

Setting_up_the_swash.txt

Assumption is that the heli pilot is already familiar with using the Vstabi application software and has already used the setup wizard on

the heli in question.

Below the Swash

- Vbar etc power off
- Main blades removed
- Disconnect the head control rods from the swash
- Below the swash, set all related rods to the same length (e.g. the three rods connecting to the swash)
- The objective is a level swash when all servo arms and control arms are mechanically at 0 or 90 degrees

Above the Swash

- Attach a home made or commercially available plate across the top of the blade grips
- Objective is zero pitch for both blade grips
- Launch the Vstabi application software and attach the USB cable
- Supply power to the Vbar (blades must be removed if using flight battery)
- Use the Vstabi Setup's Trim wizard to trim the swash control servos for an approximately level swash
- Adjust the length of one of the two swash to head control rods so the link lines up with it's ball at the swash
- Without actually connecting the link, use this rod and it's link as a reference to adjust all three corners of the swash using the

Vstabi application's Trim wizard

- You should now be able to rotate the head 360 degrees and have the reference link (hanging down from the head) perfectly line up with

it's ball on the swash (not yet snapped on)

- Adjust the length of the opposite rod hanging down from the head
- You should be able to rotate the head 360 degrees and have it remain lined up with it's ball
- It is important that the link at the swash have it's letter 'A' facing out, so remove and spin the entire rod assembly 180 degrees if

necessary

- Remove the plate from across the top of the blade grips
- Snap the two head control rods onto the swash

The job is done and the heli can be made ready to test and fly

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