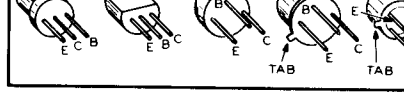


SCHEMATIC OF THE HEATHKIT™ AM-FM STEREO SOLID-STATE RECEIVER

MODEL AR-15

- 1. RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:
 - a. 100 PARTS IN THE PHONO PREAMP CIRCUIT.
 - b. 100 PARTS IN THE POWER AMPLIFIER CIRCUIT.
 - c. 100 PARTS IN THE CONTROL PREAMP CIRCUIT.
 - d. 100 PARTS IN THE MULTIPLEX CIRCUIT.
 - e. 100 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:
 - a. 100 PARTS IN THE PHONO PREAMP CIRCUIT.
 - b. 100 PARTS IN THE POWER AMPLIFIER CIRCUIT.
 - c. 100 PARTS IN THE CONTROL PREAMP CIRCUIT.
 - d. 100 PARTS IN THE MULTIPLEX CIRCUIT.
 - e. 100 PARTS IN THE POWER SUPPLY CIRCUIT.
- 4. ALL RESISTORS ARE IN OHMS UNLESS OTHERWISE MARKED. RESISTOR VALUES ARE IN OHMS IN THE POWER SUPPLY CIRCUIT.
- 5. ALL CAPACITOR VALUES ARE IN MICROFARADS UNLESS OTHERWISE MARKED.
- 6. SOURCE SWITCH WAFERS SHOWN IN FULL CENTER LOCATE PHONO POSITION. A WAFER FROM THE RIGHT SIDE 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 VTM FROM THE 100 VOLT AC. AC VOLTAGE MEASUREMENTS ARE TAKEN WITH A 100 VOLT AC. AC VOLTAGE MEASUREMENTS ARE TAKEN WITH A 100 VOLT AC.
- 9. THE FOLLOWING CONDITIONS APPLY TO ALL MEASUREMENTS:
 - a. MODE SWITCH IS IN MONO POSITION.
 - b. SQUELCH CONTROL IS FULLY COUNTERCLOCKWISE.
 - c. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - d. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - e. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - f. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - g. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - h. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - i. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - j. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - k. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - l. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - m. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - n. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - o. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - p. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - q. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - r. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - s. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - t. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - u. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - v. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - w. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - x. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - y. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
 - z. STEREO THRESHOLD CONTROL IS FULLY COUNTERCLOCKWISE.
- 10. BE CAREFUL TO NOTE THAT ALL VOLTAGE MEASUREMENTS CAN BE MADE WITHOUT CONSIDERING OTHER THAN THOSE INDICATED BY THE CIRCUIT BOARD AND THIS SCHEMATIC. PARTS ARE IDENTIFIED BY THIS SCHEMATIC.

TRANSISTOR BIASING



POWER SUPPLY

