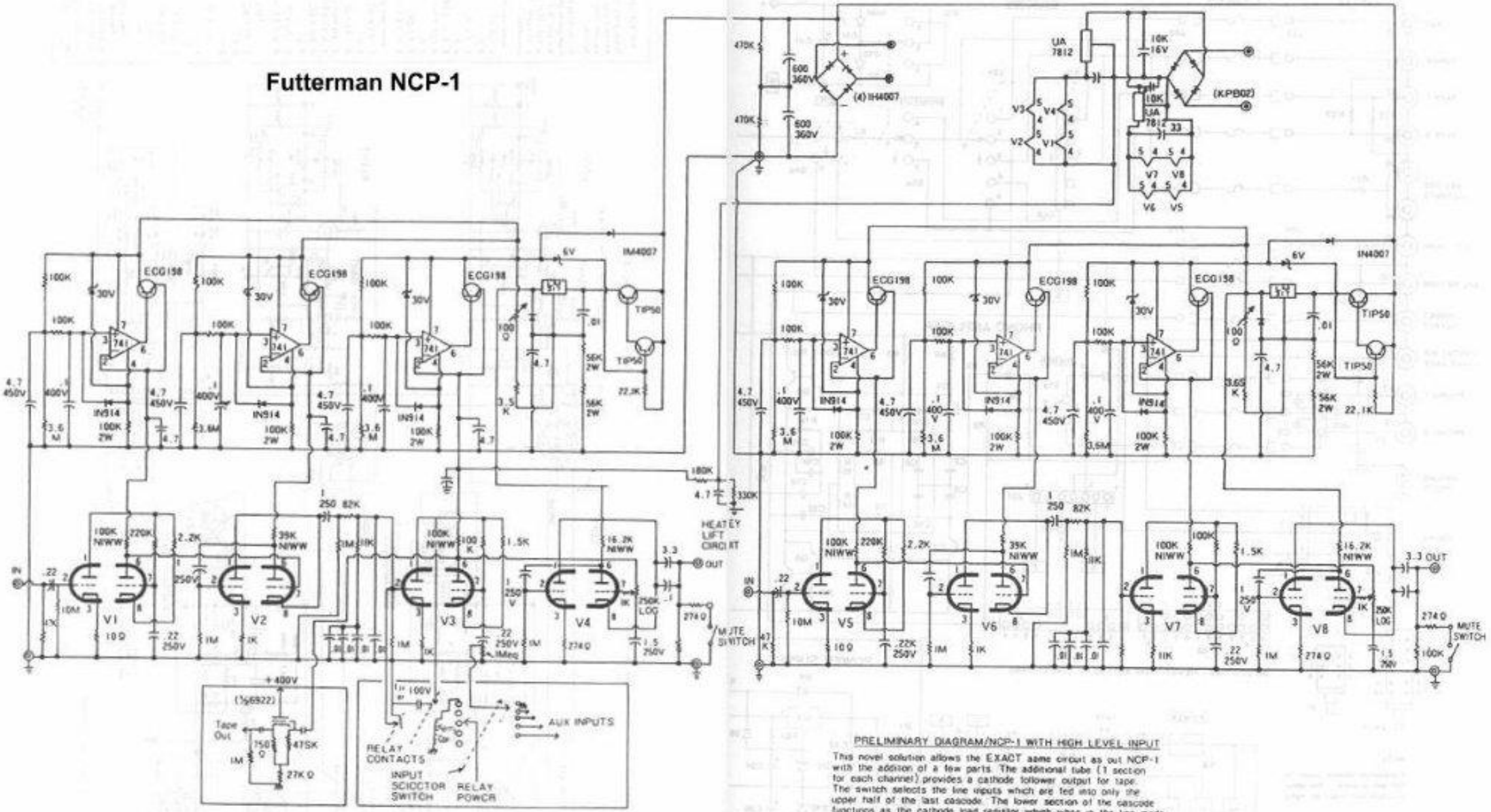
Futterman NCP-1



PRELIMINARY DIAGRAM/NCP-1 WITH HIGH LEVEL INPUT

This novel solution allows the EXACT same circuit as our NCP-1 with the addition of a few parts. The additional tube (1 section for each channel) provides a cathode follower output for tape. The switch selects the line inputs which are fed into only the upper half of the last cascode. The lower section of the cascode functions as the cathode load resistor which, when in the line mode is bypassed with a capacitor. This gives approximately a gain of 20 in the line mode. At this same time time, the second relay contact grounds out the RIAA circuit output to minimize noise. The selector switch when in the phono position turns off the relay voltage and shorts out the load resistor (1 meg) to the upper grid. This returns the circuit to it's original cascode configuration. At no time is the phono signal path broken.