



# WINTER PROJECTS 2021



Featured Member:

***Rick Young***

*Flight Instructor*

*Builder & Pilot*

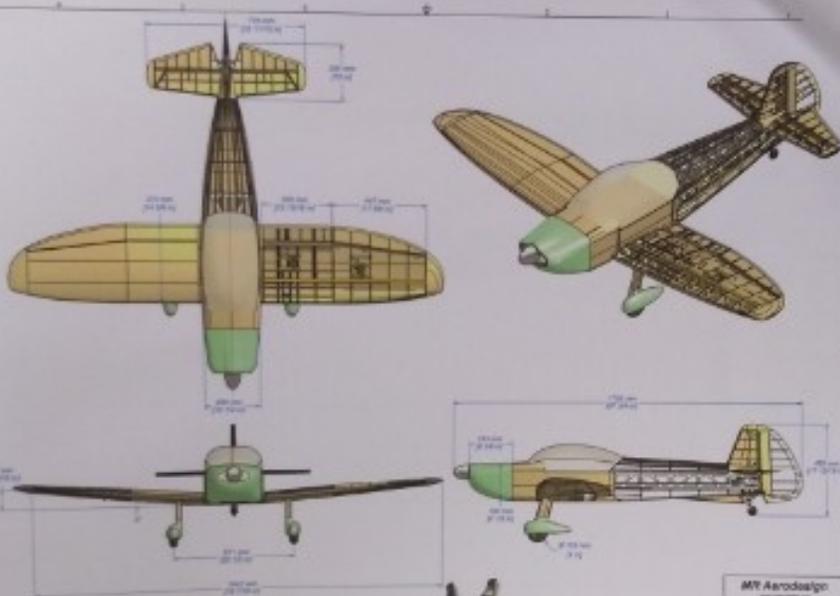


# Mudry Cap 10b

Building manual  
Manuel de montage



**MR Aerodesign**  
Martin Rousseau



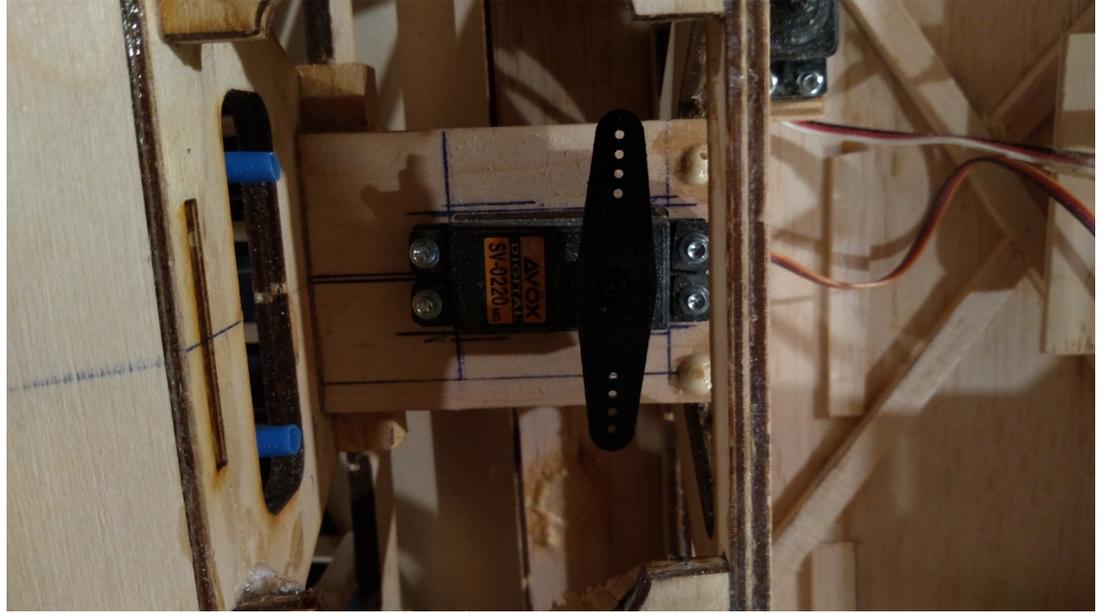
**MR Aerodesign**  
Martin Rousseau

MR Aerodesign	
Cap 10b (807)	
Overall view	
Scale	1:100
Date	2012.01.01
Version	0

At this stage of the building process, it is time to “tweak” various sections and parts to get them ready for the final mounting.

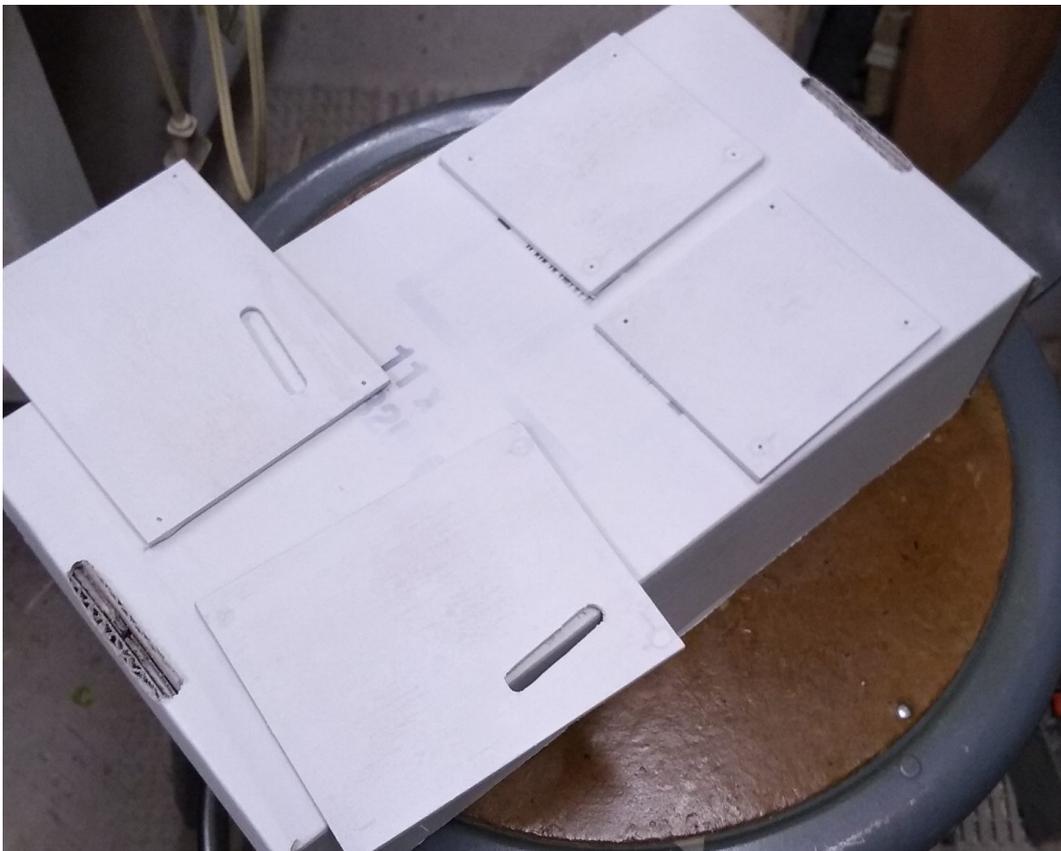
The first couple of pics show the addition of some paint to better show certain parts of the build. This also adds protection to the wood where necessary. The third pic shows the cockpit gauges, just to add a little flair to the model. Pics 4 & 5 is where some of the electronics are being fitted. Pics 6 & 7 show the nose piece after prepping and painting and now waiting to be bolted on. Picture # 8 is the canopy high lighted and ready to cover the guys flying this plane.





Here we see the final few steps involving the wheel pants and wheels in the construction. Having worked the raw fibreglass pieces through the spot putty, mounting the axles, sanding them out, making the extensions, fitting the wheels and finally primer and paint, the wheel assembly is now ready to fasten onto the plane.





All hatch cover plates and the rolly thing on the tail end of the plane have now been finished and set aside to mount on the fuselage in the last stages of the build.



# *THE MOTOR*



As previously mentioned , the motor will be a Quadra 52 e style unit.

The engine has been modified to include the electronic ignition. The carb and fuel lines have been fitted as well as the muffler. In time this will be mounted on the plane.

So the model is now pretty much built and all the components have been installed or at least we know where to put them when the time comes. The final sanding has been completed and the pieces fit the way I need them to. Remember the better the job you do here prepping things up, the better your final finish will be. Always be careful not to remove too much wood during the sanding and end up weakening the structure. I use 120 to 180 sandpaper, and use sanding blocks not just my hands when sanding. Sanding with your hands will leave high and low spots, then you might need to fill in the low areas with spackling. Neither covering nor paint will hide the bad spots.

I try to make my planes look nice at about 5 to 10 feet away.. I am a sport flyer not a competition class builder or flyer. The better the finish the more work you need to do. If you're like me, your planes will suffer hanger rash, wear and tear, etc., so spending weeks making a perfect finish is just not worth it.

It's now time to do some covering. I looked into my stock to see what I have and learned that I don't have enough of any thing to cover the entire plane. So, I will use what I have, like the Century 21, to cover the fuselage, vertical fin and stabilizer and save the white for unpainted parts. Anything I was going to paint, I used leftover blue and red material. I had enough white Solertex to cover the flaps, ailerons and rudder. To do the elevator and the wing, I had some Koverall from Sig. To match all the different materials I will need to fill some of the fabric weave to match it up. Koverall is a fabric that has no adhesive on it like Century 21 or Solertex, so you have to use Sig STIX-IT adhesive. Personally I use Sig STIX-IT on all my covering jobs. There are advantages in doing this as it seals the wood and stops fuel seepage. I also find that the covering will stick better to the plane. This helps the plane stand up better in the sun, stopping wrinkles and bubbles. Old planes seem to look better when they are not too wrinkly like some of us. I like fabric over Monocote, just my preference. When I work with Koverall, I spray the material with any cheap hair spray and let it dry. Then I cut out the piece. This will stop the fabric from stringing. I then apply Stix-it and let it dry for a few minutes before I iron it down. It works for me.

For the areas that I am going to paint, I will use Tremclad and Rostoleum paint. Remember to carefully sand and fill all parts properly. Then all must be primed before painting. The trimming will be done later.

When all is covered and painted and ready to fly I will take some final pictures to conclude this year's winter build.

Hope you enjoyed.

Rick.