



**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 1N280GA (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 1500Ω, 2-WATT RESISTORS CONNECTED IN PARALLEL TO FORM A 100Ω, 30 WATT RESISTANCE.
- = DC VOLTS AT 500mA PLATE CURRENT.
 = DC VOLTS AT 25mA PLATE CURRENT.
 = CIRCUIT BOARD HOLE OR PIN.
 = FERRITE BEAD
- GRID VOLTS = -110V WITH METER SWITCH AT "EXCITER ONLY".