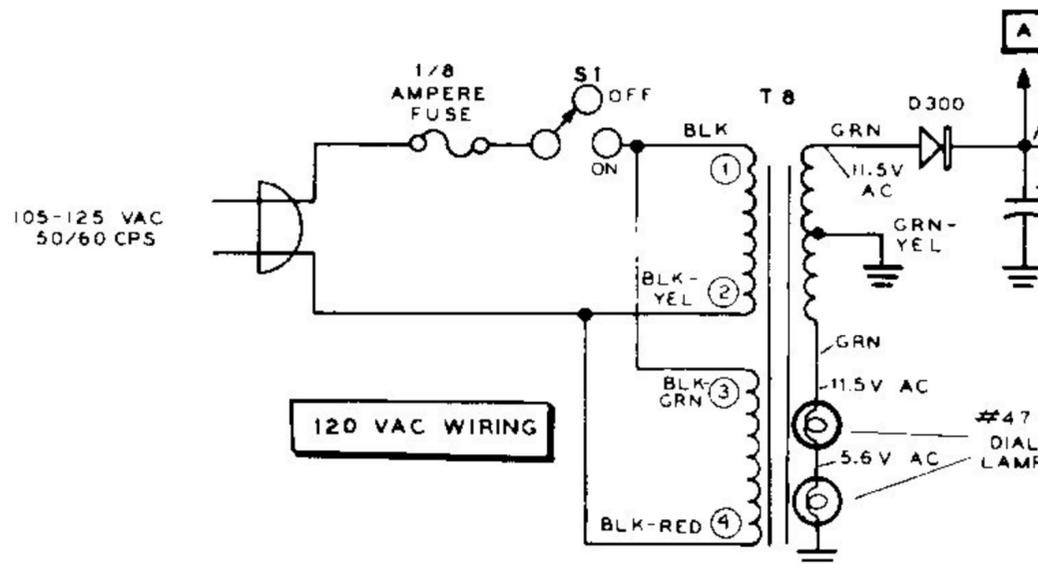


**SCHEMATIC OF THE  
HEATHKIT®  
SOLID STATE FM STEREO TUNER  
MODEL AJ-14**



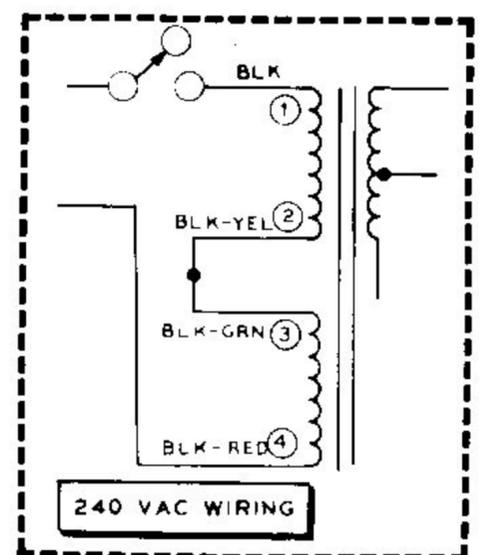
**NOTES:**

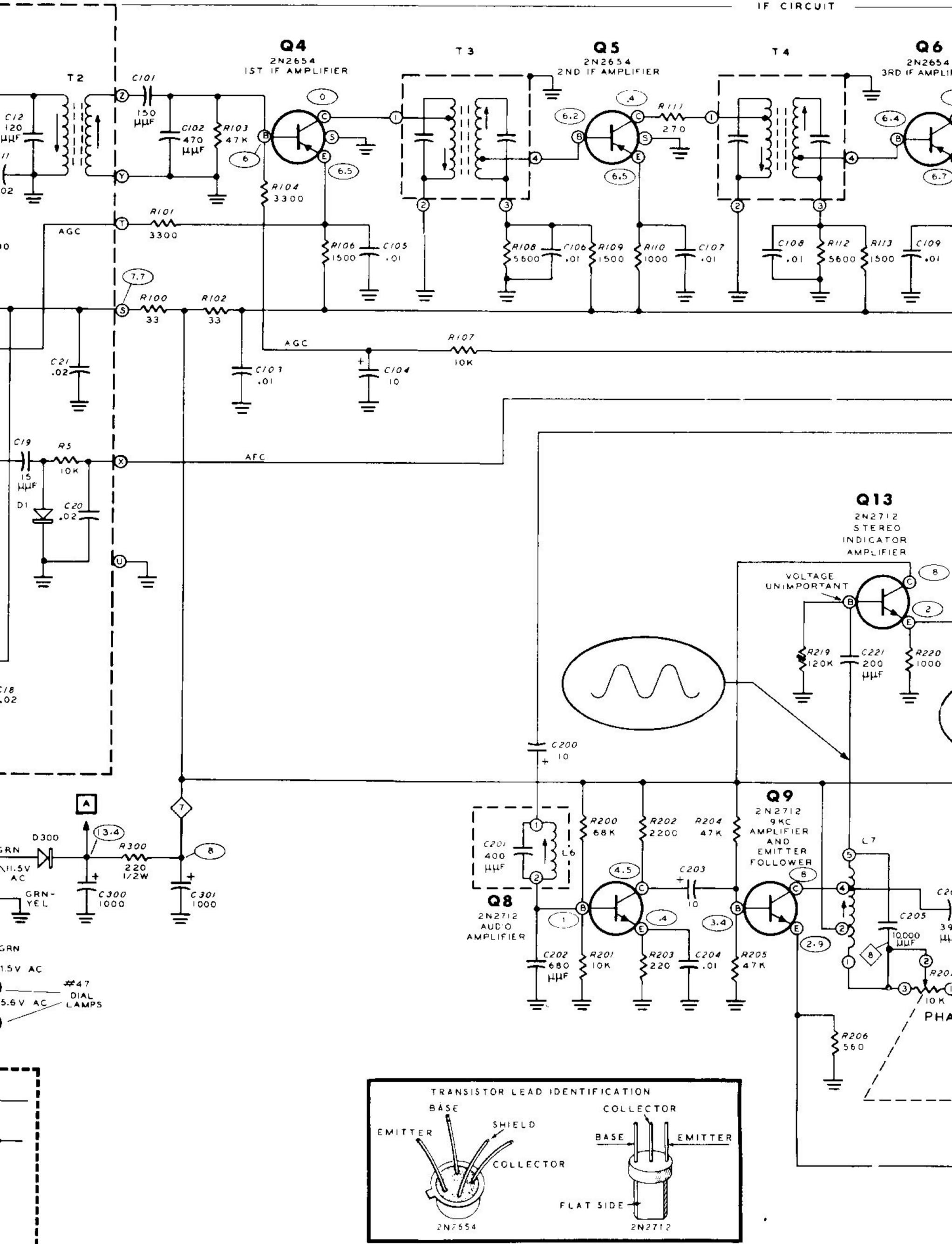
- ALL RESISTORS ARE 1/4 WATT UNLESS MARKED OTHERWISE.
- ALL RESISTOR VALUES ARE IN OHMS (K = 1000, MEG = 1,000,000).
- ALL CAPACITOR VALUES ARE IN  $\mu$ F UNLESS MARKED OTHERWISE.
- INDICATES VOLTAGE READING.
- ALL VOLTAGES ARE DC POSITIVE UNLESS MARKED OTHERWISE.
- ALL VOLTAGES ARE MEASURED FROM POINT INDICATED TO CHASSIS GROUND.
- VOLTAGE READINGS TAKEN WITH AN 11 MEGOHM INPUT VTVM.
- VOLTAGES MAY VARY  $\pm 20\%$ .
- MEASUREMENTS MADE WITHOUT ANTENNA CONNECTED, SWITCH S2 AT STEREO POSITION, AND PHASE SWITCH PUSHED IN.
- TP INDICATES TEST POINTS.
- ◇ INDICATES CONNECTING POINTS ON CIRCUIT BOARD.
- REFER TO THE X-RAY VIEW FOR THE PHYSICAL LOCATION OF PARTS.

**LETTER-NUMBER DESIGNATIONS FOR COMPONENTS ARE AS FOLLOWS:**

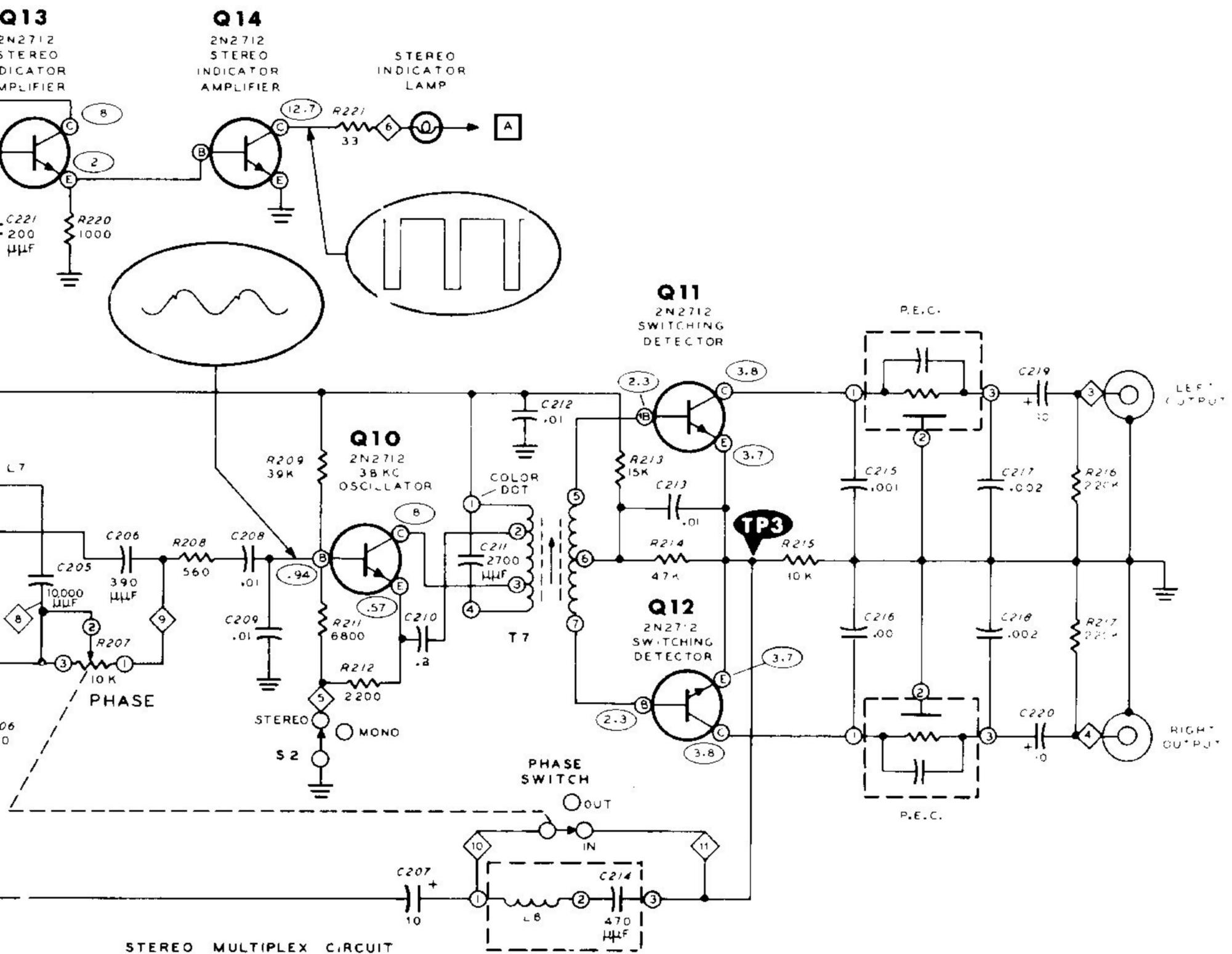
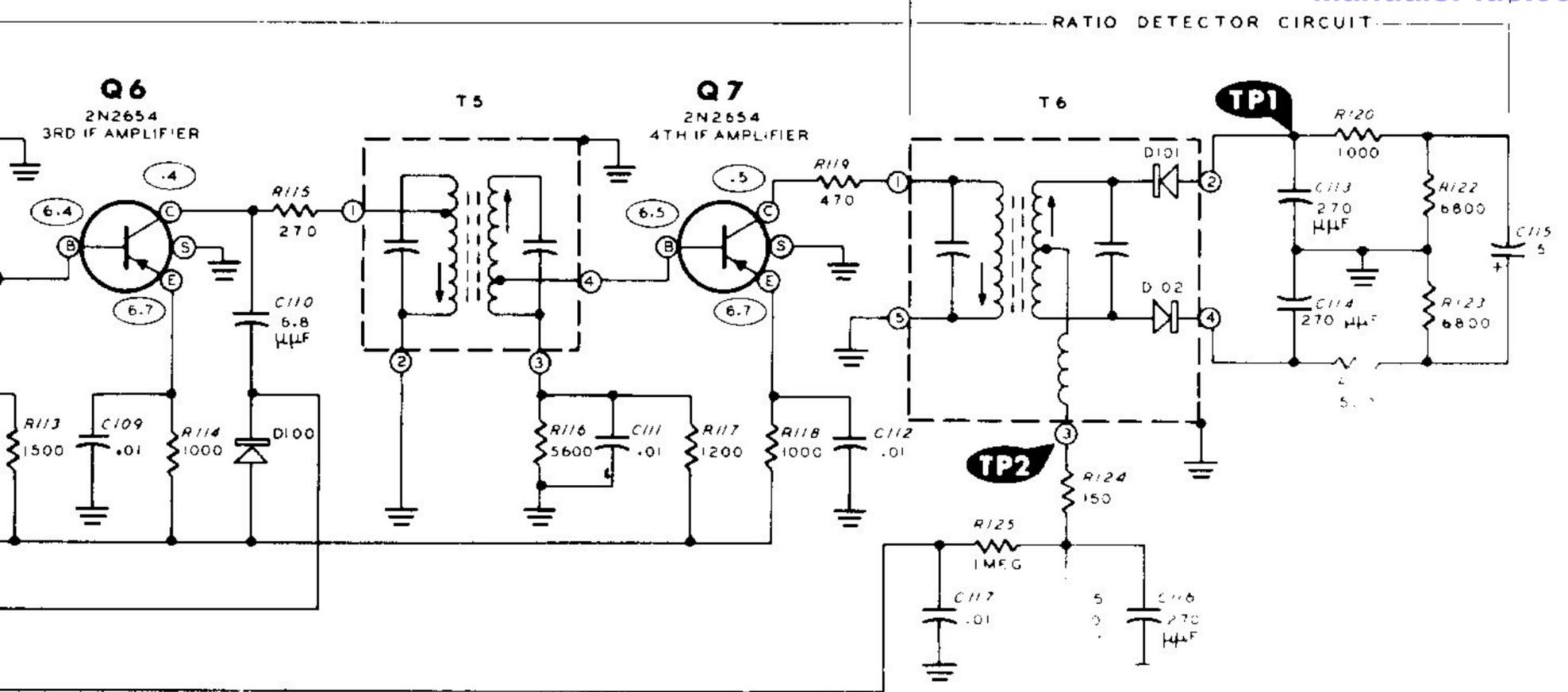
- 1 - 99 FM TUNING UNIT
- 100 - 199 IF CIRCUIT
- 200 - 299 FM STEREO MULTIPLEX CIRCUIT
- 300 - 399 POWER SUPPLY

2N2712 TRANSISTORS: Q8 THROUGH Q13 HAVE AN ORANGE DOT AND Q14 HAS A BLUE DOT.





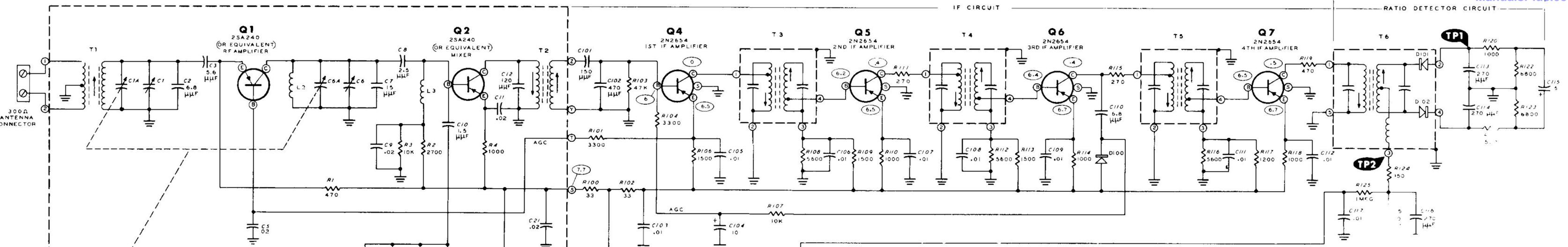
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FM TUNING UNIT

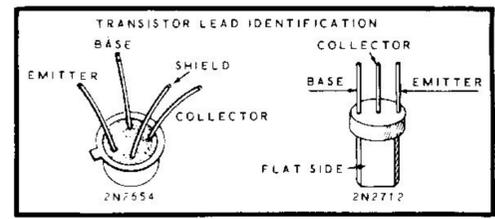
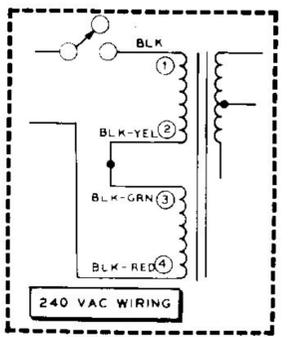
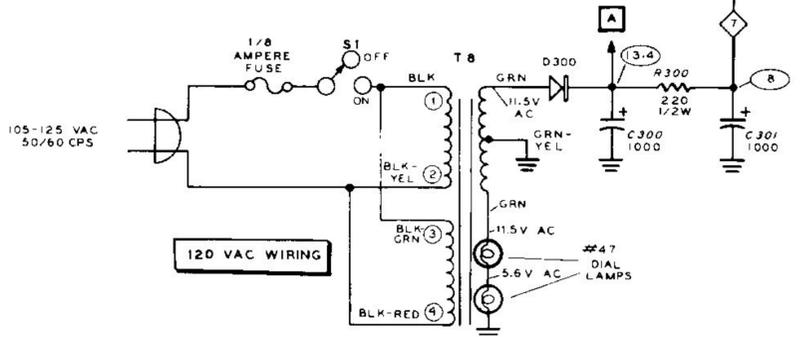
IF CIRCUIT

RATIO DETECTOR CIRCUIT

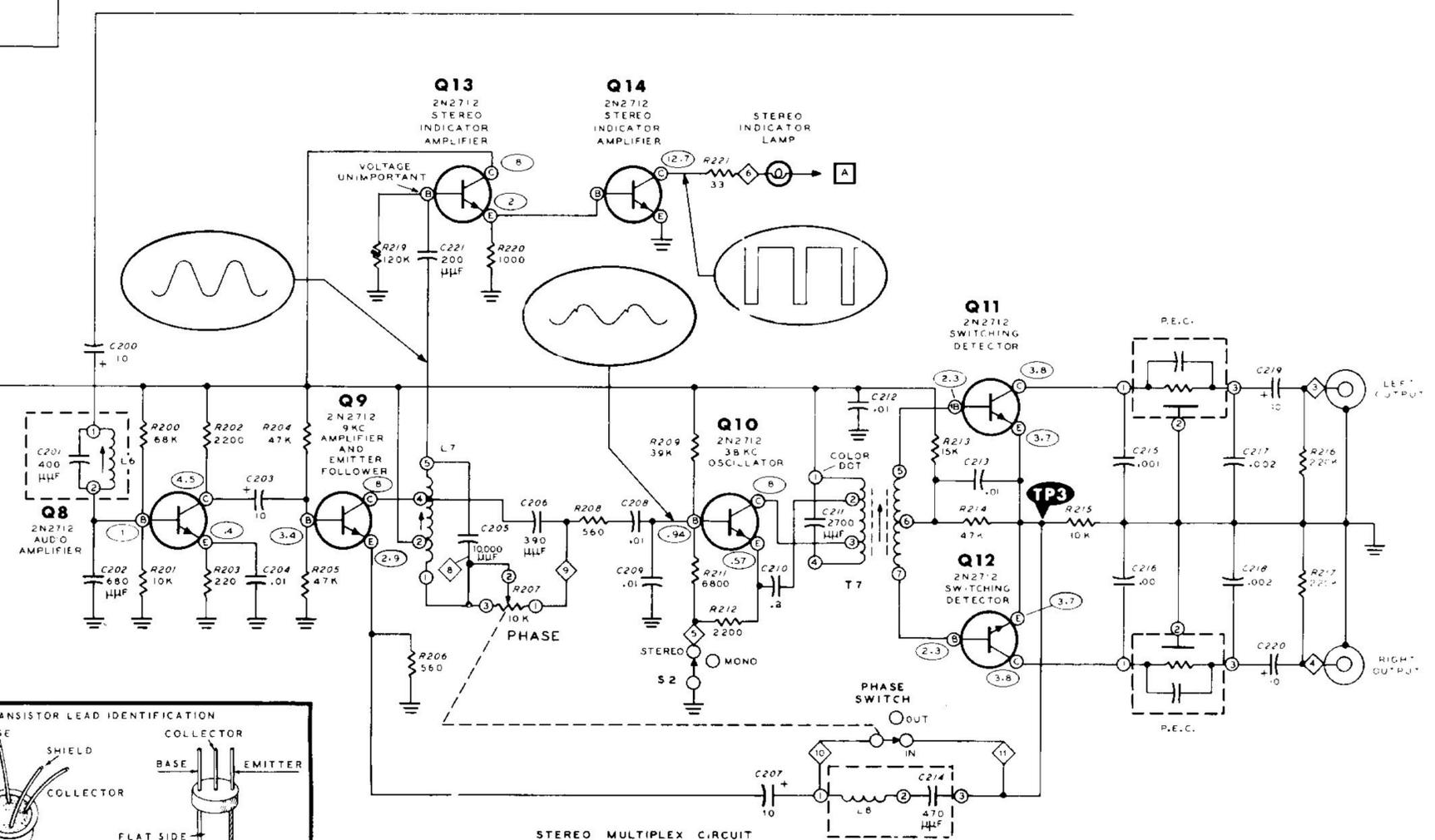


**SCHEMATIC OF THE HEATHKIT® SOLID STATE FM STEREO TUNER MODEL AJ-14**

**NOTES:**  
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 ALL RESISTOR VALUES ARE IN OHMS (K = 1000, MEG = 1,000,000).  
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**SCHEMATIC OF THE HEATHKIT® SOLID STATE FM STEREO TUNER MODEL AJ-14**



**STEREO MULTIPLEX CIRCUIT**

