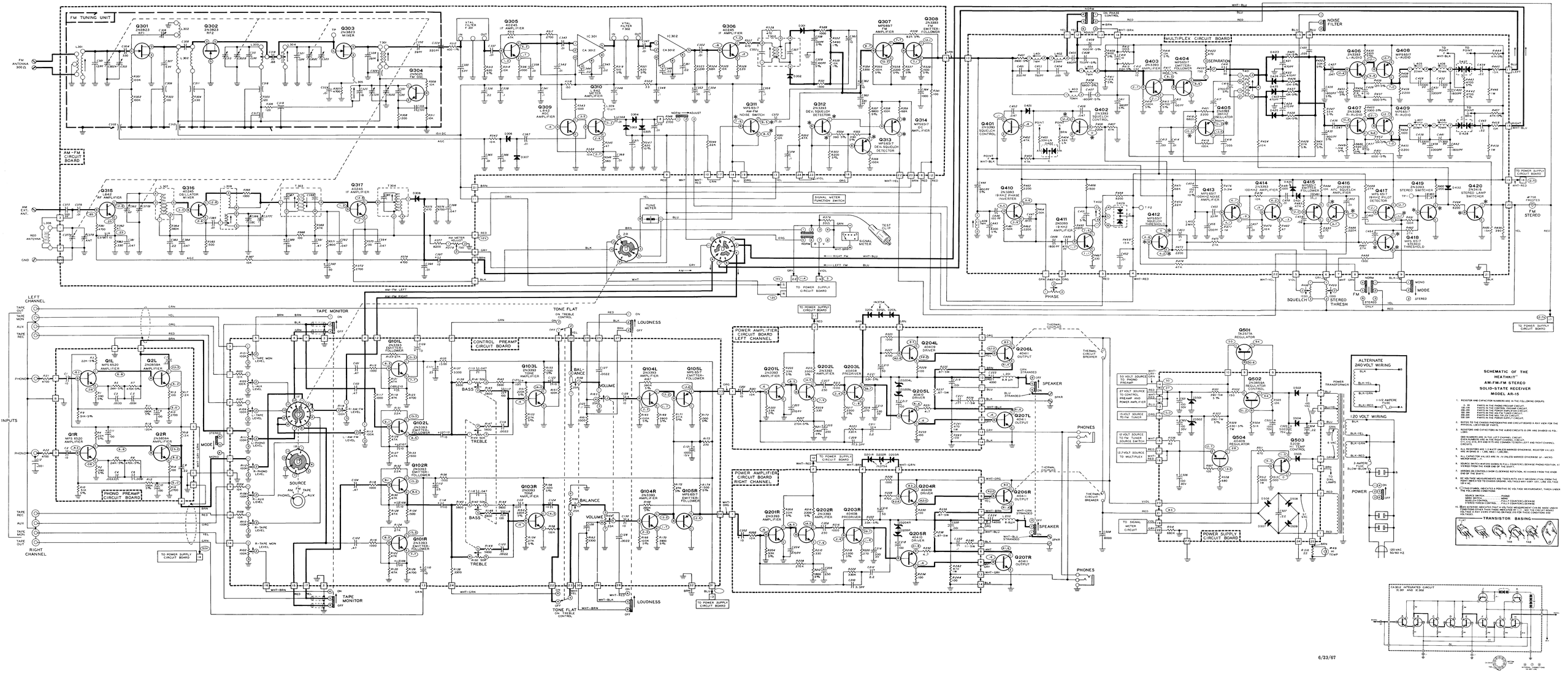

SCHEMATIC OF THE HEATHKIT®
AM-FM-FM STEREO
SOLID-STATE RECEIVER
MODEL AR-15

1. RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:
   - 1-99 PARTS IN THE PHONO PREAMP CIRCUIT
   - 100-199 PARTS IN THE CONTROL PREAMP CIRCUIT
   - 200-299 PARTS IN THE POWER AMPLIFIER CIRCUIT
   - 300-399 PARTS IN THE AM-FM TUNER CIRCUIT
   - 400-499 PARTS IN THE MULTIPLEX CIRCUIT
   - 500-599 PARTS IN THE POWER SUPPLY CIRCUIT
2. REFER TO THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEW FOR THE PHYSICAL LOCATION OF PARTS.
3. RESISTORS AND CAPACITORS IN THE AUDIO CIRCUITS (1-99) ARE DIVIDED AS FOLLOWS:
   ODD NUMBERS ARE IN THE LEFT CHANNEL CIRCUIT.
   EVEN NUMBERS ARE IN THE RIGHT CHANNEL CIRCUIT.
   CIRCUIT, CIRCUIT, 101 AND 1-99 ARE COMMON TO BOTH LEFT AND RIGHT CHANNEL CIRCUITS.
4. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K = 1,000, MEG = 1,000,000).
5. ALL CAPACITOR VALUES ARE IN .1K UNLESS MARKED OTHERWISE (K = MICRO-MICROFARADS).
6. SOURCE SWITCH VIEWED SHOWN IN FULL COUNTERCLOCKWISE PHONO POSITION. AT VIEWED FROM THE KNOB END OF THE SHAFT.
7. ARROW ON CONTROLS SHOW CLOCKWISE ROTATION, AS VIEWED FROM THE KNOB END OF THE SHAFT.
8. DC VOLTAGE MEASUREMENTS ARE TAKEN WITH AN 11 MEGOHM VTVM FROM THE RESISTANCE TO CHASSIS GROUND. VOLTAGES MAY VARY 20% LINE VOLTAGE 120 V AC.
9. TO PHOTO STAMP, INDICATES A POSITIVE DC VOLTAGE MEASUREMENT, TAKEN UNDER THE FOLLOWING CONDITIONS:
   - SOURCE SWITCH ..... PHONO
   - MODE SWITCH ..... MONO
   - MULTIPLEX CONTROL ..... FULLY COUNTERCLOCKWISE
   - STEREO THRESH CONTROL ..... FULLY COUNTERCLOCKWISE
10. SEAN RESISTOR INDICATES THAT A VOLTAGE MEASUREMENT CAN BE MADE UNDER CONDITIONS SHOWN THAT WHEN MEASURED AND AS THE VOLTAGE MEASURED VOLTAGE IS MAY VARY STARTING ON PAGE 6 FOR MORE CONDITIONS AND MEASUREMENT.