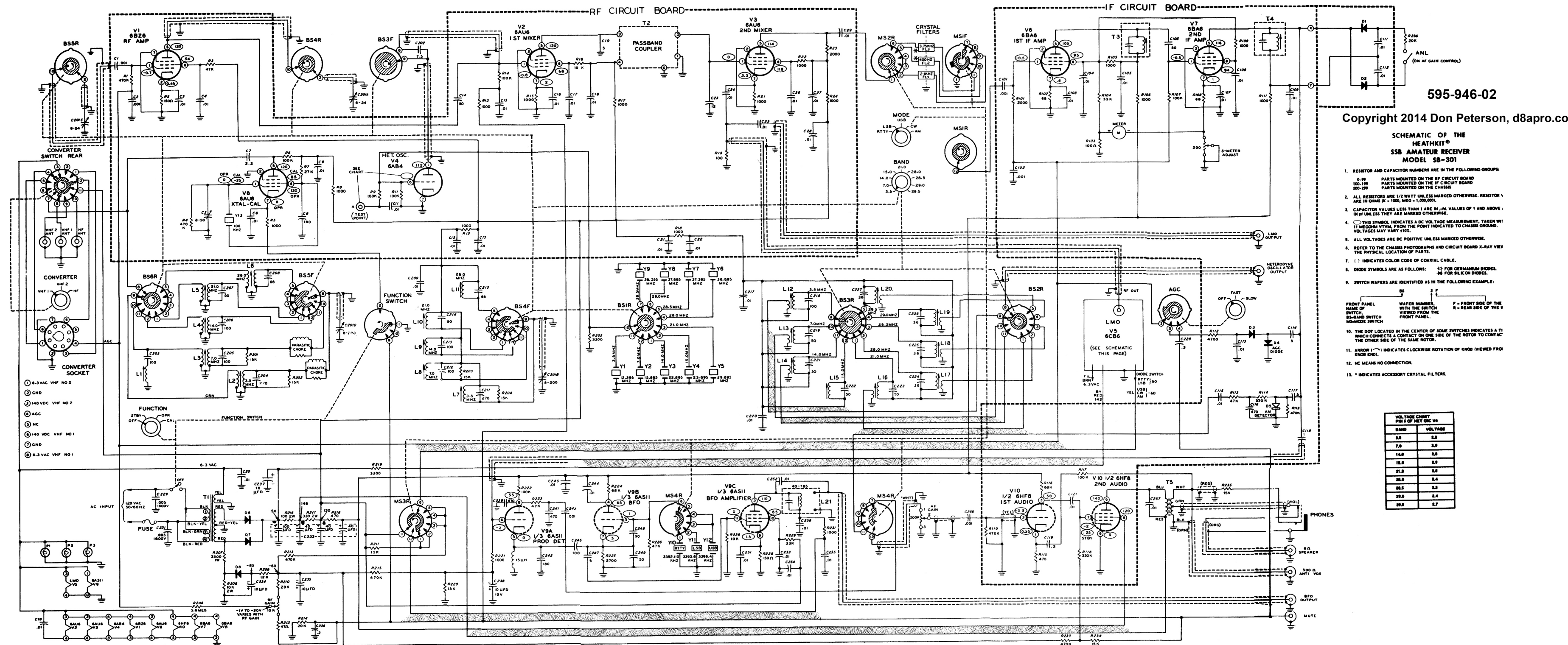




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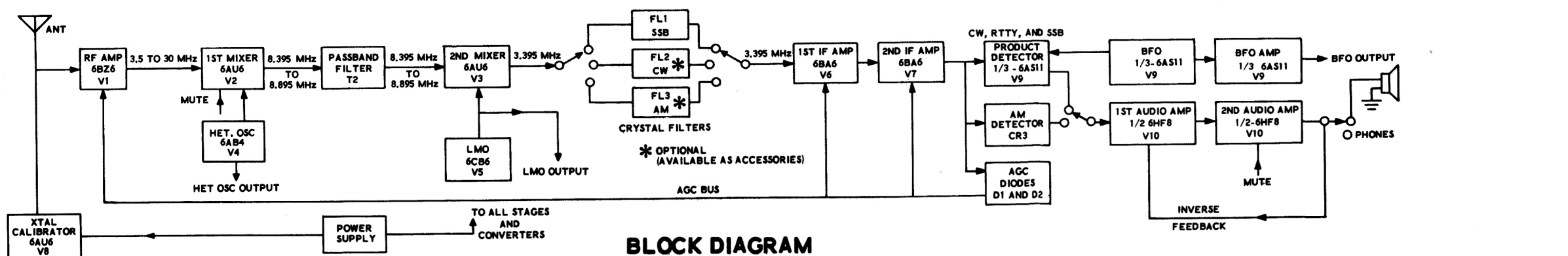
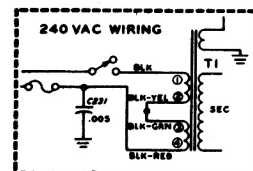
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SCHEMATIC OF THE HEATHKIT® SSB AMATEUR RECEIVER MODEL SB-301

1. RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:
0-99 PARTS MOUNTED ON THE RF 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 UNLESS OTHERWISE SPECIFIED. VALUES OF 1 AND ABOVE ARE IN μ UNLESS THEY ARE MARKED OTHERWISE.
3. CAPACITOR VALUES LESS THAN 1 ARE IN μ F. VALUES OF 1 AND ABOVE ARE IN μ F UNLESS THEY ARE MARKED OTHERWISE.
4. THIS SYMBOL INDICATES A DC VOLTAGE MEASUREMENT, TAKEN WITH 11 MEGOHM VTVM, FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY 10%.
5. ALL VOLTAGES ARE DC POSITIVE UNLESS MARKED OTHERWISE.
6. REFER TO THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEW 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, WITH THE SWITCH VIEWED FROM THE FRONT PANEL.
SSB-BAND SWITCH HAS-MADE SWITCH
10. THE DOT LOCATED IN THE CENTER OF SOME SWITCHES INDICATES A T1 WHICH CONNECTS A CONTACT ON ONE SIDE OF THE ROTOR TO CONTACT ON THE OTHER SIDE OF THE SAME ROTOR.
11. ARROW (↻) INDICATES CLOCKWISE ROTATION OF KNOB (VIEWED FROM KNOB END).
12. NC MEANS NO CONNECTION.
13. * INDICATES ACCESSORY CRYSTAL FILTERS.

BAND	VOLTAGE
1.5	2.0
2.0	2.0
2.5	2.0
3.0	2.0
3.5	2.0
4.0	2.0
4.5	2.0
5.0	2.0
5.5	2.0
6.0	2.0
6.5	2.0
7.0	2.0
7.5	2.0
8.0	2.0
8.5	2.0
9.0	2.0
9.5	2.0
10.0	2.0

POWER TRANSFORMER MODIFICATION



BLOCK DIAGRAM