

JHS Synth Mod

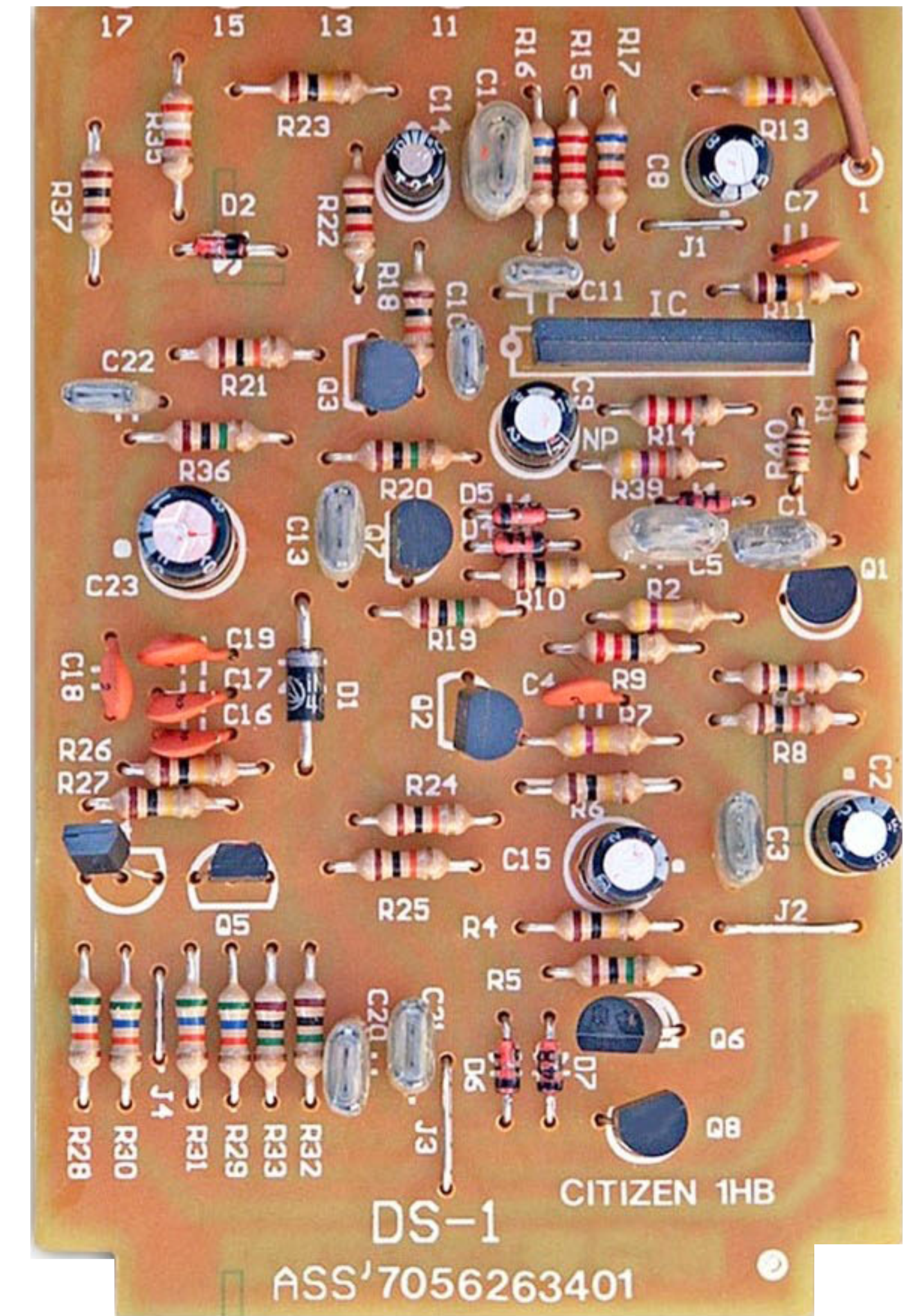
- C1, C5- .1uF Input caps, raise value to allow broader range of signal into the clipping stage
- C2- 1uF (NP) (transistor booster)
- C3- .047u (transistor booster)
- C8- 1uF (NP) Gain knob (OP Amp Gain stage)
- C11- .047u Changes the mid frequency tonal center, lower value for more mids, raise value for less mids.
- C13- .1u (output buffer)
- C14- 1uF (NP) (output buffer)

R35-1.1k metal film (Lower value of resistor to increase LED brightness)

D4-1N4001

D5- 2 5mm red LED's in series, a hole is drilled through the "o" in tone and one LED is held via a holder so it's visible.

There are three SPDT on/on switches mounted on the sides of the enclosure, and they're wired like this.



OPTIONS

- R16- Lower value will increase low midrange frequencies
- R17- Lower value will decrease highs
- R13- Lower value = more distortion
- C03- Lower value for less compression, raise value for more bass and compression BEFORE clipping, which can make the pedal sound muddy
- C11- Changes the mid frequency tonal center, lower value for more mids, raise value for less mids.
- C1, C5- Input capacitors, raise value to allow broader range of signal into the clipping stage
- C03- Adds a very nice "bottom end, and fullness"
- C10- Changes EQ of the pedal, lower value to add in lows
- C12- Changes EQ of the pedal, raise value to add in mids
- R35- Lower value of resistor to increase LED brightness