



SCHEMATIC OF THE  
HEATHKIT®  
5SB TRANSCEIVER  
MODEL 58-101

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  | OSCILLATOR                        |
| 800-899  | DRIVER GRID                       |
| 900-999  | DRIVER PLATE                      |
| 1000-999 | PARTS MOUNTED ON THE CHASSIS.     |

- ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. ALL RESISTOR VALUES ARE IN OHMS, K = 1000, MEG = 1,000,000.
- ALL CAPACITOR VALUES OVER 1 ARE IN  $\mu$  UNLESS MARKED OTHERWISE.
- REFER TO THE X-RAY AND CHASSIS VIEWS FOR PHYSICAL LOCATION OF PARTS.
- SEE THE VOLTAGE CHARTS (FOLD-OUT FROM PAGE 112) AND THE RESISTANCE CHART (FOLD-OUT FROM PAGE 113) FOR ALL MEASUREMENTS.
- ALL SWITCHES ARE IN THE POSITION INDICATED BY THE KNOB POINTERS.
- ARROW  $\curvearrowright$  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 RECEIVE POSITION.
- DIODE SYMBOLS ARE AS FOLLOWS:  $\rightarrow$  FOR GERMANIUM DIODES,  $\rightarrow$  FOR SILICON DIODES.
- 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 RELAY:  
 = PART OF RELAY RL1  
 = PART OF RELAY RL2
- SWITCH WAFERS ARE IDENTIFIED AS IN THE FOLLOWING EXAMPLE:  

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.

