



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

1. RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:
 100-999 PARTS IN THE PHONO PREAMP CIRCUIT.
 1000-9999 PARTS IN THE POWER AMPLIFIER CIRCUIT.
 10000-99999 PARTS IN THE MULTIPLEX CIRCUIT.
 100000-999999 PARTS IN THE POWER SUPPLY CIRCUIT.
2. REFER TO THE CHASSIS PHOTOGRAPH AND CIRCUIT BOARD X-RAY VIEW FOR THE PHYSICAL LOCATION OF PARTS.
3. RESISTORS AND CAPACITORS IN THE AUDIO CIRCUITS ARE DIVIDED AS FOLLOWS:
 1000-9999 PARTS IN THE LEFT CHANNEL CIRCUIT.
 10000-99999 PARTS IN THE RIGHT CHANNEL CIRCUIT.
 100000-999999 PARTS ARE COMMON TO BOTH LEFT AND RIGHT CHANNEL CIRCUITS.
4. ALL RESISTORS ARE 1/4 WATT UNLESS OTHERWISE MARKED. RESISTOR VALUES ARE IN OHMS, 100K, 1M, 10M, 100M, 1K, 10K, 100K, 1M, 10M, 100M.
5. ALL CAPACITOR VALUES ARE IN μF UNLESS OTHERWISE MARKED. MICRO MICROFARADS ARE μ.
6. SOURCE SWITCH WATERS DOWN IN FULL CENTER/CLOCKWISE PHONO POSITION. A VERTICAL LINE TO THE RIGHT OF THE SWITCH INDICATES THE POSITION OF THE SWITCH.
7. ARROWS ON CONTROLS SHOW CLOCKWISE ROTATION. AS VIEWED FROM THE FRONT END OF THE SHIRT.
8. DC VOLTAGE MEASUREMENTS ARE TAKEN WITH AN 11 MEGOHM VOM, FROM THE POSITIVE TERMINAL TO CHASSIS GROUND. VOLTAGES MAY VARY ±0.5% LINE VOLTAGE AND ±0.5% TOLERANCE IN PARTS.
9. POWER MEASUREMENTS ARE TAKEN UNDER THE FOLLOWING CONDITIONS:
 MODE SWITCH: MONO
 TUNING: FULL CENTER/CLOCKWISE
 STEREO THRESHOLD CONTROL: FULL CENTER/CLOCKWISE
 BASS/TREBLE: FULL CENTER/CLOCKWISE
 VOLUME: FULL CENTER/CLOCKWISE
 PHONO: FULL CENTER/CLOCKWISE
 PHONO: FULL CENTER/CLOCKWISE
 PHONO: FULL CENTER/CLOCKWISE

TRANSISTOR BASING