Mac Pro Micro ATX kit

Kit Contents:

1.Backplate x 1;
2. IO shield x 1 (with 4 x 10mm screws to secure PCI-e cards);
3.mATX Perspex 5mm tray with threaded inserts x 1; bridge piece for tray and slotted bar; fixings for tray.
4.Backplate screw kit: 16 x M3 10mm socket screws; 12 x M3 Nyloc nuts; 12 x M3 washers;

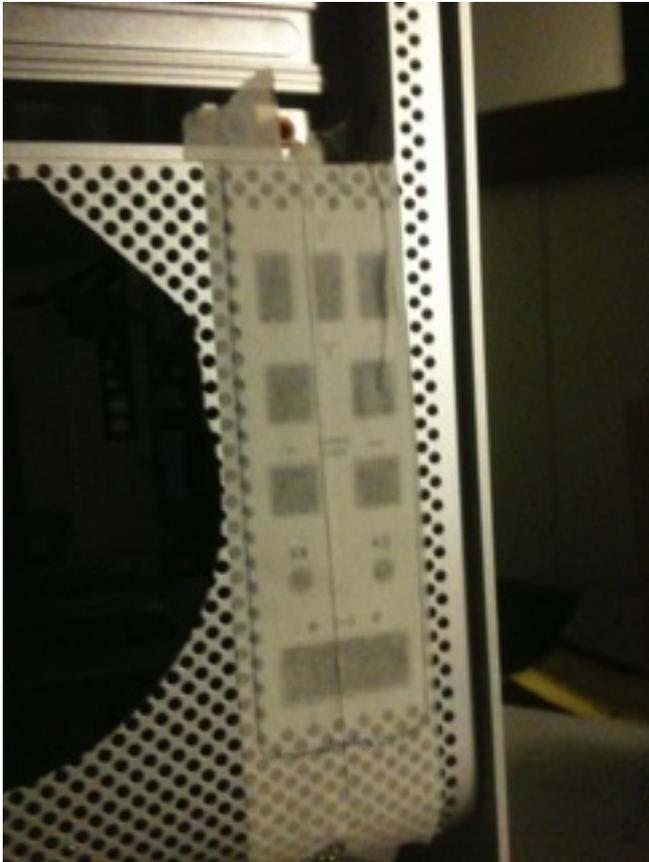**Fitting Instructions for backplate.**

First, here is a look at the finished rear, so you can see what you are aiming for:

When cutting the back of the Mac Pro it is important not to cut too much, because the backplate fixes to the original Mac Pro backplate and depends on it for strength.

Start by masking the area where you will be cutting and using a rotary tool (e.g. Dremel) cut out the original IO section.

You need to remove the PCI slots and this is

probably one of the hardest parts - start by
cutting around the slots like this you MUST keep one row of holes as marked by the green box:

Then you can bend the slots back like this:

And rock the part back and forwards until the PCI slots come out.

I recommend you then remove the bottom part of the PCI slots shown in red below, this needs to be done from inside the case.
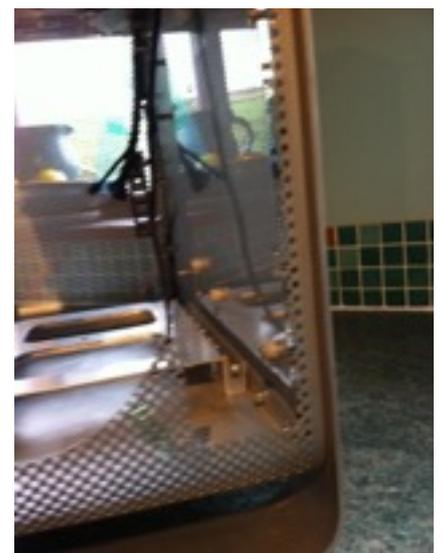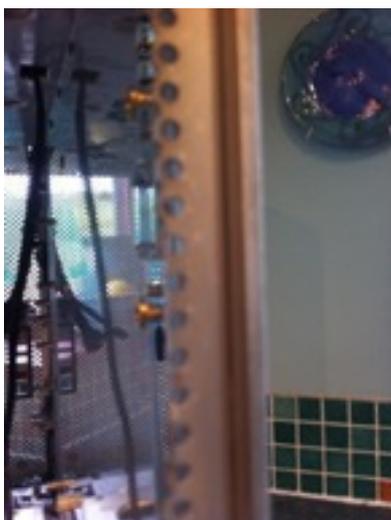
There are a couple of rivets you will need to cut with the Dremel and when you have done that it should look like this:

Carefully check around where the PCI slots were and remove any traces of them - remaining parts where the slots were welded in place can be removed using a small screw driver from inside the case.

Once the slots have been removed then put the backplate in position to check where else you will need to cut away material.

Here are some key points. On the long edge next to IO keep 1 row of holes; Keep at least one row of holes under the handle and 10 rows to the right of the handle, keep 2 rows of holes above the curved portion of the case bottom.

It should look similar to this:

Remember don't cut too much. If you cut too little you can always come back later and cut

more......

Cutting the fan grill.

The original fan grill is a very tight fit for the backplate and you will need to modify it as shown below.
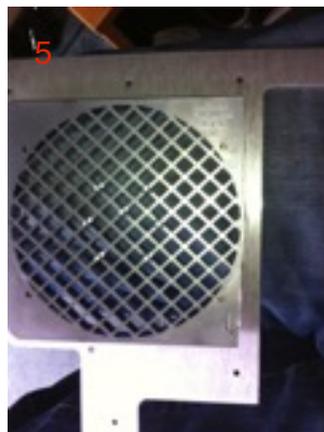
This is the start:

This is the end
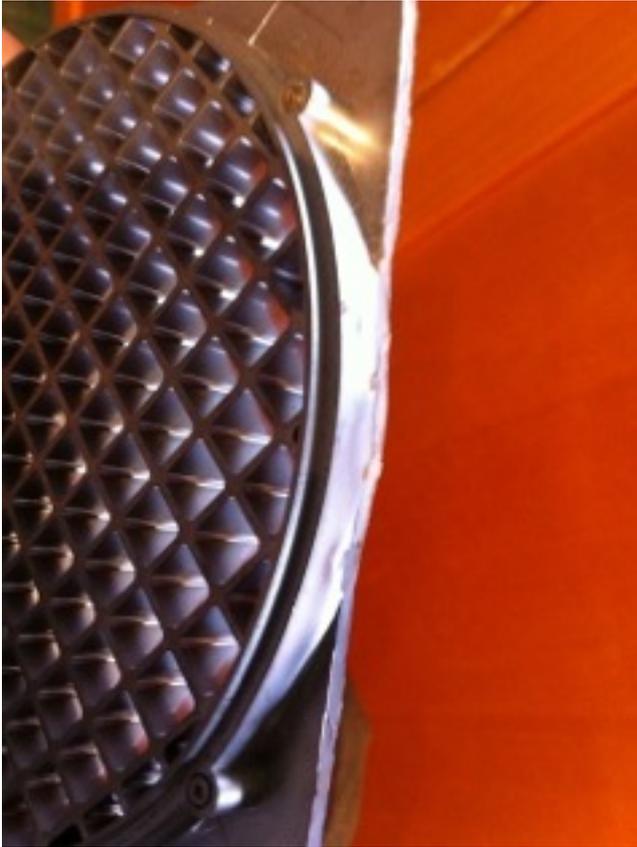

These are the steps:

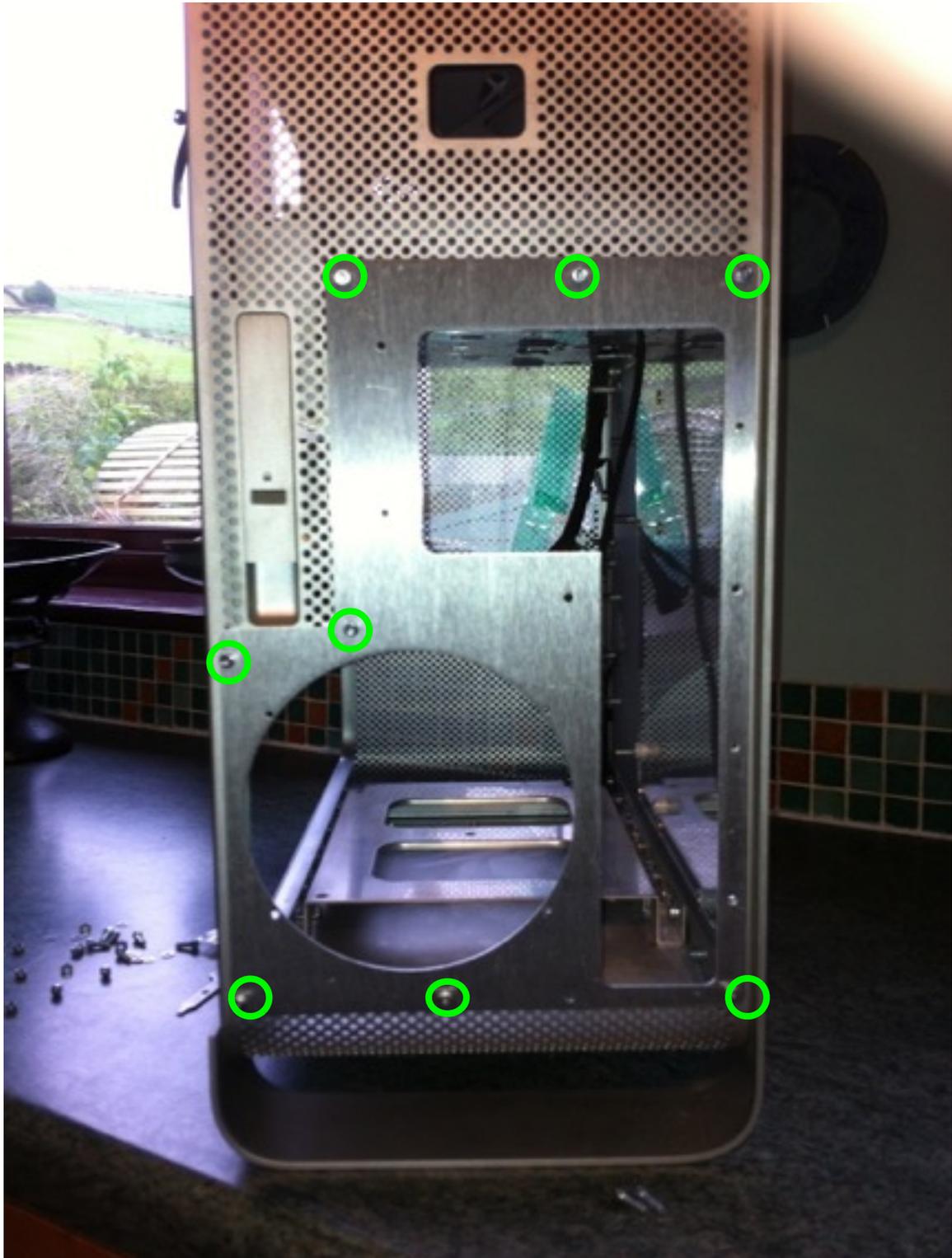So this is the edge that will be   against the top of the IO cut-

out:

And this is the edge that will be against the edge of the case:

Fitting the backplate:

Put the backplate onto the back of the Mac Pro as shown and attach using the 8 screws circled in green using washers and nuts to hold it firmly in position from inside the case.
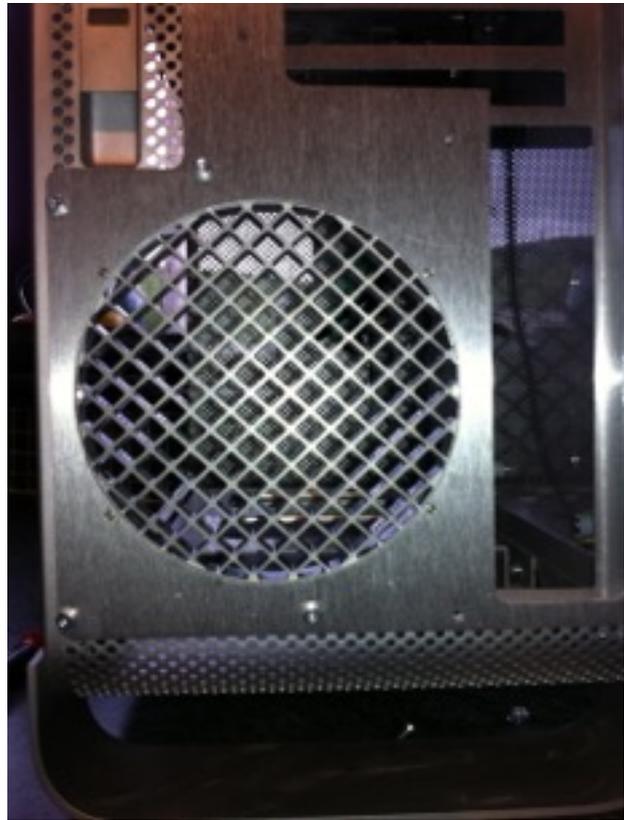
Now take the IO shield

and insert it into the case - fix it initially along the bottom edge using 4 of the screws (you do not need nuts as the IO shield is already tapped with screw threads so just screw them in gently and DO NOT over tighten).

It is not necessary, but I recommend you now fit the fan grill in place as it is a close fit to the top of the IO shield. So place the grill in position from inside the case and then fix from the outside using the original fan grill screws.
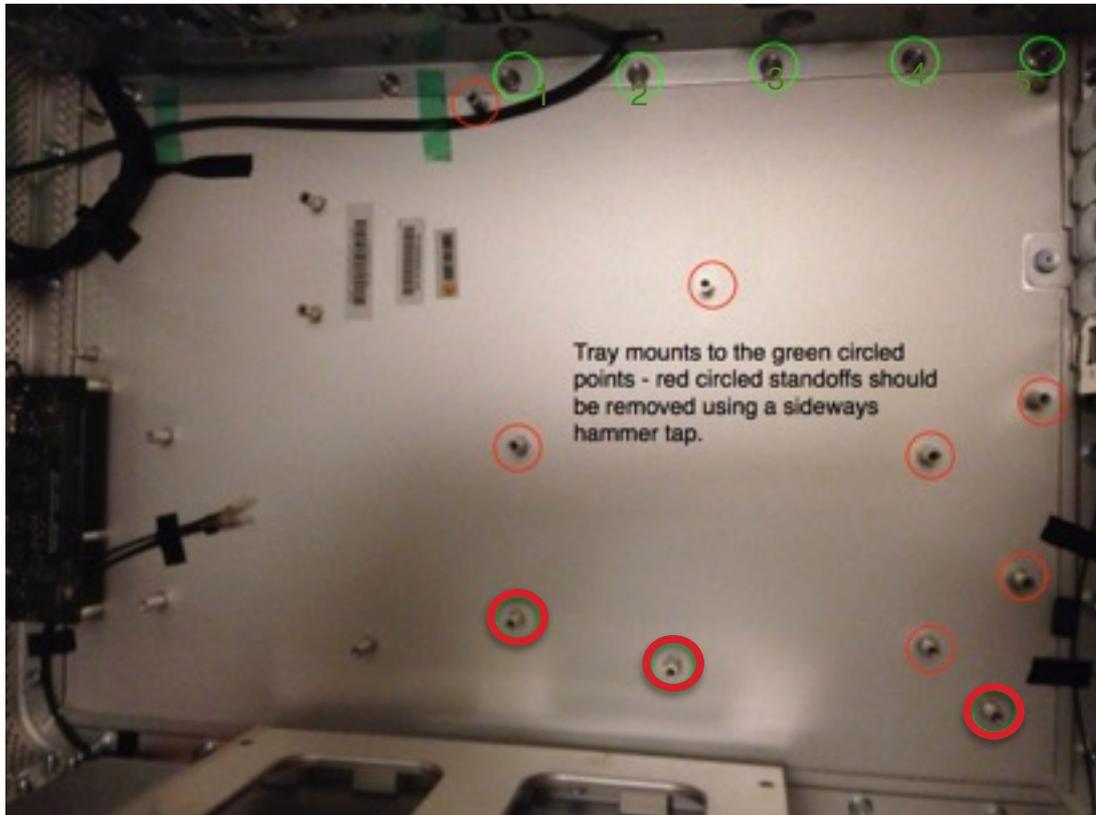

Now fit the rest of the screws, nuts and washers that hold the IO shield in place.

Fitting the Motherboard Tray:

The interior of the Mac Pro is shown below with the points marked in green showing where the motherboard tray will attach at the top. The standoffs that are circled in red need to be removed.
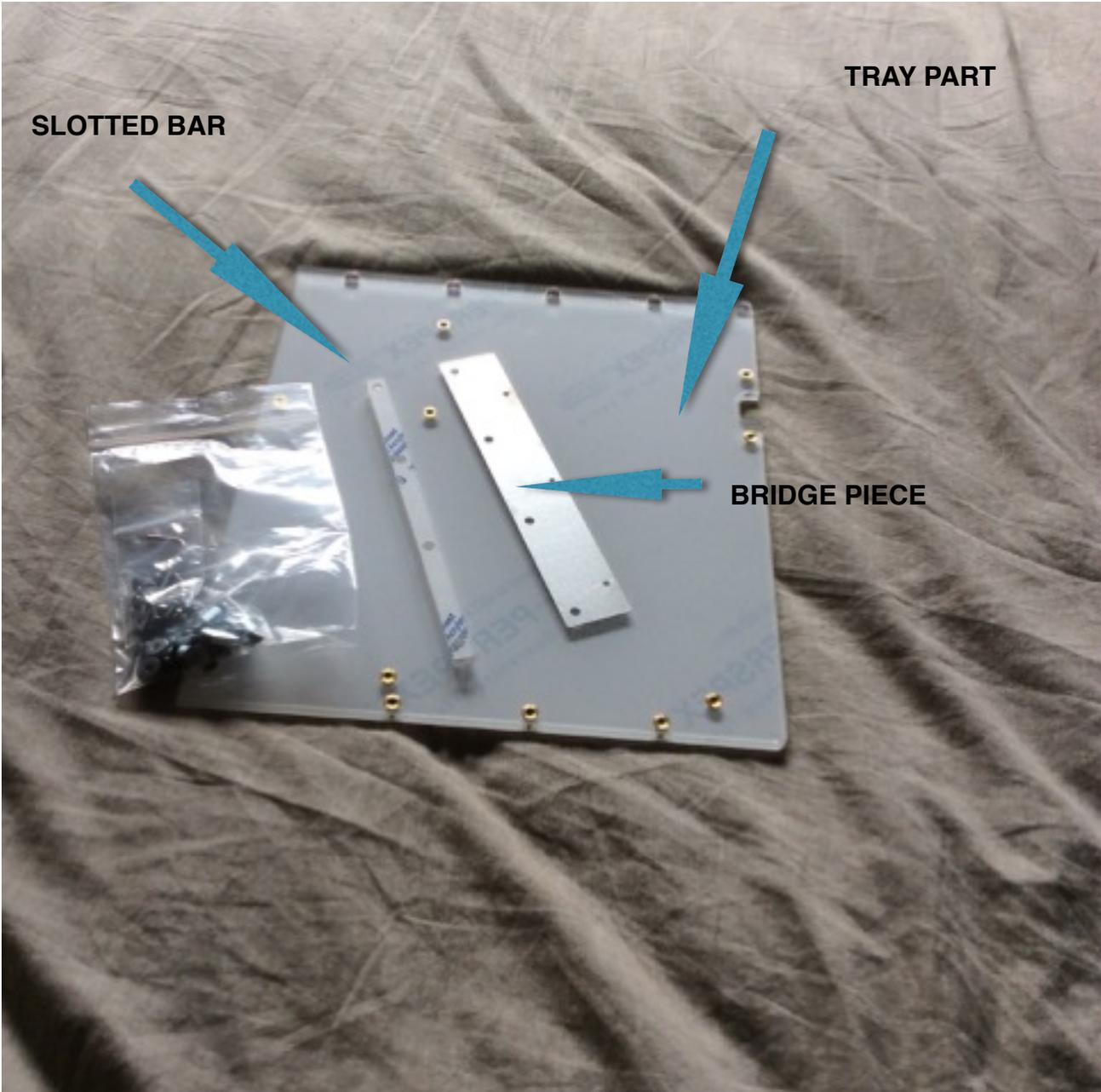You can do this by tapping them lightly with a hammer.

Tray mounts to the green circled points - red circled standoffs should be removed using a sideways hammer tap.
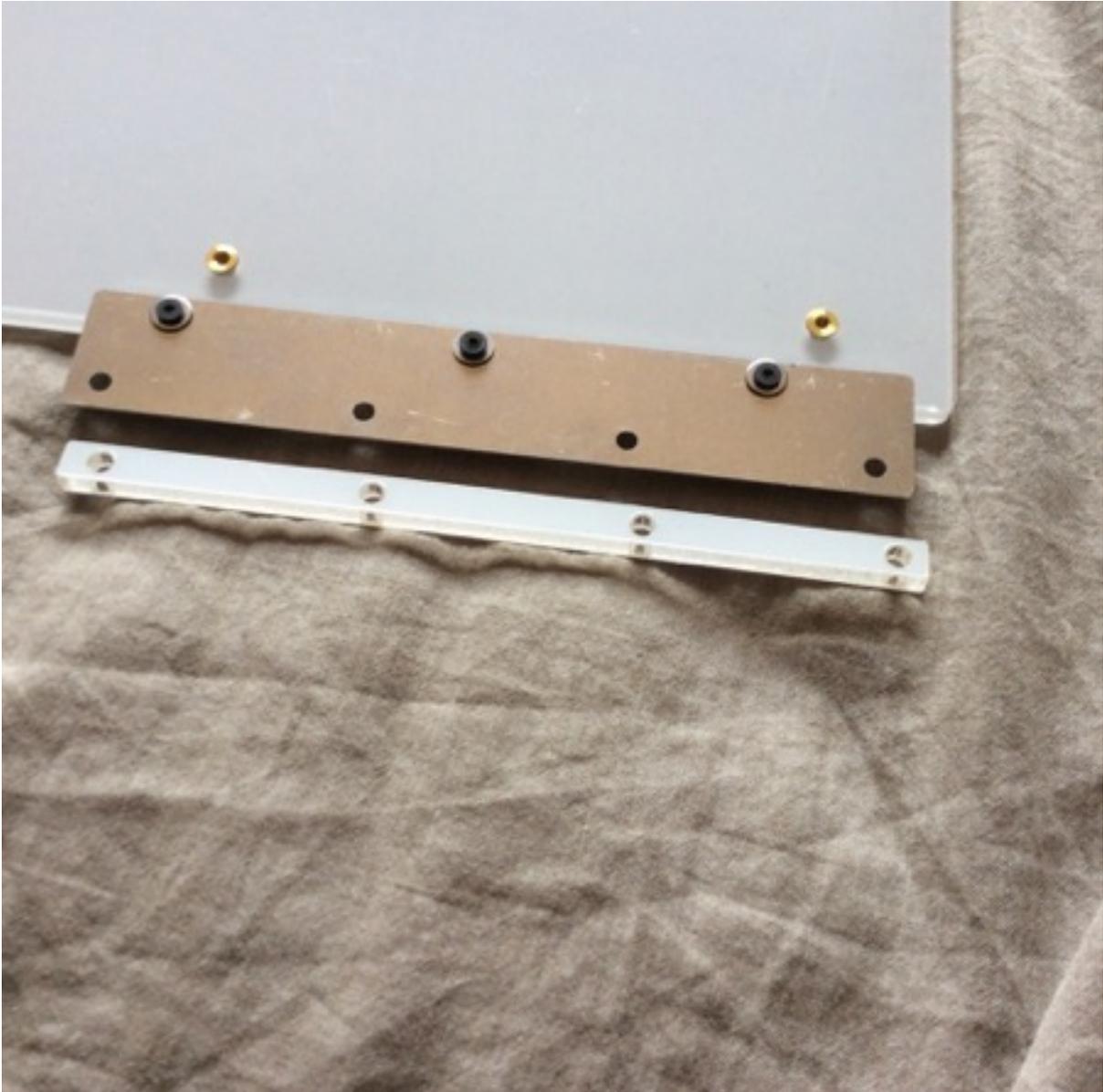
Your pro interior may look different to this but basically remove the standoffs below the shelf screw mounts shown.

Now remove the 5 shelf nuts (green circles) to expose the shelf mounting positions.

Your tray has three parts as shown below:

The picture below gives you an idea of the tray parts and how they will orient to each other in the case:

FITTING THE TRAY

1. Underneath the bottom of the tray now you will see a ridge (where the two case parts join) , and below that you will see some nuts securing the case together. REMOVE the 4 rearmost lower case screw nuts and put the "slotted bar" over them.
2. Place the tray into the case so the top five slots are over the 5 exposed shelf mounting positions.
3. Now take the "bridge piece" and align it so that the lower line of 4 holes (e.g. see photo on previous page) aligns with the slotted bar openings and the line of 3 holes aligns with the 3 lower mounting of the tray.
4. In the screw pack for the tray there are 8 screws of one length, 4 longer screws and 12 washers. Use the 4 longer screws and 4 washers to screw the "bridge piece" to the case (with the "slotted bar" sandwiched between them), then use 3 of the shorter screws and washers to screw the "bridge piece" to the tray.
5. At the top of the tray use 5 remaining shorter screws and washers to screw the tray to the shelf mountings.

The tray is now fixed in place and ready to have the standoffs screwed into it.

The picture below gives you a visual idea of how it all fits together inside the case.

You are now all set to fit your motherboard!

Insert the IO shield piece for your mobo and then fit the motherboard to the tray using the M3 screws provided.

Contact

Congratulations, the kit is all fitted.

This kit was developed at the Laser Hive and is exclusively available from the Laser Hive. We pride ourselves on answering any questions and solving problems, so PLEASE if anything goes wrong or you have any problems at all then contact Dave Chugg by emailing info@thelaserhive.com

We stand by our products and will always advise, replace or refund in the case of any difficulty. So as your first priority please give us the chance to solve your problems. We guarantee to react positively and quickly.

Many thanks for your custom and have fun with your modding.