NAMM Delay Notes

1. Delay knob seems flipped. Fully clockwise should be longest time delay. LED flash is really really close to accurate, awesome.
   1. Got it! To me this feel backwards but simple enough to try out
      1. FIXED
2. Mix sounds nice https://static.xx.fbcdn.net/images/emoji.php/v5/z4c/1/16/1f642.png
3. Feedback is good. Might be too sensitive, I wonder if we could adjust the curve or limit the range. It starts oscillating about straight up.
   1. This one has me a bit baffled, on my unit I completely dialed out the oscillating. Why yours is oscillating is confusing me!
4. Modulation, sounding nice but a little hard to understand what is going on. Depth seems a little shallow at max. I'm not sure the sine wave is quite right or quite synced, but it's really hard to tell what's going on.
   1. I believe this has to do with the NSL not having a linear response curve. I think once we add a correction curve to the output we will be good to go.
   2. As far as the depth, mine has way more depth that you could ever want. What position are you running the mix knob at? If you have a shallow mix, then the modulation will also be shallow. Remember you are modulating the repeats not the original signal, so with a low mix, there won't me much modulaion to hear
5. Chorus - way better. Seems like when this is on the delay knob is effecting the rate of the modulation. I think we should just disable the delay knob in this mode and let the rate and depth do their thing.
   1. Will disable the delay knob in chorus mode
   2. Depth is locked at max in chorus mode, knob is inactive, can change
6. Tap - hmmm. It's really weird so far. On quarter note setting its really hard to tap in a tempo. I'm not sure what's going on. Sometimes i can get one, sometimes it's like 4x or 8x what I tap in. Sometimes the light goes full solid. Also, I made sure there was no continuity across the footswitches and they still seem to interact - specifically, if you hold down the bypass switch the tap goes dark while its held down.
   1. The LED goes dark because the bypass switch is locking the program in a while loop until the button is released. I am planning to move the blink code over to the interupt subroutine which will fix this issue.
      1. FIXED
   2. Ill see what I can come up with on the debounce side of things. Need a better way to handle it
7. Ok, think I figured something out. If I get rid of the /2 here, the tap seems to be more correct
   1. This one has be baffled as well, on my unit 1 repeat = exactly 1 led flash. If you unit requires you to remove the /2 then I am wondering if you have it calibrated correctly. I would try to leave the /2 in there and play with the trim pot to see if you can sync to it. Otherwise all you modulations and everything else will be off. I believe even your tap will be off then.
   2. Or were you wanting to tap in 1/4 notes and the unit plays 1/8 notes?
8. Subdivision LED flash at the rate of the division, tap led stays at tapped interval
9. Fix Startup conditions to load correctly
10. Main timer does not restart on new tempo
    1. FIXED