

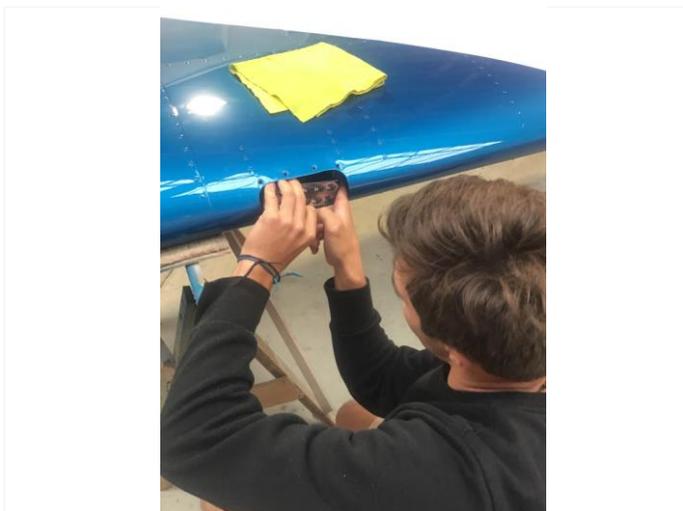
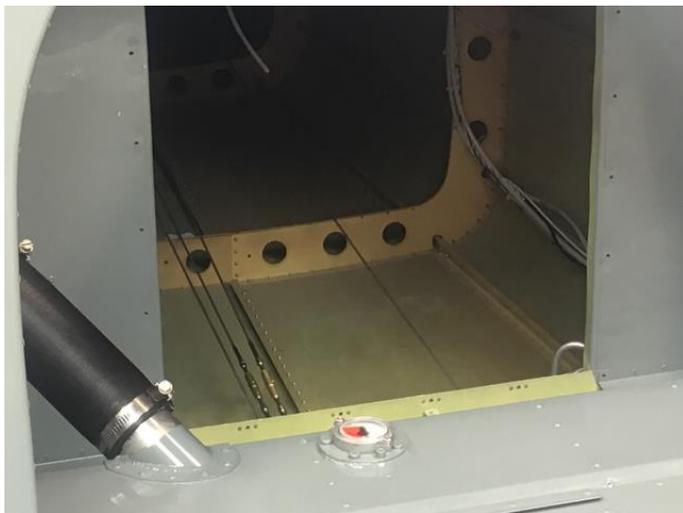


# Mercury Bay Student Aviation Trust

## RV12 Project Log



Date	Hours	No. of students	Job reference
02.09.2020	12:30-17:00	7	Visitors, Cabling, Servos and Preparation for 1 <sup>st</sup> engine Start



### Royal Aviation Society

Today, we were lucky to be visited by the Royal Aviation Society. It was great to see their interest of the plane and for them to recognise the hard work we have done here.

### Cable Tension

Cara and Izzy had the job of checking the tension on the control stick cables. These cables connect the control sticks to the elevator, and this proved to be a challenge because Cara was working in a tight space and it took some time to figure out the right amount of tension that was needed.

### Wiring Work and Testing Systems

Ben is working on the plug of the wiring on the servo tab. As this was not working at first, Ben and Steve came up with the solution to fully replace the plug instead, as this was much easier than unplugging and reconnecting pin by pin. At the end of the day the trim tab was fully functional and calibrated on the avionics. Kal has had the tedious job of checking the fuel lines which have caused a leak. Along with this, Izzy also installed the programme and datafiles that are needed into the Dynon unit, such as autopilot and GPS data.

### Landing Lights, Grip Tape and Seatbelts

Corbin was tasked to sticking the grip onto the wings, so the pilots know where it is safe to stand to enter the plane without it being slippery as well. Emanuel has been taking out the landing light as the strobe was not working properly. He has been re-wiring to ensure the strobe runs smoothly. The seatbelts were also installed at the end of today's build and has made the plane look more complete.

**Last preparations were done today in order to start next week's build with the lovely noise of a turning propeller 🌀!**





# Mercury Bay Student Aviation Trust RV12 Project Log

