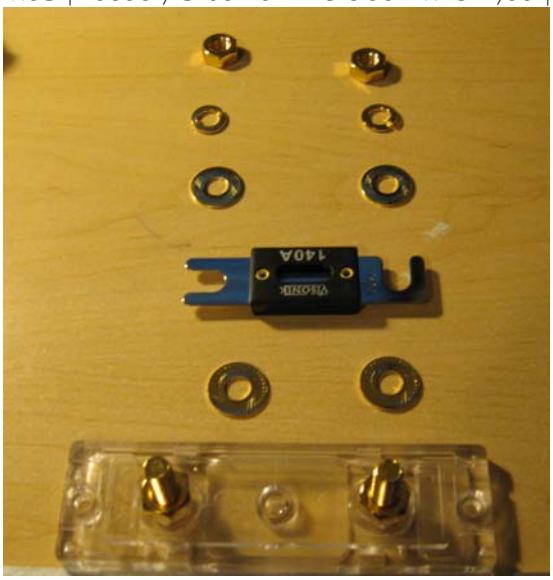
ANL Fuse Block Terminal Assembly

Since so many of you have asked so nicely (really - you have asked nicely! That helps...) I've decided to write a quick batch of illustrated instructions for assembly of the terminals on the ANL fuse block that WiP uses.

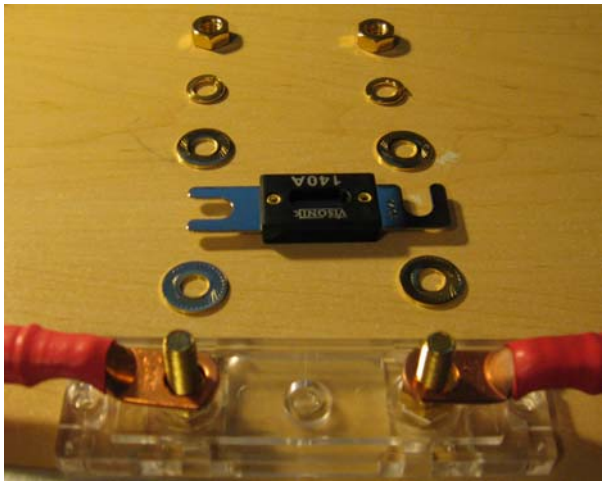
Now, you don't have to actually "assemble" the terminals - what I'm referring to is how to stack everything on the posts to make it all easier to service later. The method I outline below is the "preferred" method for "stacking" everything on the posts. I'm sure there are other ways to do it, but this is the way that I've found best and easiest to work with...

If you're not sure you've got everything, just want to make sure, or this is your very first time, you might want to make sure I've stuck everything in the box (but I've not missed yet, and I don't plan to...) You should see all the parts in the picture below in your ANL fuse kit (I've omitted the mounting hardware for clarity - but that was probably stuck on the block when you pulled it out of the box.)

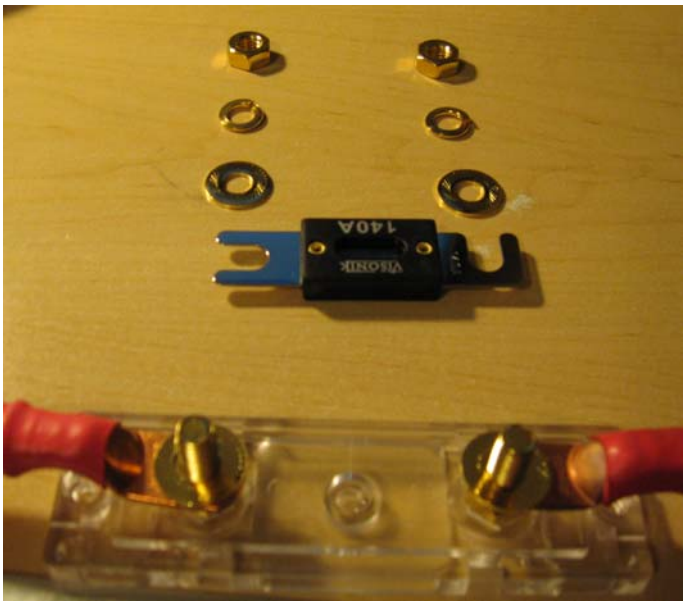


(From bottom to top - the ANL Fuse block base, flat washers, ANL fuse, flat washers, split lock washers, and hex nuts. These are actually stacked, in the picture, in order of assembly. The cabling has been omitted for clarity.)

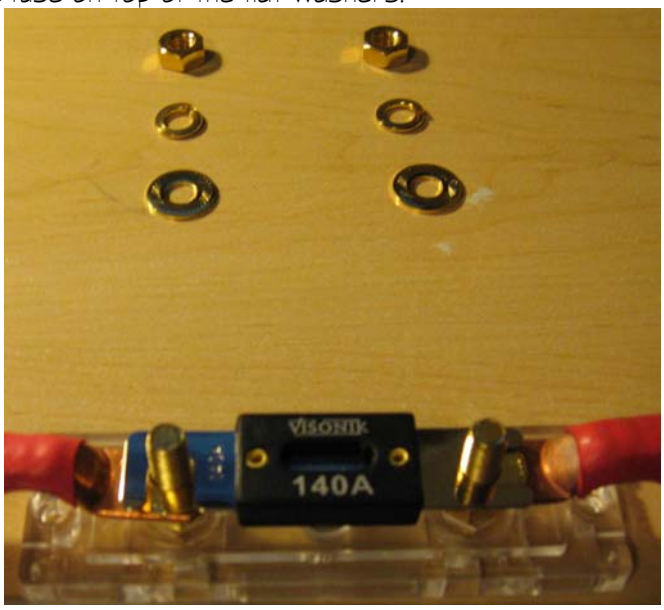
Once you have your fuse block taken down, you'll want to stick the cable lugs on it. You can use the posts on the ANL block for distribution to smaller accessories, if you find it necessary. Stack the extra lugs either on top of or underneath the mains lugs - and the mains lugs will go *under* all the washers - thus:



Once you've got all your cable lugs on, you'll want to put the first flat washer on each post - like this:

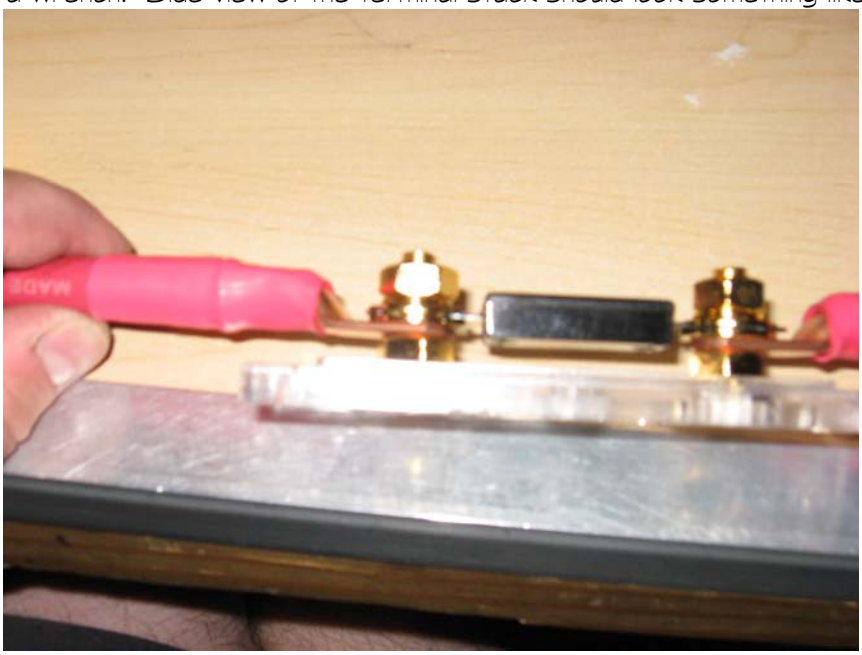


Now, put the ANL fuse on top of the flat washers:



And now, the other pair of flat washers - the purpose of the flat washers, in case you're wondering, is twofold - they increase the contact area for electricity to pass through the terminals, and they also keep turning the nuts from deforming the contacts. The ANL fuse goes between the washers and the lugs under them so you don't have to wrestle with everything if/when you have to change the fuse. If the fuse goes between the washers, you won't hang up on any lugs - they're under the washers.

Then, of course, the lockwashers and then the hex nuts. You don't need to tighten the nuts to any huge degree - I'll usually turn them with fingers until I can't turn them anymore, and then about an extra ¼-turn with a wrench. Side view of the terminal stack should look something like this:



I hope this makes sense now - I've been automatically doing it this way for so long that I had to think about what I was doing when I wrote these instructions and took these pictures, but I really do hope it helps you.