AMPLIFICATION
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VALVULATOR GP3 Gain Modification

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Introduction:
While most players are happy with the sound quality of the VALVULATOR GP3 Preamp, some have commented rather strongly about a perceived lack of gain in the overdrive stages. It is not that the GP3 is lacking any gain really, but that the clarity and definition of the overdrive is such that sometimes players don't recognize how much gain is really there. This is because with extreme gain settings, the GP3 is not muddy and compressed sounding, a trait which typical preamps often exhibit. Instead, the GP3 behaves much more like a real guitar amplifier in that the power amp stage of a guitar amp tends to compensate or "clean up" preamp overdrive somewhat, which is exactly what happens in the output stage of the GP3. However, there are those who insist that the GP3 should have "more gain" on tap and in response, we have developed a modification to deliver what we would under normal circumstances consider oversaturation of the overdrive stages. But since again the GP3 tends to overcompensate for this, it still retains most of the detail that you would expect from a VHT "amp". At this time we also made a couple of other small adjustments which we feel will enhance the overall personality of the GP3.

The purpose of this modification is to:

1) Slightly increase warmth and input stage overdrive on the Clean Channel.

2) Slightly Increase warmth and sustain on the Rhythm Channel.

3) Significantly increase overdrive and sustain on the Lead Channel.

Parts required:
2 - 54.9K 1/4 watt 1% Resistor (or 2 - 28K 1/4 watt 1% Resistors - see item # 6 & 7 below).
1 - 100K 1/2 watt 1% Resistor.
1 - 200K 1/2 watt 1% Resistor.
1 - 1000pF 50V Ceramic Disc Capacitor

Tools required:
#1 Phillips Screwdriver.
1/16 inch Allen Driver.
10mm Nut Driver.
Small diagonal wire cutter.
Needle nose pliers.
Medium powered soldering iron.
Solder removing tool (solder wick is not recommended).

Disclaimer: Warning! High Voltages Inside! Risk of electric shock!
This is not a complicated task, however if you do not have experience servicing this type of equipment, PLEASE REFER TO QUALIFIED SERVICE PERSONNEL.

Note: It is recommended that you perform this operation with the chassis front panel facing you for correct component orientation.