

Bass Wah and Range Mod

Change the .01 uF capacitor to a .068 uF cap. You can also tweak this capacitor to however suits your taste for either guitar or bass. I like a .022 uF capacitor in this position, fattens it up. BTW the .022 uF is the value that's used in the Jimi Hendrix wah.

Vocal Mod

There is a 33k resistor in parallel with the inductor in the stock pedal. You can vary this resistor to determine how "vocal" the wah sound is. There was originally a 100k resistor in the famous Clyde McCoy wah, its my personal favorite, but 68k is also a common replacement.

Transistor Change

I put a OC-140 NOS germanium transistor from ([Aron Nelson](#)) in the Q1 position. Then I stuck a 2N3904 silicon in Q2. IMO it really made the pedal sound alot warmer somehow. The volume dropped a bit though because the Q1 germanium had a lowish gain, so I dropped the 390ohm resistor at the emitter to 330. It's now a little bit louder than when its off, but I'm happy.

Convert to Vox V847 Specs

Somebody asked me to come up with mods to change the Original Crybaby to Vox V847 specifications, so here's what I came up with by studying the two schematics:

82k in series with 4.7uF should be changed to 100k

The resistor off the emitter Q1 should be changed from 390k to 510k

Inductor switch---from ~500mH to ~660mH(just get a Fasel, or something.)

Eliminate 220uF capacitor, .1uF capacitor, and ZL9M3 diode, along with 1k resistor.

Now, the buffer should be removed, for that follow the excellent instructions at [Stinkfoot Electronics](#).

That should do it. Peace!

Convert to volume pedal

Take out the 4.7uF capacitor, and walla!

Change to Hendrix sig wah

Replacing the .01uF capacitor with a .022 capacitor leaves you with the Jimi Hendrix model Dunlop wah.

General improvement of this pedal!

I've spent some time coming up with this mod...it sounds excellent to me, I incorporated ideas from the original Clyde Wah, the Jimi Hendrix signature wah, along with a bunch of other slight changes. There's a sweep mod to make the sweep smoother, which partially remedies the issue of the kind of not so smooth sounding wah pot. I've modded it to boost midrange. The transistor changes are optional, but very nice sounding IMO. Give it a much more smooth and warm tone. The buffer and true bypass details can be found at [Stinkfoot Electronics](#). I've also added a pot to modify the vocal-

ness of the sound, and a switch to change it into a volume pedal too.

A new inductor and new pot would make it much nicer too...expect to pay around 30 bucks for a new pot and inductor combined if you want one. Germanium transistors can be found at [Small Bear](#) or from Aron Nelson at [DIY Stompboxex](#).

Peace!

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