



**SCHEMATIC OF THE  
HEATHKIT®  
SSB TRANSCEIVER  
MODEL SB-102**

NOTE: LETTER-NUMBER DESIGNATIONS FOR RESISTORS, CAPACITORS, ETC., HAVE BEEN PLACED IN THE FOLLOWING GROUPS:

0-99	PARTS ON MODULATOR CIRCUIT BOARD.
100-199	" IF
200-299	" BANDPASS
300-399	" AUDIO
400-499	" RF - DRIVER
500-599	" CRYSTAL
600-699	" HETERODYNE
700-799	" DRIVER GRID
800-899	" DRIVER PLATE
900-999	" PARTS MOUNTED ON THE CHASSIS.

- ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. ALL RESISTOR VALUES ARE IN OHMS (K = 1,000, MEG = 1,000,000).
- ALL CAPACITOR VALUES OVER 1 ARE IN µF UNLESS MARKED OTHERWISE.
- REFER TO THE X-RAY AND CHASSIS VIEWS FOR PHYSICAL LOCATION OF PARTS.

- SEE THE VOLTAGE CHARTS (FOLD-OUT FROM PAGE 122) AND THE RESISTANCE CHART (FOLD-OUT FROM PAGE 123) FOR ALL MEASUREMENTS.
- ALL SWITCHES ARE IN THE POSITION INDICATED BY THE KNOB POINTERS.
- ARROW (↻) INDICATES CLOCKWISE ROTATION OF KNOB (VIEWED FROM KNOB END).
- INDICATES HOOKUP WIRE NOT IN THE HARNESS.
- ( ) INDICATES COLOR CODE OF COAXIAL CABLE.
- ALL RELAY CONTACTS SHOWN IN TRANSMIT (TUNE) POSITION.
- FOR GREATER CLARITY, RELAY SECTIONS ARE SHOWN CLOSEST TO THE CIRCUITS IN WHICH THEY ARE USED. ONE OF THE FOLLOWING MARKS IS USED TO IDENTIFY THE SEPARATED SECTION OF THE RELAYS:
  - ▲ = PART OF RELAY RL1
  - = PART OF RELAY RL2

- SWITCH WAFERS ARE IDENTIFIED AS IN THE FOLLOWING EXAMPLE:
 

BAND	2	F
↑	↑	↑
FRONT PANEL NAME OF SWITCH.	WAFER NUMBER, WITH THE SWITCH VIEWED FROM THE FRONT PANEL.	F = FRONT SIDE OF THE WAFER. R = REAR SIDE OF THE WAFER.
- INDICATES CHASSIS GROUND.
- INDICATES CIRCUIT BOARD GROUND.

