

## Some Build Notes and Pictures for the Hacker nMM Kit - Elmer Boon

This is a nice, brief, and extremely useful article, and the pictures will interest everybody!

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Hello Friends,

Here are some photos of the nMM that I built as if it were a Hacker nMM Kit from the final MMI approved prototype hull, deck, keel case, gooseneck and canopy. The rest of the parts are home made.

You can see a good solution for the leaking canopy: I fixed 1.5 mm closed cell soft rubber with an extra 1 mm of this material in the front part of the gutter because the forward gutter is deeper. I also fixed a 1.5 x 5 mm of this material in the edge of the canopy. This way only a minimum of water can ingress in the gutter. I used stiffer toggles for the canopy to close and screwed them closer to the edge of the gutter.

I thought it was better to add 2 deck reinforcements. One in front of the canopy made in the shape of a wishbone made of 1.5 mm carbon staff and one behind the canopy connecting the bottom of the cockpit with the deck near the hull made of 2 pieces of credit card. Both very light, but improve the structure.

I raced the nMM twice over two days in 2 to 3 Bf (5-10 knots) against my 3 training partners and we concluded it is equal with their Graupner 2014s [the standard mark 2 or racing MM used almost everywhere]. I used my Graupner keel and rudder to be accurate in my assessment of the hull alone. Soon I will repeat the test with the keel and rudder from the Hacker nMM kit.

With 2 light servos I had to add 57 grams of ballast, lying alongside the back part of the keel case at the hull bottom.

I am very pleased with her good looks and building was quite easy, because all parts fit better than we are used to.

About the ARTR as seen behind the nMM in the pictures, I feel very sorry that it is not yet what we were hoping for, but it is for sure far better performing than her ARTR Graupner sister!

The latest news is visible on the Hacker website: separate parts are available now.

I hope I inspired you now to get going in these Corona times to build yourself a new MM! It is really much more simple than we were used to with Graupner.

Elmer Boon





