

Category: 5.3. Systems

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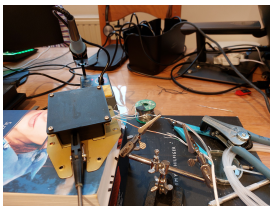
A long day with lots of trial and error. Wiring the Ray Allen trim motor is NOT fun.

I thought this would be a non event as I found the technique based on crimping dsub pins on and connection them, then putting heatshrink wrap over them and be done.

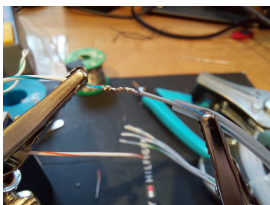
Well.. reality turned out a little different. The wires attached to the trim motor or soo small that the crimping to a dsub pin did not work. The pin came of after a light pull test.

So I decided to solder the wires. I may revise this at a later stage but can't think of a better way right now. I don't want to experiment too much now as the wires are also very short and the more you try, the shorter the wire becomes.

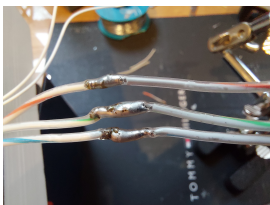
Used my 3rd hand stand to bring the wires together and apply soldering on the join.



Mechanically twisted the wires together.



Apply solder and then put transparent heat shrink tube over it as stress protection.



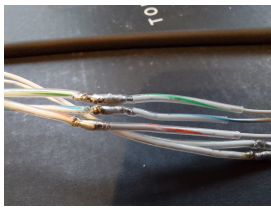
To avoid having all soldering at the same place, I displaced the trim motor wires position from the pos sensor wires.

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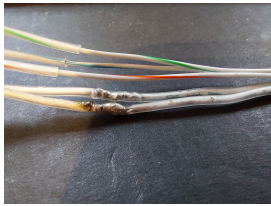
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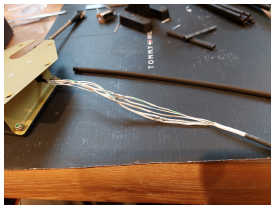
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these are the trim motor wires.



After all individual wires were heat shrunk, I covered the hole with a larger piece of black shrink wrap.



This is how it looks like when finished



I also pulled the trim wire from the cockpit panel to the rear side underneath the stabilo.

And drilled and installed a support plate that will hold a DSub connector.