



# Mercury Bay Student Aviation Trust

## RV12 Project Log



Date	Hours	No. of students	Job reference
19 <sup>th</sup> August 2020	12:30-17:00	3	Reassembly after painting.



### Assembling ZK-MBB after Painting

Today the list of jobs is full of small tasks. However there are plenty of them. First up Cara, Kal and Tony were fitting the propeller. This involves setting the pitch with a special tool, then carefully and methodically tightening the bolts with a torque wrench. This process takes time to get it perfect, once this was achieved Kal went about finding the components to re-fit the spinner to the front of the aircraft.

The wings were removed and trimmed again, so that they fit perfectly with the fuselage. Floyd and Kal then set about fitting the tapered foam sealant to the fuselage, so that when the wings are slid in place there is an air tight seal to the fuselage.

Cara has been battling away to fit the nose landing gear leg fairing. It is a tricky spot to get the rod, which locks the hinge together, in place. With patience and perseverance the job was soon completed.

Kal was tasked with giving the cockpit area another vacuum. We are doing our best to keep everything as clean and tidy as possible as we move closer to completion. Floyd then secured the radio antenna to ensure there is no rubbing on the rear canopy plexi glass. In order to finalise the cockpit wiring, all cables are followed and checked that they run through the correct pathways before finally securing them with cable ties. It now looks very tidy and very professional – a big difference to when we were first started running the wiring loom!

Cara and Bob were cutting holes in the rear wheel fairings. They will be covered up with rubber plugs to complete the tidy look. This is to gain easy access to put air in the tyres as needed.





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