

NOTES:

- COMPONENTS ARE IN THE FOLLOWING GROUP NUMBERS:

1-99 PARTS ON CHASSIS AND INPUT SELECTOR CIRCUIT BOARD.

101-200 PARTS ON MOVING COIL PREAMPLIFIER CIRCUIT BOARD

201-400 PARTS ON MAIN CIRCUIT BOARD

401-500 PARTS ON MODE SWITCH CIRCUIT BOARD

501-600 PARTS ON CONTROL CIRCUIT BOARD

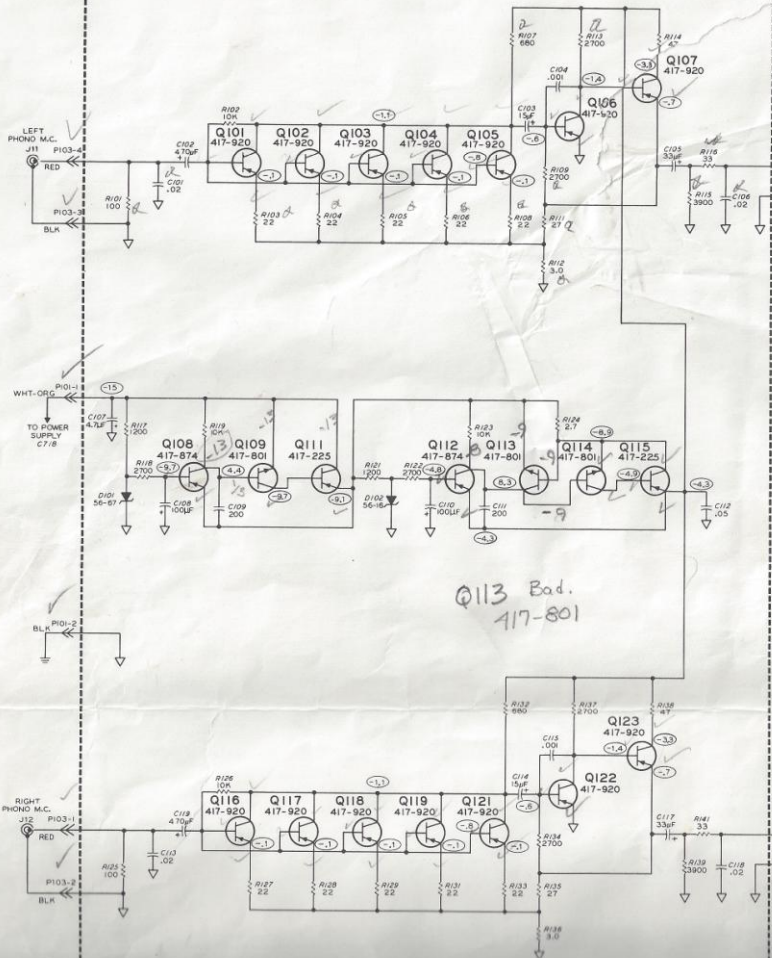
601-700 PARTS ON SPEAKER SELECTOR CIRCUIT BOARD

701-800 PARTS ON POWER SUPPLY CIRCUIT BOARD

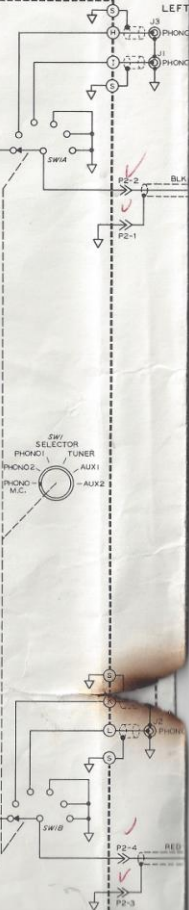
- ALL RESISTORS ARE 1/4-WATT, 5% TOLERANCE UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K=1,000, M=1,000,000).
- ALL CAPACITOR VALUES LESS THAN 1 ARE IN μF AND ALL CAPACITOR VALUES GREATER THAN 1 ARE IN pF UNLESS MARKED OTHERWISE.
- SWITCHES ARE SHOWN WITH THE PREAMPLIFIER IN THE PHONO M. C., STEREO MODE OF OPERATION.
- DC VOLTAGE MEASUREMENTS WERE TAKEN WITH A HIGH IMPEDANCE INPUT VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY $\pm 20\%$. LINE VOLTAGE WAS 120 VAC, 60 Hz.
- ALL VOLTAGE MEASUREMENTS WERE MADE UNDER NO SIGNAL CONDITIONS.
- THIS SYMBOL INDICATES A DC VOLTAGE.
- THIS SYMBOL INDICATES A CIRCUIT BOARD GROUND.
- THIS SYMBOL INDICATES A CHASSIS GROUND.
- THIS SYMBOL INDICATES A GROUND INDEPENDENT OF OTHER GROUNDS.
- THIS SYMBOL WITH A NUMBER INDICATES A CONNECTOR PLUG AND PIN CONNECTION. FOR EXAMPLE: P504-6 INDICATES PLUG P504, PIN 6.
- BUILDERS SELECTED VALUES.
- BALANCE CONTROL WITH WIPER IN BOXED AREA THERE IS NO SIGNAL LOSS.
- PARTS IN SHADED AREAS ARE CRITICAL FOR CONTINUED SAFETY. REPLACE THEM ONLY WITH PARTS OF THE SAME RATING OR WITH THE PROPER HEATH PARTS.

SCHEMATIC OF THE HEATHKIT® MODEL AP-1800 DELUXE PREAMPLIFIER

MOVING COIL PREAMPLIFIER CIRCUIT BOARD

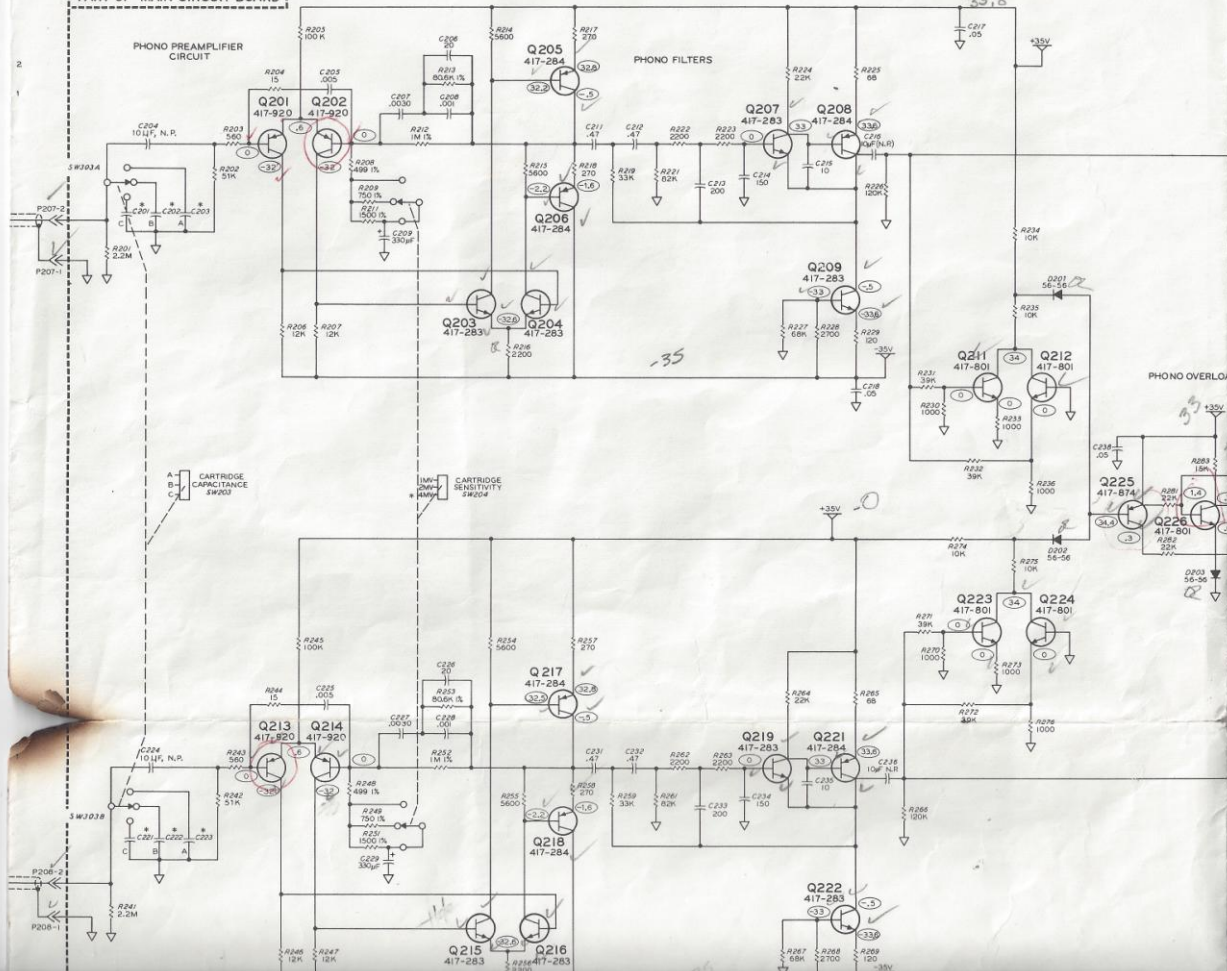


PART OF INPUT SELECTOR CIRCUIT BOARD



PART OF MAIN CIRCUIT BOARD

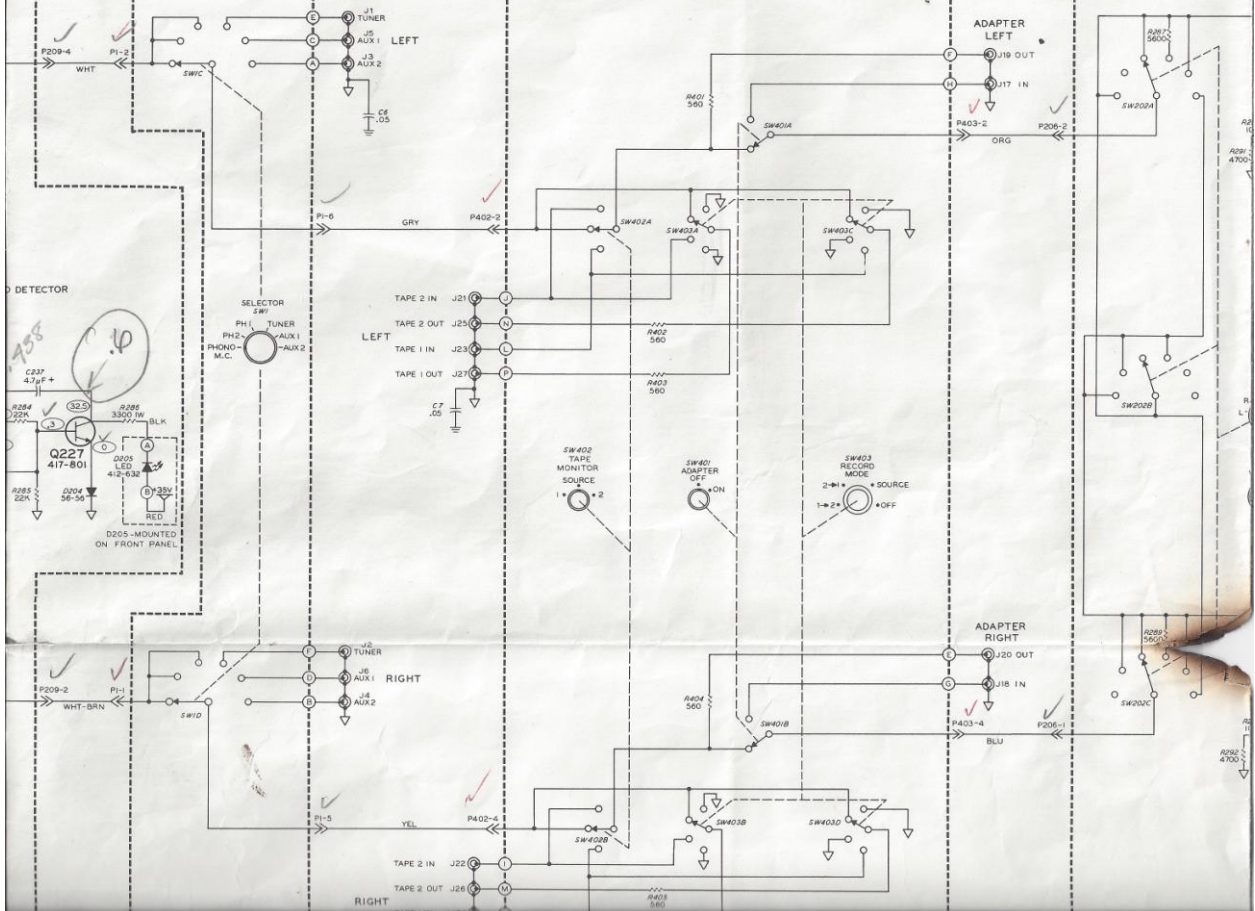
PHONO PREAMPLIFIER
CIRCUIT



PART OF INPUT
SELECTOR CIRCUIT
BOARD

PART OF MODE SWITCH
CIRCUIT BOARD

PART OF MAIN CIRCUIT B

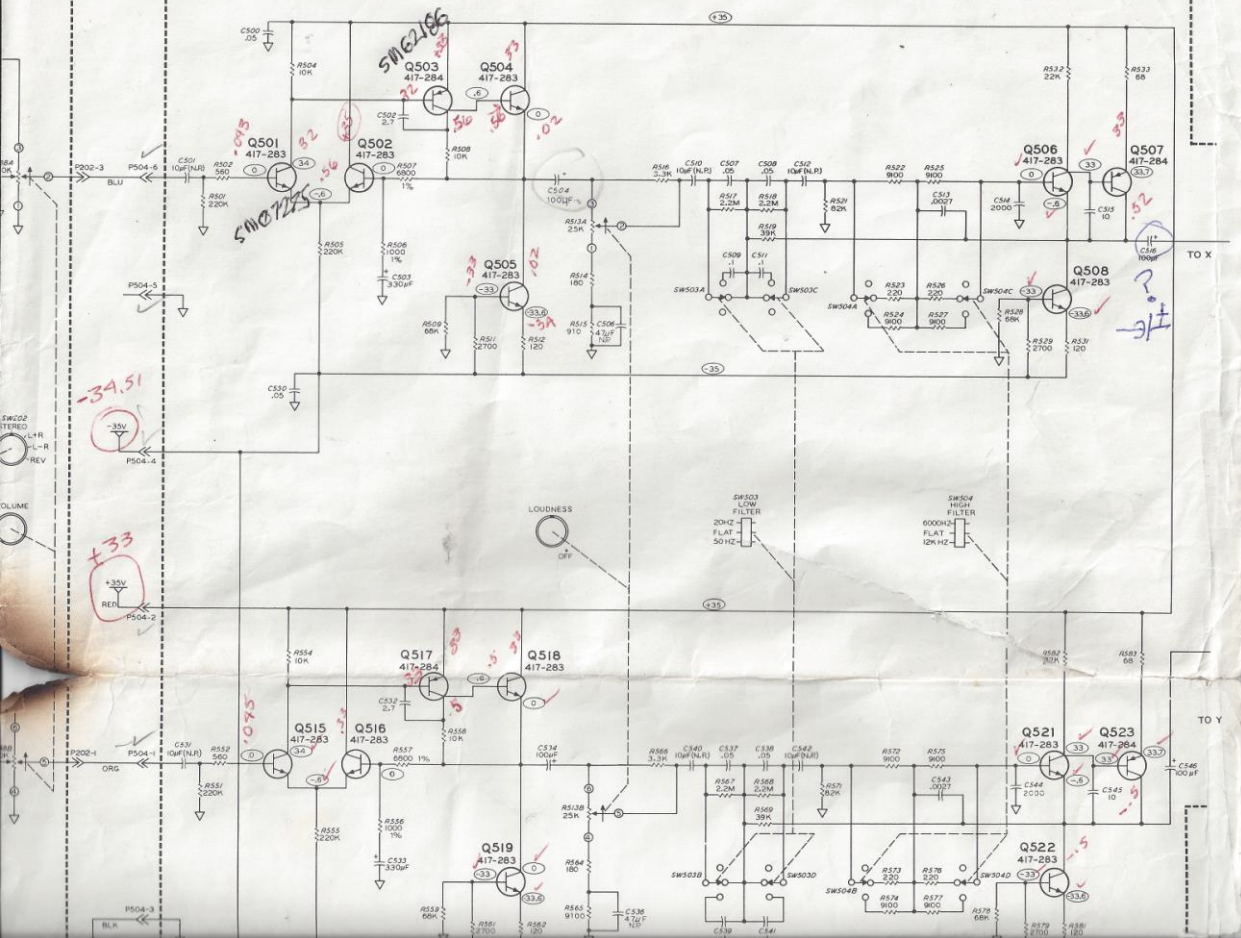


BOARD

CONTROL CIRCUIT BOARD

HIGH LEVEL AMPLIFIER AND LOUDNESS CIRCUIT

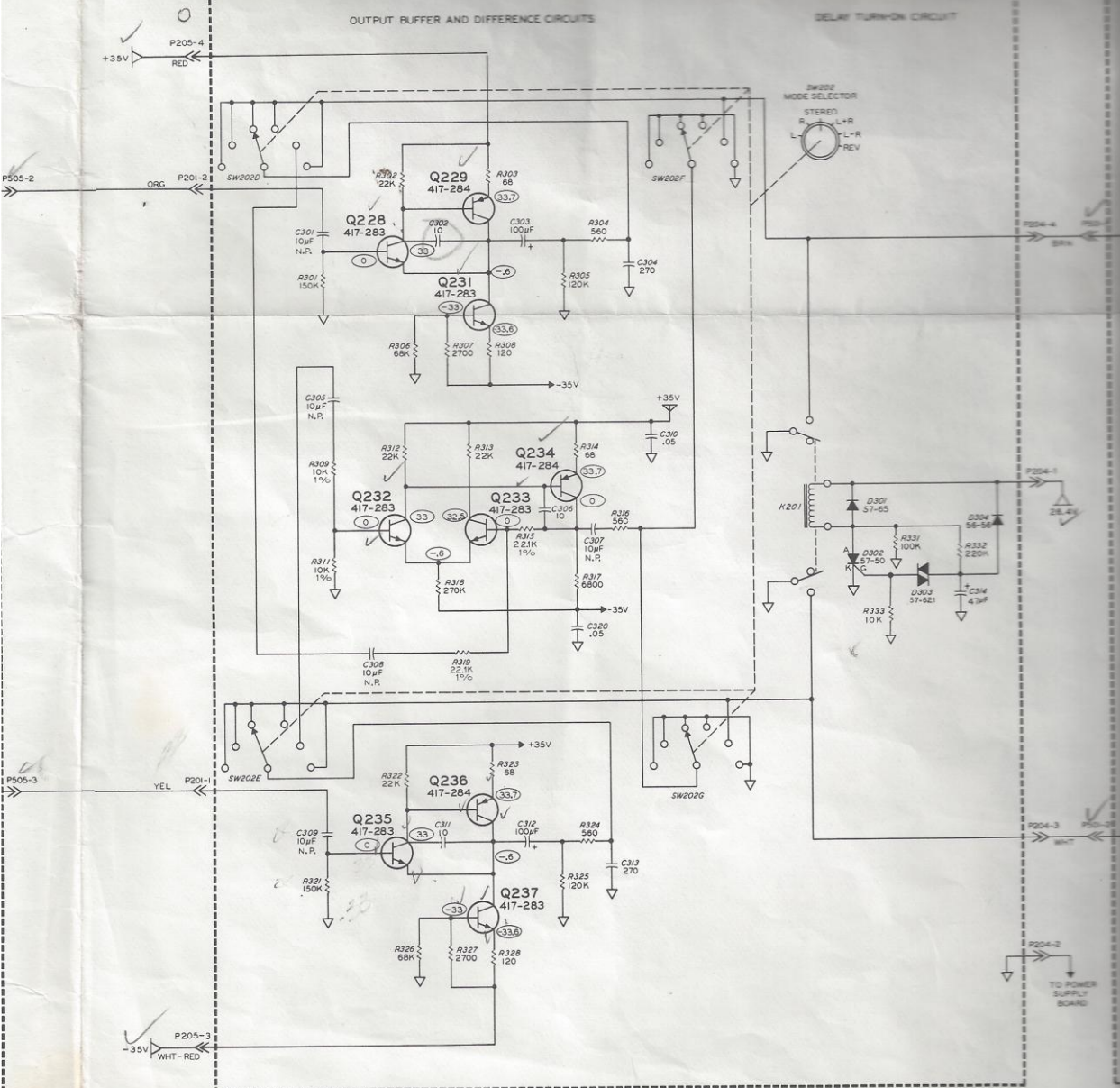
FILTER CIRCUIT



PART OF MAIN CIRCUIT BOARD

OUTPUT BUFFER AND DIFFERENCE CIRCUITS

DELAY TURN-ON CIRCUIT



PART OF CONTROL CIRCUIT BOARD

PART OF MODE SWITCH CIRCUIT BOARD

