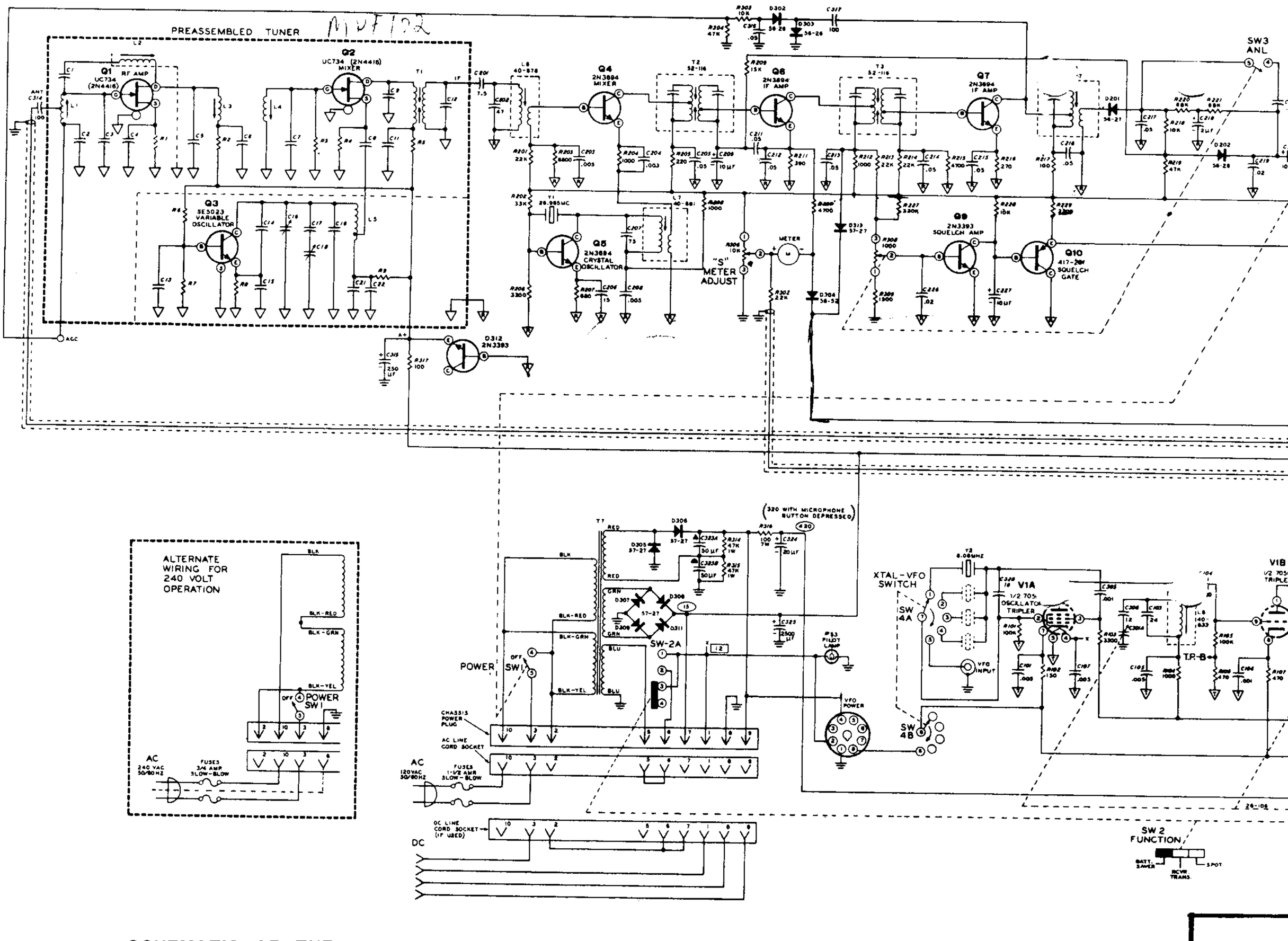



# SCHEMATIC OF THE HEATHKIT® TWO METER AM TRANSCEIVER MODEL HW-17

1. RESISTOR, CAPACITOR, AND DIODE NUMBERS ARE IN THE FOLLOWING GROUPS:

| | |
|---|---|
| 0- 99 | PARTS MOUNTED IN THE TUNER |
| 100-199 | PARTS MOUNTED ON THE TRANSMITTER CIRCUIT BOARD |
| 200-299 | PARTS MOUNTED ON THE RECEIVER CIRCUIT BOARD |
| 300-399 | PARTS MOUNTED ELSEWHERE |

2. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K=1,000; M=1,000,000).

3. CAPACITOR VALUES LESS THAN 1 ARE IN µF. VALUES OF 1 AND ABOVE ARE pF UNLESS THEY ARE MARKED OTHERWISE.

4. ARROW (⟶) INDICATES CLOCKWISE ROTATION OF SWITCH SHAFT (VIEWED FROM KNOB END).

5. SWITCHES ARE SHOWN IN THE FOLLOWING POSITIONS:
   POWER SWITCH IN OFF.
   FUNCTION SWITCH IN BATT. SAVER.
   ANL SWITCH IN "ON".
   MICROPHONE PTT SWITCH IN "RECEIVE".

6. ⬭ THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT, UNLESS MARKED OTHERWISE, TAKEN FROM THE POINT INDICATED TO CHASSIS GROUND WITH AN 11 MEGOHM INPUT VTVM. VOLTAGES MAY VARY ± 20%. ▭ THIS SYMBOL INDICATES AN AC VOLTAGE TAKEN FROM THE POINT INDICATED TO CHASSIS GROUND.

7. REFER TO CHASSIS PHOTOGRAPHS AND X-RAY VIEWS FOR THE PHYSICAL LOCATIONS OF PARTS.

8. POWER TRANSFORMER PRIMARY WIRING CONNECTIONS FOR 240 VAC ARE SHOWN IN THE BOX.

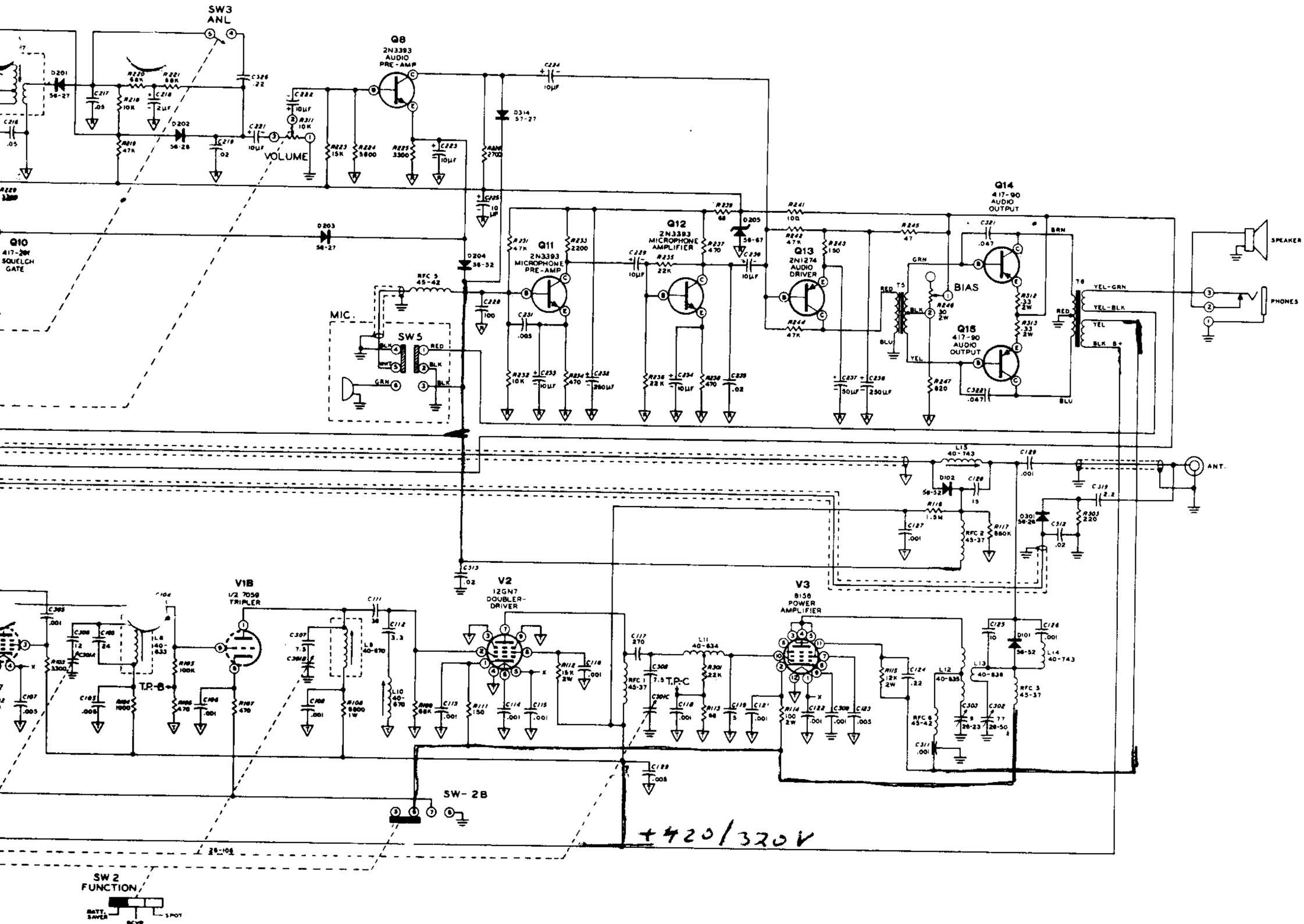
9. ▽ THIS SYMBOL INDICATES A COMMON CONNECTION INSIDE THE PREASSEMBLED TUNER.
   ▽R THIS SYMBOL INDICATES A CONNECTION TO THE RECEIVER CIRCUIT BOARD GROUND FOIL.
   ▽T THIS SYMBOL INDICATES A CONNECTION TO THE TRANSMITTER CIRCUIT BOARD GROUND FOIL.
   ⏚ THIS SYMBOL INDICATES A CONNECTION TO THE CHASSIS.

NOTES:

1. ALL
   OTH
   VAL

2. ALL
   FAR

3. ⬭
   WIT
   VOL




## SCHEMATIC OF THE HEATHKIT®
## MODEL HWA-17-1
## TRANSISTORIZED DC POWER SUPPLY

NOTES:

1. ALL RESISTORS ARE 1/2 WATT UNLESS OTHERWISE INDICATED. RESISTOR VALUES ARE IN OHMS (K=1000).
2. ALL CAPACITOR VALUES ARE IN MICROFARADS ( µF )
3. (oval) ALL VOLTAGE READINGS WERE TAKEN WITH AN 11 MEGOHM INPUT VOLTMETER. VOLTAGES MAY VARY AS MUCH AS ±20%.