



**SCHEMATIC OF THE  
HEATHKIT®  
SSB TRANSMITTER  
MODEL SB-401**

- NOTES:
- RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:
    - 0-99 PARTS MOUNTED ON THE CHASSIS
    - 100-199 PARTS ON THE CARRIER GENERATOR CIRCUIT BOARD
    - 200-299 PARTS ON THE MIXER BANDPASS CIRCUIT BOARD
    - 300-399 PARTS MOUNTED ON TERMINAL BOARD #1
    - 400-499 PARTS MOUNTED ON TERMINAL BOARD #2
  - ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS 1 K = 1,000, M = 1,000,000.
  - ALL CAPACITOR VALUES ARE IN  $\mu$ F UNLESS MARKED OTHERWISE.
  - ALL SWITCH WAFERS SHOWN IN FULL COUNTERCLOCKWISE POSITION, AS VIEWED FROM THE KNOB END OF THE SHAFT.
  - THE DOT LOCATED IN THE CENTER OF SOME SWITCHES INDICATES A TIE PIN WHICH CONNECTS A CONTACT ON ONE SIDE OF THE ROTOR TO CONTACTS ON THE OTHER SIDE OF THE SAME ROTOR.
  - SWITCH WAFERS ARE IDENTIFIED AS IN THE FOLLOWING EXAMPLE:
 

B (BAND)	2	F
FRONT PANEL NAME OF SWITCH VIEWED FROM THE FRONT PANEL.	WAFFER NUMBER WITH THE SWITCH VIEWED FROM THE FRONT PANEL.	F = FRONT SIDE OF THE WAFFER, R = REAR SIDE OF THE WAFFER.
  - REFER TO THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.
  - RELAY IS SHOWN IN STANDBY POSITION.
  - VOLTAGES AND RESISTANCE MEASUREMENTS LISTED ON CHARTS BEGINNING ON PAGE 145 OF MANUAL.