http://members.iracing.com/jforum/posts/list/3450/3293316.page#9389488

Great news, glad you it is up and running, and that you are happy with the setup -well done, and welcome to La Famiglia...,

Hey Guys,
I will cross-post this in both Bruteforce threads, as well as to their respective first pages for easy reference in future.

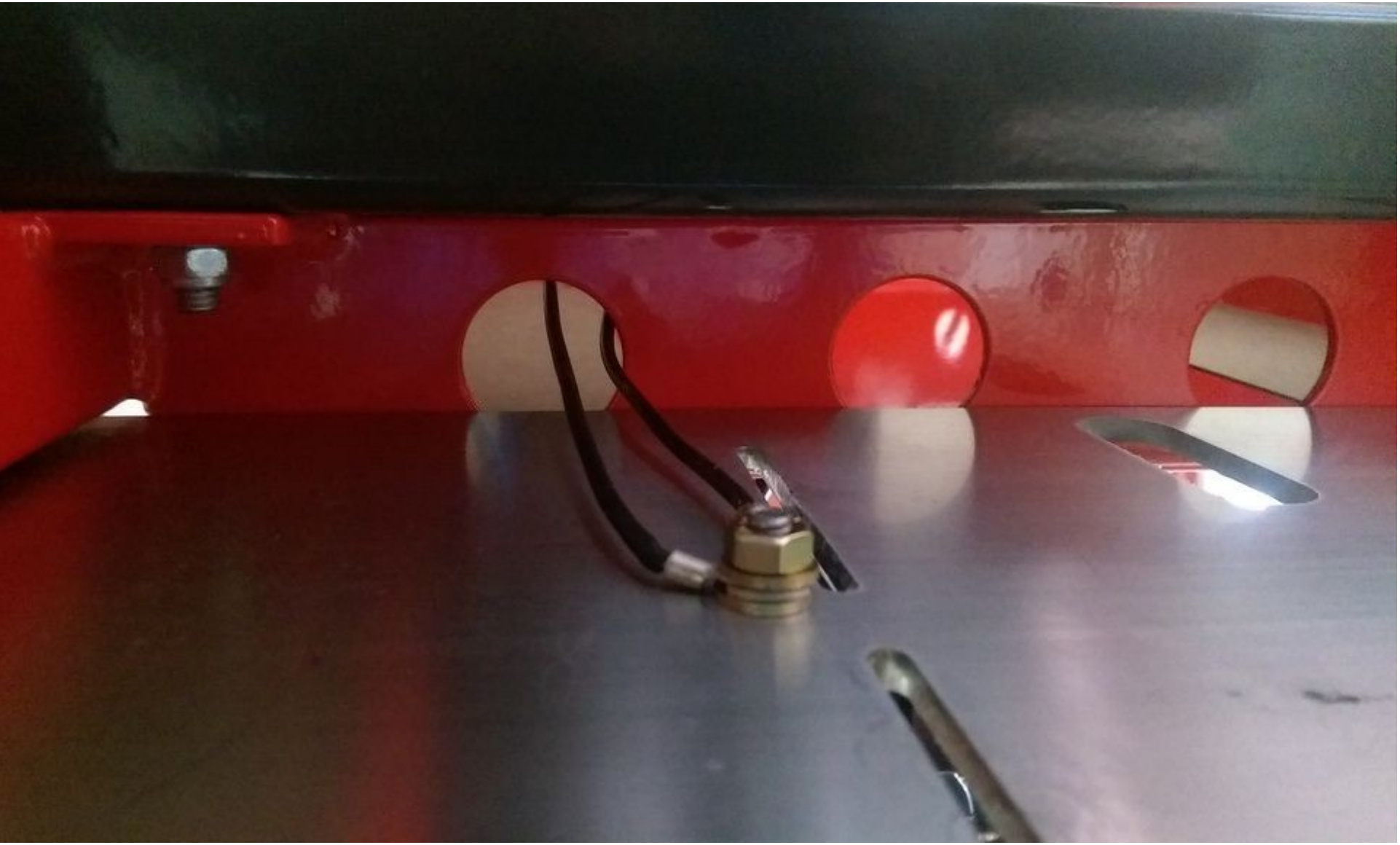
Update - Grounding your system - This will eliminate EMI - 26Nov2015

Hello All,
Below a few pictures of my standard external wiring to remove EMI 100%. I use this on Lenze, MiGE, AKM servos, but this will work well for any DD FFB wheels.....

I mostly use 16ga cable, except for the pedals, where I use 22ga for practical reasons.

Firstly, I ensure I properly ground the motor. I run a cable from the unpainted face of the servo, to my stainless steel wheel mounting tray....you can see the cable from the bolt on the top right to the one on the Ascher mount, front right-hand side....

Next up, note the two cables underneath my mounting tray.....This is of course now connected to the servo ground, as I am using a SS plate....



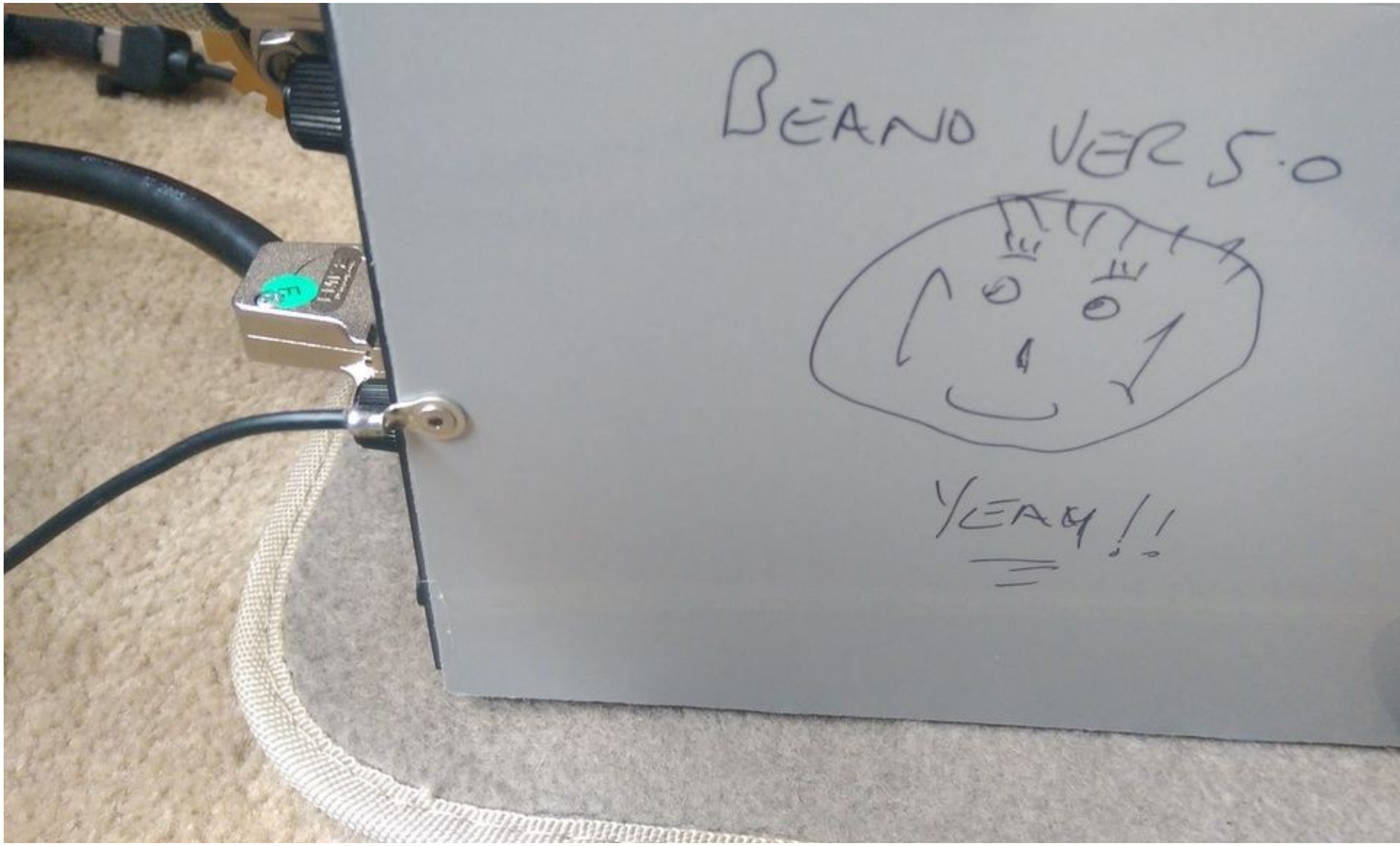
The one goes from the mounting point above, to the back of my computer case - an easy place is normally just to secure the earthing cable down to one of the PSU screws....

Please again nite, in this case, the screw is of bare metal, nickel-coated brass, and makes firm contact to the crew threads in the case.....so no need to scrape paint of the case....


I
O
INPUT: 100-240VAC

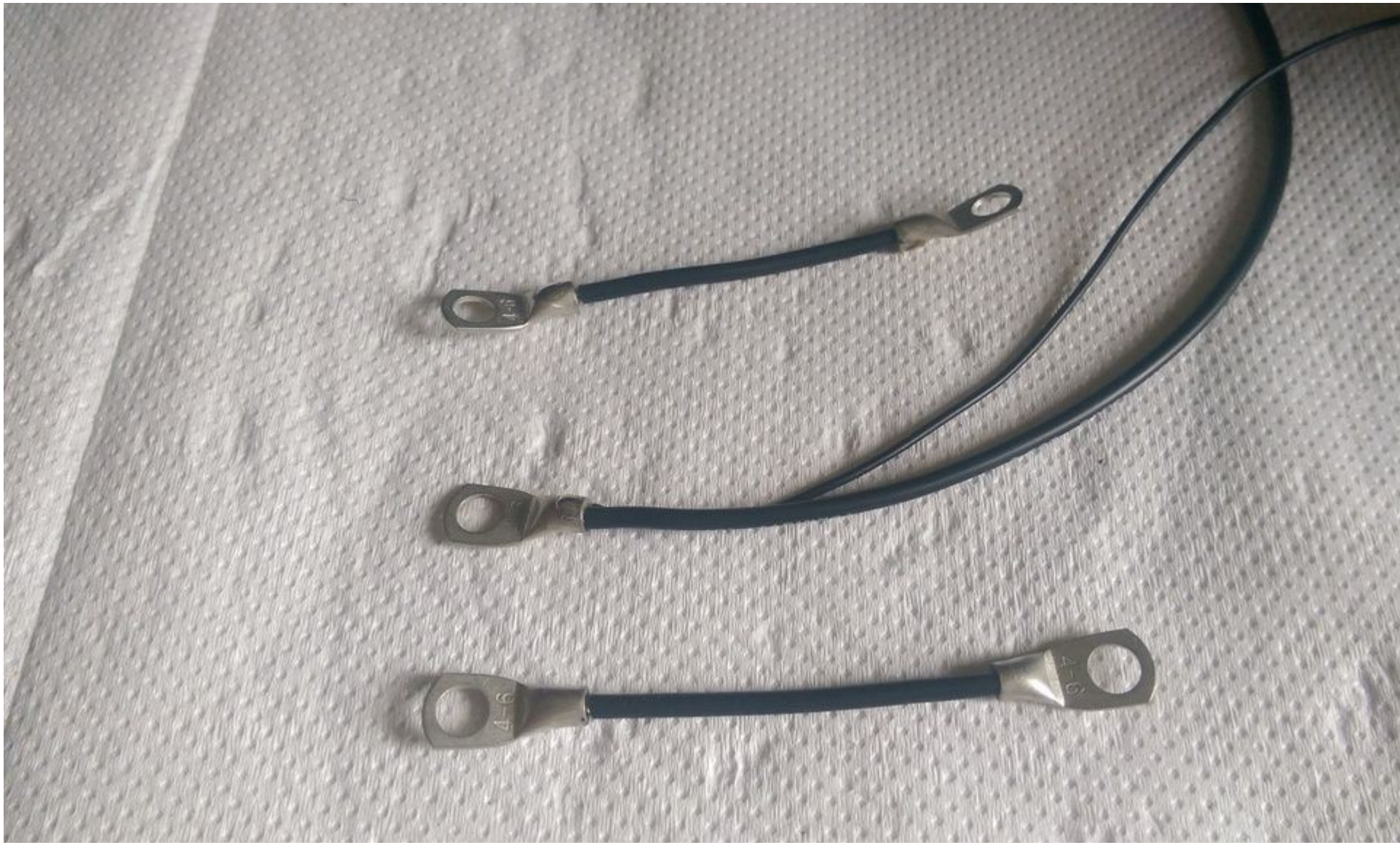
The other cable from underneath the tray, goes to a simple splitter....

Of course, the one end connects to my 'OSW' controller box, and that controller box, as is the case of your computer case, is connected back down to your house grounding soy stem via the standard IEC power cord.....to easy, isn't it.


BEAN0 VER 5.0
YEAH!!

The other end of that connects to underneath my pedal tray, where I have made a couple of earthing straps to link my 3 HE Ultimate pedals together....this was necessary as my pedals are mounted to a 60mm thick piece of pine, and we need to ground them, as well as the electronics.....

The cable mentioned above comes from the splitter to the one in the middle.....joined to the thinner one....


4-6
4-6
4-6

Connected underneath the pedal tray like this....

And note the thinner cable, which then runs to any ground (Gnd) pin on the controller board on my pedals.....


mavin
HEUSINKVELD
ENGINEERING

For the wheel controller, I run a simple Gnd cable from one of the ground pins on the button controller board, here I am using a BBI32, as an example, to a bolt on my QR1 quick release. Again, note you need to make contact with bare metal on the QR.....I use a simple spring washer underneath the lug, this will cut through the anodizing, but in any even, use a multimeter and test for continuity from your Gnd pin to the servo once the wheel is mounted to the servo.....

Please note, if you are using an all metal frame, like 8020, you will require less Gnd wires. But my method works well, is pretty quick and easy and guarantees a working system.

Cheers,
Beano