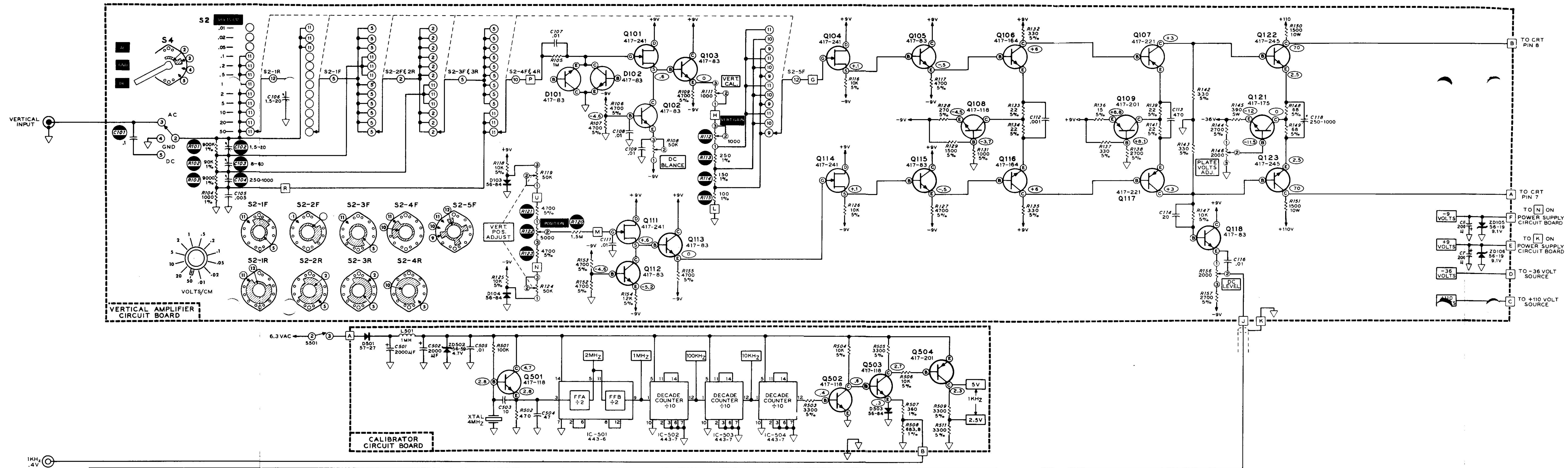
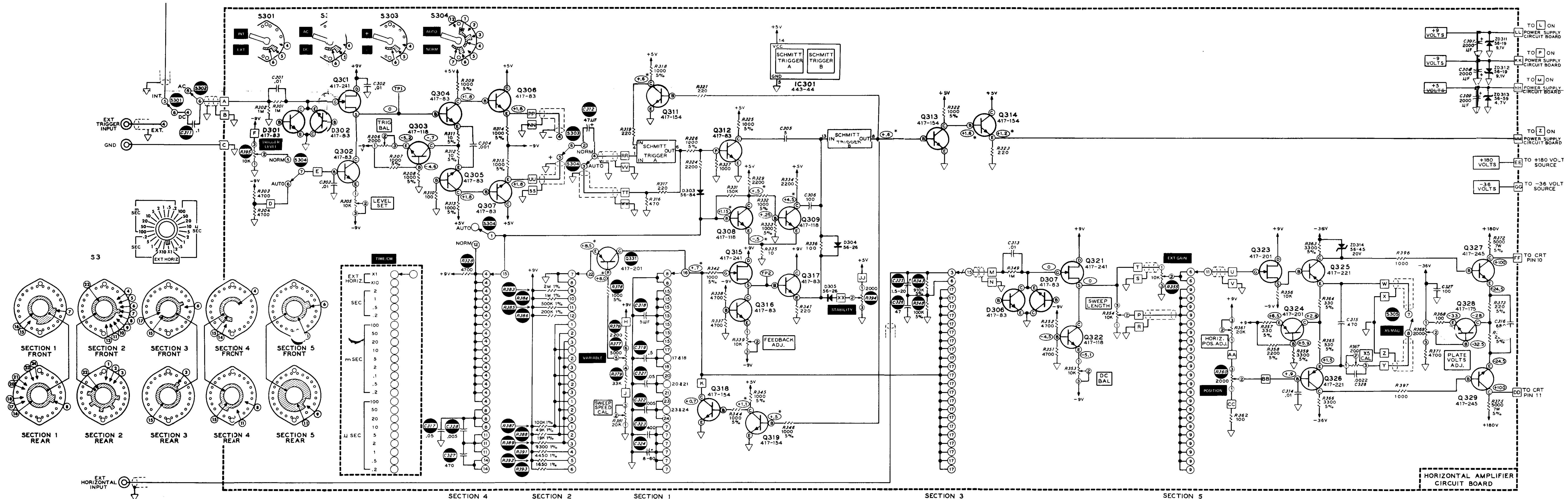
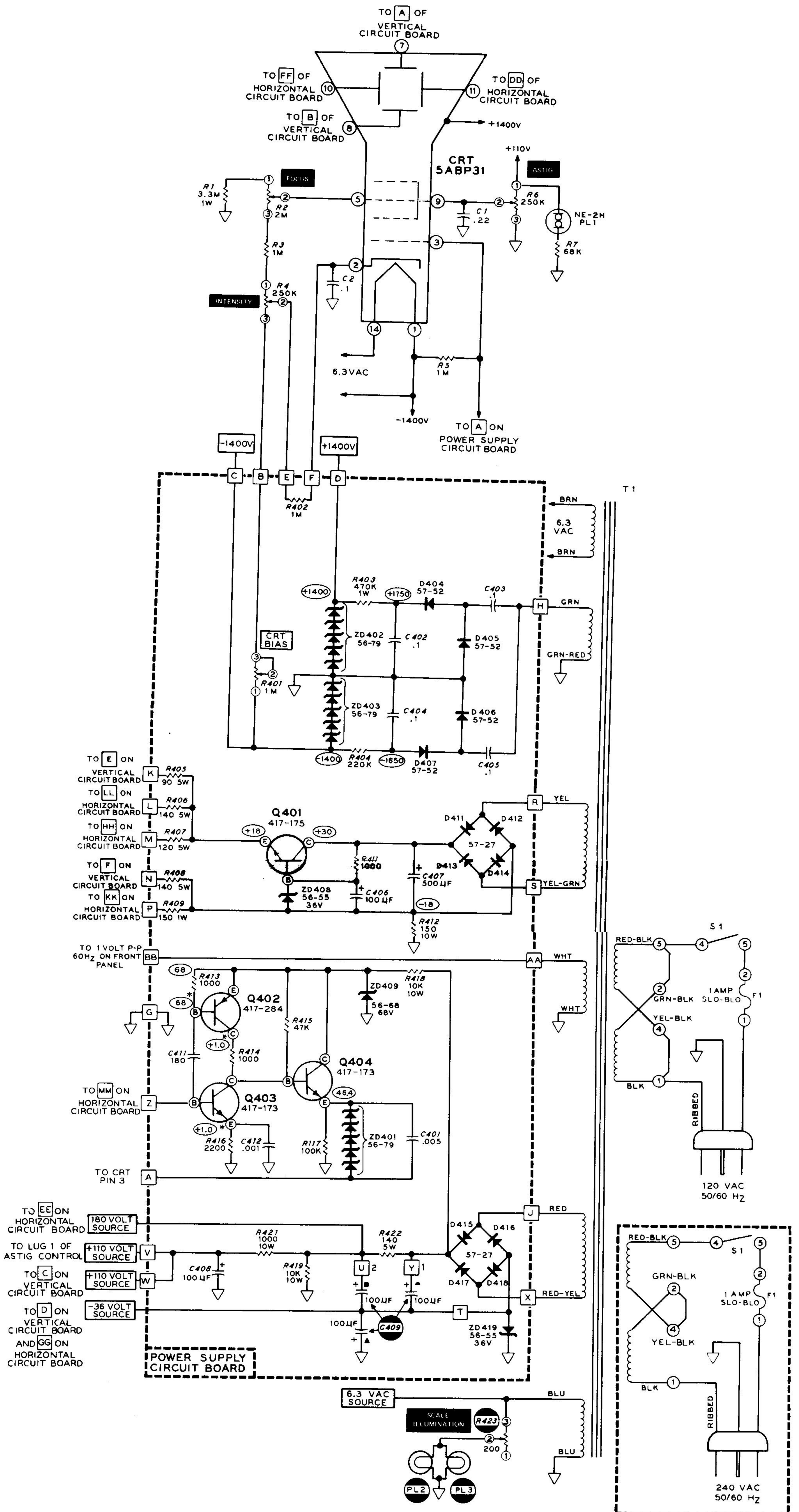






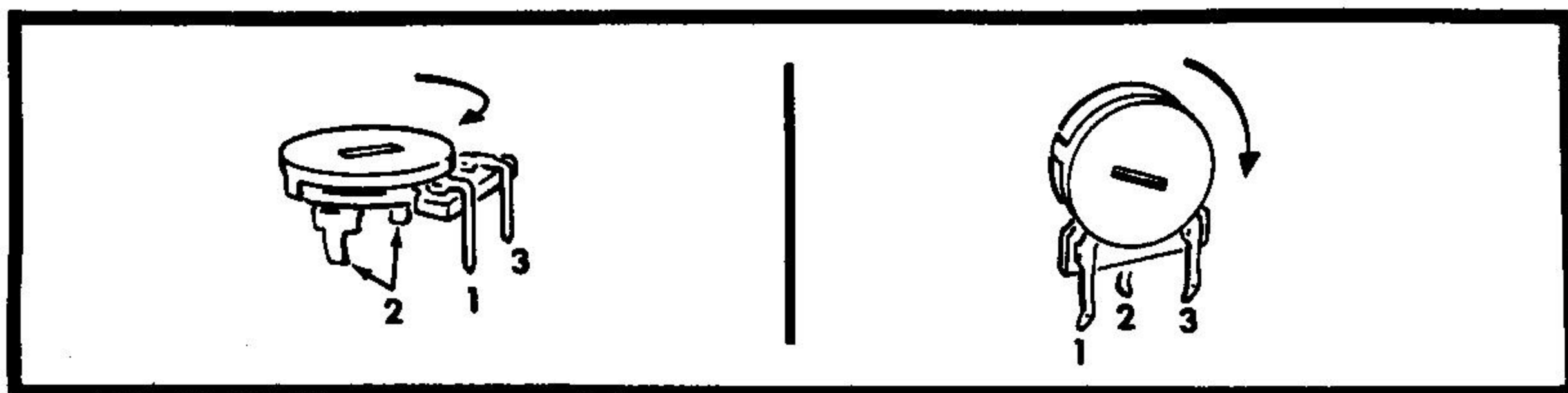


SCHEMATIC OF THE HEATHKIT®

15 MHz TRIGGERED-SWEEP OSCILLOSCOPE MODEL 10-104

NOTES:

1. REFER TO THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.
2. ALL RESISTORS ARE 1/2 WATT 10% UNLESS OTHERWISE SPECIFIED.
3. ALL CAPACITOR VALUES LARGER THAN 1.0 ARE IN pF UNLESS OTHERWISE SPECIFIED. CAPACITOR VALUES LESS THAN 1.0 ARE IN μ F.
4. THE ARROW INDICATES CLOCKWISE ROTATION OF A CONTROL OR SWITCH, AS VIEWED FROM THE KNOB END OR AS SHOWN FOR CIRCUIT BOARD CONTROLS. THE FOLLOWING CIRCUIT BOARD CONTROL LUG NUMBERS CORRESPOND TO THOSE SHOWN ON THE SCHEMATIC AND X-RAY VIEWS.



5. ALL VOLTAGES MEASURED WITH AN 11 MEGOHM INPUT VTVM FROM THE POINT INDICATED TO GROUND.
6.  INDICATES A DC VOLTAGE MEASURED FROM THE POINT INDICATED TO GROUND WITH THE TIME/CM SWITCH AT THE EXT HORIZ X 1 POSITION, THE CALIBRATOR SWITCH ON (PRESSED IN), AND BOTH THE VERTICAL AND THE HORIZONTAL AMPLIFIERS BALANCED (DOT CENTERED).
7. * INDICATES A SWEEP CIRCUIT VOLTAGE TAKEN WITH THE TIME/CM SWITCH IN THE 1 mSEC POSITION AND THE STABILITY CONTROL AT THE CENTER OF ITS ROTATION.
8.  INDICATES A LETTERED WIRE CONNECTION TO A CIRCUIT BOARD.
9.  INDICATES CIRCUIT GROUND.
10.  INDICATES A POWER SUPPLY CONNECTION.
11.  INDICATES A PART MOUNTED ON THE CHASSIS ALTHOUGH ITS LOCATION IN THE SCHEMATIC SUGGESTS ANOTHER LOCATION.
12. COMPONENTS ARE NUMBERED IN THE FOLLOWING GROUPS:

0-99	PARTS IN THE CRT CIRCUIT.
100-199	PARTS IN THE VERTICAL AMPLIFIER CIRCUIT.
300-399	PARTS IN THE HORIZONTAL AMPLIFIER CIRCUIT.
400-499	PARTS IN THE POWER SUPPLY CIRCUIT.
500-599	PARTS IN THE CALIBRATOR CIRCUIT.