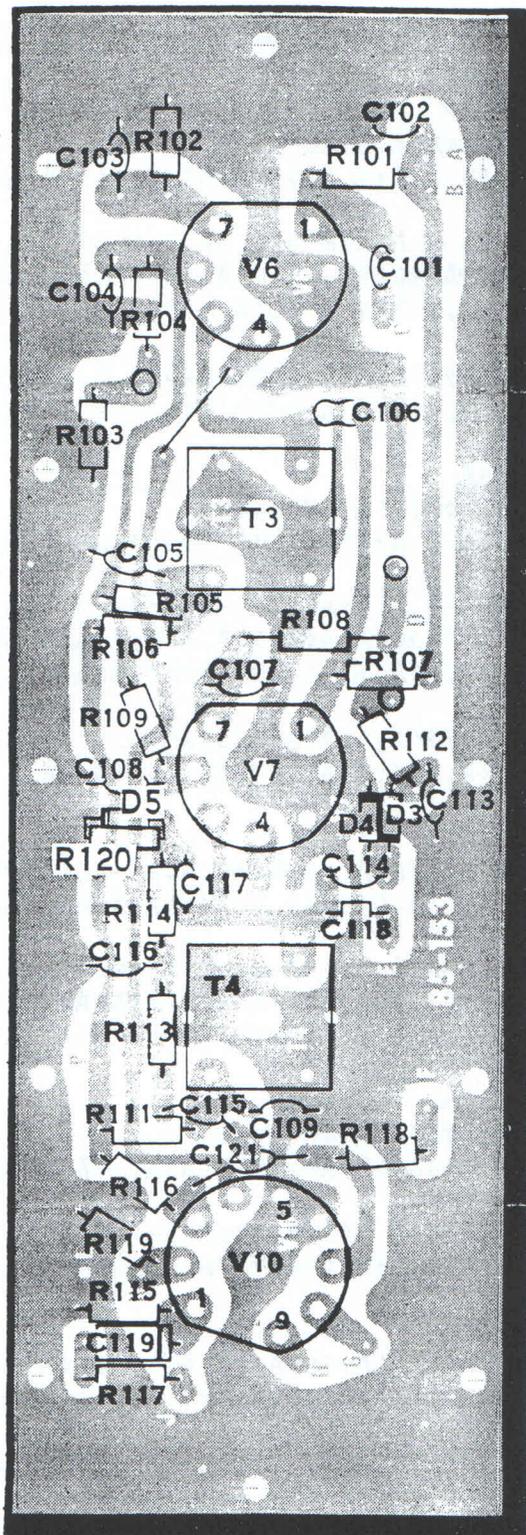


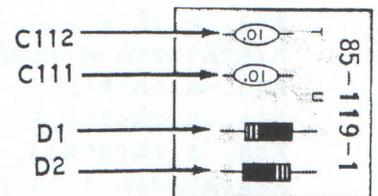
**SCHEMATIC OF THE
HEATHKIT®
SWL RECEIVER
MODEL SB-310**

1. RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:
0-99 PARTS MOUNTED ON THE IF CIRCUIT BOARD
100-199 PARTS MOUNTED ON THE IF CIRCUIT BOARD
200-299 PARTS MOUNTED ON THE CHASSIS
2. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K=1000, MEG=1,000,000).
3. CAPACITOR VALUES LESS THAN 1 ARE IN UF. VALUES OF 1 AND ABOVE ARE IN PF UNLESS THEY ARE MARKED OTHERWISE.
4. THIS SYMBOL INDICATES A DC VOLTAGE MEASUREMENT. VAREN WITH AN II MEGOHM VTVM FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY 20%.
5. ALL VOLTAGES ARE DC POSITIVE UNLESS MARKED OTHERWISE. VOLTAGES ARE MEASURED WITH ALL SWITCHES, EXCEPT FUNCTION SWITCH, IN POSITION SHOWN. FUNCTION SWITCH IS IN OPR POSITION UNLESS OTHERWISE SPECIFIED.
6. REFER TO THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.
7. () INDICATES COLOR CODE OF COAXIAL CABLE.
8. DIODE SYMBOLS ARE AS FOLLOWS: FOR GERMANIUM DIODES. FOR SILICON DIODES.
9. SWITCH WAFERS ARE IDENTIFIED AS IN THE FOLLOWING EXAMPLE:

FRONT PANEL NAME OF SWITCH	WAFER NUMBER	F=FRONT SIDE OF THE WAFER
B3=HAND SWITCH	2 F	R=REAR SIDE OF THE WAFER
M3=MODE SWITCH		
10. ARROW () INDICATES CLOCKWISE ROTATION OF KNOB (VIEWED FROM KNOB END).
11. NC MEANS NO CONNECTION.
12. # INDICATES ACCESSORY.
13. # INDICATES A TIE-PIN PROVIDING A DIRECT CONNECTION BETWEEN THE FRONT AND REAR OF THE WAFER.
14. THE VOLTAGE AT TEST POINT A AND PIN 8 OF V6 IS PRE-SET TO -2.7 VOLTS. AFTER FINAL ALIGNMENT THIS VOLTAGE CAN BE -1.5 TO -4.5 VOLTS.



IF CIRCUIT BOARD



NOISE LIMITER CIRCUIT BOARD

Figure 7-2