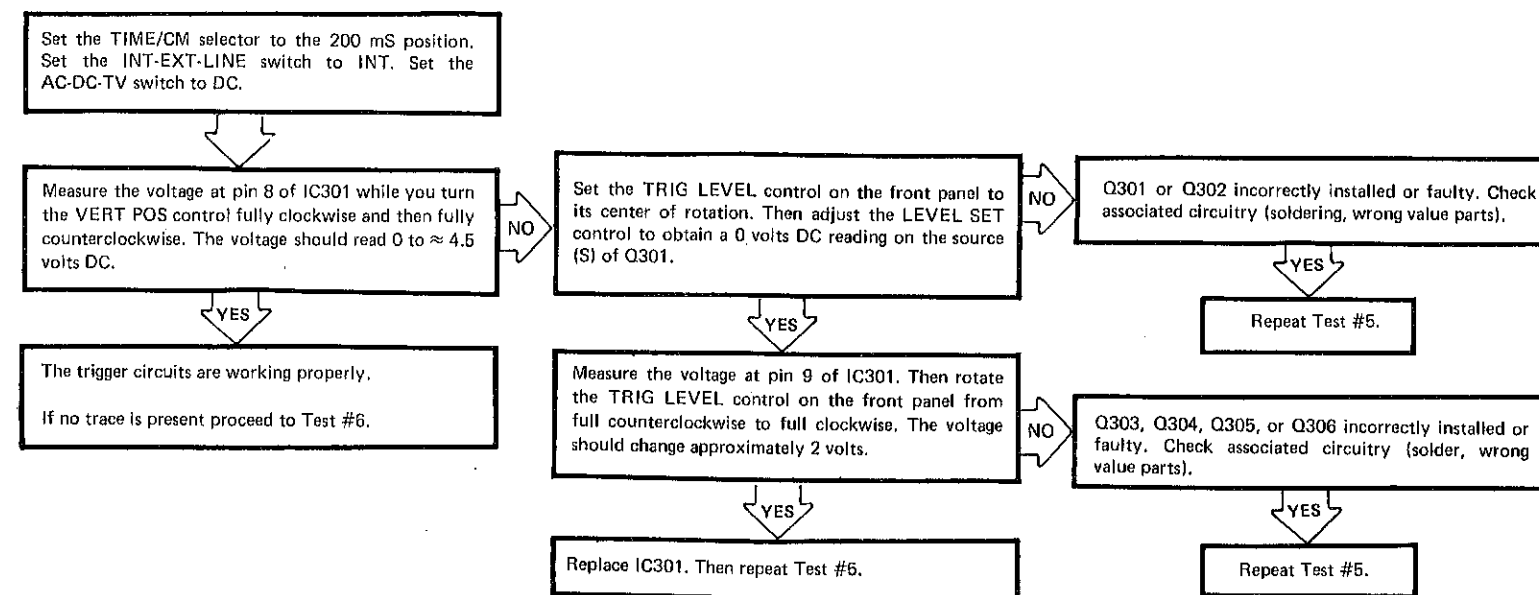
## TEST #4 BLANKING CIRCUIT



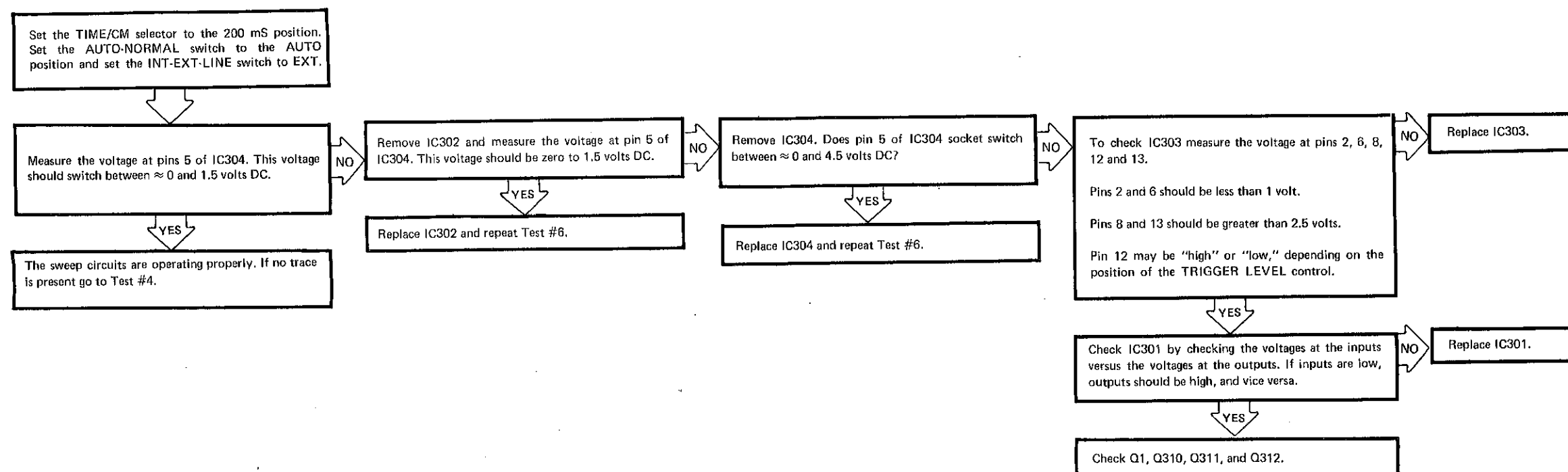
NOTE<sup>1</sup>: Hi voltage is dependent on the line voltage.  
This will be ≈ 1375 when the line voltage is 120  
volts AC.

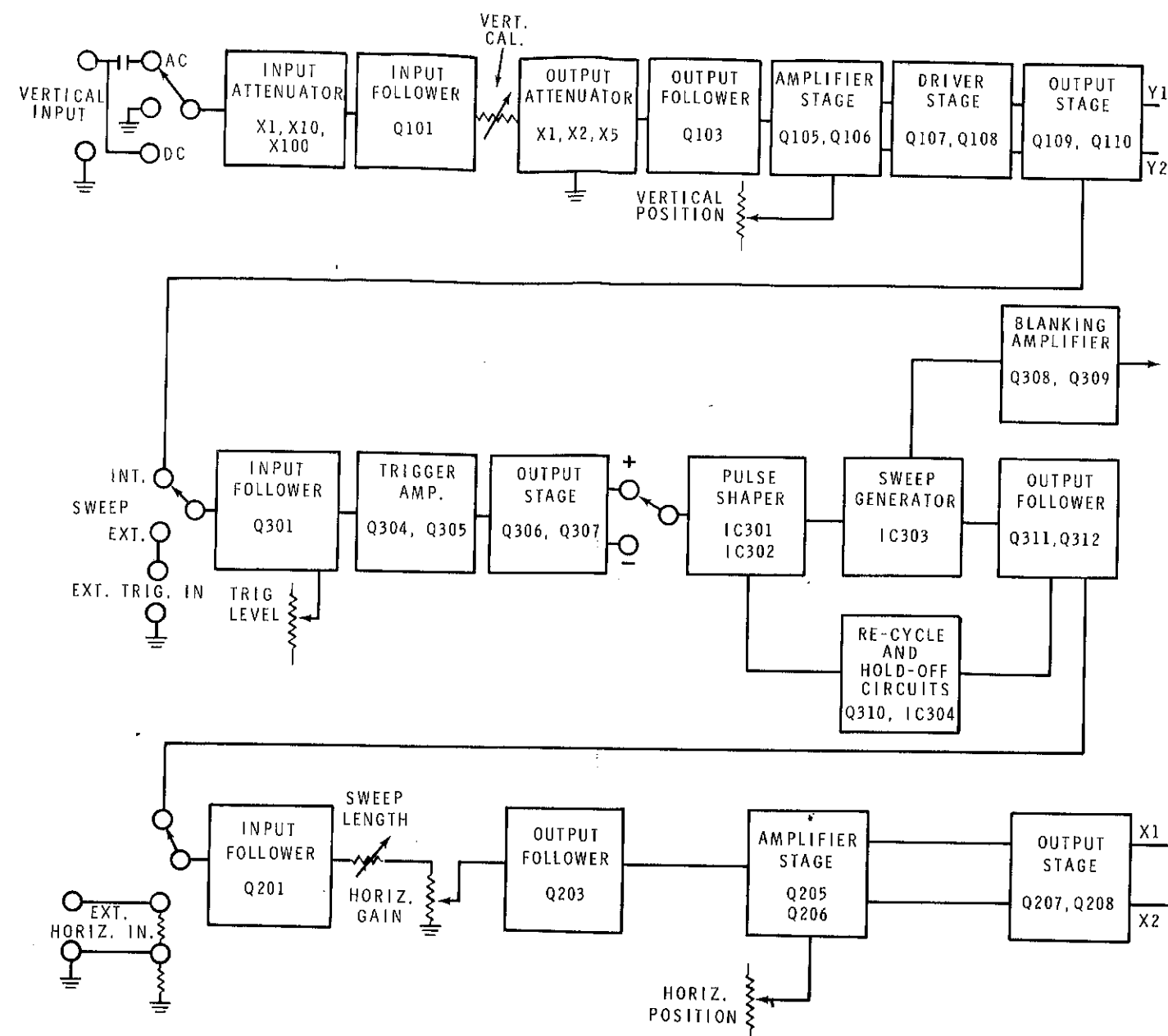
NOTE<sup>2</sup>: There will be about a 100 volt change at pin  
3 with respect to the power supply voltage and a 70  
volt change at pin 2.

## TEST#5 TRIGGER CIRCUITS



### TEST #6 SWEEP CIRCUITS





**BLOCK DIAGRAM**



