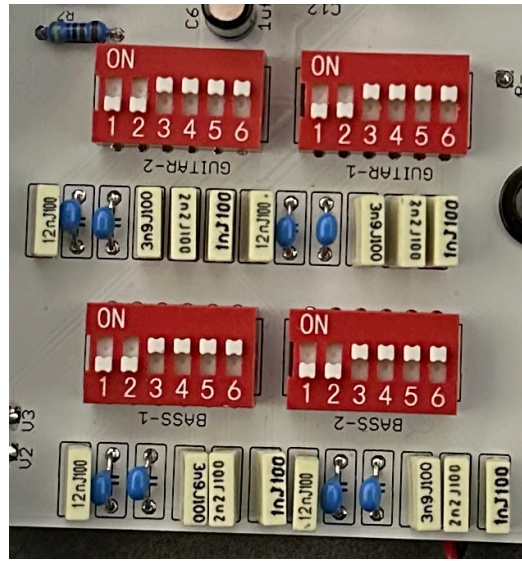




## Ten Spot II V.3

If you have opened up your new TSII you will notice there are 4 separate 6 position frequency switches. This guide will show you the different settings of these and how you can use them to sculpt your bass and guitar tone.



## Frequency Switch Overview

If you reference the picture above you will notice that both guitar DIP switches & bass DIP switches have number 3, 4, 5 & 6 on. This is the stock setting for the WH10V1. You can turn all of the switches off in bass mode and you will have the exact same tone as when in guitar mode. Switches 2 through 6 on both DIP switches are the exact same values on each switch. You can switch off one DIP switch and just use the other or you can try multiple combinations of different switches. The thought behind this design is I really don't find the stock setting of the bass settings all that useful and wanted to offer something that would make the user perhaps love a thicker setting even more than the stock setting on the pedal. Some also desire a slightly thinner or slightly thicker wah setting. The Guitar switches allow you to achieve that. Or you can set the guitar setting to the V1 setting and add just a little bit of capacitance to get a slightly thicker wah tone.

## Values & What Does That Mean?

Each switch banks represents a capacitor in the circuit. The stock value of that capacitor in this circuit happens to be .012 micro farads. Below is a list of the values of each switch. Since each switch is identical I will only list 1 through 6.

- |            |            |
|------------|------------|
| 1. .012uf  | 4. .0039uf |
| 2. .0056uf | 5. .0022uf |
| 3. .0047uf | 6. .001uf  |

When I turn on switch 1 on both switch banks I am inserting two .012uf capacitors into the wah circuit therefor increasing the capacitance and getting a darker sound in the wah sweep or more bass. You can turn one of the banks of switches off in bass mode and leave one on or pick multiple combinations to get it right into that sweet spot for some thicker, throaty and synth like sounds that go really well with fuzz and distortion. You'll notice that once you get to switch number 6 that it is a very small amount you are adding to the circuit. These were included so you can fine tune the sweep to just the right spot. You can also turn on multiple switches on each switch bank to get thousands of combinations all of them may not be useful but hey, they are there. If you turn off one bank of switches on the guitar setting the wah will cease to function correctly.

You may now ask hey Kevin, what are some of your favorite settings? Of course I like the V1 setting on guitar but I also like a slightly thicker sweep when using distortion or fuzz. I like it set anywhere from having both sets of 5's on, as well as both sets of 4 on and both sets of 3's on bass or just adding a slight bit of capacitance by using 1 option from one of the switch banks. Tone really is a personal thing so I encourage you to play around with it and find that riff inducing tone and leave it set there. The V.3 gives you more options than ever before!