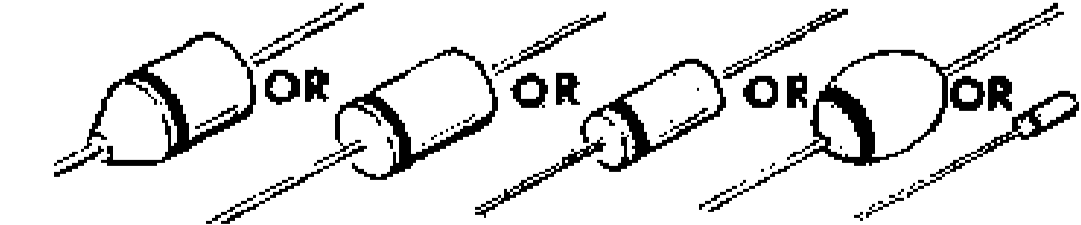
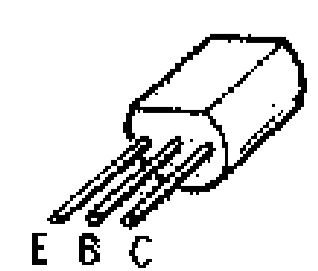


**SCHEMATIC OF THE HEATHKIT®  
LINEAR AMPLIFIER  
MODEL SB-230**

**DIODE AND TRANSISTOR IDENTIFICATION CHART**

COMPONENT	HEATH PART NO.	MAY BE REPLACED WITH	IDENTIFICATION
D1 THROUGH D17 D18 D19 ZD1	57-27 56-26 56-24 56-609	1N2071 1N191 1N458 1N2806A (8.2V, 1.5A)	NOTE: DIODES MAY BE SUPPLIED IN ANY OF THE FOLLOWING FIVE SHAPES. HEATH PART NUMBERS ARE STAMPED ON MOST DIODES. 
Q1, Q2	417-294	MPSA42	

**NOTES:**

- ALL RESISTOR VALUES ARE IN OHMS (K=1,000; M=1,000,000).
- ALL CAPACITOR VALUES ARE IN MICROFARADS UNLESS OTHERWISE MARKED (pF=PICOFARADS).
- RELAY CONTACTS ARE IN THE INACTIVATED POSITION (RECEIVE OR EXCITER ONLY).
- SWITCH CONTACTS ARE SHOWN REAR VIEW. THE SWITCH POSITION IS SHOWN IN THE KNOB VIEW. AN ARROW SHOWS SWITCH MOVEMENT WITH CLOCKWISE ROTATION OF THE KNOB.
- REFER TO THE CHASSIS PHOTOGRAPHS AND X-RAY VIEWS FOR THE ACTUAL LOCATION OF PARTS.

- |    |                |      |                  |
|----|----------------|------|------------------|
| K  | = 1,000        | pF   | = PICOFARADS     |
| KV | = KILOVOLTS    | PL   | = PILOT LAMP     |
| M  | = 1,000,000    | T.S. | = THERMAL SWITCH |
| MH | = MILLIHENRIES | μH   | = MICROHENRIES   |
- R21 IS COMPOSED OF FIFTEEN 150Ω, 2-WATT RESISTORS CONNECTED IN PARALLEL TO FORM A 300Ω, 30 WATT RESISTANCE.
- |    |                                    |
|----|------------------------------------|
| ○  | = DC VOLTS AT 500mA PLATE CURRENT. |
| □  | = DC VOLTS AT 25mA PLATE CURRENT.  |
| □  | = CIRCUIT BOARD HOLE OR PIN.       |
| FB | = FERRITE BEAD                     |
- GRID VOLTS = -110V WITH METER SWITCH AT "EXCITER ONLY".