



Dear Windy,

I've searched high and low for the up and down, fore and aft tolerances on the Huey synchronized elevator.

I'm running out of pubs to look into.

What are the wear limits, Windy?

SP5 S. E. E.

Dear Specialist S. E. E.,

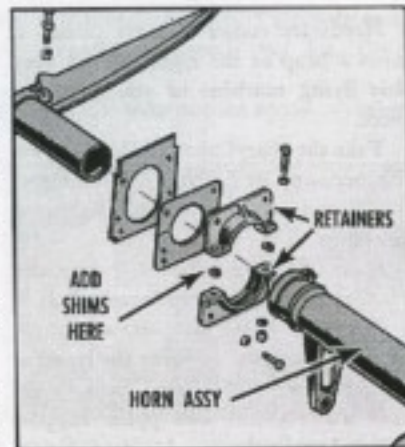
Rest your eyeballs over a brew.

The UH-1 elevator horn and spar tolerances are controlled at time of manufacture. There're no tolerances for the field. If the spar is loose check for damaged parts that would have to be replaced.

You may have a slight droop in the right-hand elevator, tho. If it's less than 1 degree, plus or minus 1/2, it's OK.

'Course you do want the proper elevator drag. To get it, attach a spring scale to the arm of the horn.

Pull the spring scale, moving the elevator from aft location to forward lock. The scale reading while pulling the elevator should range from 7-1/2 to 10-3/4 pounds. Adjust the shims to get it.



Then add more shims between the retainers, increasing the diameter of each support by 0.0015 to 0.0030 inch, to get a slight even drag on rotation of the horn without any chatter or binding.

Windy